

The IUCN Species Survival Commission

# 1997 IUCN Red List of Threatened Plants

Edited by Kerry S. Walter and Harriet J. Gillett

Compiled by the  
World Conservation Monitoring Centre



Digitized by the Internet Archive  
in 2010 with funding from  
UNEP-WCMC, Cambridge

<http://www.archive.org/details/1997iucnredlisto97walt>

14507

The IUCN Species Survival Commission

# 1997 IUCN Red List of Threatened Plants

Edited by  
Kerry S. Walter (Royal Botanic Garden Edinburgh) and  
Harriet J. Gillett (World Conservation Monitoring Centre)





The IUCN Species Survival Commission

# 1997 IUCN Red List of Threatened Plants

**Edited by**

Kerry S. Walter (Royal Botanic Garden Edinburgh) and  
Harriet J. Gillett (World Conservation Monitoring Centre)

**Compiled by**

The World Conservation Monitoring Centre

**In association with**

Association for Biodiversity Information  
National Botanical Institute  
Royal Botanic Garden Edinburgh  
Royal Botanic Gardens, Kew  
Smithsonian Institution  
The Nature Conservancy  
The New York Botanical Garden  
Wildlife Australia

**Foreword by**

Brian Huntley

The designation of geographical entities in this book, and the presentation of the material, do not imply the expression of any opinion whatsoever on the part of IUCN or other participating organizations concerning the legal status of any country, territory, or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The views expressed in this publication do not necessarily reflect those of IUCN or other participating organizations.

Published by: IUCN, Gland, Switzerland and Cambridge, UK



Copyright: © 1998 International Union for Conservation of Nature and Natural Resources

Reproduction of this publication for educational and other non-commercial purposes is authorised without prior written permission from the copyright holder provided the source is fully acknowledged.

Reproduction of this publication for resale or other commercial purposes is prohibited without prior written permission of the copyright holder.

Citation: Walter, K.S. and Gillett, H.J. [eds] (1998). *1997 IUCN Red List of Threatened Plants*. Compiled by the World Conservation Monitoring Centre. IUCN – The World Conservation Union, Gland, Switzerland and Cambridge, UK. Ixiv + 862pp.

ISBN: 2-8317-0328-X

Cover photo: *Elaeocarpus bojeri*, a critically endangered tree endemic to the island of Mauritius: Wendy Strahm.

Produced by: IUCN Publications Services Unit

Camera-ready copy of the List, data sources and index were provided by the World Conservation Monitoring Centre, 219 Huntingdon Road, Cambridge CB3 0DL, UK.

Printed by: Page Bros (Norwich) Ltd

Available from: IUCN Publications Services Unit  
219c Huntingdon Road, Cambridge CB3 0DL, UK  
Tel: +44 1223 277894, Fax +44 1223 277175  
E-mail: [iucn-psu@wcmc.org.uk](mailto:iucn-psu@wcmc.org.uk)  
<http://www.iucn.org>  
A catalogue of IUCN publications is also available.

# Contributions to the IUCN Species Survival Commission and the 1997 *IUCN Red List of Threatened Plants*

The Species Survival Commission gratefully recognizes its extensive network of volunteers and partner organisations who make products like the IUCN Red Lists possible. Those individuals who have contributed time and expertise are listed in the Acknowledgements. SSC also wishes to acknowledge those donors whose major financial contributions support a wide variety of SSC activities, as well as development and publication of the 1997 *IUCN Red List of Threatened Plants*.

**The Sultanate of Oman** established the Peter Scott IUCN/SSC Action Plan Fund in 1990. The Fund supports Action Plan development and implementation; to date, more than 80 grants have been made from the Fund to Specialist Groups. As a result, the Action Plan Programme has progressed at an accelerated level and the network has grown and matured significantly. The SSC is grateful to the Sultanate of Oman for its confidence in and support for species conservation worldwide.

**The Chicago Zoological Society (CZS)** provides significant in-kind and cash support to the SSC, including grants for special projects, editorial and design services, staff secondments and related support services. The mission of CZS is to help people develop a sustainable and harmonious relationship with nature. The Zoo carries out its mission by informing and inspiring 2,000,000 annual visitors, serving as a refuge for species threatened with extinction, developing scientific approaches to manage species successfully in zoos and the wild, and working with other zoos, agencies, and protected areas around the world to conserve habitats and wildlife.

**The Council of Agriculture (COA), Taiwan** has awarded major grants to the SSC's Wildlife Trade Programme and Conservation Communications Programme. This support has enabled SSC to continue its valuable technical advisory service to the Parties to CITES as well as to the larger global conservation community. Among other responsibilities, the COA is in charge of matters concerning the designation and management of nature reserves, conservation of wildlife and their habitats, conservation of natural landscapes, coordination of

law enforcement efforts as well as promotion of conservation education, research and international cooperation.

**The World Wide Fund For Nature (WWF)** provides significant annual operating support to the SSC. WWF's contribution supports the SSC's minimal infrastructure and helps ensure that the voluntary network and Publications Programme are adequately supported. WWF aims to conserve nature and ecological processes by: (1) preserving genetic, species, and ecosystem diversity; (2) ensuring that the use of renewable natural resources is sustainable both now and in the longer term; and (3) promoting actions to reduce pollution and the wasteful exploitation and consumption of resources and energy. WWF is one of the world's largest independent conservation organizations with a network of National Organizations and Associates around the world and over 5.2 million regular supporters. WWF continues to be known as World Wildlife Fund in Canada and in the United States of America.

**The National Wildlife Federation (NWF)** made significant annual contributions to the SSC Conservation Communications Fund and SSC's southeast Asia programme during the mid-1990s. NWF is the largest non-governmental, non-profit conservation-education and advocacy organization in the United States. It emphasizes assisting individuals and organizations of all cultures, in the United States and abroad, to conserve wildlife and other natural resources and to protect the earth's environment to assure a peaceful, equitable, and sustainable future.

IUCN also wishes to thank the **Norcross Wildlife Foundation** for supporting publication of this book.

## **Contributors to the 1997 *IUCN Red List of Threatened Plants***

The 1997 *IUCN Red List of Threatened Plants* represents a partnership among several NGO and government institutions. Contributions of major data sets made this publication possible; these contributions and the institutions that made them are described below. Of special note is the role played by the World Conservation Monitoring Centre,

which undertook the massive and challenging task of bringing the widely divergent data sources together.

### **WCMC – World Conservation Monitoring Centre**

The World Conservation Monitoring Centre (WCMC), based in Cambridge, UK, is a joint-venture between the three partners in the *World Conservation Strategy* and its successor *Caring for the Earth*: IUCN – The World Conservation Union, UNEP – United Nations Environment Programme and WWF – World Wide Fund For Nature. The Centre provides information services on the conservation and sustainable use of species and ecosystems and supports others in the development of their own information systems.

WCMC has developed global overview databases that include threatened plant and animal species, habitats of conservation concern, critical sites, protected areas of the world, and the utilisation of and trade in wildlife species and products. Drawing on these databases, WCMC provides an information service to the conservation and development communities, governments and the United Nations agencies, scientific institutions, the business and commercial sector, and the media. WCMC produces a wide variety of specialist outputs and reports based upon analyses of data integrated from many sources. It is also actively involved, particularly in developing countries, in building the capacities of other institutions for promoting and planning the conservation and sustainable use of their own biological resources.

### **TNC – The Nature Conservancy**

The Nature Conservancy (TNC) is an international non-governmental organization dedicated exclusively to biodiversity protection. With more than 900,000 members, the Conservancy owns and manages over 1,600 reserves, the largest private system of nature sanctuaries in the world. Internationally the Conservancy works to support in-country organizations and agencies that share its focus on the protection of biological diversity. The Conservancy has helped establish a network of Natural Heritage Programs and Conservation Data Centers, based in state and national agencies and private organizations throughout the United States, Canada, Latin America, and the Caribbean. Together with this network of data centers, the Conservancy develops and maintains biodiversity databases for use in informing conservation and development activities. The conservation status and geographic distribution of many western

hemisphere plants have been assessed and documented by this multi-institutional effort, including a comprehensive listing of threatened plants of the United States and Canada. This western hemisphere data set forms a major contribution to the *1997 IUCN Red List of Threatened Plants*.

### **ABI (formerly BIN) – associated with TNC**

The Association for Biodiversity Information (ABI) was established in 1994 to advance the goals of Natural Heritage Programs, Conservation Data Centers and associated organizations whose mission is to provide information on the distribution, abundance, and conservation needs of rare species and natural communities. ABI seeks to assist its members to operate as a network by sharing technologies, facilitating the exchange of knowledge and experiences, and facilitating the development of multijurisdictional information products and services. Most Natural Heritage data centers that provided state-level U.S. conservation status assessments as part of The Nature Conservancy's contribution to this volume are constituent members of ABI.

### **National Botanical Institute (NBI), South Africa**

The mission of the NBI is to promote the sustainable use, conservation, appreciation and enjoyment of the exceptionally rich plant life of South Africa, for the benefit of all its people. The NBI grows more than 10,000 indigenous plant species in eight National Botanical Gardens, located country-wide, providing an exceptional amenity and educational focus for local and overseas visitors alike. The research activities of the Institute, which focus on the systematics, ecology, conservation, ethnobotany and horticulture of southern Africa's plants, are conducted from three research centres. These centres include three herbaria which together house 1.8 million specimens. The Institute also develops and maintains databases on plant diversity for use in conservation and development activities.

### **Smithsonian Institution**

The Smithsonian Institution, founded in 1846 by an Act of Congress, counts among its most important missions the discovery, identification and understanding of the world around us. Personnel and research support for the North America, Middle America and South America sections of the *1997 IUCN Red List of Threatened Plants* were provided by the Department of Botany, National Museum of Natural History, Smithsonian Institution with support from other sources. Its cadre of research scientists, which includes a large number of biologists specialising in taxonomy, systematics and



evolutionary studies, is contributing to the global inventory of species and to the revision of our view of natural systems. The production of the data for this volume is but one of the efforts to provide accurate information for the use of resource managers and planners and as an educational tool for future generations.

### **Wildlife Australia**

Wildlife Australia deals with wildlife issues that were formerly the concern of the Australian National Parks and Wildlife. It manages or co-manages with the Aboriginal traditional owners seventeen parks, reserves and other land and marine protected areas. Nature reserves, marine parks and botanic gardens, including the Australian National Botanic Garden, are also managed by Wildlife Australia. In areas of Australia's Commonwealth responsibility, Wildlife Australia manages endangered species and marine wildlife. International agreements to which Australia is a party and which are administered under the aegis of Wildlife Australia cover the regulation of whaling, trade in endangered species, protection of migratory and endangered species, and the conservation of nature in the South Pacific. Wildlife Australia is part of Environment Australia which incorporates the environment programmes of the Australian Department of Environment, Sport and Territories, and supports scientific research to document Australia's flora and fauna.

### **RBGE – Royal Botanic Garden Edinburgh**

Founded in 1670 as a Physic Garden in Scotland's capital city, the Royal Botanic Garden Edinburgh is one of the oldest botanic gardens in the world and is, after Oxford, the second oldest in the United Kingdom. In the ensuing 327 years, it has become one of the world's major botanic gardens, with extensive research, conservation, and education programmes spanning the globe. Today the institution encompasses four gardens across Scotland, each affording distinct conditions for the cultivation of plants, and together attracting up to 1 million visitors each year.

RBGE is primarily a research institution devoted to the study of plants and fungi. Its world-famous living collections (58,000 accessions representing 21,000 taxa – 6% of the world's known vascular plants), herbarium (2 million specimens), and library (300,000 books, journals, illustrations and

archives) underpin the Garden's research programme in taxonomy (both monographic and floristic), horticulture, molecular systematics, genetic conservation, and both phanerogamic and cryptogamic biodiversity studies; these well documented living and herbarium collections serve as biological standards, and provide the taxonomic framework to enable publications such as this to be produced.

RBGE grows 1,386 species (581 genera, 152 families) of threatened plants listed in this book, including 13 that are extinct in the wild, and is discovering the horticultural and ecological parameters under which they grow, with the eventual aim of re-introduction and re-establishment when appropriate.

### **The Royal Botanic Gardens, Kew**

The mission of the Royal Botanic Gardens, Kew is to ensure better management of the Earth's environment by increasing knowledge and understanding of the plant kingdom. The Kew Herbarium is one of the world's largest and houses an encyclopaedic collection of over six million specimens of vascular plants and fungi from every country in the world. The Jodrell Laboratory carries out fundamental research in plant biochemistry, physiology, anatomy, cytology and molecular systematics. The library, with its collection of over 750,000 books and journals is a resource for all of Kew's research work. The living collections are the world's largest with 79,600 accessions representing 35,900 species; one in ten of all vascular plants. In addition Kew has the largest seed bank of wild plants containing over 4,000 species.

### **NYBG – The New York Botanical Garden**

An international leader in botanical research, The New York Botanical Garden is at the forefront of the battle to preserve the world's plant life. Since 1891 its scientists have conducted over 1,000 research expeditions worldwide to discover and document plants. Today it operates one of the world's most active research programs in systematic and economic botany. NYBG's staff of more than 100 researchers and technicians, including Ph.D. botanists, concentrates on exploring tropical regions where plant diversity is rapidly vanishing. The institution is also active in training the next generation of botanists through graduate programs here and field research abroad.



# Contents

<b>Foreword</b> .....	x
<b>Editors' note</b> .....	xi
<b>Acknowledgements</b> .....	xii
<b>Acronyms</b> .....	xvi
<b>Introduction</b> .....	xvii
Purpose .....	xvii
History of the threatened plants list .....	xviii
Data coverage and quality .....	xix
<b>Organisation of information</b> .....	xxi
Names .....	xxi
Conservation Status .....	xxii
Distribution .....	xxiii
Data sources .....	xxv
Statistics .....	xxv
<b>Analysis of the list</b> .....	xxvi
Species counts .....	xxvi
Geographic analysis .....	xxvi
Taxonomic analysis .....	xxiv
Plant extinctions .....	xlvi
<b>Global Red Lists – where next?</b> .....	xlvii
<b>Appendix I: IUCN Red List Categories</b> .....	il
IUCN Red List Categories as used in this List (pre-1994) .....	il
1994 IUCN Red List Categories .....	il
<b>Appendix II: Threatened Plants Database management</b> .....	liii
Bibliographic information .....	liii
Taxon information .....	liii
Distribution information .....	liii
<b>Appendix III: The Nature Conservancy and Wildlife Australia status ranks</b> .....	lvii
Interpretation of The Nature Conservancy status ranks .....	lvii
Interpretation of Wildlife Australia status ranks .....	lviii
<b>References</b> .....	lxi
<b>Navigating the List</b> .....	lxiv

<b>1997 IUCN Red List of Threatened Plants</b> .....	1–752
<b>Data sources</b> .....	755–824
<b>Index</b> .....	827–862

## List of Tables

Table 1. Major taxa included in this Red List .....	xxi
Table 2. Taxonomic levels of CITES listings displayed in this Red List .....	xxiii
Table 3. BRUs (Biological Recording Units) .....	xxiv
Table 4. Comparison of potential methods of counting threatened plants .....	xxvi
Table 5. Globally threatened vascular plants: IUCN Category by country .....	xxvii
Table 6. Countries with at least 5% of their native species threatened .....	xxxiii
Table 7. Globally threatened taxa of vascular plants: IUCN Categories by country-level endemism .....	xxxv
Table 8. Globally threatened taxa of vascular plants: IUCN Categories by major taxa and families .....	xxxv
Table 9. Vascular plant families listed with at least 50% of their species threatened .....	xlvi
Table 10. Number of families and genera containing globally threatened vascular plants for each IUCN Red List Category .....	xlvi
Table 11. Major tables used in the Threatened Plants Database .....	liv
Table 12. Type of data records suppressed from the Red List .....	lv
Table 13. Conversion of TNC ranks to IUCN Categories .....	lviii

## List of Figures

Figure 1. Percentage of the world's vascular plant species threatened at a global scale .....	xvii
---	------

# Foreword

The closing decades of this century have witnessed an unprecedented interest in the future of planet earth. The alarming loss of natural habitats, and the species and ecosystem processes dependent on them, has stimulated conservationists around the globe to share knowledge and resources to document, monitor and attempt to reverse the deterioration of the planet's health. This book provides a snap-shot of the state of the world's plant diversity at the end of the second millennium. It presents a shocking picture of nearly 34,000 species, or 12.5 per cent of the world's flora, facing extinction.

This book is the first comprehensive listing of threatened plants at a global scale. As a synthesis of numerous data sets of varying vintage and quality, it inevitably contains errors, redundancies and omissions. Its strength lies in the decision to go forward and publish what can at best be a first approximation. It is at once both a stimulus and a challenge to botanists and conservationists around the world to evaluate every statement and record included in this volume – and to contribute to a revised edition in the near future. The power and accessibility of the Internet and future information technologies will make possible a rapid advance in exchange and integration of threatened plant information, and the appearance of the second edition of this list in electronic as well as hard copy format.

Red Data Books are as relevant today as they were thirty years ago when the concept was introduced to the world by the late Sir Peter Scott, then Chairman of IUCN's Species Survival Commission. While viewed by some as antiquated artefacts of the pre-electronic age, RDBs have served conservation well, most especially in developing countries where knowledge on the biota is often incomplete and where authoritative RDB lists, even in stagnant hard copy form, are an invaluable aid to drawing the attention of decision makers to biodiversity conservation priorities.

The Convention on Biological Diversity is the most important international instrument for conservation yet created, and its implementation will be dependent on the availability of the kinds of information provided in this book. The Convention focuses on the responsibility of sovereign nations regarding biodiversity conservation and its sustainable use, and it is pertinent to note that a staggeringly high 91 per cent of the species listed in this book as threatened are limited in their geographical distribution to single countries. Thus the future of no fewer than 33,798 species listed in the book falls within the direct responsibility of individual nations – the majority of these signatories to the Convention. The Convention calls upon signatories to prepare national biodiversity action plans by mid 1997, setting a tight timetable for positive measures to address the conservation needs of the vast majority of species listed in the book. This volume's utility to the implementation of the CBD is thus of direct relevance.

What the book does not address, nor is it meant to address, is the global need for capacity building in plant conservation biology, and most particularly in plant taxonomy, the Cinderella of the biosciences. The Convention on Biological Diversity will fail in all its noble goals if the taxonomic expertise of all countries, but most especially developing countries, is not rapidly reinforced. Fortunately, initiatives stimulated and supported by such financial mechanisms as the Global Environmental Facility, through UNEP and UNDP, offer new opportunities for capacity building and institutional strengthening. Motivated by the urgency of needs documented by books such as this and the actions resulting from the CBD, one can look to the near millennium with a cautious measure of optimism.

*Professor Brian Huntley  
National Botanical Institute, South Africa*

## Editors' note

Please read the Introduction to this book before consulting the Red List. It is important to understand the data-gathering, compiling, and management processes involved in preparing the list in order to draw reasonable conclusions from the data presented. The Threatened Plants Database from which this list was produced has been developed over many years and is dependent on the contribution of data from vastly diverse sources throughout the world. As this Red List is the result of merging several regional databases, two of which do not follow the IUCN Categories of threat, particularly detailed explanations of the conversion of threat categories are included.

There are many challenges arising from the management of such a large data set, some of which are evident in this list. We appeal to users of this Red List to appreciate the complexity of managing the data, and the many issues that arise in attempting to create a harmonised and consistent list, particularly with regard to the following issues:

- Only vascular plants have been included in this book. Much work is being done today to assess the number of threatened non-vascular plants, and hopefully these will be reported in the next edition of the Red List.
- This Red List shows a distinct regional bias, partly due to the merging of three regional databases with the Threatened Plants Database, and partly because there are vast areas of the world for which floristic and conservation status data are incomplete, particularly in Africa, Asia, the Caribbean, and South America.
- Publication of this list has been made possible due to the generosity of The Nature Conservancy, Wildlife Australia and the National Botanical Institute in making their extensive data sets available in electronic format. Anyone interested in obtaining further details for North America, Australia or South Africa should contact the relevant organisation directly for the most current information about the conservation status of plants in these regions.
- Known synonyms have been suppressed from this list, although some do appear either due to lack of information, or differences in taxonomic opinion.
- Most plant author names appear as they were originally provided by the data source. Ideally, we follow the standard established by Brummitt and Powell (1992) for plant authorities. However, due to the long history of the database, the many sources of data, and the size of the data holdings, it has not been possible to bring all existing records in line with this standard.
- Great efforts have been taken to ensure that credit is given for the origin of all data, both published and unpublished, by providing a comprehensive list of data sources. The data sources also provide an extremely important indication of the date of publication and, therefore, the currency of the conservation data. It has not been possible to go back to 'old' sources for updated information, and some data in this list are inevitably out of date.
- Finally, despite our best efforts to adhere to strict guidelines concerning interpretation of conflicting sources of information, it was inevitable that editorial control had to be exerted in many instances, particularly in deciding on criteria for inclusion in this published list. Whilst great effort has been made to ensure the accuracy of the data presented, given the size of the list, it is inevitable that some records will prove to be inaccurate. As editors we accept final responsibility for the data presented here, but emphasise that a list such as this simply provides a view of the data as it existed on the Threatened Plants Database on 22 May 1997, and will always require further additions, alterations and improvements. Comments on, and additions to the list are always welcomed, and provide a vital input to improving further listings.

# Acknowledgements

Collation of the information presented in this IUCN Red List has only been possible with the support of an enormous number of people throughout the world. The extent of this support is evident by referring to the list of 2,091 data sources which follows the main list. Not only do these entries indicate the source of the data, they also allow credit to be given to the primary data gatherers, without whom production of compendia such as this is not feasible.

Many people supplied particularly large amounts of information and/or useful advice. At the risk of providing only an incomplete list, these include: J. Abrahamsen, C.D. Adams, E. Adjanohoun, J.M. Aguilar Cumes, L. Aké Assi, J.R. Akeroyd, D.M. A. Alanen, D.M. Al-Eisawi, A.H. Al-Khayar, R.M. Alfaro, S.I. Ali, T. Almeida, R. Alvaro, K. Ammann, S. Andrews, A.L. Antohiou, G. W. Argus, B. von Arx, E.O.A. Asibey, P.S. Ashton, G.G. Aymonin, J.A. Bacone, M.M.J. van Balgooy, M.J. Balick, P. Bamps, C. Barclay, W.T. Barker, T.M. Barkley, T. Baytop, H.E. Beaty, S. Beck, L.J. Belousova, D. Benkert, G. Benl, P. Berry, R.W. Boden, P. Boniface, I. Bonnelly de Calventi, J. Bonnet, A. Borhidi, J. Bosser, M. Boydak, L. Brako, D. Bramwell, F.J. Breteler, J.D. Briggs, P. Broussalis, R.E. Brown, R.K. Brummitt, W. Burger, W. Burley, R. Burton, B. Burt, R. Bye, L.J.T. Cadet, M. Lisete Caixinhas, J.E. Canfield, S. Carter-Holmes, J. Cеровsky, J.D. Chapman, A.O. Chater, M.N. Chaudhri, A.S. Cheke, S. Cheng-kui, M. Chilcott, V.I. Chopik, E.A. Christenson, G.L. Church, S. Cochrane, M. Cohen, N.H.A. Cole, J.B. Comber, P. Condy, M. Conrad, M.J.E. Coode, C.D.K. Cook, T.A. Cope, F. Corbetta, B. Corrias, J. Cortes, R.A. Countryman, P. Coyne, P.J. Cribb, J.R. Croft, Q. Cronk, B.S. Croxall, K. Curry-Lindahl, T. Curtis, S.K. Czerepanov, W. d'Arcy, P.H. Davis, J.-P. d'Huart, E. d'Souza, M. Damanakis, A. Danin, G. Davide, B. de Winter, R.A. DeFilipps, H. Dernirez, G. Dennis, G. Dihoru, M. Dillon, M.G. Diamini, C.H. Dodson, D.D. Doone, L.E. Dorr, F. Dowsett-Lernaire, J. Dransfield, S. Dransfield, A.M. Dray, R.L. Dressler, B. Dummond, R.W. Dwyer, J. Dwyer, I.D. Edwards, E. Einarsson, T. Ekim, J.M. Engel, H. Ern, I. Escobar, A. Escudeiro, S. Estensoro, R. Faden, P. Fairburn, A. Farjon, L. Farrell, J.M. Fay, A. Federov, J. Feilberg, K. Ferguson, L.F. Ferguson, A.A. Ferrar, S. Filipello, H. Fink, M.A. Fischer, J.J. Floret, E. Forero, L.L. Forman, B. Fredskild, J.D. Freeman, F. Friedmann,

I. Friis, F.R. Fosberg, E. Gabrielian, F. Garbari, M.F. Gardner, Z.O. Gbile, C. Geerling, D. Geltman, A.H. Gentry, A. George, B. Gibbs- Russell, M.G. Gilbert, J.B. Gillett, D.R. Given, H.C. Gjerlaug, L. Godical, E.E. Gogina, C. Goldberg, P. Goldblatt, P. Golz, P.L. Gorchakovsky, S. Peccenini Gordini, N. Goulrandris, L.D. Gómez, C. Gómez-Campo, J.-J. de Granville, M.H. Grayum, P. Gregerson, W. Greuter, C. Grey-Wilson, V.I. Grubov, C.V.S. Gunatilleke, I.A.U.N. Gunatilleke, M.N. el Hadidi, E. Hágsater, W.J. Hahn, T.V. Hall, N. Hallé, O. Hamann, H. Hamburger, L. Hämet-Ahti, B.E. Hammel, A.C. Hamilton, A. Hansen, W.Z. Hao, R.M. Harley, I. Hedberg, O. Hedberg, I.C. Hedge, D. Henderson, A.J. Hepburn, F.N. Hepper, D. Herbst, J.E. Hernández- Bermejo, V.H. Heywood, C. Hilton-Taylor, F.-C. Ho, E. Hogan, K. Hoiland, L. Holm-Nielson, S. Holt, R.E. Holtum, J. Holub, M. Houser, K.S. Hsu, T.C. Huang, O. Huber, C.J. Humphries, H.G. Hundley, D.R. Hunt, J. Hunziker, T. Ingelög, K. Iwatsuki, H. Jacques-Félix, P. Jaeger, S.K. Jain, J. J alas, H. Jasiewicz, C. Jeffrey, J. Jensen, J. Jérémie, C. Jermy, R. Jenkins, R. Johns, D.V. Johnson, M.C. Johnston, J.-C. Jolinon, B. Jonsell, L.D. Jornez, C. Kabuye, M.G. Karrer, K. Kartawinata, S. Keel, D.L. Kelly, H. Keng, R. Kiesling, R. Kiew, Kim Yong- Shik, R.A. King, R.B. de Klee, S. Knees, E. Köhler, J. Kornas, R. Kral, I. Kryukova, B.A. Kuzmanov, R. Kwok, M. Laínz, E. Landolt, E. Lanfranco, T. Lamb, J. Lambinon, P. Lantz, S.E. Lauzon, A. Lawalrée, C.C. Lay, J.-P. Lebrun, T.B. Lee, Y.N. Lee, J.H. Leigh, D.B. Lellinger, J.Y. Lesouéf, F. Le Sueur, R. Letouzey, G.P. Lewis, R.W. Lichvar, J.C. Lindeman, H.P. Linder, A.H. Liogier, J.M. Lock, B. Lójtant, D. Long, A.H. Lot, J. Lovett, C.A. Luer, J.L. Luteyn, H.E. Luther, S. Lyster, P.J.M. Maas, B. MacBryde, H.S. MacKee, J. MacKnight, D.A. Madulid, J. Malato- Beliz, W. Marais, F. Markgraf, C. Martin, G. Martinelli, P.C. Martinelli, B. Mathew, M. Maunder, E. Mayer, S.J. Mayo, D. McClintock, B.R. McDonald, L.R. McMahan, R. McVaugh, R.D. Meikle, J.E. Mendes Ferrão, J. Mennema, H. Meusel, R. Mill, J. Miller, T.G. Miller, N.A. Minyaev, M.J. Mitchell, N. Mohner, D. Money, T. Monod, F. Monterroso, B. de Montmollin, D.M. Moore, H.E. Moore, W.H. Moore, R.C. Moran, Ph. Morat, S.A. Mori, N. Morin, L.E. Morse, T. Müller, M. Muñoz Schick, D.F. Murray, F. Näscher, C. Nelson S., F. Németh, E. Ni Lamha, O. Nilsson, D.H. Nicolson, H. Niklfeld, H. Nishida, R. Nordhagen, C. Norquist, M. Numata,

C. Ochoa, H. Ohba, J.C. Okafor, R. Olaczek, L. Olivier, P. Olwell, S. Orzell, R.T. Pace, C.N. Page, J. Page, G. Palacios, C. Pannell, A. Pelaez Goycochea, F.H. Perring, Phan Ke Loc, D. Philcox, B.R. Philips, A. Phillipps, D. Phitos, R.E.G. Pichi-Sermolli, J. Pickard, S. Pignatti, G.E. Pilz, U. Pinborg, E. Pingitore, A.R. Pinto da Silva, A. Pinzl, J. J. Pipoly, M. Plotkin, A.C. Podzorski, R.M. Polhill, D.M. Porter, D.A. Powell, R. Press, G. Proctor, S. Price, A. Radcliffe-Smith, F. Raimondo, T.P. Ramamoorthy, M.H. Ramos Lopes, V. Randrianasolo, A.L. Rao, W. Rauh, P.H. Raven, R.W. Read, L. Reichling, S.A. Renvoize, S. Rivas-Martinez, S.A. Robertson, W.A. Rodgers, J.A. Rodrigues de Paiva, M. Romeril, W. Rossi, J.H. Rumely, H. Runemark, J. Rzedowski, M.-H. Sacket, M.S. Khan, M.J.S. Sands, C. Sargent, A.R.K. Sastry, M. Scannell, J. Van Scheepen, C. Scheepers, F.M. Schlegel, M. Schmid, J. Schwegman, J.W. Scott, P. Scott, K. Scriven, R.R. Sears, K. Segnestam, J. Seyani, K.H. Sheikh, G. Sheppard, T. Shimizu, A. Shmida, G. Sfikas, S. Siwatibau, P. Skoberne, L.E. Skog, A.C. Smith, L.B. Smith, W.A. Smith, T. Smitinand, B.E. Smythies, S. Snogerup, J.C. Solomon, G.V. Somner, B.A. Sorrie, M. Soto, R. Spichiger, W.T. Stearn, W.D. Stevens, D.W. Stevenson, J. Stewart, J. Steyermark, C. Stirton, A.L. Stoffers, W.A. Strahm, H.E. Strang, A. Strid, A.M. Studart da Fonseca Vaz, T.F. Stuessy, H.-J. Su, A. Sugden, H. Sukopp, J. Sultana, J. Suominen, J.D. Supthut, D. Sutton, W.R. Sykes, W. Tai, A.L. Takhtajan, E. Tanner, N.P. Taylor, Y. Te-Tsun, J.P. Theurillat, P. Thomas, A.D. Thompson, G. Thor, D. Van Tien, V.N. Tikhomirov, V.M. Toledo, C.C. Townsend, H. Trass, G. Traxler, G. Troupin, C. Tyndeman, N.W. Uhl, P. Uotila, B. Valdes, T. Vasconcelos, B. Verdcourt, C. Villamil, D.E. Viney, K. Vollesen, A.P. Vovides, S. Vuokko, M. Wadhwa, F.H. Wadsworth, W.H. Wagner, W.L. Wagner, S. Wahlberg, M.G. Walters, S.M. Walters, D.C. Wasshausen, D.A. Webb, L. Webb, E.J. Weeda, E. Weinert, O. Weiskirchner, D.W. Weller, T. Wendt, H. Van der Werff, M. Werkhoven, W.A. Whistler, F. White, T.C. Whitmore, G.E. Wickens, S.R. Wilbur, R.T. Winterbottom, J.R.I. Wood, K. Woolliams, T. Wraber, A. Wüenschmann, J.J. Wurdack, P. Wyse Jackson, F. Yaltirik, J. Zaffran, T. Zanoni, E. Zardini, J.L. Zarruchi, C. Zimmer, A. Zimmermann, E.M. van Zinderen Bakker, and G. Zizka.

The many staff of the Threatened Plants Unit (TPU) over the years are especially to be thanked for their work in data gathering, validation, and manipulation. They include Ronald Melville, Hugh Syngé, Sara Oldfield, Christine Leon, Stephen

Davis, Charlie Jarvis, Jana Zantovska, Stephen Droop, Robert Madams, and Vernon Heywood. Special thanks also go to Jane Villa-Lobos of the Latin American Plants Program at the Smithsonian Institution, and Olga Herrera-MacBryde, who have tirelessly gathered and reviewed conservation data for Mexico, Central and South America.

Special mention needs to be made of the three organisations that generously made their national data sets available in electronic format:

The Nature Conservancy (TNC), USA, provided data on approximately 11,000 plants for the United States, Canada, and Latin America, representing the largest single data contribution to this list. This data exchange has involved a great deal of effort on the part of TNC's Lynn S. Kutner, Larry E. Morse, Shirley Keel, and Bruce Stein, as well as the members of the Natural Heritage and Conservation Data Center Network, the Association for Biodiversity Information, and John T. Kartesz of the North Carolina Botanical Garden. Sincere thanks are due to them all for their work in providing this important Western Hemisphere data set to this project.

Wildlife Australia supplied data on approximately 5,000 plant taxa native to Australia. The data were compiled for *Rare or Threatened Australian Plants*, the fourth revision of which was compiled in 1995 and published the following year (Briggs and Leigh, 1996). That revision gathered the knowledge of specialists in all states and territories of Australia as well as some overseas workers. Special thanks are due to John Briggs, John Leigh, and Lyn Meredith for their assistance in making this valuable information available in electronic format.

The National Botanical Institute (NBI), South Africa, provided data on approximately 3,435 threatened plant taxa which occur in southern Africa (the area including Namibia, Botswana, Swaziland, Lesotho, and South Africa). This information was obtained as part of a collaborative project on threatened plants in southern Africa co-ordinated by Craig Hilton-Taylor, the initial results of which were recently published as the *Red Data List of Southern African Plants* (Hilton-Taylor, 1996). A large number of professional and amateur botanists contributed to this project and they are fully acknowledged in the above publication. The following people, however, deserve special mention because of the pivotal role they played in providing data and helping to check all the information received: Tania Anderson, Wayne Boyd, Kate Braun, Patricia Craven, Johann du Preez, Craig Hilton-Taylor, Gillian Maggs, Pete Phillipson,

Ruida Pool, Rob Scott-Shaw, Marianne Strohbach, and Sumitra Talukdar. Sincere thanks are also due to Tony Hall, Steve Fourie, Dave Everard, and their co-workers for laying the impressive foundations on which most of the threatened plants work in southern Africa is based.

Although many botanic gardens and herbaria around the world have made substantial contributions to the information in this List, several (including their library staff) deserve special mention – the Royal Botanic Gardens, Kew, the National Museum of Natural History of the Smithsonian Institution, the Natural History Museum (UK), the Royal Botanic Garden Edinburgh, The New York Botanical Garden, Missouri Botanical Garden, and the Arnold Arboretum of Harvard University. The Royal Botanic Garden Edinburgh has played a crucial role in the completion of this book by allowing one of the editors (KSW) to continue work on it after he left WCMC in 1993.

For a period of several years in the 1980s, the IUCN/WWF Plant Advisory Group (PAG) met regularly and provided vital advice and guidance on plant conservation issues. PAG members included Laurent Aké Assi, Peter S. Ashton, Robert Boden, Enrique Forero, Arturo Gómez-Pompa, Ole Hamann, He Shan An, Kuswata Kartawinata, T.N. Khoshoo, Naniuza Luiza da Menezes, Ghilleen T. Prance, Pierre Quézel, Voara Randrianasolo, Peter Raven, Richard Schultes, Armen Takhtajan, Eddy van der Maarel, and Wang Xian-pu.

Thanks are given to Wendy Strahm, the current IUCN Plants Officer, and her predecessors, along with the Chairs and many members of SSC plant Specialist Groups throughout the world who have played a key role in collating and checking data, including: Conifers (Aljos Farjon and Chris Page), Cacti and Succulents (Ted Anderson, David Hunt, Sara Oldfield and Nigel Taylor), Cycads (Cynthia Giddy and Dennis Stevenson), Europe (Klaus Ammann), Ferns (Clive Jermy), Mediterranean Islands (Bertrand de Montmollin), North America (Robert Mohlenbrock), Orchids (Eric Hágsater), Palms (Michael Balick, John Dransfield and Dennis Johnson), South America (Enrique Forero and Carlos Villamil), and Temperate Broadleaved Trees (David Hunt). These groups have been responsible for drawing up and annotating a great many lists over the years.

Credit is given to the people involved with establishing and managing the Threatened Plants

Database as well as to those responsible for entering, editing, and managing its ever-expanding data holdings. The database was originally established under Grenville Lucas of the Royal Botanic Gardens, Kew, and implemented and managed for many years by Hugh Syngé, followed by Chris Leon. Thanks are due to those who were most involved in developing the early databases used to track the information shown in this book – Duncan Mackinder, Nick Phillips, Eddie Wymer, Pete Rooney, Mike Crosby, Jeremy Harrison, Al Blake, and Steve Luckcock. In addition to these people, Robert Jenkins, Keith Carr, and Larry Morse of The Nature Conservancy and Ian Barnes and Duncan Bennett of WCMC played an indirect but pivotal role in the further development of the current Threatened Plants Database by Kerry Walter, who headed WCMC's plant activities from 1991–1993, followed by Harriet Gillett.

Manual data entry has been undertaken by too many people to list comprehensively. However, WCMC staff involved in recent years include Pete Atkinson, Kevin Burgess, Rob Cubey, Karen Headley, Neil Jenking, David Kirk, Beverley Lewis, Jim Lucas, Sarah Skinner, Maria Toal, Jon White, and volunteers Lorna Hall and Peter Richardson. Charlotte Jenkins, Sara Oldfield and Amy Mackinven, working on a WCMC/SSC project on the Conservation and Sustainable Management of Trees, have also been involved with updating tree data. The contributions of former TPU staff members, while less recent than those listed above, are no less appreciated or important – Katherine Barnes, Margaret Beyer, Penny Croucher, Jane Flood, Deb Goodenough, Patrick Gregerson, Louise Henson, Erica Kiess, Heather Macleod, Vicki Morgan, Noel McGough, Nicky Powell, Judy Sheppard, Rosemary Simpson and Winifred Worth.

As any database manager will know, the process of checking data can appear to produce as many problems as it solves, and a special mention is due to Johanna Sidey, Donna Smith, and Simon Reeve for bearing the onerous burden of cleaning up the data following the electronic data merges prior to publication, and still managing a smile at the end of the day!

Thanks are due to Tim Johnson and Simon Stuart who provided management support. Steven Mugeridge, Julie Reay and Rose Warwick provided invaluable technical and administrative assistance. Over the years useful discussions have taken place with many colleagues within IUCN and WCMC, including Mark Collins, Mary Cordiner, Brian



Groombridge, Martin Jenkins, Jeremy Harrison, Jo Taylor, Sue Wells, and Lissie Wright. RBGE staff Rob Cubey and Martin Pullan provided assistance with data transfers.

External financial support for the Threatened Plants Database and its outputs has come from a range of sources either as direct funding or as indirect support for a range of WCMC projects and programmes and is hereby gratefully acknowledged: CITES Secretariat; Council of Europe; Darwin Initiative for the Survival of Species; European Economic Community; International Tropical Timber Organisation (ITTO); IUCN – The World Conservation Union; Government of the Netherlands; National Museum of Natural History, Smithsonian Institution; U.K. Natural Environment Research Council (NERC) on behalf of the European Research Councils, co-ordinated through the European Science Foundation; United Nations Environment Programme (UNEP) under their Global Environment Monitoring System

(GEMS); World Wide Fund For Nature (WWF); and WWF-US.

The New York Botanical Garden has generously supported this project by publicising and distributing this book to its network. Although they have not been involved as an institution in the compilation and production of this Red List, their researchers have long been contributors to the database, and they recognise the importance of publishing this first edition of the Red List.

Finally we would like to thank both friends and families for their tolerance and support, particularly over the final months of preparation: Martin Gardner, Sabina Knees, Mike O'Neal, and Phil, Eli and Ned Trathan.

*Kerry S. Walter*

*Royal Botanic Garden Edinburgh*

*Harriet J. Gillett*

*World Conservation Monitoring Centre*

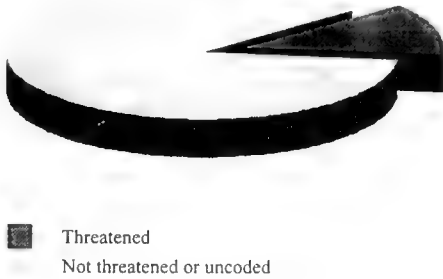
*September, 1997*

# Acronyms

ANZECC	Australia and New Zealand Environment and Conservation Council
BCIS	Biodiversity Conservation Information System
BRU	Biological Recording Unit (also known as Basic Recording Unit)
CDC	Conservation Data Centers
CITES	Convention on International Trade in Endangered Species of Fauna and Flora
ISO	International Standards Organisation
IUCN	The World Conservation Union
NBI	National Botanical Institute
NHCD	Natural Heritage Central Database
NHP	National Heritage Program
NYBG	New York Botanical Garden
ROTAP	<i>Rare or Threatened Australian Plants</i>
SSC	Species Survival Commission
TDWG	International Working Group on Taxonomic Databases for Plant Sciences
TNC	The Nature Conservancy
TPU	Threatened Plants Unit
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
WCMC	World Conservation Monitoring Centre
WWF	World Wide Fund For Nature

# Introduction

The 1997 IUCN Red List of Threatened Plants represents a milestone in the history of Red Data books and lists, providing, as it does, the first-ever published list of vascular plants (ferns and fern allies, gymnosperms including conifers and cycads, and flowering plants) recorded as globally Rare, Vulnerable, Endangered or Extinct. The current volume lists 33,798 species (see species counts, p.xxvi) as threatened. Compared to an estimated global flora of 270,000 species this results in the grim statistic that over 12.5% of the world's vascular flora is threatened at the global scale (Figure 1). These threatened plants are to be found in 369 families, scattered throughout 200 countries.



**Figure 1. Percentage of the world's vascular plant species threatened at a global scale.**

It must be stressed that although over 12.5% of the world's flora has now been identified as globally threatened, this is just the tip of the iceberg for several reasons. Despite data drawn from thousands of sources, much information is still lacking, due to gaps in either taxonomic knowledge or on-the-ground fieldwork. Secondly, information was often only available to indicate that a species was threatened in part of its range. Although suspected to merit listing as globally threatened, these species were not included in this list as the distribution data were incomplete and therefore did not satisfy the strict conditions for listing (see "Interpreting and assigning the global threat status", p. xxiii). Finally, data presented here are assessed at the *species*, *subspecies*, or *varietal* level. When the unit being assessed is the *population* within a species or the genetic erosion within these species and populations, the conservation situation becomes much worse (Gaston, 1996; Harper & Hawksworth,

1994). This concern about genetic erosion and diminishing genetic diversity at the population level is particularly important in the areas of plant genetic resources and wild relatives of cultivated plants (Falk & Holsinger, 1991; Falk *et al.* 1996; Frankel *et al.* 1995; Heywood, 1995).

The major message of this global compilation is that the number of threatened plant species that we know of is enormous, but as more information becomes available, the situation will be shown to be even worse; thus increased conservation action for plants is desperately needed. We hope that this list will help governments, non-government organisations, and individuals to understand better the scale and urgency of the problems surrounding threats to plants on a global scale, and use this information to promote and guide actions to conserve plant biodiversity in all of its incredible richness.

This Red List is the result of years of data collection by researchers throughout the world and provides a unique overview of the conservation status of the world's vascular plants, following the pre-1994 IUCN Red List Categories (Appendix I). It has been compiled by the World Conservation Monitoring Centre (WCMC) in close collaboration with the many partners noted in the acknowledgements, and was generated directly from the Threatened Plants Database on 22 May, 1997. The database underlying this list continues to be updated on a daily basis and we remain as eager as ever to receive comments and additional information on any aspect of this book.

## Purpose

International IUCN Red Data Books were conceived by Peter Scott in 1963 as '*a register of threatened wildlife that includes definitions of degrees of threat*' (Scott *et al.*, 1987). This concept generated enormous interest throughout the world, demonstrated by the production of many national Red Books and Lists for a wide range of plant and animal taxa. However, unlike Red Data Books, Red Data Lists lack detailed information for each species, providing instead a summary view. Five IUCN Red Lists of Threatened Animals have been compiled by WCMC in the past decade (IUCN, 1996), the most recent listing all globally threatened birds and mammals, plus some reptiles, fish,

amphibians, and invertebrates. The task of publishing a list of the world's threatened vascular plants – containing more than six times the number of species as in the 1996 IUCN Red List of Threatened Animals – proved to be such a major challenge that it is only now being achieved for the first time. However as more and more work is being undertaken on threatened plants, and as more accurate and detailed information is generated, we hope that the publication of revised and much improved volumes will become standard practice.

Red Lists serve a wide variety of purposes. In “*The reasons for Red Data Books*”, Collar (1996) gives a comprehensive account of ethical, economical, educational, practical and institutional reasons for the production of International Red Lists in particular. Based on the assumptions that species are the principal unit of concern, and that priorities are to be determined based on their level of threat, then five issues are important:

**Priority setting**

To help identify key regions and taxonomic groups for targeted funding and concerted public policy.

**Comprehensiveness**

To provide a comprehensive primary source of data, based on scientific expertise, laying the foundation for biodiversity databases and repatriation of data.

**Objectivity**

To produce a work based on a global standard of threat assessment, thereby placing evidence of the conservation status of vascular flora in the public domain.

**Motivation**

To motivate people to participate in conservation networks, actions, and educational programmes.

**Monitoring**

To provide a baseline for the measurement of conservation progress (or further deterioration).

Many of the ecosystem approaches to conservation rely on the concept of indicator species or flagship species. This list does not provide details on what these species should be, but does provide a major argument for making decisions about which species are likely to be in greatest need of conservation activity, and where in the world they occur.

As Collar (1996) comments: “*Red Data Books are (seemingly) big and slow to grow and expensive to keep going; but so are rhinos, so are pandas, so are condors. Those who expect the discipline of biodiversity priority-setting to be satisfied by*

*short-term on-site consultancies involving the scanning of forest-cover maps and protected-area species inventories may well think of Red Data Books as dinosaurs that have had their day. Those who recognise the multitude of benefits that steadily accrue from focused and painstaking data assembly and analysis will appreciate Red Data Books as the unspectacular but indispensable root system from which true judgement and real conservation can grow.*”

It is our sincere hope that this list of globally threatened plants will serve as that root system and also that it will be taken for no more or no less than it is – a first attempt at summarising the conservation status on a global level of some of the most important organisms on Earth. Together with other major data compilations such as: *Global Biodiversity: Status of the Earth's Living Resources* (Groombridge, 1992), *Global Biodiversity Assessment* (Heywood, 1995) and *Centres of Plant Diversity, A Guide and Strategy for their Conservation* (WWF & IUCN, 1994–1997), the 1997 IUCN Red List of Threatened Plants will help provide the information needed to support the global plant conservation information needs outlined in *Caring for the Earth. A Strategy for Sustainable Living* (IUCN/UNEP/WWF, 1991) and *The Botanic Gardens Conservation Strategy* (IUCN/BGCS, 1989).

## History of the threatened plants list

This list of threatened plants has a long history. Work began in the late 1960s, when Sir Peter Scott, then Chairman of the IUCN Species Survival Commission (SSC), invited Ronald Melville, a retired botanist at the Royal Botanic Gardens Kew, to compile a Red Data Book on Angiosperms to match the famous loose-leaf books on threatened animal groups. By 1971, Melville had been able to publish two sets of loose-leaf sheets covering 118 plants in all. But, as a result of the work, he had come up with the prediction – startling at the time – that 20,000 flowering plant species could be in danger. The prediction galvanised the SSC to consider how to cover plants and to realise that a Red Data Book, with pages on each threatened species, would not be practical.

In 1973 Jack Heslop-Harrison, then Director of Kew, agreed that the work would be carried forward as a joint project of Kew and IUCN. The SSC Threatened Plants Committee was created, and Gren

Lucas was appointed to run the programme with Hugh Syngé as Research Assistant, funded by the World Wildlife Fund (WWF). The first project was to prepare a list of threatened plants of Europe for the Council of Europe. Involving hundreds of taxonomic experts, this list was published in 1977, covering some 2,000 threatened species, and was the first continent-wide list of its kind to be produced. In the following year, *The IUCN Plant Red Data Book* was published (Lucas & Syngé, 1978) using these and other data. This book provided details on the conservation status of 250 species of plants – 1% of the then estimated 25,000 threatened species – chosen to represent the types of threats facing plants, as well as to highlight at least some plants from virtually all parts of the globe. As hoped, this book stimulated many other countries to produce their own Red Data books. The booklet *How to use the IUCN Red Data Categories*, produced by the Threatened Plants Committee Secretariat (1981) provided valuable guidance in applying the Categories.

During the 1980s, the work of the renamed Threatened Plants Unit (TPU) expanded, and the team reached over 10 staff at its peak. During this period many TPU staff developed excellent contacts in their designated geographic area, a model that proved particularly successful. During this time TPU produced its *Threatened Plants Newsletter*, sending it to nearly 5,000 people world-wide. In late 1979 arrangements were made for the Smithsonian Institution to gather data on threatened plants in Latin America, and Jane Villa-Lobos was appointed to carry out the work. From her office nearly 160 issues of the *Biological Conservation Newsletter* have been produced. In addition to being widely distributed throughout the world and now available on the Internet, this newsletter has supplied a great many data sources for the Threatened Plants Database.

This work spawned a range of major initiatives supporting *in situ* and *ex situ* plant conservation. Most significant was the joint IUCN/WWF Plants Conservation Programme, which ran from 1984 to 1990. The early work in cataloguing which threatened plants in the database were being grown in botanic gardens led in 1987 to the creation of the Botanic Gardens Conservation Secretariat, later renamed Botanic Gardens Conservation International (BGCI), now an extremely effective organisation in its own right, linking more than 500 botanic gardens in the world that provide vital support to *ex situ* conservation. The need to track literature references led to the building of the

foremost bibliographic database on plant conservation, much of which was published in the *World Plant Conservation Bibliography* (Anon, 1990), and available as part of the Threatened Plants Database on which this list is based.

Part of TPU's message in the 1970s and the 1980s was that each country should prepare its own Plant Red Data Book as the best way of assembling information and stimulating action, particularly for *in situ* plant conservation. This approach proved very successful and many countries in the developed world have now prepared such works. The Unit's book *Plants in Danger: What Do We Know?* (Davis *et al.*, 1986) summarised the state of knowledge about plant conservation issues country-by-country and showed what had been achieved.

In 1990, the Threatened Plants Unit moved from Kew to WCMC in Cambridge. At the same time, all the data were transferred to a different database system (*BG-BASE*, described in Appendix II), from which this list is directly produced. However, many of the entries on the list presented here are direct electronic descendants of the original index cards and hand-written species sheets gathered since the late 1960s. WCMC now maintains the Threatened Plants Database, with information continuing to be provided by a global network of botanists and institutions, and increasingly in electronic form.

## Data coverage and quality

This Red List includes records for 33,798 threatened or extinct species – roughly 12.5% of the world's total vascular plants – threatened on a global level. Despite this large figure, a data set such as this will always be incomplete, and the quality of data will vary considerably depending upon the region and taxonomic group under consideration. We can say with some confidence that data for North America, Australia, South Africa and Europe should prove to be reasonably robust. In addition several taxonomic groups (e.g. ferns, conifers, cycads, palms, cacti) have received particular attention and should provide a reasonably accurate picture.

We are aware that data, in particular for many parts of Africa, Asia, the Caribbean, and South America, are either patchy or lacking. This is true for both taxonomic as well as conservation data, as confirmed by a recent gap analysis study on the availability of botanical information for biodiversity conservation (Olson *et al.*, 1996). We therefore apologise for the gaps in the current list. However, by emphasising these areas of data deficiency we

hope that concerted efforts will be made in the near future to fill in these gaps to better understand the conservation status of plants in these biologically rich areas. However to do this we need stronger plant specialist networks and better ways of managing this massive amount of data. These will be developed under the Biodiversity Conservation Information System (BCIS) (see Global Red Lists – where next, p. xlvii).

Information provided in this Red List represents only a subset of the data held in the Threatened

Plants Database at WCMC. Particularly relevant additional data, not published here, include synonyms, common names, habit (tree, shrub, etc.), use, presence in protected areas and presence in cultivation (information maintained by Botanic Gardens Conservation International, a copy of which is periodically merged with the Threatened Plants Database).

# Organisation of information

The Red List is arranged by major taxa as seen in Table 1: fern allies, true ferns, gymnosperms (gnetophytes, conifers, *Ginkgo*, and cycads), and angiosperms (dicotyledons and monocotyledons). Within each of these major taxa, families and their respective genera and species are listed alphabetically. Following the taxonomic data list is a list of all relevant data sources, arranged numerically, and finally an index to the genera, families, and major taxa is included. For each family statistics are provided on the total number of genera, species and threatened taxa.

**Table 1**  
**Major taxa included in this Red List**

Fern allies	Lycopodiopsida
True ferns	Pteridopsida
Gymnosperms	Gnetopsida (gnetophytes) Pinopsida (conifers), Ginkopsida ( <i>Ginkgo</i> ) Cycadopsida (cycads)
Angiosperms	Magnoliopsida (dicotyledons) Liliopsida (monocotyledons)

This list is a global catalogue of those vascular plant taxa that have been assessed in some degree, and fall within the pre-1994 IUCN categories as globally threatened or extinct. Interpretation of the list and summary tables requires an understanding of the process involved in drawing up the list, an appreciation of how comprehensive the data may or may not be (especially where the gaps occur), and knowledge of how the data are managed. Each of these topics is taken up below.

## Names

Managing the taxonomy of a global dataset at the species and infraspecific level, with data provided from diverse sources over a period of more than two decades, presents many problems. The aim in managing the Threatened Plants Database has been to maintain a reasonably coherent taxonomy, sufficiently accurate for the purposes of plant conservation, within existing funding and time

constraints rather than a totally rigorous taxonomic check list. This lack of complete taxonomic and nomenclatural rigour will undoubtedly upset some readers, and it will result in some taxa either not being listed under their correct name, or listed under more than one name. Ensuring input from the relevant taxonomic experts is a major part of the work involved in managing the data and further advice on taxonomy is always welcome.

Where available, regional floras (particularly *Flora Europaea*, *Flora Mesoamericana* and *Flora Neotropica*) have been followed in preference to national floras. All plant name records imported electronically from TNC, Wildlife Australia, NBI and *Flora Europaea* were treated as taxonomically accepted (see Appendix II, Taxon information).

Despite the clear preference for following these regional authorities, plant names have of necessity been incorporated from an extensive range of sources, all of which are listed in the DATA SOURCES section following the main list. The data source(s) provided after each name is the source from which the particular plant name was first recorded in the database. No attempt has been made to list the original publication of the name.

Although the database allows users to track multiple common names (vernacular names, trade names, timber names, etc.) in different languages, these common names have been excluded from this list due to lack of space.

Genera and families follow *Vascular Plant Families and Genera* (Brummitt, 1992).

## Synonyms

Records considered to be synonyms are linked to the accepted name in the database, and have been suppressed from this list. Inevitably, some names not yet recorded on the database as synonyms will have been included in this list, so a taxon may, unfortunately, be included under more than one name.

## Authors

Authors of plant names – at both the species and infraspecific level – have been incorporated according to the source from which the name was obtained. Where possible, authors names have been

standardised according to Brummitt & Powell (1992). Please note, however, that due to limitations of time and staff resources, an author may well be cited in disparate ways throughout this list, and some authors are missing.

## Species vs. infraspecies

Plant names are recorded at the taxonomic level at which they are provided to WCMC, with data on subspecies or varieties held in addition to information at the species level. For example, *Wendlandiella gracilis* Dammer, *W. gracilis* Dammer var. *gracilis*, *W. gracilis* Dammer var. *polyclada* (Burret) Henderson, and *W. gracilis* Dammer var. *simplicifrons* (Burret) Henderson are all to be found on this list, as some information has come at the species level and other information at the infraspecific level. This of necessity complicates the list and occasionally results in inconsistent data sets, but we felt it best to present the data in a way that most closely represented the information provided to us. The taxonomic counts, both in the Red List itself and the data summary in this introduction, are for species (see p. xxvi).

Although this book covers only vascular plants, much work has been undertaken on non-vascular plants and fungi. All relevant data on nonvascular plants and on fungi available to WCMC have been omitted from this publication although have been incorporated into the Threatened Plants Database. There is a clear need to include global listings for these groups in future Red Lists.

## Conservation Status

Data on conservation status are presented in this list following the pre-1994 IUCN threat categories (Appendix I). These categories have been widely applied to thousands of taxa of plants and animals, referring to the conservation status of an organism in the wild.

The current list, using the pre-1994 IUCN Categories, is important as a baseline for future work, even as various groups of specialists are beginning to re-code plants using the 1994 IUCN Categories.

The IUCN Red List Categories system was revised in 1994 to incorporate quantitative criteria for each Category. These criteria can be consistently applied across all taxa, thus allowing meaningful comparisons of threat between species in different orders. The 1994 Red List Categories will be used in

future listings. Details of the pre-1994 and 1994 IUCN Red List Categories are given in Appendix I.

Finally, please note that as this list uses the pre-1994 system, not all “Endangered”, “Vulnerable” or “Rare” Categories are comparable between plant taxa. Given the huge variation in population dynamics, breeding strategies and life cycles exhibited by vascular plants – from a sedge to a monkey-puzzle tree – this is not surprising, but it must not be ignored by those trying to make global comparisons based on the statistics and information provided in this Red List.

## Sources of conservation status data

Data are presented in this list for both local (national and subnational) and global status. Data on national conservation status have been provided by a wide range of organisations and individuals throughout the world, with data sets relating to either a geographical area or a taxonomic group. Major sources have been national Red Data books or lists that have been produced by countries throughout the world. Data have also been provided by SSC Specialist Groups. In addition, a great deal of information has been supplied by individual botanists and conservationists. Often these workers have provided updated information or completely new information about taxa of conservation concern, and we hope to bring them into the SSC network.

A major portion of the list comes from electronic data sets from The Nature Conservancy (TNC), Wildlife Australia, National Botanical Institute (NBI), and *Flora Europaea*. This list therefore represents a mixture of various ‘official’ status reports as well as individual opinion; by referring to the data source it is possible to determine the source of virtually all data in this list.

WCMC’s role is essentially one of compiling the outputs of these distributed data sets, and assigning global threat categories based on the collective local threat status information. WCMC makes no value judgement during the process, other than validating, as far as possible, the source of the supplied national threat status data.

## Interpreting threat status

In many cases, national/subnational threat status is given in published national Red Data books or lists, with threat status given according to IUCN Categories. Where different schemes have been followed, every effort has been made by WCMC to



assign the appropriate IUCN threat category based on the definitions given by the data providers (see Appendix III). Where electronic data sets are concerned, detailed discussions have been held prior to the data being merged into the global database. Although the constraints of space in this volume prevent the display of these “non-IUCN” threat categories, they are maintained in the database.

### Interpreting and assigning the global threat status

The global threat status recorded for each taxon in the Threatened Plants Database is assigned at WCMC on the basis of the combined national/subnational data. For a taxon to be listed as globally threatened, information is needed on the local threat status throughout its natural range. Global threat status is assigned only once the full distribution for the taxon in question is known. A “lowest common denominator” approach is followed meaning, for example, that a species listed as Rare within part of its range but Endangered throughout the rest of its range, will be listed as Rare globally. A species listed as Endangered globally will be either Endangered or Extinct throughout its range, and so on.

Many taxa have had to be omitted from this Red List due to insufficient information on distribution and/or status, despite being listed as threatened at the national level in one or more countries. These records are available in the Threatened Plants Database, and it is hoped that these data, representing information for over 14,000 more taxa, will be evaluated in the future.

### Exceptions to assigning the global threat status

In some instances data provided to WCMC have given global rather than, or in addition to, national/subnational threat status. This is particularly true for large data sets that have been provided electronically, notably from The Nature Conservancy (data sources 20850 and 20883) and Wildlife Australia (data source 20681). If global but not local threat status has been provided, a local rank of Indeterminate has been assigned by WCMC.

### CITES listing

The Threatened Plants Database includes data concerning all taxa listed on CITES (Convention on International Trade in Endangered Species of Fauna and Flora) Appendices I and II current as of the ninth

meeting of the Conference of the Parties to CITES (WCMC, 1996). Two species, *Orothamus zeyheri* and *Protea odorata*, were downlisted from Appendix I to Appendix II at the 1997 tenth Conference of the Parties. CITES listing is at the level of species, genus or family, and records on the database are flagged at the appropriate taxonomic level. They are displayed in this list as indicated in the following table.

**Table 2**  
**Taxonomic levels of CITES listings displayed in this Red List**

Family	<u>I</u> or <u>II</u> (underlined)
Genus	<i>I</i> or <i>II</i> (italicised)
Species or infraspecies	I or II (normal type)

Note that not all taxa within genera and families that have blanket listings under CITES are shown in this list. Only those taxa that have been assessed and found to be threatened throughout their range are included.

### Distribution

Distribution information is recorded following the standard of Biological Recording Unit (BRU) (Hollis & Brummitt, 1992), endorsed as an international data standard by the Taxonomic Database Working Group. This standard provides a four-tier hierarchical scheme, ranging from near-continent (level 1) to larger countries and islands being subdivided into geopolitical areas (level 4). Wherever possible, we have tried to record distributional data at “level 4”, although in some cases data has had to be recorded at a higher level (for example, as “Indonesia” rather than “Kalimantan”). In total, the 238 countries recognised by ISO (ISO, 1993) are divided into 1004 BRUs at these four levels (see Table 3).

Data are recorded at the finest scale possible within the BRU scheme. For example, if data are provided on the threat status of a plant within individual states of Mexico, then this is the scale at which the data are recorded in the database. However, if data are only provided for a particular plant in Mexico as a whole, then the data can only be recorded in the database at the national level. This unavoidably leads to some inconsistencies and data sets that are not directly comparable, but as discussed under ‘Species vs. infraspecies’ above, we

feel that it is important to present the data with the most detail possible.

Since BRUs are geopolitically based, they do not cross national boundaries. All BRU units are linked to the appropriate ISO country code, allowing country-level queries to be made even though the data are often stored at a lower level. Some modifications have been made at WCMC to the

BRU scheme to take into account political changes since the standard was published.

There is also a free-text “geographic qualifier” available in the database, which appears in this list as bracketed information following the name of the BRU. This qualifier provides additional information about the distribution of the taxon within the BRU – for example, a mountain range. Please note

**Table 3**  
**BRUs (Biological Recording Units)<sup>1</sup>**

Level 1 Areas	Level 4 Areas
Europe	55 areas in 42 countries <sup>2</sup> , of which 7 are subdivided: Greece (2), Italy (3), Spain (2), Russia (6), Ukraine (2), France (2), and the United Kingdom (3).
Africa	76 areas in 59 countries, of which 11 are subdivided: Angola (2), Equatorial Guinea (3), Mauritius (2), Namibia (2), Portugal (3), Réunion (2), Seychelles (2), St Helena (2), São Tomé and Príncipe (2), South Africa (5), and Spain (3).
Asia – Temperate	90 areas in 35 countries, of which 6 are subdivided: China (27), Japan (2), Taiwan (3), Yemen (2), Georgia (4), and Russia (23).
Asia – Tropical	70 areas in 24 countries, of which 4 are subdivided: India (37), Indonesia (8), Malaysia (3), and Papua New Guinea (2).
Australasia	17 areas in 2 countries, both of which are subdivided: Australia (12) and New Zealand (5).
Pacific	40 areas in 26 countries, of which 6 are subdivided: Cook Islands (2), French Polynesia (4), Japan (3), Kiribati (3), Solomon Islands (2), and US islands (6).
Northern America	99 areas in 5 countries, of which 3 are subdivided: Canada (15), Mexico (30), and the United States (52).
Southern America	127 areas in 47 countries, of which 13 are subdivided: Argentina (23), Brazil (29), Chile (16), Colombia (3), Costa Rica (2), Ecuador (2), Guadaloupe (2), Honduras (2), Mexico (5), Nicaragua (2), Puerto Rico (2), Venezuela (3) and Netherlands Antilles (2).
Antarctic	12 areas in 8 countries, of which 2 are subdivided: Falkland Islands (3), and French Southern Territories (3).

<sup>1</sup> Hollis, S. and Brummitt, R.K. (1992).

<sup>2</sup> ISO Standard 3166 is used by Hollis and Brummitt to define political countries. The units in the ISO standard are countries, dependencies and other areas of special interest for purposes of international exchange, without indicating any expression of opinion whatever concerning the legal status of any country or territory or of its authorities or concerning the delimitation of its frontiers.

that this information is in many cases not comprehensive, and is not always from the BRU data source listed.

## Data sources

A critically important feature of the Threatened Plants Database is the linkage maintained between many data fields and their data sources. Considerable effort is made to ensure that the source of plant names, distribution and conservation status is tracked, ensuring that credit is given to the primary sources of data and that users can judge the validity of the data provided. A complete list of all the data sources used in the production of this Red List is included following the main list. Here over 2,000 of the 19,067 records in the data source file are listed, approximately 10,000 of which were published in the *World Plant Conservation Bibliography* (Anon, 1990).

The list of DATA SOURCES demonstrates the wide variety of sources of information drawn upon by WCMC in the development of the Threatened Plants Database. These include official Red Data Books, published floras and monographs, journal articles, electronic lists, annotations made by specialists to WCMC printouts, and personal communications. Please note that some of the information in this list dates from data sources that are 10–15 years old, and

updates to these particular records are clearly desirable. In this publication multiple data sources for the name are sometimes shown, thus allowing users to track multiple and/or conflicting data. However we have listed only one conservation status as the primary or current view, and have displayed the data that seem most appropriate.

The current practice while entering data into the database is to require the relevant data source number for all new plant names, distribution or threat data. However, prior to the 1990 adoption of *BG-BASE*, the practice was slightly different, and not all of these fields were mandatory. Although efforts have been made to fill in missing fields during the preparation of this list, time and resources have not permitted all missing data sources to be checked and updated from the original card index system.

## Statistics

Summary statistics are given in the list at the beginning of each family. These comprise an estimate of the number of genera and species in the family. These figures are derived from numerous sources with Brummitt (1992) and Cronquist (1981) being the main sources. The figure for recorded threatened species is calculated from the data as explained in the analysis. Please note that species recorded as Extinct are not included in this count.

# Analysis of the list

Estimates for the global number of vascular plant species commonly range from 250,000–270,000. In this book, analyses are made against the estimate of 270,000 thereby under- rather than over-estimating the figure for percent species threatened. Figures for the number of genera per family are mainly taken from Brummitt (1992) or from Cronquist (1981). Figures for number of species per genus and number of species per country are taken from a wide range of sources whose data sources were not able to be shown in this list. Undoubtedly, there may be other, equally or more valid, estimates for many of these figures.

## Species counts

The manipulation of any large data set such as this, which is a compilation of many other lists, is fraught with difficulty and requires careful interpretation. In particular the many differences of opinion as to what constitutes a species, subspecies, or variety in the plant kingdom make it difficult to decide which unit is most appropriate to present in summary tables.

Given the data included in the list, three options for providing summary counts are available. The first is to provide counts for all taxa listed (*taxa count*). This will provide a slight overestimate since some taxa are listed at both the specific and infraspecific level. The second option is to count only taxa listed at the specific level (*species count-low*), which will provide an underestimate, as

some taxa are only listed at the infraspecific level, and information was not available to assess the species as a whole. The third and middle option (*species count*) is to count as threatened all those taxa listed as threatened at the species level, plus all those species of which at least one component part (i.e. subspecies or variety) is listed as threatened. The results of the three different methods of counting are summarised in Table 4.

The difference between the highest and lowest estimates for total figures is 11.7%. Even the 'best' case scenario indicates that at least 11.5% (31,195 out of an estimated 270,000 species) of the world's vascular flora is under threat. However it must be recognised that irrespective of the figures used, the situation in reality is much worse due to the major gaps of knowledge about plants, from different regions or taxonomic groups, as well as a conservation point of view. This is particularly accentuated in the tropics.

In the tables that follow a breakdown by threat category for each country and for each family is given according to the **species count** figure.

## Geographic analysis

The number of threatened species recorded for each country, and the percentage this represents of their national flora, are given in Table 5. Note that a relatively high figure of threatened species for a

**Table 4**  
**Comparison of potential methods of counting threatened plants**

	Ex	Ex/E	E	V	R	I	Total (threatened and extinct)	% decrease from taxa count	% world flora threatened <sup>1</sup>
Taxa count	396	400	6,951	8,387	14,998	4,187	35,319	–	13.1%
Species count <sup>2</sup>	380	371	6,522	7,951	14,504	4,070	33,798	4.3	12.5%
Species count – low	368	348	6,100	7,309	13,276	3,794	31,195	11.7	11.5%

<sup>1</sup> Calculated against a world flora of 270,000.

<sup>2</sup> The figures used in geographical and country analyses below.

particular country may only reflect the effort that has been made by that country in collating data, while a low figure for another country may reflect that similar efforts have not yet been undertaken in that country. On the other hand, some countries clearly have greater conservation problems than others due to a variety of reasons.

It is of interest to note that the three countries providing complete electronic data sets are also listed as having the highest percentage of their national floras threatened.

**Table 5**  
**Globally threatened vascular plants: IUCN Category by country<sup>1</sup>**

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
Afghanistan			1	1	2		4	4,000	0.1
Albania	1	3	1		73	2	79	3,031	2.6
Algeria			31	22	80	8	141	3,164	4.5
American Samoa				1	8		9	471	1.9
Angola				2	13	15	30	5,185	0.6
Antigua & Barbuda			1		2		3	845	0.4
Argentina	3		61	31	136	19	247	9,372	2.6
Armenia						31	31		
Australia	71		246	630	1,366	3	2,245	15,638	14.4
Austria	1		1	1	20	1	23	3,100	0.7
Azerbaijan		1	1		2	24	28		
Bahamas		2		2	4	23	31	1,111	2.8
Bangladesh		1		21	1	1	24	5,000	0.5
Barbados			2				2	572	0.3
Belarus						1	1		
Belgium		1	1				2	1,550	0.1
Belize			5	9	37	6	57	2,894	2.0
Benin				2	1	1	4	2,201	0.2
Bermuda	3		5		5		10	167	6.0
Bhutan		1	1	6	10	5	23	5,468	0.4
Bolivia	1		90	38	88	11	227	17,367	1.3
Bosnia & Herzegovina	1			3	59	2	64		
Botswana					6	1	7	2,151	0.3
Brazil	5	10	406	280	596	66	1,358	56,215	2.4
British Indian Ocean Ter.						1	1	101	1.0

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
Brunei Darussalam				11	6	8	25	6,000	0.4
Bulgaria		1	1	14	84	6	106	3,572	3.0
CIS <sup>3</sup>	5		16	17	158	18	209	22,281	0.9
Cambodia			1	4			5		
Cameroon			2	34	17	36	89	8,260	1.1
Canada	2	3	58	110	106	1	278	3,270	8.5
Cape Verde				1			1	774	0.1
Cayman Islands		1	6	2	2	2	13	539	2.4
Central African Republic						1	1	3,602	0.0
Chad					12		12	1,600	0.8
Chile	6	1	102	107	107	12	329	5,284	6.2
China	2	1	86	108	102	15	312	32,200	1.0
Christmas Island		1	1	2	10	1	15	411	3.6
Colombia	3	1	208	137	294	72	712	51,220	1.4
Comoros			2	1		1	4	721	0.6
Congo				1	2		3	6,000	0.1
Cook Islands			9	2		1	12	284	4.2
Costa Rica	2	3	103	179	217	25	527	12,119	4.3
Côte d'Ivoire	2		14	56	9	15	94	3,660	2.6
Croatia				2	4		6	3,000	0.2
Cuba	23		330	319	163	76	888	6,522	13.6
Cyprus			9	13	23	6	51	1,682	3.0
Czechoslovakia (former) <sup>3</sup>	2		4	20	25	32	81	2,590	3.1
Denmark					2		2	1,450	0.1
Djibouti			1			1	2	641	0.3
Dominica			6	4	26	21	57	1,228	4.6
Dominican Republic			27	17	45	47	136	5,657	2.4
Ecuador	4		121	214	439	50	824	19,362	4.3
Egypt	2		19	8	45	10	82	2,076	3.9
El Salvador			7	12	18	5	42	2,911	1.4
Equatorial Guinea				3	8		11	3,250	0.3
Estonia			1			1	2		
Ethiopia		3	69	31	46	14	163	6,603	2.5

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
Falkland Islands			2		4		6	165	3.6
Fiji		7	18	25	22	2	74	1,518	4.9
Finland				1	4	1	6	1,102	0.5
France	7	3	21	81	83	7	195	4,630	4.2
French Guiana		1	15	15	67		98	5,625	1.7
French Polynesia	12		45	27	46	69	187	959	19.5
Gabon				6	40	45	91	6,651	1.4
Gambia					1		1	974	0.1
Georgia					2	27	29		
Germany	3		3	2	5	4	14	2,682	0.5
Ghana		1	30	63	5	4	103	3,725	2.8
Gibraltar				3	1		4		
Greece	6	1	28	80	430	32	571	4,992	11.4
Greenland				1	4		5	529	0.9
Grenada			1	1	6		8	1,068	0.7
Guadeloupe			5	5	13	3	26	1,400	1.9
Guam			7	2	4	5	18	330	5.5
Guatemala		4	42	74	165	70	355	8,681	4.1
Guinea				12	25	2	39	3,000	1.3
Guyana			27	26	99		152	6,409	2.4
Haiti		1	29	12	35	23	100	5,242	1.9
Honduras	1	2	16	23	40	15	96	5,680	1.7
Hong Kong			2	1	5	1	9	1,984	0.5
Hungary			3	7	16	4	30	2,214	1.4
Iceland					1		1	377	0.3
India	19	41	152	102	251	690	1,236	16,000	7.7
Indonesia	1	4	24	73	102	61	264	29,375	0.9
Iran					2		2	8,000	0.0
Ireland					1		1	950	0.1
Israel		2	7	7	13	3	32	2,317	1.4
Italy	1		29	80	190	12	311	5,599	5.6
Jamaica			142	220	334	48	744	3,308	22.5
Japan	5	3	63	171	435	35	707	5,565	12.7
Jordan			1	1	6	1	9	2,100	0.4
Kazakhstan		6			30	35	71		

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
Kenya		3	31	79	97	30	240	6,506	3.7
Kyrgyzstan				1	5	28	34		
Laos						2	2		
Lebanon	1		2		1	2	5	3,000	0.2
Lesotho			1	2	14	4	21	1,591	1.3
Liberia			3	20		2	25	2,200	1.1
Libya			4	18	30	5	57	1,825	3.1
Liechtenstein			1		1	1	3	1,410	0.2
Lithuania	1					1	1		
Luxembourg			1				1	1,246	0.1
Madagascar		19	91	57	85	54	306	9,505	3.2
Malawi			1	3	54	3	61	3,765	1.6
Malaysia	3	3	84	146	144	113	490	15,500	3.2
Mali			2	1	11	1	15	1,741	0.9
Malta	1			1	10	4	15	914	1.6
Martinique		4	8	7	19	6	44	1,287	3.4
Mauritania						3	3	1,100	0.3
Mauritius	47	6	118	72	96	2	294	750	39.2
Mexico	11	5	234	443	801	110	1,593	26,071	6.1
Micronesia			1	1	1	1	4	1,194	0.3
Moldova						2	3		
Mongolia							0	2,272	0.0
Montserrat			1		1		2	671	0.3
Morocco	1		3	3	157	23	186	3,675	5.1
Mozambique			5	8	58	18	89	5,692	1.6
Myanmar			3	7	14	8	32	7,000	0.5
Namibia			4	5	56	10	75	3,174	2.4
Nepal			2	5	10	3	20	6,973	0.3
Netherlands				1			1	1,221	0.1
Netherlands Antilles			1		1		2		
New Caledonia	5	5	160	214	91	10	480	3,322	14.4
New Zealand	7		42	42	115	12	211	2,382	8.9
Nicaragua		2	19	32	37	8	98	7,590	1.3
Nigeria			18	16	1	2	37	4,715	0.8
Niue				1			1	178	0.6
Norfolk Island	2		11	7	21	1	40	445	9.0



Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
North Korea					4		4	2,898	0.1
Northern Mariana Islands			5	1	2	3	11	315	3.5
Norway				3	9		12	1,715	0.7
Oman			2	13	1	14	30	1,204	2.5
Pakistan	2		2	2	5	5	14	4,950	0.3
Panama			602	420	217	63	1,302	9,915	13.1
Papua New Guinea			2	9	58	23	92	11,544	0.8
Paraguay			21	25	79	4	129	7,851	1.6
Peru	3	4	354	218	290	40	906	18,245	5.0
Philippines		4	5	60	47	244	360	8,931	4.0
Pitcairn			2	11		1	14	76	18.4
Poland	1	1	1	10	10	5	27	2,450	1.1
Portugal	2		46	113	98	12	269	5,050	5.3
Puerto Rico		4	97	71	40	11	223	2,493	8.9
Réunion	6	1	29	40	24	5	99	546	18.1
Romania			11	14	67	7	99	3,400	2.9
Russian Federation <sup>3</sup>	1	3	3	18	96	94	214		
St. Vincent & Grenadines			3		5	1	9	1,166	0.8
São Tomé & Príncipe		1		1	1		3	895	0.3
Saudi Arabia				5	1	1	7	2,028	0.3
Senegal					28	3	31	2,086	1.5
Seychelles		5	21	30	11	11	78	250	31.2
Sierra Leone			2	15	11	1	29	2,090	1.4
Singapore	1		4	7	8	10	29	2,168	1.3
Slovenia				2	11		13	3,175	0.4
Solomon Islands				3	33	6	42	3,172	1.3
Somalia			7	23	58	15	103	3,028	3.4
South Africa	53		226	368	1,264	357	2,215	23,420	9.5
South Korea	1		9	2	55		66	2,898	2.3
Spain	3	3	185	272	484	41	985	5,050	19.5
Sri Lanka	1	1	69	68	81	236	455	3,314	13.7
St Kitts & Nevis			3		1		4	659	0.6

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No.species	% threatened
St Lucia			5		1		6	1,028	0.6
St. Helena	11	3	22	2	27	14	68	165	41.2
St. Pierre & Miquelon				2	2	1	5		
Sudan			1	3	1	5	10	3,137	0.3
Suriname			13	10	79	1	103	5,018	2.1
Swaziland		1	9	9	17	6	42	2,715	1.5
Sweden				3	10		13	1,750	0.7
Switzerland	1		4		21	5	30	3,030	1.0
Syria	2		5		3		8	3,000	0.3
Taiwan			19	32	251	23	325	3,568	9.1
Tajikistan	1	3			2	45	50		
Tanzania	1		14	63	103	256	436	10,008	4.4
Thailand			27	21	33	304	385	11,625	3.3
Togo				4			4	2,201	0.2
Tonga				1	1		2	463	0.4
Trinidad & Tobago			2	3	5	11	21	2,259	0.9
Tunisia			1		18	5	24	2,196	1.1
Turkey	10	1	47	167	1,608	53	1,876	8,650	21.7
Turkmenistan		2			1	14	17		
Turks & Caicos Islands					2		2	448	0.4
USA	22	181	1,178	1,783	1,495	32	4,669	16,108	29.0
Uganda			2	8	3	2	15	5,406	0.3
Ukraine		1	7	2	14	28	52		
United Kingdom	1		1	3	14		18	1,623	1.1
Uruguay			9	2	4		15	2,278	0.7
Uzbekistan		3			3	35	41		
Vanuatu			3	1	20	2	26	870	3.0
Venezuela			135	65	212	14	426	21,073	2.0
Viet Nam		2	6	25	301	7	341	10,500	3.2
Virgin Islands (British)			4	3	6	1	14		
Virgin Islands (USA)		1	10	12	15	2	40		
Western Samoa					17	1	18	737	2.4
Yemen		1	33	28	55	32	149	1,650	9.0

Country	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No. species	% threatened
Yugoslavia (former) <sup>3</sup>	1		1	6	143	5	155	5,351	2.9
Zaire			2	5	67	4	78	11,007	0.7
Zambia			2		9	1	12	4,747	0.3
Zimbabwe			4	11	58	27	100	4,440	2.3

<sup>1</sup> "Country" in this table refers to either a country or subset of a country (e.g. an island dependency such as Réunion).

<sup>2</sup> Total number threatened includes Ex/E, E, V, R and I, but excludes Ex.

<sup>3</sup> Figures for the former Czechoslovakia, former USSR and former Yugoslavia have only been partially rationalised to bring them in line with current political boundaries.

**Table 6**  
**Countries<sup>1</sup> with at least 5% of their native species threatened**

Country <sup>1</sup>	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No. species	% threatened
St. Helena <sup>3</sup>	11	3	22	2	27	14	68	165	41.2
Mauritius	47	6	118	72	96	2	294	750	39.2
Seychelles		5	21	30	11	11	78	250	31.2
USA	22	181	1,178	1,783	1,495	32	4,669	16,108	29.0
Jamaica			142	220	334	48	744	3,308	22.5
Turkey	10	1	47	167	1,608	53	1,876	8,650	21.7
French Polynesia	12		45	27	46	69	187	959	19.5
Spain	3	3	185	272	484	41	985	5,050	19.5
Pitcairn			2	11		1	14	76	18.4
Réunion	6	1	29	40	24	5	99	546	18.1
Australia	71		246	630	1,366	3	2,245	15,638	14.4
New Caledonia	5	5	160	214	91	10	480	3,322	14.4
Sri Lanka	1	1	69	68	81	236	455	3,314	13.7
Cuba	23		330	319	163	76	888	6,522	13.6
Panama			602	420	217	63	1,302	9,915	13.1
Japan	5	3	63	171	435	35	707	5,565	12.7
Greece	6	1	28	80	430	32	571	4,992	11.4
South Africa	53		226	368	1,264	357	2,215	23,420	9.5
Taiwan			19	32	251	23	325	3,568	9.1
Yemen		1	33	28	55	32	149	1,650	9.0
New Zealand	7		42	42	115	12	211	2,382	8.9
Puerto Rico		4	97	71	40	11	223	2,493	8.9
Canada	2	3	58	110	106	1	278	3,270	8.5
India	19	41	152	102	251	690	1,236	16,000	7.7
Chile	6	1	102	107	107	12	329	5,284	6.2

Country <sup>1</sup>	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>2</sup>	No. species	% threatened
Mexico	11	5	234	443	801	110	1,593	26,071	6.1
Italy	1		29	80	190	12	311	5,599	5.6
Guam			7	2	4	5	18	330	5.5
Portugal	2		46	113	98	12	269	5,050	5.3
Morocco	1		3	3	157	23	186	3,675	5.1
Peru	3	4	354	218	290	40	906	18,245	5.0
Bermuda	3		5		5		10	167	6.0

<sup>1</sup> "Country" in this table refers to either a country or subset of a country (e.g. an island dependency such as Réunion).

<sup>2</sup> Total no. threatened includes Ex/E,E,V,R and I, but excludes Ex.

<sup>3</sup> St Helena comprises St Helena, Ascension Island and Tristan da Cunha Islands.

## Endemism and threat

Figures for threatened species endemism at the country or a sub-set of the country are given in Table 7. The vast majority (91%) of the plants listed in this book are recorded as single-country endemics. This is partly, but not entirely, due to the greater risks to survival that plants with a restricted range face, compared to risks faced by widely distributed species. The prominence on this list of island endemics is demonstrated by the inclusion of seven islands or island groups in the top ten areas listed according to percentage of its flora under threat: St. Helena, Mauritius, Seychelles, Jamaica, French Polynesia, Pitcairn, and Réunion (Table 6).

However Table 6 must be treated with care, as in cases where threatened species data are well-known (e.g. the USA, Australia, and South Africa), the more complete the information on threatened species, the greater percentage of the flora is known to be globally threatened. Therefore once more information is collected in South America, Africa, and Asia, it is highly likely that many other countries will have much more than 5% of their flora threatened at a global level.

In addition, while it would be expected that a high percentage of this list would constitute single-country endemics, the actual percentage of single-country endemics reported here is known to be artificially high due to the process of assigning

global threat status for the following reason: taxa are assigned a threatened global status, and therefore listed in this book, **only** if full distribution and conservation data are available. Due to this rigorous process, many species with populations that cross political boundaries which would otherwise seem appropriate for inclusion in this list have unfortunately had to be excluded due to incomplete distribution and conservation data. An example of such a species is *Swietenia mahagoni* (Mahogany), a widespread Caribbean species. Threatened by logging throughout its natural range, this species was listed on Appendix II of CITES in 1992. However as conservation status information for each of its range countries was not available, this species is not included in this list (although it will be included in future lists when the 1994 IUCN threat categories are used). An additional c. 14,000 taxa might well be listed if full conservation and distribution data of these taxa were known. These data are available in the Threatened Plants Database.

## Taxonomic analysis

In the Red List, statistics are given for each family of the number of species listed as threatened (excluding extinct species). A total of 372 families out of an estimated 511 families of vascular plants (Brummitt, 1992) contain globally extinct and/or threatened species (Table 8). Not surprisingly, the largest families contain the largest number of threatened species.

**Table 7**  
**Globally threatened taxa of vascular plants: IUCN Categories by country – level endemism <sup>1</sup>**

	Ex	Ex/E	E	V	R	I	Total No. (threatened and extinct)
Single country <sup>2</sup>	382	388	6,629	7,616	13,371	3,856	32,242
two countries	11	11	268	616	1,209	253	2,368
> two countries	3	1	54	155	418	78	709
<b>Total</b>	<b>396</b>	<b>400</b>	<b>6,951</b>	<b>8,387</b>	<b>14,988</b>	<b>4,187</b>	<b>35,319</b>

<sup>1</sup> This table can only be generated against the taxon count (see Table 4). The discrepancy between species and taxon count is 4.3%.

<sup>2</sup> "Country" in this table refers to either a country or subset of a country (e.g. an island dependency such as Réunion).

**Table 8**  
**Globally threatened taxa of vascular plants: IUCN Categories by major taxa and families**

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
<b>Fern allies</b>									
Isoetaceae	2		11	4	22	2	39	79	49.7
Lycopodiaceae	1		3	6	11	3	23	519	4.4
Psilotaceae			1		1		2	7	30.8
Selaginellaceae	1		3	5	9	6	23	713	3.2
<b>TOTAL</b>	<b>4</b>	<b>0</b>	<b>18</b>	<b>15</b>	<b>43</b>	<b>11</b>	<b>87</b>	<b>1,318</b>	<b>6.6</b>
<b>True ferns</b>									
Adiantaceae		1	6	4	16	11	38	712	5.3
Aspleniaceae		3	12	3	25	3	46	711	6.5
Blechnaceae			2	2	11	2	17	238	7.1
Cyatheaceae		1	10	36	100	55	202	623	32.4
Davalliaceae			1				1	130	0.8
Dennstaedtiaceae			1	1	9	4	15	486	3.1
Dicksoniaceae				3		1	4	41	9.8
Dryopteridaceae	2	5	12	10	41	7	75	464	16.2
Gleicheniaceae				1	3		4	140	2.9
Grammitidaceae			2	2	39	22	65	500	13.0
Hymenophyllaceae			4	4	18	1	27	600	4.5
Lomariopsidaceae			4	1	12		17	615	2.8
Loxsomataceae			1	1			2	4	50.0
Marattiaceae			3	1	6	1	11	204	5.4
Marsileaceae			3	2	1	2	8	67	11.9

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Oleandraceae				2			2	91	2.2
Ophioglossaceae			6	5	12		23	81	28.4
Osmundaceae				1		1	2	18	11.1
Parkeriaceae					1		1	4	25.0
Plagiogyriaceae					2		2	36	5.6
Polypodiaceae	1	1	3	6	12	4	26	1,068	2.4
Pteridaceae			3	3	8	5	19	259	7.3
Schizaeaceae				1	1	1	3	143	2.1
Thelypteridaceae	1		9	5	19	8	41	1,000	4.1
Vittariaceae					2		2	113	1.8
Woodsiaceae	1	2	3	3	17	5	30	705	4.3
<b>TOTAL</b>	<b>5</b>	<b>13</b>	<b>85</b>	<b>97</b>	<b>356</b>	<b>133</b>	<b>683</b>	<b>9,053</b>	<b>7.5</b>
<b>Gnetopsida (gnetophytes)</b>									
Ephedraceae						1	1	40	2.5
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>40</b>	<b>2.5</b>
<b>Pinopsida (conifers)</b>									
Araucariaceae			5	11	13	1	30	38	78.9
Cephalotaxaceae			1	3		1	5	7	71.4
Cupressaceae	1	1	17	19	21	6	64	130	49.2
Pinaceae			17	50	62	4	133	250	53.2
Podocarpaceae			5	28	33	4	70	125	56.0
Taxaceae			4	7	3	1	15	20	75.0
Taxodiaceae			2	4	4		10	16	62.5
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>51</b>	<b>122</b>	<b>136</b>	<b>17</b>	<b>327</b>	<b>586</b>	<b>55.8</b>
<b>Ginkopsida (ginkgo)</b>									
Ginkgoaceae						1	1	1	100.0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>
<b>Cycadopsida (cycads)</b>									
Cycadaceae	1		5	11	4		20	35	57.1
Stangeriaceae						1	1	1	100.0
Zamiaceae	2		39	50	36	3	128	144	88.9
<b>TOTAL</b>	<b>3</b>	<b>0</b>	<b>44</b>	<b>61</b>	<b>41</b>	<b>3</b>	<b>149</b>	<b>180</b>	<b>82.8</b>
<b>Dicotyledons</b>									
Acanthaceae	7	1	63	67	192	106	429	2,500	17.2
Aceraceae			2	2	7	3	14	112	12.5
Actinidiaceae			2	1	1	1	5	300	1.7
Aizoaceae	7		16	20	86	41	163	2,500	6.5
Alzateaceae						1	1	1	100.0

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Amaranthaceae	4	1	9	4	24	6	44	900	4.9
Anacardiaceae		1	12	19	39	15	86	600	14.3
Ancistrocladaceae			1	1			2	18	11.4
Anisophylleaceae					2		2	40	5.0
Annonaceae		2	24	36	91	59	212	2,300	9.2
Apocynaceae	5	1	33	31	70	14	149	2,000	7.5
Aquifoliaceae	1	1	6	4	18	8	37	370	10.0
Araliaceae			30	22	36	19	107	700	15.3
Aristolochiaceae			5	3	23	4	35	600	5.8
Asclepiadaceae	9	3	72	60	199	86	420	2,000	21.0
Balanopaceae					1		1	9	11.1
Balanophoraceae			1	1	3		5	45	11.1
Balsaminaceae	1	3	5		12	49	69	450	15.3
Basellaceae			1	1	3		5	18	28.6
Begoniaceae	1	1	14	8	28	13	64	1,020	6.3
Berberidaceae			5	12	15	11	43	650	6.6
Betulaceae			2	1	8	2	13	125	10.4
Bignoniaceae			34	43	73	5	155	800	19.4
Bombacaceae			11	3	7	3	24	200	12.0
Boraginaceae	8	6	43	82	211	36	378	2,000	18.9
Bretschneideraceae					1		1	1	100.0
Brunelliaceae			29	19	9		57	62	91.9
Bruniaceae	4		3	2	8	4	17	75	22.7
Buddlejaceae				2	10	2	14	150	9.3
Burseraceae			9	9	58	4	80	600	13.3
Buxaceae			4	8	4	5	21	60	35.0
Cactaceae	6	1	89	173	253	65	581	1,500	38.7
Callitrichaceae			1	3	1		5	35	14.3
Calycanthaceae			1	1	1		3	5	60.0
Calyceraceae					1		1	60	1.7
Campanulaceae	5	22	103	62	200	41	428	2,000	21.4
Canellaceae			1	1	3	2	7	20	35.0
Capparaceae		1	9	11	19	10	50	800	6.3
Caprifoliaceae			3	9	19	1	32	400	8.0
Caricaceae			1	3	4		8	30	26.7
Caryocaraceae			4	2	5		11	23	47.8
Caryophyllaceae	2	7	67	87	304	55	520	2,000	26.0
Casuarinaceae			4	6	4		14	50	28.0
Cecropiaceae			15	12	14		41	276	14.9
Celastraceae	1	3	25	15	28	22	93	800	11.6
Ceratophyllaceae						1	1	6	16.7

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Chenopodiaceae	1		15	30	37	6	88	1,500	58.7
Chloranthaceae			4	7	8	1	20	75	26.7
Chrysobalanaceae			80	54	86	5	225	450	50.0
Cistaceae			16	8	15	4	43	200	21.5
Clethraceae				1	2	1	4	65	6.2
Cochlospermaceae				1	1		2	15	13.3
Columelliaceae				1			1	4	25.0
Combretaceae			6	8	53	6	73	400	18.3
Compositae	21	23	475	606	1,258	191	2,553	20,000	12.8
Connaraceae			18	6	21	6	51	350	14.6
Convolvulaceae	2	1	26	31	50	26	134	1,500	8.9
Cornaceae			2	2	5		9	100	9.0
Corylaceae			2	3	4	1	10	22	45.5
Corynocarpaceae					1		1	5	20.0
Crassulaceae	4	1	31	42	137	16	227	900	25.2
Crossosomataceae			2		2		4	10	40.0
Cruciferae	10	6	126	196	383	36	747	3,000	24.9
Crypteroniaceae				1			1	7	14.3
Cucurbitaceae	1	1	11	7	34	21	74	700	10.6
Cunoniaceae		1	1	13	10		25	350	7.1
Cyrillaceae				2			2	14	14.3
Daphniphyllaceae				1	1		2	35	5.7
Datisceae				1			1	4	25.0
Davidsoniaceae			1				1	1	100.0
Degeneriaceae					1		1	1	100.0
Diapensiaceae				3	2		5	18	27.8
Dichapetalaceae			17	10	11	7	45	235	19.1
Didiereaceae					3		3	11	27.3
Dilleniaceae			7	4	14	5	30	350	8.6
Dioncophyllaceae						1	1	3	33.3
Dipsacaceae		1	3	8	40	10	62	260	23.8
Dipterocarpaceae		7	30	70	23	65	195	600	32.5
Droseraceae			2	4	7	1	14	100	14.0
Ebenaceae			15	38	12	16	81	450	18.0
Elaeagnaceae			1	3	5		9	50	18.0
Elaeocarpaceae			4	9	29	2	44	400	11.0
Elatinaceae				1	4		5	40	12.5
Epacridaceae	3		7	14	38	1	60	400	15.0
Eremolepidaceae				1			1	12	8.3
Ericaceae	7		127	142	205	35	509	3,500	14.5
Erythroxylaceae	1	1	22	18	20	8	69	200	34.5



Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Escalloniaceae			2	3	8	2	15	170	8.8
Eucommiaceae					1		1	1	100.0
Eucryphiaceae					1		1	6	16.7
Euphorbiaceae	11	4	192	263	318	156	933	7,500	12.4
Fagaceae		1	13	21	36	25	96	800	12.0
Flacourtiaceae		1	67	46	70	12	196	800	24.5
Fouquieriaceae				1	2	2	5	11	45.5
Frankeniaceae	3		1	1	4		6	80	7.5
Geissolomataceae					1		1	1	100.0
Gentianaceae			16	21	60	14	111	1,000	11.1
Geraniaceae		1	13	11	50	10	85	700	12.1
Gesneriaceae		10	57	53	79	66	265	2,500	10.6
Globulariaceae			3	1	5		9	300	3.0
Goetzeaceae			1				1	7	14.3
Gomortegaceae			1				1	1	100.0
Goodeniaceae	1		3	11	18	1	33	300	11.0
Greyiaceae					1		1	3	33.3
Grossulariaceae	1		4	6	4	3	17	180	9.4
Grubbiaceae					1		1	3	33.3
Gunneraceae			2	1	1	1	5	50	10.0
Guttiferae			16	31	78	27	152	1,200	12.7
Gyrostemonaceae	1			1			1	17	5.9
Halophytaceae						1	1	1	100.0
Haloragaceae	1		6	5	12	3	26	100	26.0
Hamamelidaceae			3		17	2	22	100	22.0
Hernandiaceae	1		4		5	2	11	60	18.3
Hippocastanaceae				1			1	16	6.3
Hoplestigmataceae						1	1	2	50.0
Humiriaceae				1	3		4	50	8.0
Hydnoraceae			1				1	10	10.0
Hydrangeaceae				10	6	2	18	170	10.6
Hydrophyllaceae	2		14	30	38		82	250	32.8
Icacinaceae			8	10	10	5	33	400	8.3
Idiospermaceae					1		1	1	100.0
Illecebraceae			4	10	32	3	49	117	41.9
Illiciaceae			1	1	1		3	40	7.5
Ixonanthaceae				1			1	30	3.3
Juglandaceae			3	4	4	1	12	60	20.0
Krameriaceae				1	2		3	15	20.0
Labiatae	9	25	100	132	432	44	733	3,200	22.9
Lacistemataceae			1	2	4		7	20	35.0

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Lactoridaceae				1			1	1	100.0
Lardizabalaceae					3	2	5	30	16.7
Lauraceae	1		65	57	105	32	259	2,000	13.0
Lecythidaceae			54	39	49		142	400	35.5
Leaceae					2	3	5	70	7.1
Leguminosae	22	14	392	506	1,063	231	2,206	13,100	16.8
Leitneriaceae					1		1	1	100.0
Lennoaceae					2		2	5	44.4
Lentibulariaceae			2	5	7	10	24	200	12.0
Limnanthaceae			2	3	3		8	11	72.7
Linaceae			9	10	27	2	48	220	21.8
Loasaceae	1		5	13	7		25	200	12.5
Loganiaceae	1		10	11	9	7	37	500	7.4
Loranthaceae	2	2	12	7	14	5	40	700	5.7
Lythraceae			6	6	36	9	57	500	11.4
Magnoliaceae	1		13	10	15	5	43	220	19.5
Malesherbiaceae			1		3		4	25	16.0
Malpighiaceae			36	34	30	9	109	1,200	9.1
Malvaceae	3	13	53	44	102	21	233	1,250	18.6
Marcgraviaceae			1	1	3		5	100	5.0
Medusagynaceae			1				1	1	100.0
Medusandraceae						1	1	1	100.0
Melastomataceae		4	99	84	228	72	487	4,000	12.2
Meliaceae			29	34	39	7	109	550	19.8
Meliantaceae				1		1	2	22	9.1
Meliosmaceae			6	3	6	1	16	27	59.3
Menispermaceae	1		9	2	9	18	38	400	9.5
Menyanthaceae			1	1	3	1	6	33	18.5
Molluginaceae			3	4	4	1	12	100	12.0
Monimiaceae			5	5	13		23	450	5.1
Montiniaceae			1				1	3	33.3
Moraceae		3	30	23	38	16	110	1,000	11.0
Morinaceae					1	1	2	13	15.4
Moringaceae					1	1	2	10	20.0
Myoporaceae	1		7	12	12	1	32	125	25.6
Myricaceae			1	1	3		5	50	10.0
Myristicaceae			7	6	3	3	19	300	6.3
Myrsinaceae	1	1	30	48	50	62	191	1,000	19.1
Myrtaceae	4	5	147	218	326	51	747	3,000	24.9
Nepenthaceae		1	3	5	6	4	19	75	25.3
Nesogenaceae	1	1	1			1	3	7	42.9

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Nyctaginaceae	1	1	15	13	18	2	49	300	16.3
Nymphaeaceae				3	1		4	50	8.0
Ochnaceae	1		5	3	6	1	15	400	3.8
Olaceae			18	11	25	5	59	250	23.6
Oleaceae			16	17	18	19	70	600	11.7
Oliniaceae						2	2	8	25.0
Onagraceae	2	1	20	36	61	1	119	675	17.6
Opiliaceae					1		1	50	2.0
Oxalidaceae			1	11	12	7	31	900	3.4
Paeoniaceae			1	4	3	3	11	30	36.7
Papaveraceae			10	18	48	8	84	200	42.0
Parnassiaceae					2	1	3	16	18.8
Passifloraceae	1		14	6	18	10	48	650	7.4
Pedaliaceae			1		2		3	80	3.8
Pellicieraceae						1	1	1	100.0
Penaeaceae			1	3	10		14	20	70.0
Pentaphragmataceae					1	1	2	30	6.7
Phytolaccaceae			1	2	2		5	125	4.0
Piperaceae	3	2	83	15	50	12	162	1,700	9.5
Pittosporaceae	1		12	12	9	3	36	200	18.0
Plantaginaceae			7	9	14	3	33	254	13.0
Plumbaginaceae	3	1	34	55	80	10	180	400	45.0
Podostemaceae			8	4	3	5	20	200	10.0
Polemoniaceae		1	17	42	42		102	300	34.0
Polygalaceae		1	13	22	35	21	92	750	12.3
Polygonaceae		3	43	81	87	14	228	1,000	22.8
Portulacaceae			15	12	25		52	500	10.4
Primulaceae		2	16	25	45	24	112	1,000	11.2
Proteaceae	5	1	73	91	183	5	353	1,000	35.3
Quiinaceae			2	2	2		6	40	15.0
Rafflesiaceae			1	2	5	1	9	50	18.0
Ranunculaceae	2	2	38	82	143	29	294	2,000	14.7
Resedaceae					14	1	15	70	21.4
Rhabdodendraceae			1				1	3	33.3
Rhamnaceae		2	28	54	78	9	171	900	19.0
Rhizophoraceae		1	5	3	2	1	12	100	12.0
Rhoipteleaceae					1		1	1	100.0
Rhynchoalycaceae				1			1	1	100.0
Roridulaceae					1		1	2	50.0
Rosaceae	2	22	82	119	156	40	419	3,000	14.0
Rubiaceae	22	13	223	275	369	240	1,120	6,500	17.2

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Rutaceae	10	9	95	91	163	24	382	1,500	25.5
Sabiaceae					2	1	3	30	10.0
Salicaceae			2	18	19	2	41	340	12.1
Santalaceae	4		6	11	16	2	35	400	8.8
Sapindaceae	2	1	38	35	64	6	144	1,500	9.6
Sapotaceae		2	126	75	135	23	361	800	45.1
Sarraceniaceae				1	4		5	15	33.3
Saxifragaceae	1	1	6	29	60	6	102	588	17.4
Schisandraceae					1	2	3	50	6.0
Scrophulariaceae	8	13	160	259	478	59	969	4,000	24.2
Scytopetalaceae				1	2		3	20	15.0
Simaroubaceae			1	11	8	1	21	150	14.0
Solanaceae	5	3	41	71	72	31	218	2,800	7.8
Sphenostemonaceae						1	1	7	14.3
Stachyuraceae				1			1	6	18.2
Stackhousiaceae					2		2	23	8.9
Staphyleaceae					2	1	3	50	6.0
Sterculiaceae	7	1	24	27	32	22	106	1,000	10.6
Stilbaceae					1		1	12	8.3
Stylidiaceae			2	2	5		9	155	5.8
Styracaceae			4	3	5	2	14	150	9.3
Surianaceae					1		1	6	16.7
Symplocaceae			6	10	23	4	43	350	12.3
Tamaricaceae				1	3		4	100	4.0
Theaceae		1	16	12	27	17	73	600	12.2
Theligonaceae					1		1	3	33.3
Theophrastaceae			5	8	5	3	21	100	21.0
Thymelaeaceae	1	3	13	16	32	8	72	500	14.4
Tiliaceae		1	4	3	15	4	27	450	6.0
Tovariaceae				1			1	2	50.0
Trapaceae				1			1	15	6.7
Tremandraceae	2		3	4	2		9	28	32.1
Trigoniaceae			7	5	5		17	26	65.4
Trimeniaceae			1				1	5	20.0
Tropaeolaceae			1		3		4	92	4.3
Turneraceae			2	1	4	1	8	120	6.7
Ulmaceae			7	7	4		18	150	12.0
Umbelliferae	3	8	56	98	238	70	470	3,000	15.7
Urticaceae	2	2	32	35	40	8	117	700	16.7
Vahliaceae					1		1	5	20.0
Valerianaceae			1	3	23	4	31	300	10.3

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Verbenaceae	1	3	22	27	40	30	122	2,600	4.7
Violaceae	1	1	31	20	44	14	110	800	13.8
Viscaceae	1		11	6	6	16	39	350	11.1
Vitaceae			6	4	14	12	36	700	5.1
Vochysiaceae			1	1		1	3	200	1.5
Winteraceae			2	4	5		11	100	11.0
Zygophyllaceae	1		2		10	1	13	250	5.2
<b>TOTAL</b>	<b>272</b>	<b>284</b>	<b>4,925</b>	<b>6,000</b>	<b>11,335</b>	<b>2,980</b>	<b>25,524</b>	<b>167,224</b>	<b>15.3</b>
<b>Monocotyledons</b>									
Agavaceae			13	14	35	6	68	380	17.9
Alismataceae			2	2	6		10	75	13.3
Alliaceae	1	4	19	40	86	15	164	832	19.7
Aloaceae			36	65	84	21	206	700	29.4
Alstroemeriaceae			3		1	1	5	152	3.3
Amaryllidaceae	7		38	42	79	17	176	700	25.1
Anthericaceae			4	4	11	3	22	481	4.6
Aponogetonaceae			1	2	3	1	7	40	17.5
Araceae	3		27	65	59	72	223	1,800	12.4
Asparagaceae			2	1	6	4	13	55	23.6
Asphodelaceae	1	2	5	6	27	8	48	319	15.0
Asteliaceae			3	2	4		9	34	26.5
Blandfordiaceae					1		1	4	25.0
Bromeliaceae	1		277	111	76	16	480	2,000	24.0
Burmanniaceae		5		1	3	5	14	130	10.8
Calectasiaceae				1			1	1	100.0
Cannaceae				1			1	50	2.0
Centrolepidaceae			1	2	3		6	35	17.1
Colchicaceae			3	11	19	1	34	106	32.1
Commelinaceae	1		3	6	10	10	29	700	4.1
Convallariaceae		1	1	7	12	4	25	172	14.5
Costaceae			1	8	8		17	150	11.3
Cyanastraceae						1	1	6	16.7
Cyclanthaceae			2		2	2	6	180	3.3
Cyperaceae	5	4	54	62	115	45	280	4,000	7.0
Dioscoreaceae	1		28	20	15	9	72	630	11.4
Dracaenaceae	1		4	14	2		20	156	12.8
Eriocaulaceae	4	2	11	15	22	13	63	1,200	5.3
Eriospermaceae					35	1	36	90	40.0
Gramineae	17	8	139	141	358	130	776	8,000	9.7
Haemodoraceae			1	11	3		15	100	15.0
Heliconiaceae			14	14	15		43	100	43.0

Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>1</sup>	Total no. species	% threatened
Hostaceae			1	1	2		4	40	10.0
Hyacinthaceae	3		19	21	77	17	134	654	20.5
Hydatellaceae	1			1	1		2	7	28.6
Hydrocharitaceae		1	1	4	6	2	14	100	14.0
Hypoxidaceae			1	1	2	2	6	142	4.2
Iridaceae	9	3	90	70	276	45	484	1,500	32.3
Juncaceae			2	5	11	4	22	300	7.3
Juncaginaceae				1			1	20	5.0
Lemnaceae					1	2	3	31	9.7
Liliaceae	6	1	27	42	62	17	149	460	32.4
Limncharitaceae					3		3	10	31.6
Lomandraceae				1	5		6	42	14.3
Lowiaceae					1		1	6	16.7
Marantaceae			5	1	1	4	11	400	2.8
Melanthiaceae			4	4	8	1	17	146	11.6
Musaceae	1			1	1		2	42	4.8
Orchidaceae	21	16	325	529	646	263	1,779	30,000	5.9
Palmae	2	25	204	258	262	120	869	3,000	29.0
Pandanaceae	7		6	10	16	9	41	732	5.6
Philydraceae					1		1	5	20.0
Phormiaceae					3	1	4	36	11.1
Pontederiaceae					1		1	30	3.3
Potamogetonaceae			5	1	3		9	100	9.0
Restionaceae	1		5	19	27	7	58	400	14.5
Ruscaceae				2	2		4	8	50.0
Smilacaceae				3	7	1	11	330	3.3
Stemonaceae				1	1		2	30	6.7
Strelitziaceae					1	1	2	7	28.6
Tecophilaeaceae	1				3		3	42	7.1
Trilliaceae			2	2	11	1	16	52	30.8
Triuridaceae			2	1	4	4	11	70	15.7
Velloziaceae			1		1	3	5	250	2.0
Xanthorrhoeaceae				2	1		3	15	20.0
Xyridaceae			3	3	12	1	19	200	9.5
Zannichelliaceae					1		1	8	13.3
Zingiberaceae	1	1	4	4	31	36	76	1,000	7.6
Zosteraceae					1		1	18	5.6
<b>TOTAL</b>	<b>95</b>	<b>73</b>	<b>1,399</b>	<b>1,656</b>	<b>2,592</b>	<b>926</b>	<b>6,646</b>	<b>63,611</b>	<b>10.4</b>
<b>GRAND TOTAL</b>	<b>380</b>	<b>371</b>	<b>6,522</b>	<b>7,951</b>	<b>14,505</b>	<b>4,070</b>	<b>33,418</b>	<b>242,013</b>	<b>13.8</b>

<sup>1</sup> Total number threatened includes EX/E, E, V, R and I but excludes Ex.

**Table 9****Vascular plant families listed with at least 50% of their species threatened<sup>1</sup>**

Taxon <sup>2</sup>	Family	Ex	Ex/E	E	V	R	I	Total no. threatened <sup>3</sup>	No. species	% threatened
D	Brunelliaceae			29	19	9		57	62	91.9
G4	Zamiaceae	2		39	50	36	3	128	144	88.9
G2	Araucariaceae			5	11	13	1	30	38	78.9
G2	Taxaceae			4	7	3	1	15	20	75.0
D	Limnanthaceae			2	3	3		8	11	72.7
G2	Cephalotaxaceae			1	3		1	5	7	71.4
D	Penaeaceae			1	3	10		14	20	70.0
D	Trigoniaceae			7	5	5		17	26	65.4
G2	Taxodiaceae			2	4	4		10	16	62.5
D	Calycanthaceae			1	1	1		3	5	60.0
D	Meliosmaceae			6	3	6	1	16	27	59.3
G4	Cycadaceae	1		5	11	4		20	35	57.1
G2	Podocarpaceae			5	28	33	4	70	125	56.0
G2	Pinaceae			17	50	62	4	133	250	53.2
D	Chrysobalanaceae			80	54	86	5	225	450	50.0
D	Hoplostigmataceae						1	1	2	50.0
F	Loxsomataceae			1	1			2	4	50.0
D	Roridulaceae					1		1	2	50.0
M	Ruscaceae				2	2		4	8	50.0
D	Tovariaceae				1			1	2	50.0

<sup>1</sup> Excluding monotypic families: Alzataceae, Bretschneideraceae, Calectasiaceae, Davidsoniaceae, Degeneriaceae, Eucommiaceae, Geissolomataceae, Ginkgoaceae, Gomortegaceae, Halopytaceae, Idiospermeaceae, Lactoridaceae, Leitneriaceae, Medusagynaceae, Medusandraceae, Pellicieraceae, Rhoipteleaceae, Rhynchocalycaceae, Stangeriaceae.

<sup>2</sup> Major taxa: D: Dicotyledons; F: Ferns; G2 Pinopsida; G4 Cycadopsida; M Monocotyledons.

<sup>3</sup> Total number threatened includes Ex/E, E, V, R and I but excludes Ex.

**Table 10****Number of families and genera containing globally threatened vascular plants for each IUCN Red List Category**

	World Total	Ex	Ex/E	E	V	R	I	Total <sup>1</sup>
Families	511 <sup>2</sup>	103	89	267	289	326	235	369
Genera	21,900 <sup>3</sup>	297	227	2,146	2,459	3,532	1,612	5,555

<sup>1</sup> Total figures are not simply summations of Ex, Ex/E, E, V, R and I, but the total number of families or genera listed which contain threatened species.

<sup>2</sup> Brummitt (1992).

<sup>3</sup> Approximate figure – mainly following Cronquist (1981).

It is interesting to note which families have the highest percentage of threatened species. Excluding nineteen monotypic families with one threatened species (and therefore 100% threatened), 20 families are listed with at least 50% of their species threatened (see Table 9). Of these, eight are gymnosperms. The prominence of the gymnosperms may be due to the fact that they are a well-known and relatively small group, and substantial effort has been made to assess their conservation status. At the same time, the gymnosperms include many species that are widely exploited both for timber and horticultural purposes, which has led to decreasing populations. Also, gymnosperms are an ancient group of species, and may not be adapting well to the rapidly changing times that we live in. In contrast, the ferns as a group appear to face relatively low levels of threat. This may be due in part to the fact that fern spores travel relatively easily with the result that many species are widely distributed. At the same time, many fern species have not been included due to incomplete conservation assessments and complicated taxonomic issues.

Threatened species are distributed throughout the plant kingdom. Table 10 shows the number of

families and genera which contain threatened taxa, by IUCN category. Families not represented on this list (*c.* 42 families) are mostly very small, comprising less than ten species. Thus it can be clearly stated that about a quarter of the estimated number of genera of vascular plants contain threatened taxa.

## Plant extinctions

One surprising figure in this book is the relatively low number of species which are recorded as having become Extinct in the wild: 380 species, plus 371 species listed as Ex/E (see Table 8). Given the often quoted predictions in the popular and scientific press of extremely high extinction rates, the numbers in this book will seem very low. While this may in part be due to lack of data and the fact that plant extinctions have only been recently recorded, at the same time it may be that we are still at the brink of a far more serious wave of extinction. The grim statistic that at least 6,522 species are Endangered, and that these are likely to join the Extinct list in the near future, should be taken as a warning that the situation will get far worse unless vastly increased conservation action is taken now.



# Global Red Lists – where next?

Throughout the history of the Threatened Plants Database, datasets have been provided, either as hard copy, or more recently in electronic format, in support of plant conservation initiatives worldwide. By putting data on nationally threatened plants into a global context, regional *in situ* and *ex situ* conservation needs become more apparent. These demand a range of solutions, from the development of protected areas systems (IUCN, 1992) to safeguard whole populations, to the development of cultivation techniques for plants that are already extinct in the wild. Increasingly, botanic garden living collection policies focus on plants of conservation importance (IUCN & BGCS, 1989). In many cases, the living collections of botanic gardens contain large numbers of threatened and extinct species. The Royal Botanic Garden Edinburgh for example has 1387 such taxa alive in its collections (Walter *et al.*, 1995). In addition, botanic gardens are now undertaking activities that bridge the gap between *in situ* and *ex situ* conservation, with the living collections being used as source material for reintroduction programmes (Atkinson *et al.*, 1995; Bramwell, 1991).

The large demand for the data needed to underpin these activities made provision of information in book format a clear objective, in particular to ensure the data are accessible to as many people as possible. Also, by publishing the information in this book, a record of what is known in 1997 is provided, a view that will inevitably become quickly outdated as

further conservation information is gathered and as conservation activities take place.

The 1997 IUCN Red List of Threatened Plants provides a snapshot of the Threatened Plants Database maintained by WCMC as it stood on 22 May 1997. Global databases must be kept constantly updated so as to make new knowledge accessible as rapidly as possible.

Data continue to be incorporated at WCMC on a daily basis, to keep pace with the data produced world wide. A joint WCMC/SSC project on the conservation and sustainable use of trees will include the production of a world list of threatened trees following the 1994 IUCN Categories of threat (see Appendix I). Work is also underway in many SSC Specialist Groups to update the threat category of their respective taxa. New and active members of these Groups are always welcome, and should contact the SSC Plants Officer at IUCN. Funding permitting, a global list of threatened plants following the 1994 IUCN Categories will be produced. This will provide an important component of the Biodiversity Conservation Information System (BCIS), a consortium of organisations including IUCN and WCMC whose mission includes the provision of data to support environmentally sound decision-making and actions affecting the status of biodiversity.



# Appendix I

## IUCN Red List Categories

The 1997 IUCN Red List of Threatened Plants is based on the pre-1994 IUCN Categories, drawn up by the IUCN Species Survival Commission. These have since been revised (IUCN, 1994). Subsequent listings will be made using the 1994 Categories and criteria. Details of both systems are given below.

### IUCN Red List Categories as used in this List (pre-1994)

#### **EXTINCT (Ex)**

Taxa not definitely located in the wild during the past 50 years.

#### **EXTINCT/ENDANGERED (Ex/E)**

Taxa that are suspected of having recently become Extinct.

#### **ENDANGERED (E)**

Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating. Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction. Also included are taxa that may be extinct but have definitely been seen in the wild in the past 50 years.

#### **VULNERABLE (V)**

Taxa believed likely to move into the 'Endangered' category in the near future if the causal factors continue operating. Included are taxa of which most or all the populations are decreasing because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security has not yet been assured; and taxa with populations that are still abundant but are under threat from severe adverse factors throughout their range.

#### **RARE (R)**

Taxa with small world populations that are not at present 'Endangered' or 'Vulnerable', but are at risk. These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

#### **INDETERMINATE (I)**

Taxa that are known to be Endangered, Vulnerable or Rare but where there is not enough information to say which of the three categories is appropriate.

The word 'threatened' has no official definition within the IUCN Red List Categories; it is generally understood, however, to include taxa that are Endangered, Vulnerable, Rare or Indeterminate. It should not be confused with the use of the same term by the U.S. Fish and Wildlife Service, and in other countries, where it has a legal definition.

Additional categories recorded in the Threatened Plants Database, but excluded from this list, comprise: nt (not threatened), ? (no information), O (out of danger), K (insufficiently known).

### 1994 IUCN Red List Categories

#### **EXTINCT (EX)**

A taxon is Extinct when there is no reasonable doubt that the last individual has died.

#### **EXTINCT IN THE WILD (EW)**

A taxon is Extinct in the wild when it is known only to survive in cultivation, in captivity or as a naturalised population (or populations) well outside the past range. A taxon is presumed Extinct in the Wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.

#### **CRITICALLY ENDANGERED (CR)**

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as defined by any of the criteria (A to E) on pages I and II.

#### **ENDANGERED (EN)**

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the criteria (A to E) on page II.

### **VULNERABLE (VU)**

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future, as defined by any of the criteria (A to E) on page lii.

### **LOWER RISK (LR)**

A taxon is Lower Risk when it has been evaluated, does not satisfy the criteria for any of the categories Critically Endangered, Endangered or Vulnerable. Taxa included in the Lower Risk category can be separated into three subcategories:

1. **Conservation Dependent (cd).** Taxa which are the focus of a continuing taxon-specific or habitat-specific conservation programme targeted towards the taxon in question, the cessation of which would result in the taxon qualifying for one of the threatened categories above within a period of five years.
2. **Near Threatened (nt).** Taxa which do not qualify for Conservation Dependent, but which are close to qualifying for Vulnerable.
3. **Least Concern (lc).** Taxa which do not qualify for Conservation Dependent or Near Threatened.

### **DATA DEFICIENT (DD)**

A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat or Lower Risk. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate. It is important to make positive use of whatever data are available. In many cases great care should be exercised in choosing between DD and threatened status. If the range of a taxon is suspected to be relatively circumscribed, if a considerable period of time has elapsed since the last record of the taxon, threatened status may well be justified.

### **NOT EVALUATED (NE)**

A taxon is Not Evaluated when it has not yet been assessed against the criteria.

## **THE CRITERIA FOR CRITICALLY ENDANGERED, ENDANGERED AND VULNERABLE**

### **CRITICALLY ENDANGERED (CR)**

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as defined by any of the following criteria (A to E):

#### **A) Population reduction in the form of either of the following:**

1. An observed, estimated, inferred or suspected reduction of at least 80% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:
  - a) direct observation
  - b) an index of abundance appropriate for the taxon
  - c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
  - d) actual or potential levels of exploitation
  - e) the effects of introduced taxa, hybridisation, pathogens, pollutants, competitors or parasites.
2. A reduction of at least 80%, projected or suspected to be met within the next 10 years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

#### **B) Extent of occurrence estimated to be less than 100km<sup>2</sup> or area of occupancy estimated to be less than 10km<sup>2</sup>, and estimates indicating any two of the following:**

1. Severely fragmented or known to exist at only a single location.
2. Continuing decline, observed, inferred or projected, in any of the following
  - a) extent of occurrence
  - b) area of occupancy
  - c) area, extent and/or quality of habitat
  - d) number of locations or sub-populations
  - e) number of mature individuals.

3. Extreme fluctuations in any of the following:
    - a) extent of occurrence
    - b) area of occupancy
    - c) number of locations or subpopulations
    - d) number of mature individuals.
  - C) Population estimated to number less than 250 mature individuals and either:**
    1. An estimated continuing decline of at least 25% within three years or one generation, whichever is longer or
    2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:
      - a) severely fragmented (i.e. No sub-population estimated to contain more than 50 mature individuals)
      - b) all individuals are in a single sub-population.
  - D) Population estimated to number less than 50 mature individuals.**
  - E) Quantitative analysis showing the probability of extinction in the wild is at least 50% within 10 years or three generations, whichever is the longer.**
2. A reduction of at least 50%, projected or suspected to be met within the next 10 years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d), or (e) above.
    - B) Extent of occurrence estimated to be less than 5000km<sup>2</sup> or area of occupancy estimated to be less than 500km<sup>2</sup>, and estimates indicating any two of the following:**
      1. Severely fragmented or known to exist at no more than five locations.
      2. Continuing decline, inferred, observed or projected, in any of the following:
        - a) extent of occurrence
        - b) area of occupancy
        - c) area, extent and/or quality of habitat
        - d) number of locations or sub-populations
        - e) number of mature individuals.
      3. Extreme fluctuations in any of the following:
        - a) extent of occurrence
        - b) area of occupancy
        - c) number of locations or sub-populations
        - d) number of mature individuals.

**ENDANGERED (EN)**

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the following criteria (A to E):

- A) Population reduction in the form of either of the following:**
  1. An observed, estimated, inferred or suspected reduction of at least 50% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:
    - a) direct observation
    - b) an index of abundance appropriate for the taxon
    - c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
    - d) actual or potential levels of exploitation
    - e) the effects of introduced taxa, hybridisation, pathogens, pollutants, competitors or parasites.
- C) Population estimated to number less than 2500 mature individuals and either:**
  1. An estimated continuing decline of at least 20% within five years or two generations, whichever is longer, or
  2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:
    - a) severely fragmented (i.e. No sub-population estimated to contain more than 250 mature individuals)
    - b) all individuals are in a single sub-population.
- D) Population estimated to number less than 250 mature individuals.**
- E) Quantitative analysis showing the probability of extinction in the wild is at least 10% within 100 years.**

## VULNERABLE (VU)

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future, as defined by any of the following criteria (A to E):

### A) Population reduction in the form of either of the following:

1. An observed, estimated, inferred or suspected reduction of at least 20% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:
  - a) direct observation
  - b) an index of abundance appropriate for the taxon
  - c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
  - d) actual or potential levels of exploitation
  - e) the effects of introduced taxa, hybridisation, pathogens, pollutants, competitors or parasites.
2. A reduction of at least 20%, projected or suspected to be met within the next ten years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

### B) Extent of occurrence estimated to be less than 20,000km<sup>2</sup> or area of occupancy estimated to be less than 2000km<sup>2</sup>, and estimates indicating any two of the following:

1. Severely fragmented or known to exist at no more than ten locations.
2. Continuing decline, inferred, observed or projected, in any of the following:
  - a) extent of occurrence
  - b) area of occupancy
  - c) area, extent and/or quality of habitat
  - d) number of locations or subpopulations
  - e) number of mature individuals
3. Extreme fluctuations in any of the following:
  - a) extent of occurrence
  - b) area of occupancy
  - c) number of locations or subpopulations

d) number of mature individuals

### C) Population estimated to number less than 10,000 mature individuals and either:

1. An estimated continuing decline of at least 10% within 10 years or three generations, whichever is longer, or
2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:
  - a) severely fragmented (i.e. no sub-population estimated to contain more than 1000 mature individuals)
  - b) all individuals are in a single sub-population

### D) Population very small or restricted in the form of either of the following:

1. Population estimated to number less than 1000 mature individuals.
2. Population is characterised by an acute restriction in its area of occupancy (typically less than 100km<sup>2</sup>) or in the number of locations (typically less than five). Such a taxon would thus be prone to the effects of human activities (or stochastic events whose impact is increased by human activities) within a very short period of time in an unforeseeable future, and is thus capable of becoming Critically Endangered or even Extinct in a very short period.

### E) Quantitative analysis showing the probability of extinction in the wild is at least 10% within 100 years.

1. Population estimated to number less than 1000 mature individuals.
2. Population is characterised by an acute restriction in its area of occupancy (typically less than 100km<sup>2</sup>) or in the number of locations (typically less than five). Such a taxon would thus be prone to the effects of human activities (or stochastic events whose impact is increased by human activities) within a very short period of time in an unforeseeable future, and is thus capable of becoming Critically Endangered or even Extinct in a very short period.

# Appendix II

## Threatened Plants Database management

Plant data are managed at WCMC using *BG-BASE*, a variable-length field, relational database management system built using Advanced Revelation, and widely adopted by botanical institutions throughout the world. The database is externally dynamic with over 100 changes and additions made per day; all records are date-stamped and initialled so that changes to records can be easily tracked. Full-word, partial-word, and phonetic searches are available to streamline data entry and retrieval.

Managing plant data on a global scale is a complex task, especially given the range of diverse uses that the database serves at WCMC, for instance, production of the plant data are found in the *Checklist of CITES Species* (WCMC, 1996) and *World Plant Bibliography* (Anon, 1990). Therefore, the database management system used is large and incorporates many more features than would be necessary simply to produce this list. For maximum efficiency, *BG-BASE* data are managed in a series of database tables (or files) whose constituent records are related to one another through shared fields. *BG-BASE* has over 4,200 fields spread across approximately 200 database files, of which WCMC uses a relatively small percentage. The major *BG-BASE* tables used by WCMC are shown below.

### Bibliographic information

When plant information is received by WCMC, the first step taken is to create a data source record in the DS table (19,076 records) for that information. These data source records are mostly books, journal articles, proceedings, and other published work, but they can also be conversations, and annotations made to WCMC lists, etc. The location of each data source is coded so that it may be found quickly; full citation details can be output as camera-ready bibliographies. The key field in this table is DS. NUM, the number shown throughout this book and in the DATA SOURCES section following the main list.

### Taxon information

The Threatened Plants Database already contains information on nearly half of all known vascular plants. When "new" taxa are added, a record is

created in the NAMES table, which handles information on the scientific name, common names, and languages and synonymy. Accepted names and synonyms are linked and indexed together so that any name searched for, automatically brings up all relevant records.

If the nomenclatural and taxonomic status of a name has not been verified, the name is coded as "unchecked" (note such names have **not** been suppressed from this List). Information about the taxon's habit (tree, shrub, herbaceous, etc.) and uses (timber, wild crop relative, etc.) is also collected where possible. Selections of data from the NAMES table are periodically downloaded to BGCI allowing conservation audits of botanic gardens world-wide to be undertaken, an example of which is given in the Utrecht University catalogue of plant collections (Wollenberg *et al.*, 1992). Further tables allow inventory data for protected areas to be stored (Murray *et al.*, 1992).

Each NAMES record is linked to a record in the GENERA table, where records are in turn linked to the FAMILIES table. CITES information is stored in all three of these tables, as appropriate, depending on what taxonomic level is listed.

### Distribution information

For each area of the world in which a plant is said to occur, a separate record is created in the DISTRIBUTIONS table. These records, besides holding pointers to the name of the plant and the name of the area (stored in the BRUs table), contain information on the geographic area to which the plant may be restricted, the data source for the distribution information, the conservation status (IUCN category and the status as given if the data source is not using IUCN Categories), and the data source for this conservation information. Other fields which exist but which are relatively infrequently used by WCMC include: number of individuals and/or populations of the taxon known to exist in the area, date(s) when the taxon was last seen in the area, threat(s) to the taxon in the area, legal status of the taxon in the area, presence in conservation areas, and habitats occupied by this taxon. Other fields used include Occurrence and Introduced flags, as specified in the POSS (Plant

Occurrence Status Scheme) adopted by TDWG (Threatened Plants Unit, *in press*). All introduced records have been suppressed from this list.

[www.rbge.org.uk/bgbase](http://www.rbge.org.uk/bgbase). Examples of database records that were excluded from this list are shown in Table 12.

Further details on the structure of *BG-BASE* can be found on the Internet at <http://>

**Table 11**  
**Major tables used in the Threatened Plants Database**

Table	No. records	Table contents
NAMES	139,719	Information on scientific names of species and infraspecies (broken into 30 fields in order to be compatible with standards for storing scientific names of both naturally occurring and cultivated plants, see Walter <i>et al.</i> , 1995), data source(s) for name, status of the name (accepted, invalid, orthographic variant, synonym, pro parte synonym, sensu synonym, not found in literature, tentatively accepted name, unchecked names), synonymy (multiple alternate names/synonyms can be linked to an accepted name), data source for the synonymy, vernacular names (as many as necessary, including language and data source), global IUCN conservation status, TNC global rank, presence on CITES Appendices (if listed at the species or infraspecies level), habit (tree, shrub, vine/liana, herbaceous, succulent etc.), use, and a flag for complete/incomplete distribution. By links to the GENERA table, full upper-level taxonomic information is available to each NAMES record. There are index links from the DISTRIBUTIONS table that allow instant queries on all distributions of a taxon.
DISTRIBUTIONS	191,100	Information on distribution (at BRU level 3 or 4, see Table 3), free-text area qualifier specifying area(s) in the BRU to which the taxon is restricted, introduced flag, occurrence flag, data source for distribution information, flag for existence of a distribution map in that data source, local threat status, data source for threat status, status as given (for storing non-IUCN threat status categories), numbers of individuals and/or populations known of this taxon in this BRU, date taxon was last seen in this BRU, threats to the taxon in this BRU, legal status of this taxon in this BRU, protected areas within this BRU in which the taxon occurs (linked to the WCMC Protected Areas database of 40,000 records), habitat types occupied by this taxon in this BRU, and general data sources concerning this taxon in this BRU.
DATA SOURCES	19,076	Information on the published and unpublished sources of information for data in all other tables; fields include type of data source (book, journal article, chapter in book, unpublished, etc.), author(s), publication date(s), title, subtitle, journal name, volume, number, pages, publisher, place of publication, citation notes, location of reference, language of reference and of abstract, relevance codes, countries mentioned, families mentioned, genera mentioned, species mentioned, abstract, accuracy of citation, and access type. Bibliographies published from this include Anon. (1990) and Atkinson <i>et al.</i> , (1995).
GENERA	27,101	Information on all genera of vascular plants and many non-vascular plants; fields include genus, author, family placement (link to FAMILIES table), synonymy, status of the name (as under NAMES above), presence on CITES Appendices (if listed at the generic level).
FAMILIES	956	Family statistics (number of genera, number of species, number of threatened species), as well as global range are also stored here. Information on all vascular plant families and many non-vascular families; fields include family, preferred name (for family pairs such as Asteraceae/Compositae), major taxon, synonymy, vernacular name, number of species, number of genera, distribution, and phylogenetic placement according to various systems of classification.



Table	No. records	Table contents
COUNTRIES	243	Information on all countries of the world, including international abbreviation (see ISO, 1993). English name, official name, synonyms, land area, size of flora (numbers of pteridophytes, gymnosperms, angiosperms, and vascular plants, along with corresponding data sources), number and percent of endemic plant species along with corresponding data sources. Although <i>BG-BASE</i> does not code distributions at the country level, country-level queries can be done through calculations automatically performed by the BRUS table.
BRUs	1076	Information on all Biological Recording Units (see Table 3) including fields for level (1–4), level 1–4 codes and names (for tracking hierarchical nesting), BRU name, political name, English name, French name, German name, Spanish name, keyword (for spelling variants), land area, latitude/longitude, sorting order (for sorting the distributions under a taxon in this List). There are index links from the DISTRIBUTIONS table that allow instant queries for all taxa within a BRU.

**Table 12 Type of data records suppressed from the Red List**

Type of data suppressed	Rationale
Fungi and non-vascular plants	The amount and quality of the data for fungi and non-vascular plants groups such as bryophytes and lichens in the Threatened Plants Database, while substantial, are not yet adequate to give a reasonable global overview.
Synonyms, unpublished, invalid, and doubtful names	Lack of space prevents the inclusion of synonyms in this list.
Taxa lacking threat status in one or more countries	Since WCMC does not assign a global threat category to plants without knowing the category within each area where the plant is native, such information cannot be included in this list. <b>Special exceptions:</b> Data provided by TNC (data sources 20850 and 20883), flagged as globally threatened, but with a ? at the national level have been treated as a special case, and are included (see Appendix III).
Taxa for which complete distribution is not known	Since WCMC does not assign a global threat status until the full distribution of a taxon has been ascertained, taxa for which a complete distribution is not yet available cannot be included. c.14,000 additional records may have appeared as part of this book if this rule had been relaxed.
Distribution records where the taxon was introduced or assumed to be introduced	WCMC holds data on introduced as well as native plants; however, such introduced plants fall outside the scope of the IUCN Red Data Book categories used in this List, and were therefore suppressed.



# Appendix III

## The Nature Conservancy and Wildlife Australia status ranks

### Interpretation of The Nature Conservancy status ranks

The single largest outside data set contributed to this project derived from The Nature Conservancy (USA), which provided status and distribution data for approximately 11,000 globally threatened plants of the United States, Canada, and Latin America (TNC, 1996a; TNC, 1996b). The conservation status of each plant was assessed using the ranking system developed by TNC and its collaborators in the Natural Heritage and Conservation Data Center Network. Since these TNC status ranks were developed independently of and differ from the IUCN threat categories used in this publication, a conversion protocol was developed for their translation to IUCN Categories and incorporation into this publication.

Over the past twenty years TNC has helped establish a network of Natural Heritage Programs and Conservation Data Centers based in more than 85 state and national agencies and private organisations throughout the western hemisphere. Consistent methods for the assessment and documentation of species status have been developed for use in the biodiversity inventory and information management activities of these centres. These conservation status ranks provide an approximation of the risk of extinction for a particular taxon. As indicated in Table 13 below, rarity, as measured by number and size of populations or occurrences, is a principal extinction risk factor used in assessing status, but other criteria also considered include breadth of overall distribution, known population trends, and known and inferred threats (Master, 1991). The TNC conservation status ranking system follows a one-through-five scale, ranging from critically imperilled (G1) to demonstrably secure (G5); extinct or possibly extinct species are tracked independently (Stein *et al.*, 1995; Stein & Chipley, 1996). This one-through-five ranking is applied at global (i.e., range-wide), national, and sub-national (i.e., state or provincial) levels, indicated by the prefix G, N, or S.

Assigning status ranks is a collaborative effort shared by TNC and the Natural Heritage Programs (NHP) and Conservation Data Centers (CDC). In general, sub-national and national status is assessed and documented by the relevant state or national data centre; with assessment of global status co-ordinated by TNC based on national and sub-national ranks and other information. While ranks are developed in a decentralised network arrangement, a summary of the current global, national, and sub-national ranks is maintained by TNC in the Natural Heritage Central Database (NHCD) at its Arlington, Virginia headquarters.

Information sources used by TNC, NHP, and CDC biologists to assess species status include herbarium collections, published reports in the scientific literature, other documented sightings, targeted field inventories, and population censuses. Distribution data in the NHCD derive from a variety of sources. For the United States and Canada, much of the state and province-level distribution data have been developed by the Biota of North America Program of the North Carolina Botanical Garden. For Latin America, major sources for national and province-level distribution data include the *Flora Neotropica* monograph series, and electronic databases of the Missouri Botanical Garden.

To contribute to this publication, the NHCD was queried for all plant taxa with global ranks of G3 (globally vulnerable) or rarer. National and sub-national distributions and status ranks for these 11,000 taxa were then output for transfer to WCMC and incorporation into its Threatened Plants Database. Within the NHCD, the rank of a particular taxon maybe expressed as a range (e.g., G2G3), indicating uncertainty about the plant's conservation status; for this publication, such "range ranks" were converted to a single rank value according to an algorithm developed for this purpose. The original TNC ranks were stored in *BG-BASE*, and the TNC ranks were then converted by WCMC to the IUCN threat categories used in this publication according to the protocol described in Table 13.

**Table 13**  
**Conversion of TNC ranks to IUCN Categories**

TNC category <sup>1234</sup>	Definition	IUCN equivalent
GX, NX, SX	presumed extinct (not located despite extensive searches)	Ex
GH, NH, SH	historical occurrence (still some hope of discovery)	Ex/E
G1, N1, S1	critically imperilled (typically five or fewer occurrences or 1,000 or fewer individuals)	E
G2, N2, S2	imperilled (typically six to twenty occurrences or 1,000–3,000 individuals)	V
G3, N3, S3	vulnerable (rare; typically 21 to 100 occurrences or 3,000 to 10,000 individuals)	R
NR, SR N?, S?	Recorded within nation or state, but local status not available; when combined with global rank of G1 to G3, local status is given in this book as Indeterminate	I
G4, N4, S4	Apparently secure (uncommon but not rare; some cause for long-term concern, usually more than 100 occurrences and 10,000 individuals)	(not transferred)
G5, N5, S5	Secure (common, widespread and abundant)	(not transferred)

<sup>1</sup>“G” codes refer to rankings made at the global level; “N” codes refer to rankings made at a national level; and “S” codes refer to rankings made at the sub-regional level (US state, Canadian province, or similar units).

<sup>2</sup> See Stein *et al.*, 1995; Stein and Chipley, 1996.

<sup>3</sup> TNC ranks of 4 and 5 generally do not imply priorities for conservation concern, and do not correspond to any of the IUCN threatened categories (see Appendix III); therefore, they were not included in this data transfer.

<sup>4</sup> TNC ranks of NE are excluded from this list. These indicate exotic plants.

## Interpretation of Wildlife Australia status ranks

Data for approximately 5,000 taxa of Australian native plants (of a total national vascular flora of c. 18,000–20,000) were compiled for a revision of *Rare or Threatened Australian Plants – ROTAP* (Briggs & Leigh, 1996). The list included a number of undescribed taxa for which it was possible to assign a conservation ranking, but these have been omitted from this publication. However, their inclusion in ROTAP as a conservation tool for Australia is essential as many of these may be under imminent threat and deserve as much attention as do described taxa.

The national list of Australian plants at risk was first compiled in 1981 for the Australian National Parks and Wildlife Service. Revisions of that list

were published in 1988 and 1996. Rare or Threatened Australian Plants (ROTAP) had no legal status, but the early editions were the only nationally recognised threatened plants list at that time. In 1993 the Australian and New Zealand Environment and Conservation Council (ANZECC) issued a list, based on ROTAP, that was endorsed by all of Australia’s state and territory conservation agencies. In 1992 the Commonwealth of Australia proclaimed the Endangered Species Protection Act and a schedule to the Act included a version of ROTAP and the ANZECC plants list.

In 1996 responsibility for maintenance of the national list of threatened plants was taken by the Threatened Species and Communities Section of Wildlife Australia, within the federal environment department. Details of threatened Australian plants will be compiled as the National Threatened Flora Database and will be endorsed by ANZECC

agencies. Whilst this list will have no legal status it will be used as a basis for entries to the schedules of the Endangered Species Protection Act.

ROTAP uses a binary coding system developed and refined over several years but based on the IUCN Categories used in this List. While the ROTAP codes X, E, V, R, and K use definitions close to those of the IUCN Categories, the ROTAP system uses other indicators to supply additional information to users of the list. For example, the ROTAP code for *Dawinia collina* is 2VCit. This indicates that this plant is Vulnerable (V), that its geographic range is less than 100km (2), that there is at least one population reserved in a national park or other protected area (C), that fewer than 1,000 plants

are known to occur within the reserve (i) and that the total known population is conserved (t). A full discussion of these terms may be found in Briggs & Leigh (1996). In this Red List only the 'top level' codes for Australian taxa are used.

It should be noted that each of Australia's states and territories compiles lists of threatened taxa based on state boundaries. These state lists are used in the compilation of the national ROTAP list. Thus, a plant that grows in more than one state may be classed as Endangered in one state and Vulnerable in another state, but on a national assessment the plant may be rated Vulnerable. Within the Australian context the state and national lists are complementary.



# References

- Anon. 1990. *World Plant Conservation Bibliography*. Compiled by Royal Botanic Gardens, Kew and Threatened Plants Unit, World Conservation Monitoring Centre. 645pp.
- Atkinson, P., Maunder, M. & Walter, K.S. 1995. *A reference list for plant re-introductions, recovery plans and restoration programmes*. Royal Botanic Gardens, Kew. 36pp. (also available electronically: <http://www.rbgekew.org.uk/conservation>).
- Bramwell, D. 1991. Botanic gardens in conservation: reintroduction into the wild. Pp. 209–216 in Heywood, V.H. and Wyse Jackson, P.S. (Eds.). *Tropical Botanic Gardens. Their Role in Conservation and Development*. San Diego: Academic Press.
- Briggs, J. & Leigh, J. 1996. *Rare or Threatened Australian Plants*. CSIRO, Melbourne. 466pp.
- Brummitt, R.K. (comp.). 1992. *Vascular Plant Families and Genera*. A listing of the genera of vascular plants of the world according to their families, as recognised in the Kew Herbarium, with an analysis of relationships of the flowering plant families according to eight systems of classification. Royal Botanic Gardens, Kew. 804pp.
- Brummitt, R.K. & Powell, C.E. (eds.). 1992. *Authors of Plant Names*. A list of authors of scientific names of Plants, with recommended standard forms of their names, including abbreviations. Royal Botanic Gardens, Kew. 732pp.
- Collar, N.J. 1996. The reasons for Red Data Books. *Oryx* 30 (2): 121–130.
- Cronquist, A. 1981. *An Integrated System of Classification of Flowering Plants*. Columbia University Press, New York. 1262pp.
- Davis, S., Droop, S., Gregerson, P., Henson, L., Leon, C., Villa-Lobos, J., Syngé, H. & Zantovska, J. (1986). *Plants in Danger. What Do We Know?* International Union for Conservation of Nature and Natural Resources, Gland, Switzerland & Cambridge, UK. 461pp.
- Falk, D.A. & Holsinger, K.E. 1991. *Genetics and Conservation of Rare Plants*. Center for Plant Conservation. Oxford University Press, Oxford, UK. 283pp.
- Falk, D.A., Olwell, M. & Millar, C. 1996. *Restoring Diversity*. Island Press. Columbia, USA. 505pp.
- Frankel, O.H., Brown, A.H.D. & Burdon, J.J. 1995. *The Conservation of Plant Biodiversity*. Cambridge University Press, Cambridge, UK. 299pp.
- Gaston, K.J. (ed). 1996. *Biodiversity: a Biology of Numbers and Difference*. Blackwell Science Ltd., Oxford, UK. 396pp.
- Groombridge, B. (ed.). 1992. *Global Biodiversity: Status of the Earth's Living Resources*. Compiled by the World Conservation Monitoring Centre. Chapman & Hall, London. 594pp.
- Harper, J.L. & Hawksworth D.L. 1994. Biodiversity: measurement and estimation. *Phil. Trans. Roy. Soc. Lond. B.* 345: 5–12.
- Heywood, V. (ed.). 1995. *Global Biodiversity Assessment*. Published for the United Nations Environment Programme. Cambridge University Press, Cambridge, UK. 1140pp.
- Hilton-Taylor, C. 1996. *Red Data List of Southern African Plants*. National Botanical Institute, Pretoria, South Africa. 117pp.
- Hollis, S. & Brummitt, R.K (eds). 1992. *World Geographical Scheme for Recording Plant Distributions. Plant Taxonomic Database Standards No. 2*. Hunt Institute for Botanical Documentation, Pittsburgh. 105pp.
- ISO. 1993, with amendments. *Codes for the Representation of Names of Countries*. International Standards Organization. ISO 3166. Maintenance Agency Secretariat, Berlin. 60pp.
- IUCN. 1992. *Protected Areas of the World: A Review of National Systems*. Vols. 1–4. IUCN, Gland, Switzerland and Cambridge, UK.
- IUCN. 1994. *IUCN Red List Categories*. As Approved by the 40th Meeting of the IUCN Council. IUCN Gland, Switzerland. 22pp.
- IUCN. 1996. *IUCN Red List of Threatened Animals*. IUCN, Gland, Switzerland. 368pp.
- IUCN & BGCS, 1989. *The Botanic Gardens Conservation Strategy*. WWF & IUCN, Gland, Switzerland. 60pp.

- IUCN, UNEP & WWF. 1991. *Caring for the Earth. A Strategy for Sustainable Living*. Gland, Switzerland. 228pp.
- Lucas, G. & Synge, H. 1978. *The IUCN Plant Red Data Book*. IUCN, Switzerland. 540pp.
- Master, L.L. 1991. Assessing threats and setting priorities for conservation. *Conservation Biology* 5:559–563.
- Murray, M.G., Green, M.J.B. & Walter, K.S. 1992. Status of Plant and Animal Inventories for Protected Areas in the Tropics. A Contribution to the ODA Strategy Programme for Research on Forestry and Agroforestry Implemented by the Oxford Forestry Institute under its Forestry Research Programme. WCMC, Cambridge, UK. 106pp. (unpublished)
- Olson, D. Dinerstein, E., Castro, G. and Maravi, E. (eds.) 1996. *Identifying gaps in botanical information for Biodiversity Conservation in Latin America and the Caribbean*. Proceedings of a workshop on April 7–9, 1996 in Washington, DC and consultations with regional experts. WWF Washington DC, USA.
- Scott, P., Burton, J.A. and Fitter, R. 1987. Red Data Books: the historical background. Pp.1–5 in Fitter, R. and Fitter, M. (eds.). *The Road to Extinction*. IUCN, Gland, Switzerland.
- Stein, B.A., Master, L.L., Morse, L.E., Kutner, L.S. & Morrison, M. 1995. Status of US Species: Setting Conservation Priorities. Pp. 399–400 in E.T. LaRoe, G.S. Farris, C.E. Puckett, P.D. Doran, & Mac, M. (eds.) *Our Living Resources*. A Report to the Nation on the Distribution, Abundance, and Health of US Plants, Animals, and Ecosystems. US Dept. of the Interior – National Biological Service, Washington, DC.
- Stein, B.A. & Chipley, R.M. (eds.). 1996. *Priorities for Conservation: 1996 Annual Report Card for U.S. Plant and Animal Species*. The Nature Conservancy, Arlington, Virginia, USA. 18pp.
- Threatened Plants Committee Secretariat. 1981. *How to Use the IUCN Red Data Book Categories*. Threatened Plants Committee, Kew, UK. 9pp.
- Threatened Plants Unit. In press. Plant Occurrence and Status Scheme (POSS). A standard for recording the relationship between a plant and a place. Gillett, H.J., Leon, C., Mackinder, D., Rooney, P., Synge, H., and Walter, K.S (eds.). Plant Taxonomic Database Standard XX, International Working Group on Taxonomic Databases for Plant Sciences. 26pp. (also available electronically: <http://www.wcmc.org.uk/poss>).
- TNC. 1996a. Natural Heritage Central Database. (Status and distribution data on North American plants, developed in collaboration with the Association for Biodiversity Information, U.S. and Canadian Natural Heritage Programs and Conservation Data Centers, and North Carolina Botanical Garden Biota of North America Program.)
- TNC. 1996b. Natural Heritage Central Database. (Status and distribution data on Latin American plants, developed in collaboration with Latin American Conservation Data Centers and Missouri Botanical Garden).
- Walter, K.S., et al. 1995. *Catalogue of Plants Growing at the Royal Botanic Garden Edinburgh*. Royal Botanic Garden Edinburgh, Edinburgh, UK. 477pp.
- WCMC. 1996. *Checklist of CITES Species*. A Reference to the Appendices to the Convention on International Trade in Endangered Species of Wild Fauna and Flora. CITES Secretariat and World Conservation Monitoring Centre, Geneva, Switzerland and Cambridge, UK. 400pp.
- Wollenberg, B.J.W. van den, Tolsma, J., Vos, J., Lukkien, V.P.A., & Oudijk, A. (eds.). 1992. *Utrecht University Catalogue of Plant Collections*. Botanic Gardens, Utrecht, The Netherlands, 548pp.
- WWF & IUCN. 1994–7. *Centres of Plant Diversity. A Guide and Strategy for Their Conservation*. 3 volumes. IUCN Publications Unit, Cambridge, UK.



**1997 IUCN Red List of  
Threatened  
Plants**

# Navigating the list

This Red List provides data on globally threatened vascular plants, arranged in the following order:

- |             |                                |
|-------------|--------------------------------|
| Fern allies | • Lycopodiopsida               |
| True ferns  | • Pteridopsida                 |
| Gymnosperms | • Ginkopsida ( <i>Ginkgo</i> ) |
|             | • Cycadopsida (cycads)         |
|             | • Gnetopsida (gnetophytes)     |
|             | • Pinopsida (conifers),        |
| Angiosperms | • Magnoliopsida (dicotyledons) |
|             | • Liliopsida (monocotyledons)  |

Within each of these major taxa, families are listed alphabetically.

## Example of a record

[with corresponding description]

### Cycadopsida

[Major taxon]

### Zamiaceae

[Family]

Number of genera: 8

Number of species: 144

Recorded threatened species: 128 (88%)

Africa; Australia; America

[Geographic Range]

<b>E</b>	<b>I</b>	<b><i>Ceratozamia euryphyllidia</i></b>	<b>20883, 11119</b>
[global threat status]	[CITES listing where relevant]	<b>Vazquez-Torres, Sabato &amp; D. Stevenson</b>	[data source(s) for scientific name]
	<b>V</b>	<b>20016</b>	<b>Mexico - Veracruz</b>
	[local threat status]	[data source for local threat status]	<b>20016</b> [distribution data source]

Please see introduction for fuller explanations.

## Lycopodiopsida

### Isoetaceae

Number of genera: 1-2  
 Number of species: 77-80  
 Recorded threatened species: 39 (49%)

Temperate and tropical.

- E** *Isoetes alcalophila* Halloy 16336  
 E 20176 Argentina - Tucuman 20176
- R** *Isoetes andicola* (Pfeiffer) L.D. Gomez 17371  
 R 12468 Peru 12468
- R** *Isoetes asiatica* (Makino) Makino 5942  
 E 11552 Russia (Far East) - Kamchatka 5942  
 I 5942 Russia (Far East) - Kurilskye Is. 5942  
 I 5942 Russia (Far East) - Primorye 5942  
 I 5942 Russia (Far East) - Sakhalin 5942  
 I 19216 China (Mongolia) 19216  
 R 11163 Japan 11163
- E** *Isoetes azorica* Durieu ex Milde 12032, 20171  
 E 19216 Portugal - Azores 12032
- I** *Isoetes beringensis* Komarov 5942  
 I 5942 Russia (Far East) - Kamchatka (Komandorskiye) 5942
- R** *Isoetes bilaspurensis* Panigr. 11350  
 R 11350 India - Madhya Pradesh 11350
- R** *Isoetes bolanderi* Engelm. 19002  
 R 19850 Mexico 19850
- E** *Isoetes boomii* N.Luebke & W.C.Taylor 20850  
 E 20850 U.S. - Georgia 20850
- V** *Isoetes boryana* Durieu 8000, 20171  
 V 20528 France (south-west coast) 20528
- R** *Isoetes bronchonii* Moteley 8000, 20171  
 R 19216 France (east Pyrenees) 8000
- I** *Isoetes capensis* A.V.Duthie var. *stephanseniae* (A.V.Duthie) Schelpe & N.C.Anthony 20604  
 I 20604 South Africa - Cape Province 20604
- E** *Isoetes castillonii* H.P.Fuchs 16336  
 E 16336 Argentina 16336
- Ex** *Isoetes dixitii* Shende 11352  
 Ex 11352 India - Maharashtra (Panchghani) 11352
- R** *Isoetes elatior* F.Muell. ex A.Braun 20681  
 R 20681 Australia - Tasmania 20681
- E** *Isoetes escondidensis* Halloy 16336  
 E 16336 Argentina 16336
- R** *Isoetes flaccida* Shuttlw. ex A.Braun 20850  
 R 20850 U.S. - Florida 20850  
 R 20850 U.S. - Georgia 20850
- R** *Isoetes habbemensis* Alston 19594  
 R 19216 Indonesia - Irian Jaya 19594  
 R 19216 Papua New Guinea 19594
- V** *Isoetes heldreichii* Wettst. 8000, 20171  
 V 19216 Greece (Pindhos Mountains) 8000
- E** *Isoetes hieroglyphica* A.A.Eat. 20850, 14480  
 E 20850 Canada - New Brunswick 20850  
 I 20850 Canada - Nova Scotia 20850  
 I 20850 Canada - Ontario 20850  
 I 20850 Canada - Quebec 20850  
 I 20850 U.S. - Maine 20850  
 I 20850 U.S. - Vermont 20850  
 I 20850 U.S. - Wisconsin 20850
- R** *Isoetes humilior* F.Muell. ex A.Braun 20681  
 R 20681 Australia - Tasmania 20681
- V** *Isoetes lithophila* N.E.Pfeiffer 20850  
 V 20850 U.S. - Texas 20850
- E** *Isoetes louisianensis* Thieret 20850, 14511  
 E 20850 U.S. - Louisiana 20850
- E** *Isoetes malinverniana* Ces. & De Not. 8000, 20171  
 E 18264 Italy (Piemonte & Lombardia) 19997
- R** *Isoetes melanothea* Alston 7926  
 R Guinea 7926
- R** *Isoetes neoguineensis* Baker 19594  
 R 19216 Papua New Guinea 19594
- R** *Isoetes pallida* Hickey 12001  
 R 19216 Mexico - Oaxaca 12001
- R** *Isoetes piedmontana* (N.E.Pfeiffer) C.F.Reed 20850  
 V 20850 U.S. - Alabama 20850  
 R 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Virginia 20850
- R** *Isoetes pringlei* Underw. 9001  
 R 19216 Mexico - Chiapas 9001
- V** *Isoetes prototypus* D.M.Britt. 20850  
 I 20850 Canada - New Brunswick 20850  
 I 20850 Canada - Nova Scotia 20850  
 I 20850 U.S. - Maine 20850
- R** *Isoetes rhodesiana* Alston 7749  
 R Zimbabwe 7749
- Ex** *Isoetes sampathkumarii* L.N.Rao 11353  
 Ex 11353 India - Karnataka 11353
- R** *Isoetes savatieri* Franchet 16336  
 R 19448 Argentina 21305  
 R 21305 Chile 21305
- R** *Isoetes sinensis* Palmer 17617  
 E 17617 China - Anhui (Xiuning; Dongxi) 11139  
 E 17617 China - Jiangsu (Nanjing) 11139  
 E 17617 China - Zhejiang 11139  
 R 11163 Japan 11163
- R** *Isoetes spinulospora* Jermy & Schelpe  
 R Equatorial Guinea - Bioko
- R** *Isoetes stevensii* Croft 19594  
 R 19216 Papua New Guinea 19594
- R** *Isoetes storkii* Palmer 9034  
 R 9593 Costa Rica 9034  
 R 19216 Panama 11714
- E** *Isoetes taiwanensis* DeVol 20511  
 E 20511 Taiwan 20511
- E** *Isoetes tetgeiformans* Rury 20850  
 E 20850 U.S. - Georgia 20850
- R** *Isoetes tenuifolia* Jermy 6072  
 R 19216 Ghana 6072  
 E Kenya
- R** *Isoetes velata* A.Braun ssp. *asturicense* (M.Lainz) Rivas Mart. & Prada 20171  
 R 20874 Spain (Hercynian massif) 20874
- V** *Isoetes velata* A.Braun ssp. *tenuissima* (Boreau) O.Bolös & Vigo 20171  
 V 20528 France (central) 20528
- E** *Isoetes wormaldii* Sim 20604  
 E 20604 South Africa - Cape Province 20604

## The 1997 IUCN Red List of Threatened Plants

Lycopodiopsida: Lycopodiaceae: *Diphasiastrum*

### Lycopodiaceae

Number of genera: 4  
 Number of species: 450-587  
 Recorded threatened species: 23 (4%)

Cosmopolitan.

- R** *Diphasiastrum madeirense* (J.H.Wilce) Holub 12032, 20171  
**R** Portugal - Azores 12032  
**R** Portugal - Madeira 12032
- R** *Huperzia deminuens* (Herter) B. Ollg. 21282  
**R** 21282 Brazil 21282
- R** *Huperzia eremorium* (Rolleri) Holub 21282  
**R** 21282 Colombia 21282
- R** *Huperzia fuegiana* (Roiv.) Holub 21305  
**R** 21305 Falkland Is. 21305  
**R** 21305 Chile - Tierra del Fuego 21305
- V** *Huperzia lockyeri* (D.Jones & B.Gray) Holub 20681  
**V** 20681 Australia - Queensland 20681
- V** *Huperzia mannii* (Hbd.) Kartesz & Gandhi 20850  
**V** 20850 U.S. - Hawaii 20850
- V** *Huperzia marsupiiformis* (D.Jones & B.Gray) Holub 20681  
**V** 20681 Australia - Queensland 20681
- E** *Huperzia nutans* (Brack.) Rothm. 20850, 14662  
**E** 20850 U.S. - Hawaii 20850
- V** *Huperzia polytrichoides* (Kaulfuss) Trevisan 20850  
**I** 20850 U.S. - Hawaii 20850
- R** *Huperzia pruinosa* (Herter) Holub 21282  
**R** 21282 Peru 21282
- R** *Huperzia regnellii* (Maxon) B.Ollg. & P.G.Windisch 21282  
**R** 21282 Brazil - Minas Gerais 21282
- E** *Huperzia sulcinervia* (Spring) Trevisan 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Lycopodiella limosa* Chinnock 20681  
**R** 20681 Australia - Queensland 20681
- V** *Lycopodiella margueriteae* J.G.Bruce, W.H.Wagner & Beitel 20850  
**I** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - Virginia 20850
- V** *Lycopodiella subappressa* J.G.Bruce, W.H.Wagner & Beitel 20850  
**E** 20850 U.S. - Indiana 20850  
**E** 20850 U.S. - Michigan 20850
- I** *Lycopodium aberdaricum* Chiov.  
**I** Kenya
- I** *Lycopodium axillare* Roxb. 18997  
**Ex/E** 19213 Ascension Is. 19213  
**V** 18997 St Helena 18997  
**I** Tristan da Cunha
- I** *Lycopodium ceylanicum* Spring 10251  
**I** 16162 Sri Lanka 10251
- R** *Lycopodium chonoticum* Philippi 5595  
**R** 19534 Chile 5595
- R** *Lycopodium halconense* Copel. 10278  
**R** Philippines 10278
- E** *Lycopodium phlegmaria* L. var. *longiflorum* Spring 20819  
**E** 20819 North Mariana Is. (Rota) 20819

- E** 20819 U.S. - Guam 20819
- R** *Lycopodium phlegmaria* L. var. *longifolium* Spring 18338  
**R** 18338 U.S. - Guam 18338
- R** *Lycopodium pseudovarium* Brownlie  
**R** 19216 New Caledonia 19216
- R** *Lycopodium setaceum* Lam. ssp. *galapagensis* Hamann 11117  
**R** Ecuador - Galapagos 11117
- Ex** *Urostachys rubrus* (Cham.) Hert 19539  
**Ex** 19539 Brazil - Minas Gerais 19539

### Psilotaceae

Number of genera: 2  
 Number of species: 3-10  
 Recorded threatened species: 2 (28%)

Tropical and warm temperate.

- E** *Psilotum nudum* L. var. *molesworthiae* Iranzo, Prada & Salvo 19818  
**E** 19818 Spain (Ibérica, Cádiz, Sierra de Algabe) 20661
- R** *Tmesipteris norfolkensis* P. Green 10604  
**R** 19108 Australia - Norfolk Is. 10604

### Selaginellaceae

Number of genera: 1  
 Number of species: 700-725  
 Recorded threatened species: 23 (3%)

Widespread (mainly tropical).

- E** *Selaginella adunca* A. Br. ex Hieron. 11494  
**E** India - Himachal Pradesh (Janusar, Simla) 11358  
**E** India - Uttar Pradesh 11358
- R** *Selaginella atimonanensis* Tan & Jermy 10278  
**R** Philippines (Quezon NP) 11305
- E** *Selaginella balfourii* Baker 5852  
**E** 5852 Mauritius - Rodrigues 5852
- I** *Selaginella calostachya* (Hook. & Grev.) Alston 10251  
**I** 16162 Sri Lanka 10251
- E** *Selaginella cataractarum* Alston 11494  
**E** India - Kerala 11359  
**Ex** 18228 India - Tamil Nadu (Silver Cascade, Kodaikanal) 11359
- I** *Selaginella cochleata* (Hook. & Grev.) Spring 10251  
**I** 16162 Sri Lanka 10251
- V** *Selaginella eatonii* Hieron. ex Small 20850  
**V** 20850 U.S. - Florida 20850
- I** *Selaginella firmuloides* Warb.  
**I** 19216 New Caledonia 19216
- V** *Selaginella gigantea* Steyermark & A. R. Smith 20883  
**I** 20883 Venezuela 20883
- R** *Selaginella leucobryoides* Maxon 20850  
**V** 20850 U.S. - Arizona 20850  
**I** 19216 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Selaginella lineariformis* Jermy 9283  
**R** 19216 Malaysia - Sarawak (G. Mulu NP) 9283
- R** *Selaginella molleri* Hieron 7926  
**R** Equatorial Guinea - Bioko 11607

## The 1997 IUCN Red List of Threatened Plants

### Lycopodiopsida: Selaginellaceae: *Selaginella*

- I** *Selaginella neocaledonica* Baker  
I 19216 New Caledonia 19216
- Ex** *Selaginella orizabensis* Hieron. 9019  
Ex 11119 Mexico - Veracruz 9019
- I** *Selaginella praetermissa* Alston 10251  
I 16162 Sri Lanka 10251
- R** *Selaginella pricei* Tan & Jermy 10278  
R Philippines 10278
- I** *Selaginella protensa* Alston 7926  
I Côte d'Ivoire 7926
- V** *Selaginella pulcherrima* Liebm. ex Fourn. 9015  
V 9425 Mexico - Veracruz 9015
- R** *Selaginella raynaliana* Tard.  
R Cameroon (Ebolowa & Akoakas)
- R** *Selaginella subisophylla* Jermy  
R 19216 Zambia 19216
- R** *Selaginella tama-montana* Serizawa 11163  
R 11163 Japan 11163
- R** *Selaginella tortipila* A.Braun 20850  
V 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- V** *Selaginella utahensis* Flowers 20850  
Ex/E 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- V** *Selaginella viridissima* Weatherby 20883, 20850  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883

## Pteridopsida

### Adiantaceae

Number of genera:	33 - 38
Number of species:	712
Recorded threatened species:	38 (5%)

#### Cosmopolitan.

- E** *Adiantum gertrudis* Espin. 5595  
E 21305 Chile 5595
- I** *Adiantum imbricatum* R.Tryon  
I 12468 Peru 12468
- I** *Adiantum macrocladum* Klotzsch  
I 12468 Peru 12468
- R** *Adiantum mindanaense* Copel. 10278  
R Philippines 10278
- R** *Adiantum mochaenum* Kunkel 19534  
R 19534 Chile 19534
- V** *Adiantum ogasawarense* Tagawa 19134  
V 19134 Japan - Kazan Retto 19134  
V 19134 Japan - Ogasawara-shoto 19134
- E** *Adiantum pearcei* Philippi 19534  
E 21305 Chile 19534
- I** *Adiantum poeppigianum* (Kuhn) Hieron.  
I 12468 Peru 12468
- E** *Adiantum reniforme* L. var. *sinense* Y.X.  
Lin 11139  
E 17617 China - Sichuan (Wanxian; Shizhu) 11139
- I** *Adiantum ruizianum* Klotzsch  
I 12468 Peru 12468
- I** *Adiantum scalare* R. Tryon  
I 12468 Peru 12468
- I** *Adiantum sessilifolium* Hook.  
I 12468 Peru 12468
- E** *Adiantum viridimontanum* Paris 20850  
I 20850 Canada - Quebec 20850  
V 20850 U.S. - Vermont 20850
- E** *Adiantum vivesii* Proctor 20883, 19002  
I 20883 Puerto Rico 20883
- Ex/E** *Anogramma ascensionis* (Hook.) Diels 3204  
Ex/E 3204 Ascension Is. 3204
- R** *Cheilanthes arizonica* (Maxon) Mickel 20883, 20850  
V 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R** *Cheilanthes cantangensis* (Tryon) Tryon 17371  
R 17371 Peru 17371
- R** *Cheilanthes cooperae* D.C. Eat. 20850  
I 20850 U.S. - California 20850
- R** *Cheilanthes depauperata* Baker 20604  
R 20604 South Africa - Cape Province 20604
- I** *Cheilanthes fractifera* R.Tryon  
I 12468 Peru 12468
- R** *Cheilanthes krameri* Franchet & Sav. 11163  
R 11163 Japan 11163
- R** *Cheilanthes kunzei* Mett. 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cheilanthes lonchophylla* (Tryon) R.Tryon & A.F.Tryon 17371  
R 17371 Peru 17371
- R** *Cheilanthes valdiviana* Philippi 5595  
R 5595 Chile 5595
- R** *Cheilanthes viscida* Davenport 20850  
I 20850 U.S. - California 20850
- E** *Coniogramme gracilis* Ogata 11163  
E 11163 Japan 11163
- R** *Coniogramme indica* Fee 11266  
R India - Manipur (Hongua Hill, Ukhrul) 11266  
R India - Meghalaya 11266
- R** *Doryopteris allenae* Tryon  
R Malaysia - Peninsular Malaysia (Perak; Selangor)
- I** *Eriosorus accrescens* A.F. Tryon  
I 12468 Peru 12468
- I** *Eriosorus lechleri* (Kuhn) A.F. Tryon  
I 12468 Peru 12468
- I** *Eriosorus stuebelii* (Hieron.) A.F. Tryon  
I 12468 Peru 12468
- V** *Notholaena chilensis* (E.J. Remy) Sturm 19116, 21305  
V 21305 Chile - Juan Fernandez Is. 19116
- I** *Pellaea boivini* Hook. 16162  
I 16162 Sri Lanka 16162
- V** *Pellaea lyngholmii* Windham 20850  
I 20850 U.S. - Arizona 20850
- R** *Pellaea myrtilifolia* Mett. ex Kuhn 19534  
R 21305 Chile 19534
- R** *Pellaea rufa* A.F.Tryon 20604  
R 20604 South Africa - Cape Province 20604
- V** *Pentagramma pallida* (Weatherby) Yatskievych, Windham & Wollenweber 20850

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Adiantaceae: *Pentagramma*

- I 20850 U.S. - California 20850  
**R** *Sinopteris grevilleoides* (Christ) C. Chr. & Ching 11139  
**R** 17617 China - Sichuan (Qingchuan; Maoweng) 11139  
**R** 17617 China - Yunnan 11139

**Aspleniaceae**

Number of genera: 9-14  
 Number of species: 711  
 Recorded threatened species: 46 (6%)

Pantropical; subtropical; some temperate.

- R** *Asplenium adamsii* Alston  
**R** Cameroon (Cameroon mt)
- R** *Asplenium adulterinum* Milde 14526, 20171  
**R** Austria  
**R** 21091 Bosnia & Herzegovina 21091  
**E** 2050 Czech Republic 2050  
**V** 20673 Finland 8000  
**V** 20640 Germany 20640  
**V** 17832 Norway 17832  
**V** 19366 Poland (Sudetes, Sudetic foothills) 7897  
**R** 19949 Romania 19949  
**I** 19321 Slovakia 19321  
**R** 13662 Slovenia (central) 13662  
**V** 18216 Sweden 18216  
**R** 18154 Switzerland 18154
- R** *Asplenium aemilii-guineae* Alston 7926  
**R** Equatorial Guinea - Bioko (Moka) 7926
- R** *Asplenium aethiopicum* (Burm.f.) Bech 20681, 18996  
**R** 20681 Australia - Western Australia 20681  
**R** 18996 St Helena 18996
- R** *Asplenium ascensionis* S.Watson 3204  
**R** 3204 Ascension Is. 3204
- R** *Asplenium athertonense* S.B.Andrews 20681  
**R** 20681 Australia - Queensland 20681
- R** *Asplenium balearicum* Shivas 18264, 20171  
**V** 20528 France - Corsica 15080  
**E** 18264 Italy (Tuscany, Lazio) 18264  
**E** 18264 Italy - Sardinia 18264  
**E** 18264 Italy - Sicily (Pantelleria I.) 18264  
**R** 20821 Spain - Balearic Is. (Menorca) 11562
- R** *Asplenium bourgaei* Boiss. ex Milde 20171  
**R** Greece
- E** *Asplenium cardiophyllum* (Hance) Bak. 19134  
**E** 19134 China - Hainan Is. 19134  
**E** 19134 Japan (Kita Daito-jima) 19134  
**E** 19134 Japan - Ogasawara-shoto 19134
- Ex/E** *Asplenium centrifugale* Baker 881  
**Ex/E** 14224 Australia - Christmas Is. 881
- E** *Asplenium chondrophyllum* Bertero ex Colla 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- R** *Asplenium compressum* Sw. 18997  
**R** 19213 St Helena 18997
- R** *Asplenium creticum* Lovis, Reichst. & Zaffran 20171  
**R** 20730 Greece - Crete 20730
- I** *Asplenium disjunctum* Sledge 10251  
**I** 16162 Sri Lanka 10251
- R** *Asplenium eberhardtii* Tard. 6057  
**R** Vietnam 6057
- R** *Asplenium insolitum* A. Reid Smith 9003  
**R** 9003 Mexico 12007
- R** *Asplenium isabelense* Brause 7926

- R** Equatorial Guinea - Bioko 7926
- R** *Asplenium jahandiezii* (Litard.) Rouy 8000, 20171  
**R** 20528 France (Gorges du Verdon) 8000
- Ex/E** *Asplenium leucostegioides* Baker 20850, 14662  
**Ex/E** 20850 U.S. - Hawaii 20850
- I** *Asplenium longipes* Fee 10251  
**I** 16162 Sri Lanka 10251
- E** *Asplenium macrosorum* Bertero ex Colla 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- R** *Asplenium majoricum* Litard. 8000, 20171  
**V** 20692 Spain (Valencian region) 20692  
**R** Spain - Balearic Is.
- I** *Asplenium micantifrons* (Tuy.) Tuy, ex H. Ohba 8622  
**I** 19134 Japan - Kazan Retto (Minami-Iwojima) 8622  
**I** 19134 Japan - Ogasawara-shoto 8622
- V** *Asplenium pauperequitum* 19305  
**V** 19305 New Zealand - North Is. 19305
- E** *Asplenium petrarchae* (Guérin) DC. ssp. *bivalens* (D.E.Meyer) Lovis & Reichst. 19818, 20171  
**E** 19818 Spain (Sierra de Grazalema) 19818
- R** *Asplenium platybasis* Kunze ex Mett. var. *platybasis* 18997  
**R** 18997 St Helena 18997
- I** *Asplenium platybasis* Kunze ex Mett. var. *subnudum* C. Chr. 19938  
**I** Tristan da Cunha (Gough, Inaccessible, Nightingale Is.) 19938
- R** *Asplenium protractum* Tard. 6057  
**R** Vietnam 6057
- R** *Asplenium rehmanniana* Engl. var. *longicuneata* R. & A. Fernandes 7749  
**R** Mozambique 7749
- E** *Asplenium reuteri* Milde 12840  
**E** 12840 Turkey 12840
- E** *Asplenium rhomboideum* Brack. 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Asplenium schizophyllum* C. Christens. 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Asplenium schweinfurthii* Baker 15534  
**R** 15534 Yemen - Socotra 15534
- R** *Asplenium scolopendrium* (Fern.) comb.nov. var. *americanum* (Fern.) Kartesz & Gandhi 20850  
**I** 20850 Canada - New Brunswick 20850  
**R** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Michigan 20850  
**V** 20850 U.S. - New York 20850  
**E** 20850 U.S. - Tennessee 20850
- E** *Asplenium stellatum* Colla 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- R** *Asplenium subaequilaterale* (Baker) Hieron 7926  
**R** Equatorial Guinea - Bioko 7926
- R** *Asplenium trigonopterum* Kunze 11163  
**R** 11163 Japan 11163
- R** *Asplenium vespertinum* Maxon 20850  
**I** 20850 U.S. - California 20850
- V** *Asplenium wildii* Bailey 20681  
**V** 20681 Australia - Queensland 20681
- R** *Ceterach cordatum* Sw. var. *haughtonii* C.

The 1997 IUCN Red List of Threatened Plants

Peridopsida: Aspleniaceae: *Ceterach*

- Chr. 18997  
**R** 18997 St Helena 18997
- E** *Diellia erecta* Brack. 20850, 19095  
**E** 20850 U.S. - Hawaii (all islands) 20850
- E** *Diellia falcata* Brack. 20850, 19095  
**E** 20850 U.S. - Hawaii (Oahu) 20850
- E** *Diellia laciniata* (Hbd.) Diels 20850  
**E** 20850 U.S. - Hawaii 20850
- Ex/E** *Diellia mannii* (D.C. Eat.) Robins. 20850  
**Ex/E** 20850 U.S. - Hawaii 20850
- E** *Diellia unisora* W.H. Wagner 20850, 19095  
**E** 20850 U.S. - Hawaii (Oahu) 20850
- R** *Phyllitis hybrida* (Milde) C.Chr. 20171  
**I** 20852 Croatia 20852  
**R** (former) Yugoslavia
- V** *Phyllitis scolopendrium* (L.) Newman var. *americana*  
**Fern.** 16059  
**V** 16059 Canada - Ontario 16059  
**V** 16059 U.S. - Alabama (Jackson & Morgan Co.) 16059  
**V** 16059 U.S. - Michigan (Mackinac Co.) 16059  
**V** 16059 U.S. - New York (Madison & Onondaga Co.) 16059  
**V** 16059 U.S. - Tennessee (Marion Co.) 16059

**Blchnaceae**

Number of genera: 8 - 9  
 Number of species: 238  
 Recorded threatened species: 17 (7%)

Cosmopolitan.

- R** *Blechnum corralense* Espin. 5595  
**R** 19534 Chile 5595
- R** *Blechnum fullagarii* (F. Muell.) C. Chr.  
**R** 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Blechnum gregsonii* (Watts) Tindale 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Blechnum longicauda* C. Chr. 19116  
**I** 19125 Chile - Juan Fernandez Is. 19116
- E** *Blechnum mochaenum* Kunkel var. *fernandeziana*  
 (Looser) De la Sota 19116, 21305  
**E** 19116 Chile - Juan Fernandez Is. 19116
- I** *Blechnum obtusatum* (Labill.) Mett. var. *francii*  
 (Rosenstock) Brownlie  
**I** New Caledonia
- V** *Blechnum schottii* (Colla) C. Chr. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- R** *Doodia brackenridgei* Carr.  
**R** Fiji
- R** *Doodia gracilis* Copel.  
**R** New Caledonia
- E** *Doodia lyonii* O. Deg. 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Doodia marquesensis* E. Brown  
**R** French Polynesia - Marquesas Is
- R** *Doodia mollis* Parris  
**R** New Zealand - North Is.
- V** *Doodia paschalis* C. Chr. 17912  
**V** 17912 Chile - Easter Is. 17912
- R** *Doodia scaberula* Parris  
**R** Papua New Guinea

- R** *Doodia squarrosa* Colenso  
**R** New Zealand - North Is.
- R** *Steenisoblechnum acuminatum* (White & Goy)  
**Hennipman** 20681  
**R** 20681 Australia - Queensland 20681
- R** *Struthiopteris castanea* Nakai 11163  
**R** 11163 Japan 11163

**Cyatheaceae**

Number of genera: 1 - 4  
 Number of species: 623  
 Recorded threatened species: 202 (32%)

Pantropical to warm temperate.

- E** **||** *Alsophila amintae* Conant 20883, 19002  
**E** 20883 Puerto Rico 20883
- V** **||** *Alsophila polystichoides* Christ 14244  
**V** 14244 Costa Rica 14244  
**V** 16317 Panama 14244
- R** **||** *Cnemidaria glandulosa* Stolze 14244  
**R** 14244 Panama 14244
- V** **||** *Cnemidaria stolzeana* L.D. Gómez 14244  
**V** 16317 Panama 14244
- R** **||** *Cnemidaria suprastrigosa* R.C. Moran 14244  
**R** 14244 Panama 14244
- R** **||** *Cnemidaria tryoniana* Stolze  
**R** Colombia
- R** **||** *Cnemidaria varians* R.C. Moran 14244  
**R** 14244 Panama 14244
- R** **||** *Cyathea abbotii* Maxon 12491  
**R** 12616 Dominican Republic 12616  
**R** 12616 Haiti 12616
- R** **||** *Cyathea aciculosa* Copel. 14803  
**V** Papua New Guinea - Bismarck Arch.  
**R** 14803 Solomon Is. - South 14803
- V** **||** *Cyathea acuminata* Copel. 20093  
**V** Philippines (Panay) 20093
- R** **||** *Cyathea akawaiorum* P.J. Edwards 12349  
**R** Guyana (Mt Roraima) 12349
- R** **||** *Cyathea alatissima* (Stolze) 12491  
**R** 12616 Peru 12625
- I** **||** *Cyathea albida* Tard.  
**I** 6963 Madagascar
- R** **||** *Cyathea albomarginata* R.C. Moran 14244  
**R** 14244 Costa Rica 14244  
**R** 14244 Panama 14244
- V** **||** *Cyathea albosetacea* (Beddome) Copel. 14708  
**V** 13883 India - Nicobar Is. (Great Nicobar, Kamotra Is.) 11273
- V** **||** *Cyathea alleniae* Holtum  
**V** Malaysia - Peninsular Malaysia
- R** **||** *Cyathea alstonii* R. Tryon 12612  
**R** 12616 Colombia (Macarena) 12612
- I** **||** *Cyathea alticola* (Tard.) Tindale  
**I** 6963 Madagascar
- V** **||** *Cyathea annae* (Alderw.) Domin  
**V** Indonesia - Moluccas
- I** **||** *Cyathea apoensis* Copel 20093  
**I** Philippines 20093
- I** **||** *Cyathea appendiculata* Baker

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Cyatheaceae: *Cyathea*

- I 6963 Madagascar
- I || *Cyathea approximata* Bonap. var. *approximata*  
I 6963 Madagascar
- I || *Cyathea approximata* Bonap. var. *sorisquamata* Tardieu  
I 6963 Madagascar
- R || *Cyathea arfakensis* Gepp  
R Papua New Guinea
- I || *Cyathea aristata* Domin 12491  
I 9114 Mexico - Oaxaca 12625  
I 9114 Mexico - Veracruz 9114
- V || *Cyathea arthropoda* Copel.  
V Malaysia - Sarawak
- I || *Cyathea ascendens* Domin  
I Papua New Guinea
- R || *Cyathea assurgens* R. Tryon 10538  
R 12616 Colombia 10538  
R 12616 Ecuador 10538
- R || *Cyathea atrospinosa* Holttum  
R Papua New Guinea
- I || *Cyathea auriculata* Tard.  
I 6963 Madagascar
- V || *Cyathea australis* (R. Br.) Domin ssp. *norfolkensis* Holttum  
V Australia - Norfolk Is.
- R || *Cyathea baileyana* (Domin) Domin 20681  
R 20681 Australia - Queensland 20681
- I || *Cyathea ballardii* Tard.  
I 6963 Madagascar
- I || *Cyathea bellisquamata* Bonap. var. *basilobata* C. Chr.  
I 6963 Madagascar
- I || *Cyathea bellisquamata* Bonap. var. *bellisquamata*  
I 6963 Madagascar
- R || *Cyathea binuangensis* Alderw. 10278  
R Philippines 10278
- R || *Cyathea bipinnata* (R. Tryon) 12491  
R 12616 Ecuador 10538
- I || *Cyathea boivini* Mett. var. *boivini*  
I 6963 Madagascar
- I || *Cyathea boivini* Mett. var. *concava* Tard.  
I 6963 Madagascar
- I || *Cyathea boivini* Mett. var. *humblotii* C. Chr.  
I 6963 Madagascar
- R || *Cyathea boliviana* R. Tryon 12612  
R 12616 Bolivia 12612
- I || *Cyathea borbonica* Desv. var. *laevigata* Bonap.  
I 6963 Madagascar
- I || *Cyathea borbonica* Desv. var. *pesvilleana* C. Chr.  
I 6963 Madagascar
- I || *Cyathea borbonica* Desv. var. *simulans* (Baker) C. Chr.  
I 6963 Madagascar
- V || *Cyathea brevipinna* Baker  
V 14227 Australia - NSW - Lord Howe Is. 14227
- V || *Cyathea brownii* Domin 19108  
V Australia - Norfolk Is.
- V || *Cyathea bunnemeijerii* Alderw.  
V Malaysia - Sarawak
- V || *Cyathea caracasana* (Klotzsch) Domin var. *maxonii* (Maxon) R. Tryon 12612  
V 14244 Costa Rica 14244  
V 16317 Panama 16317
- R || *Cyathea carrii* Holttum  
R Papua New Guinea
- I || *Cyathea catillifera* Holttum  
I Papua New Guinea
- R || *Cyathea christii* Copel.  
R Philippines
- R || *Cyathea cicatricosa* Holttum  
R New Caledonia
- R || *Cyathea cinerea* Copel. 10278  
R Philippines 10278
- V || *Cyathea coactilis* Holttum  
V Papua New Guinea
- V || *Cyathea cocleana* Stolze 12491  
V 16317 Panama 12625
- R || *Cyathea concinna* (Baker ex Jenman) Jenman 12491  
R 12616 Jamaica (Blue Mts.) 12615
- I || *Cyathea costalisora* Copel.  
I Papua New Guinea
- I || *Cyathea costularis* Bonap.  
I 6963 Madagascar
- I || *Cyathea costulisora* Domin  
I Indonesia - Sumatra
- R || *Cyathea cuatrecasii* (R. Tryon) 12491  
R 12616 Colombia (central) 12619
- R || *Cyathea curranii* Copel. 10278  
R Philippines 10278
- R || *Cyathea cyclopodium* (R. Tryon) Lellinger 12111  
R 12616 Venezuela 12111
- I || *Cyathea decrescens* Mett. var. *decrescens*  
I 6963 Madagascar
- I || *Cyathea decrescens* Mett. var. *hirsutifolia* C. Chr.  
I 6963 Madagascar
- I || *Cyathea deminuens* Holttum  
I Indonesia - Sumatra
- R || *Cyathea demissa* (C. Morton) A.R. Smith ex Lell. var. *demissa* 12111  
R Venezuela 12111
- R || *Cyathea demissa* (C. Morton) A.R. Smith ex Lell. var. *thysanolepis* (D. Barrington) 12491  
R Venezuela 11211
- I || *Cyathea dicksonioides* Holttum  
I Papua New Guinea
- I || *Cyathea dimorpha* (Christ) Copel.  
I Indonesia - Sulawesi
- R || *Cyathea dissoluta* Baker ex Jenman 12612  
R 12616 Jamaica 12612
- V || *Cyathea doctersii* Alderw.  
V Indonesia - Sumatra
- I || *Cyathea dregei* Kunze var. *polyphlebia* C.



The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Cyatheaceae: *Cyathea*

- Chr.  
**I** **II** *Cyathea dregei* Kunze var. *segregata* C.  
 Chr.  
**I** **II** *Cyathea dryopteroides* Maxon 12491  
**I** **II** *Cyathea dudleyi* R. Tryon 12612  
**R** **II** *Cyathea edanoi* Copel.  
**R** Philippines  
**R** **II** *Cyathea estelae* (Riba) Proctor 12491  
**R** 12616 Jamaica 12622  
**V** **II** *Cyathea excavata* Holttum  
**V** Malaysia - Peninsular Malaysia  
**E** **II** *Cyathea exilis* Holttum 20681, 9282  
**E** 20681 Australia - Queensland 9282  
**R** **II** *Cyathea falcata* (Kuhn) Domin 12111  
**R** 14244 Panama 14244  
**R** 12111 Colombia 12111  
**R** **II** *Cyathea ferruginea* Christ  
**R** Philippines  
**R** **II** *Cyathea fusca* Baker  
**R** Papua New Guinea  
**I** **II** *Cyathea glaberrima* Holttum  
**I** Papua New Guinea (D'entrecasteaux Is.)  
**V** **II** *Cyathea gregaria* (Brause) Domin  
**V** Papua New Guinea  
**E** **II** *Cyathea hainanensis* Ching  
**E** China  
**R** **II** *Cyathea halconensis* Christ 20093  
**R** Philippines 20093  
**R** **II** *Cyathea haughtii* (Maxon) R. Tryon 12612  
**R** 12616 Colombia 12612  
**R** **II** *Cyathea heliophila* R. Tryon 10538  
**R** 10538 Ecuador 10538  
**V** **II** *Cyathea hodgeana* Proctor 12491  
**V** 12616 Dominica 8767  
**R** **II** *Cyathea hookeri* Thwaites 10251  
**R** 16162 Sri Lanka 10251  
**R** **II** *Cyathea horridula* Copel.  
**R** Papua New Guinea  
**R** **II** *Cyathea hotteana* C. Chr. & Ekman 12491  
**R** 12616 Dominican Republic 10569  
**R** 12616 Haiti 10569  
**V** **II** *Cyathea howeana* Domin  
**V** 14227 Australia - NSW - Lord Howe Is. 14227  
**I** **II** *Cyathea humbertiana* Domin  
**I** 6963 Madagascar  
**I** **II** *Cyathea imbricata* Alderw.  
**I** Papua New Guinea  
**V** **II** *Cyathea impar* R. Tryon 12612  
**V** 10538 Panama 12612  
**R** **II** *Cyathea inaequalis* Holttum  
**R** Papua New Guinea  
**V** **II** *Cyathea incisoserrata* Copel.  
**V** Malaysia - Peninsular Malaysia  
**V** Malaysia - Sarawak  
**V** **II** *Cyathea insulana* Holttum  
**V** Papua New Guinea (D'entrecasteaux Is.)  
**V** **II** *Cyathea insularum* Holttum  
**V** Papua New Guinea (Louisiade Arch.)  
**R** **II** *Cyathea intramarginalis* (Wind.) Lellinger 12111  
**R** 12616 Venezuela 12111  
**I** **II** *Cyathea isaloensis* C. Chr.  
**I** 6963 Madagascar  
**E** **II** *Cyathea kermadecensis* Oliver 19106  
**E** 19305 New Zealand - Kermadec Is. 19106  
**R** **II** *Cyathea klossii* Ridley  
**R** Papua New Guinea  
**I** **II** *Cyathea lastii* Baker  
**I** 6963 Madagascar  
**V** **II** *Cyathea latevagans* (Baker) Domin 12111  
**V** Colombia 11211  
**R** **II** *Cyathea latipinnula* Copel. 10278  
**R** Philippines 10278  
**R** **II** *Cyathea lepifera* (J. Smith) Copel. 20015  
**R** 17617 China - Fujian (Xiamen) 11139  
**R** 17617 Taiwan 11139  
**R** Philippines 17617  
**R** 20017 Japan (Ryukyu Islands) 20017  
**Ex/E** **II** *Cyathea lepieurii* (Kunze) Domin 12491  
**Ex/E** 12616 French Guiana 12625  
**I** **II** *Cyathea leptochlamys* Baker  
**I** 6963 Madagascar  
**I** **II** *Cyathea ligulata* Baker  
**I** 6963 Madagascar  
**I** **II** *Cyathea loerzingii* Holttum  
**I** Indonesia - Sumatra  
**I** **II** *Cyathea longipinnata* Bonap.  
**I** 6963 Madagascar  
**R** **II** *Cyathea macarthurii* (F. Muell.) Baker  
**R** 14225 Australia - NSW - Lord Howe Is. 14225  
**R** **II** *Cyathea macropoda* Domin 14665  
**R** Indonesia - Sumatra  
**I** **II** *Cyathea madagascariensis* Bonap.  
**I** 6963 Madagascar  
**V** **II** *Cyathea magnifolia* Alderw.  
**V** Indonesia - Sumatra  
**I** **II** *Cyathea marattioides* Willd.  
**I** 6963 Madagascar  
**R** **II** *Cyathea marginata* (Brause) Domin  
**R** Papua New Guinea  
**R** **II** *Cyathea masapilidensis* Copel.  
**R** Philippines  
**R** **II** *Cyathea media* Wagn. & Grether  
**R** Papua New Guinea  
**I** **II** *Cyathea melanocaula* Desv.  
**I** 6963 Madagascar  
**I** **II** *Cyathea melleri* (Baker) Domin  
**I** 6963 Madagascar  
**R** **II** *Cyathea microchlamys* Holttum 10278  
**R** Philippines 10278  
**I** **II** *Cyathea micropelidota* Copel.  
**I** Fiji  
**R** **II** *Cyathea microphylla* Mett. 12612  
**R** Peru (south) 12612

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Cyatheaceae: *Cyathea*

- R II *Cyathea modesta* (Baker) Copel.  
R Indonesia - Sumatra
- V II *Cyathea moseleyi* Baker  
V Papua New Guinea - Bismarck Arch.
- R II *Cyathea mucilagina* R.C. Moran 14244  
R 14244 Costa Rica 14244  
R 14244 Ecuador 14244  
R 14244 Peru 14244
- R II *Cyathea multisegmenta* R. Tryon 12612  
R 12616 Peru 12612
- R II *Cyathea nanna* (D. Barrington) Lellinger 12111  
R 12616 Guyana 11211
- R II *Cyathea negrosiana* Christ  
R Philippines
- I II *Cyathea nigropaleata* Holttum  
I Papua New Guinea
- E II *Cyathea nilgirensis* Holttum 14708  
E India - Kerala (Palghat; Silent Valley)  
11347  
E India - Tamil Nadu 11347
- R II *Cyathea nockii* Jenman 12491  
R 12616 Jamaica 12617
- R II *Cyathea nodulifera* R.C. Moran 14244  
R 14244 Costa Rica 14244  
R 14244 Panama 14244
- V II *Cyathea obliqua* Copel. 20093  
V Philippines 20093
- V II *Cyathea oguræ* (Hayata) Domin 11163  
V 19134 Japan - Ogasawara-shoto (Chichizima I.)  
11163
- I II *Cyathea orthogonalis* Bonap.  
I 6963 Madagascar
- V II *Cyathea pallidipaleata* Holttum  
V Indonesia - Sulawesi
- R II *Cyathea papuana* (Ridley) Alderw.  
R Papua New Guinea
- R II *Cyathea parianensis* (Wind.) Lellinger 12111  
R 12616 Venezuela (Paria Peninsula) 12621
- V II *Cyathea parvipinna* Holttum  
V Papua New Guinea
- I II *Cyathea patellifera* Alderw.  
I Indonesia - Sumatra
- E II *Cyathea pectinata* Ching & S.H. Wu  
E China
- R II *Cyathea peladensis* (Hieron.) Domin 10538  
R 12616 Colombia 12612  
R 10538 Ecuador 10538
- I II *Cyathea perpunctulata* (Alderw.) Domin  
I Indonesia - Sumatra
- I II *Cyathea perrieriana* C. Chr.  
I 6963 Madagascar
- E II *Cyathea petiolulata* Ching & S.H. Wu  
E China
- R II *Cyathea phalaenolepis* (C. Chr.) Domin 12111  
R 20035 Colombia (Pacific coasts) 11211  
R 20035 Ecuador (Pacific coasts) 11211
- R II *Cyathea phegopteroides* (Hook.) Domin 12111  
R Peru 11211
- R II *Cyathea physolepidota* Alston  
R Papua New Guinea
- I II *Cyathea pilosula* Tard.  
I 6963 Madagascar
- I II *Cyathea plagiostegia* Copel.  
I Fiji
- R II *Cyathea pruinosa* Rosenstock  
R Papua New Guinea
- E II *Cyathea pseudogigantea* Ching & S.H. Wu  
E China
- R II *Cyathea pseudomuelleri* Holttum  
R Papua New Guinea
- V II *Cyathea pseudonanna* (L.D. Gómez) Lellinger 11714  
V 16317 Panama 11714
- R II *Cyathea punctulata* Alderw.  
R Indonesia - Sumatra
- R II *Cyathea pycnoneura* Holttum  
R Papua New Guinea
- I II *Cyathea quadrata* Baker var. *ivohibensis* C.  
Chr.  
I 6963 Madagascar
- I II *Cyathea quadrata* Baker var. *quadrata*  
I 6963 Madagascar
- I II *Cyathea recurvata* (Brause) Domin  
I Papua New Guinea
- R II *Cyathea robinsonii* Copel. 20093  
R Philippines 20093
- R II *Cyathea robusta* (C. Moore) Holttum  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R II *Cyathea roraimensis* Domin (Domin) 12349  
R 12616 Guyana 12349
- R II *Cyathea rufescens* Domin 12111  
R 12616 Peru 12618
- R II *Cyathea rufopannosa* Christ  
R Philippines
- R II *Cyathea rupestris* Maxon 12111  
R 12616 Colombia 10569
- R II *Cyathea saccata* Christ  
R Indonesia - Sulawesi
- R II *Cyathea sagittifolia* (Hook.) Domin 12491  
R Trinidad & Tobago
- R II *Cyathea sarasinorum* Holttum  
R Indonesia - Sulawesi
- I II *Cyathea scandens* (Brause) Domin  
I Papua New Guinea
- R II *Cyathea schlechteri* (Brause) Domin  
R Papua New Guinea
- I II *Cyathea schliebenii* Reim.  
I Tanzania
- V II *Cyathea sechellarum* Mett.  
V Seychelles (granitic)
- R II *Cyathea senex* Alderw.  
R Indonesia - Sumatra
- I II *Cyathea serratifolia* Baker  
I 6963 Madagascar
- R II *Cyathea setifera* Holttum  
R Indonesia - Moluccas
- R II *Cyathea setulosa* Copel.  
R Philippines
- V II *Cyathea sibuyanensis* Copel. 20093

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Cyatheaceae: *Cyathea*

- V Philippines 20093
- I** **II** *Cyathea similis* C. Chr.  
**I** 6963 Madagascar
- R** **II** *Cyathea simplex* R. Tryon 12612  
**R** 12616 Venezuela 12612
- R** **II** *Cyathea singularis* (Stolze) 12491  
**R** 12616 Colombia (Putamayo) 12625
- R** **II** *Cyathea sinuata* Hook. & Grev. 10251  
**R** 16162 Sri Lanka 10251
- R** **II** *Cyathea sipapoensis* (R. Tryon) Lellinger 12111  
**R** 12616 Venezuela 12621
- I** **II** *Cyathea stelligera* Holttum  
**I** New Caledonia
- R** **II** *Cyathea steyermarkii* R. Tryon 12612  
**R** 12616 Venezuela 12612
- V** **II** *Cyathea strigillosa* (Maxon) Domin 12491
- R** **II** *Cyathea strigosa* Christ  
**R** Indonesia - Sulawesi
- I** **II** *Cyathea subincisa* C. Chr.  
**I** 6963 Madagascar
- R** **II** *Cyathea tenuicaulis* Domin  
**R** Papua New Guinea
- V** **II** *Cyathea ternatea* Alderw.  
**V** Indonesia - Moluccas
- R** **II** *Cyathea teysmannii* Copel.  
**R** Indonesia - Sulawesi
- E** **II** *Cyathea tinganensis* Ching & S.H. Wu  
**E** China
- R** **II** *Cyathea trachypoda* Alderw.  
**R** Indonesia - Sumatra
- V** **II** *Cyathea tripinnatifida* Roxb.  
**V** Indonesia - Moluccas
- E** **II** *Cyathea tsangii* Ching & S.H. Wu  
**E** China
- I** **II** *Cyathea tsaratananensis* Tard.  
**I** 6963 Madagascar
- I** **II** *Cyathea tsilotsilensis* Tard.  
**I** 6963 Madagascar
- R** **II** *Cyathea tuyamae* H. Ohba 8622  
**R** 19135 Japan - Kazan Retto (Minami-Iwojima) 8622
- R** **II** *Cyathea urbanii* Brause 12491  
**R** 12616 Dominican Republic 10569
- R** **II** *Cyathea vandeusenii* Holttum  
**R** Papua New Guinea
- R** **II** *Cyathea venezuelensis* A. Reid Smith ex Lellinger 12111  
**R** Venezuela 11211
- R** **II** *Cyathea verrucosa* Holttum  
**R** Indonesia - Sumatra
- I** **II** *Cyathea viguieri* Tard.  
**I** 6963 Madagascar
- R** **II** *Cyathea vilhelmii* Domin 12612  
**R** 12616 Peru 12612
- R** **II** *Cyathea weatherbyana* (C. Morton) C. Morton 11117  
**R** 11117 Ecuador - Galapagos 11117
- R** **II** *Cyathea wendlandii* (Mett. ex Kuhn) Domininn 12111  
**V** 12111 Costa Rica 11211

- R** 12111 Panama 11211
- R** **II** *Cyathea williamsii* (Maxon) Domin 12111  
**R** Venezuela 11211
- I** **II** *Cyathea zakamenensis* Tard.  
**I** 6963 Madagascar
- R** **II** *Cyathea zamboangana* Copel.  
**R** Philippines

**Davalliaceae**

Number of genera: 6-10  
 Number of species: 130  
 Recorded threatened species: 1 (< 1%)

Pantropical and temperate.

- E** *Davallia puketi* 19305  
**E** 19305 New Zealand - North Is. 19305

**Dennstaedtiaceae**

Number of genera: 18  
 Number of species: 486  
 Recorded threatened species: 15 (3%)

Pantropical.

- R** *Lindsaea kawabatae* Kurata 11163  
**R** 20511 Taiwan 20511  
**R** 11163 Japan 11163
- I** *Lindsaea latifrons* Kramer 17371  
**I** 12468 Peru 12468
- R** *Lindsaea malabarica* (Beddome) Baker ex C. Chr. 11494  
**R** 13883 India - Kerala (Peermade; Silent Valley) 11355  
**R** 13883 India - Madhaya Pradesh (Bastar) 11355  
**R** 13883 India - Tamil Nadu (Salem; Yercaud; Shevaroy) 11355
- R** *Lindsaea repanda* Kunze 11163  
**R** 11163 Japan 11163
- E** *Lindsaea repens* (Bory) Thwaites var. *macraeana* (Hook. & Arn.) Mett. ex Kuhn 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Lindsaea securifolia* Presl var. *kusukusensis* (Hayata) Shieh 20511  
**R** 20511 Taiwan 20511
- I** *Lindsaea spruceana* Kuhn 17371  
**I** 12468 Peru 12468
- R** *Lindsaea tenera* Dryander 5376  
**R** India - Andaman Is. (South & Little Andamans) 11356  
**R** India - Nicobar Is. (Katchal & Great Nicobar) 11356
- R** *Microlepia calvescens* (Wall.) Presl var. *intramarginalis* (Tagawa) Sheih 20511  
**R** 20511 Taiwan 20511
- I** *Microlepia majuscula* (Lowe) T. Moore 10251  
**I** 16162 Sri Lanka 10251
- R** *Microlepia taiwaniana* Tagawa 20511  
**R** 20511 Taiwan 20511
- I** *Paesia taiwanensis* Shieh 20511  
**I** 20511 Taiwan 20511
- R** *Sphenomeris clavata* (L.) Maxon 20850  
**V** 20850 U.S. - Florida 20850  
**I** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. 20883

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Dennstaedtiaceae: *Sphenomeris*

- V *Sphenomeris minutula* Kurata 11163  
 V 11163 Japan 11163  
 R *Tapeinidium acuminatum* Kramer 10278  
 R Philippines 10278

Dicksoniaceae

Number of genera: 3-7  
 Number of species: 41  
 Recorded threatened species: 4 (9%)

Montane tropical and temperate.

- I II *Cibotium cumingii* Kunze 12238  
 I 12238 Philippines 12238  
 V II *Dicksonia berteriana* (Colla) Hook. 20883  
 V 20883 Chile 20883  
 V II *Dicksonia externa* Skottsb. 19116  
 V 19125 Chile - Juan Fernandez Is. 19116  
 V II *Thyrsopteris elegans* Kunze 20045  
 V 19125 Chile - Juan Fernandez Is. 19116

Dryopteridaceae

Number of genera: 20-47  
 Number of species: 464  
 Recorded threatened species: 75 (16%)

Temperate; tropical.

- R *Acrorumohra subreflexipinna* (Ogata) H.Ito 20511  
 R 20511 Taiwan 20511  
 R *Arachniodes carvifolia* (Kunze) Ching 20850  
 I 20850 U.S. - Hawaii 20850  
 V *Arachniodes dimorphophylla* (Hayata) Ching 11163  
 V 11163 Japan 11163  
 R *Arachniodes hekiana* Kurata 11163  
 R 11163 Japan 11163  
 R *Arachniodes pseudorepens* Nakaike 11163  
 R 11163 Japan 11163  
 R *Arachniodes repens* Kurata 11163  
 R 11163 Japan 11163  
 E *Ctenitis canacae* Holttum 20776  
 E 20771 Mauritius (Brise Fer) 10720  
 E *Ctenitis cumingii* Holttum 19185  
 E 19185 Pitcairn (Pitcairn Island) 19185  
 R *Ctenitis dubia* (Copel.) Copel. 11269  
 R Philippines (Leyte Forest, Mahagnao) 11269  
 R *Ctenitis iriomotensis* (H. Ito) Nakaike 11163  
 R 11163 Japan 11163  
 R *Ctenitis lorenceii* Holtt. 5852  
 R 5852 Mauritius - Rodrigues 5852  
 E *Ctenitis mearnsii* Copel. 11272  
 E Philippines (Pauai & Mt Pulog, Benguet) 11272  
 R *Ctenitis microlepigera* (Nakai) Ching 11163  
 R 11163 Japan 11163  
 Ex/E *Ctenitis paleolata* Copel. 11270  
 Ex/E Philippines (Pauai, Benguet Province) 11270  
 R *Ctenitis pleiosorus* (Hook.f.) C. Morton 11117  
 R Ecuador - Galapagos 11117  
 R *Ctenitis psamalensis* A. Reid Smith 9001  
 R 9001 Guatemala 9001  
 R 9001 Mexico 9001  
 R *Ctenitis sinii* (Ching) Ching 11163  
 R 11163 Japan 11163  
 E *Ctenitis squamigera* (Hook. & Arn.) Copeland 20850  
 E 20850 U.S. - Hawaii 20850  
 V *Cyrtomium microindusium* Kurata 11163  
 V 11163 Japan 11163  
 I *Cyrtomium taiwanense* Tagawa 20511  
 I 20511 Taiwan 20511  
 R *Dryopteris ardechensis* Fraser-Jenkins 20528  
 R 20528 France (south) 20528  
 Ex/E *Dryopteris ascensionis* (Hook.) Kuntze 3204  
 Ex/E 3204 Ascension Is. 3204  
 E *Dryopteris cognata* (C. Presl) Kuntze 18997  
 E 18997 St Helena 18997  
 I *Dryopteris corleyi* Fraser-Jenk. 10270, 20171  
 I 20874 Spain (Cantabrian coast) 10270  
 R *Dryopteris crinalis* (Hook. & Arn.) C. Christens. 20850  
 R 20850 U.S. - Hawaii 20850  
 I *Dryopteris enneaphylla* (Bak.) C. Chr. var. *pseudosieboldii* (Hayata) Tagaw 20511  
 I 20511 Taiwan 20511  
 V *Dryopteris gamblei* (Hope) C. Chr. 14708  
 V 14708 Bhutan 14708  
 V 14708 India - Meghalaya 14708  
 V 14708 India - Uttar Pradesh 14708  
 V 14708 India - West Bengal 14708  
 R *Dryopteris hadanoi* Kurata 11163  
 R 11163 Japan 11163  
 R *Dryopteris insularis* Kodama 11163  
 R 11163 Japan 11163  
 R *Dryopteris napoleonis* (Bory) Kuntze  
 R 18997 St Helena 18997  
 R *Dryopteris pallida* (Bory) C. Chr. ex Maire & Petitm. ssp. *balearica* (Litard.) Fraser Jenkins 20171  
 R Spain - Balearic Is.  
 V *Dryopteris rossii* C. Christens. 20850  
 E 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Michigan 20850  
 E *Dryopteris sandwicensis* (Hook. & Arn.) C. Christens. 20850  
 I 20850 U.S. - Hawaii 20850  
 R *Dryopteris shiroumensis* Kurata & Nakamura 11163  
 R 11163 Japan 11163  
 R *Dryopteris sparsa* (D. Don) Kuntze 20681  
 R 20681 Australia - Queensland 20681  
 Ex *Dryopteris speluncae* (L.) Underwood  
 Ex Bermuda  
 R *Dryopteris squamiseta* (Hook) Kuntze 7926  
 R Equatorial Guinea - Bioko  
 R *Dryopteris tsugiwoi* Kurata 11163  
 R 11163 Japan 11163  
 V *Dryopteris tsutuiana* Kurata 11163  
 V 11163 Japan 11163  
 R *Lastreopsis calantha* (Endl.) Tind. 11649  
 R 19108 Australia - Norfolk Is. 14288  
 R *Lastreopsis grayi* D.L. Jones 20681

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Dryopteridaceae: *Lastreopsis*

- R 20681 Australia - Queensland 20681
- R *Lastreopsis nephrodioides* (Baker) Tind.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Lastreopsis silvestris* D.A.Smith ex Tindale 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Lastreopsis tinaroensis* Tindale 20681  
R 20681 Australia - Queensland 20681
- V *Lastreopsis walleri* Tindale 20681  
V 20681 Australia - Queensland 20681
- Ex *Lastreopsis wattii* (Beddome) Tagawa 11494  
Ex 11494 India - Manipur 11494
- R *Polybotrya sorbifolia* Mett. ex Kuhn 11714  
R 9426 Costa Rica 11714  
R 14244 Brazil 14244  
R 14244 Colombia 14244  
R 14244 Venezuela 14244
- E *Polystichum aleuticum* C. Christens. 20850, 21309  
E 20850 U.S. - Alaska 20850
- I *Polystichum anomalum* (Hook. & Arn.) J. Smith 10251  
I 16162 Sri Lanka 10251
- E *Polystichum calderonense* Proctor 20883, 19002  
I 20883 Puerto Rico 20883
- E *Polystichum drepanum* (Swartz) C. Presl 17891  
E Portugal - Madeira 17891
- V *Polystichum dudleyi* Maxon 20850  
I 20850 U.S. - California 20850
- E *Polystichum falcinellum* (Swartz) C. Presl  
E Portugal - Madeira
- R *Polystichum haleakalense* Brack. 20850  
I 20850 U.S. - Hawaii 20850
- R *Polystichum hillebrandii* Carruthers 20850, 8328  
I 20850 U.S. - Hawaii 20850
- Ex/E *Polystichum kwakiutlii* D.H. Wagner 20850  
I 20850 Canada - British Columbia 20850
- R *Polystichum moorei* Christ 19108  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R *Polystichum munchii* (Christ) C. Chr. 9001  
R 9001 Guatemala 9001  
R 9001 Mexico 9001
- E *Polystichum obai* Tagawa 11163  
E 11163 Japan 11163
- R *Polystichum ohmurae* Kurata 11163  
R 11163 Japan 11163
- R *Polystichum otomasui* Kurata 11163  
R 11163 Japan 11163
- R *Polystichum setigerum* (K. Presl) K. Presl 20850, 10701  
E 20850 Canada - British Columbia 20850  
V 20850 U.S. - Alaska 20850
- R *Polystichum shimurae* Kurata 11163  
R 11163 Japan 11163
- V *Polystichum tetragonum* Fée 19116, 21305  
V 19125 Chile - Juan Fernandez Is. 19116
- Ex/E *Polystichum wattii* (Bedd.) C. Chr. 14708  
Ex/E 14708 India - Manipur 14708
- R *Polystichum whiteleggei* Wats  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Polystichum yaeyamense* (Makino) Makino 11163

- R 11163 Japan 11163
- I *Pteridrys symmatica* (Willd.) C. Chr. & Ching 16162  
I 16162 Sri Lanka 16162
- I *Pteridrys zeylanica* Ching 16162  
I 16162 Sri Lanka 16162
- V *Rumohra berteroa* (Colla) R.A. Rodr. 19116, 21305  
V 19125 Chile - Juan Fernandez Is. 19116
- R *Sorolepidium glaciale* Christ 11139  
R 17617 China - Sichuan (Muli; Daocheng) 11139  
R 17617 China - Xizang Zizhiqu (Bemi) 11139  
R 17617 China - Yunnan (Lijiang, Zhongdian) 11139
- Ex/E *Tectaria amesiana* A.A. Eat. 20850  
I 20850 U.S. - Florida 20850
- V *Tectaria chattagramica* (C.B. Clarke) Ching 14872  
V 14872 Bangladesh 14872
- E *Tectaria estremeriana* Proctor & A.M. Evans 20883  
I 20883 Puerto Rico 20883
- I *Tectaria thwaitesii* (Beddome) Ching 10251  
I 16162 Sri Lanka 10251
- R *Tectarium primitivum* Copel.  
R Philippines
- R *Triplophyllum fraternum* (Mett.) Holttum var. *elongatum* Holttum 11612  
R Sao Tome & Principe 11612

Gleicheniaceae

Number of genera: 2 - 4  
Number of species: 140  
Recorded threatened species: 4 (2%)

Pantropical.

- V *Dicranopteris linearis* (Burm. f.) Underw. var. *sebastianiana* Panigr. & Dixit 14782  
V 14782 India - Tamil Nadu 14782
- R *Gleichenia abscida* Rodway 20681  
R 20681 Australia - Tasmania 20681
- R *Gleichenia litoralis* (Philippi) C. Chr. 5595  
R 5595 Chile 5595
- R *Gleichenia weatherbyi* Foss.  
R Micronesia - Caroline Is. (Ponape, Kusaie)

Grammitidaceae

Number of genera: 14  
Number of species: 500  
Recorded threatened species: 65 (13%)

Pantropical and South temperate.

- E *Adenophorus periens* Bishop 20850  
E 20850 U.S. - Hawaii 20850
- I *Ctenopteris glandulosa* J. Smith 10251  
I 16162 Sri Lanka 10251
- V *Ctenopteris malayana* Parris 9280  
V 14876 Malaysia - Peninsular Malaysia (G. Ulu Kali) 9280
- R *Ctenopteris nhatrangensis* (C. Chr.) Tard. 6057  
R Vietnam 6057
- R *Ctenopteris sakaguchiana* (Koidz.) H. Ito 11163  
R 11163 Japan 11163
- I *Ctenopteris thwaitesii* (Beddome) Sledge 10251  
I 16162 Sri Lanka 10251

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Grammitidaceae: *Ctenopteris*

- V *Ctenopteris walleri* (Maiden & Betche) 20681  
V 20681 Australia - Queensland 20681
- I *Grammitis ahenobarba* Parris  
I Indonesia - Irian Jaya
- R *Grammitis alboetosa* (Bailey) Parris 20681  
R 20681 Australia - Queensland 20681
- R *Grammitis alepidota* M. Price 10278  
R Philippines (Mt Banahaw & Mt Carloon) 10278
- R *Grammitis ceratocarpa* Copel.  
R Indonesia - Irian Jaya (Mt Carstenz & Wilhelmina)  
R Papua New Guinea (Huon & Mt Wilhelm)
- R *Grammitis clavipila* Parris  
R Papua New Guinea
- R *Grammitis collina* Parris  
R Papua New Guinea (Western Highlands)
- I *Grammitis coredosora* (Alderw.) Copel.  
I Indonesia - Irian Jaya
- R *Grammitis crenulata* Parris  
R Papua New Guinea (Mt Dayman & Mt Suckling)
- I *Grammitis crinifera* Parris  
I Indonesia - Irian Jaya (Mt Helling)
- R *Grammitis curtipila* Parris  
R Papua New Guinea  
R 14803 Solomon Is. - South 14803
- R *Grammitis demissa* Parris  
R Papua New Guinea - Bismarck Arch.
- I *Grammitis dictymioides* Copel.  
I Indonesia - Irian Jaya
- R *Grammitis diminuta* (Baker) Copel.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- I *Grammitis ebenina* (Maxon) Tard. 18997  
E 18997 St Helena 18997  
I 19213 Tropical Africa 19213
- I *Grammitis excelsa* Parris  
I Indonesia - Irian Jaya (Ilim Valley)
- R *Grammitis fabaespora* (Copel.) Seymour 9012  
R 19757 Panama 9012
- I *Grammitis glossophylla* Parris  
I Papua New Guinea (Rossel I.)
- I *Grammitis habbemensis* Copel.  
I Indonesia - Irian Jaya
- I *Grammitis hispida* Copel.  
I Indonesia - Irian Jaya
- R *Grammitis imberbis* Parris  
R Papua New Guinea (Mt Scorpion, Star Mts)
- I *Grammitis inconstans* (Alderw.) Copel.  
I Indonesia - Irian Jaya
- R *Grammitis knightii* (Copel.) Seymour 9012  
R 19757 Costa Rica 9012
- I *Grammitis meijer-dreesii* Copel.  
I Indonesia - Irian Jaya
- R *Grammitis merrillii* (Copel.) Copel.  
R Indonesia - Irian Jaya (Waigeo)  
R Indonesia - Moluccas  
R Philippines (Palawan)
- I *Grammitis mesocarpa* (Alderw.) Copel.  
I Indonesia - Irian Jaya
- I *Grammitis montana* Parris  
I Papua New Guinea (Mt Sarawaket)
- R *Grammitis murrayana* (C. Chr.) Copel.  
R Papua New Guinea
- R *Grammitis nigropaleata* Copel.  
R Papua New Guinea (Morobe Province)
- R *Grammitis nipponica* Tagawa & Iwatsuki 11163  
R 11163 Japan 11163
- R *Grammitis nudicarpa* Copel.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- I *Grammitis papuensis* (Alderw.) Parris  
I Indonesia - Irian Jaya (Mt Carstenz)
- R *Grammitis podocarpa* (Maxon) Seymour 9012  
R 19757 Panama 9012
- R *Grammitis pseudocellata* Parris  
R Papua New Guinea (Mt Dayman)
- R *Grammitis rawlingsii* Parris  
R 19305 New Zealand - North Is. 19305
- I *Grammitis reducta* (Alderw.) Copel.  
I Indonesia - Irian Jaya (Mt Doorman Top)
- I *Grammitis reptans* Parris  
I Indonesia - Irian Jaya (Mt Wilhelmina)
- I *Grammitis rupestris* Parris  
I Papua New Guinea (Laloki R.)
- R *Grammitis salticola* Parris  
R Papua New Guinea (Mt Giluwe)
- R *Grammitis silvicola* Parris  
R Papua New Guinea (Mt Piora)
- I *Grammitis subreticulata* (Copel.) Copel.  
I Papua New Guinea
- R *Grammitis taeniophylla* Parris  
R Papua New Guinea (Mt Hunstein, E. Sepik)
- E *Grammitis tenuis* Parris  
E Papua New Guinea (Ekuti Range)
- R *Grammitis tmesipteris* (Copel.) Seymour 9012  
R 9426 Costa Rica 9012
- R *Grammitis tomaculosa* Parris  
R Indonesia - Irian Jaya  
R Papua New Guinea
- R *Grammitis torricelliana* (Brause) Parris  
R Papua New Guinea  
R Philippines
- R *Grammitis trichopoda* (F. Muell. & Baker) Copel.  
R Papua New Guinea
- R *Grammitis trogophylla* Copel.  
R Papua New Guinea
- R *Grammitis tuberculata* Parris  
R Papua New Guinea (W. Highlands & Enga Prov.)
- R *Grammitis tuyamae* H. Ohba 8622  
R 19134 Japan - Kazan Retto (Minami-Iwojima) 8622
- I *Grammitis viridula* (Alderw.) Parris  
I Indonesia - Irian Jaya  
I Indonesia - Java  
I Indonesia - Sulawesi  
I Indonesia - Sumatra  
I Papua New Guinea
- I *Grammitis wallii* (Beddome) Copel. 10251  
I 16162 Sri Lanka 10251
- R *Grammitis wattsii* Copel.

The 1997 IUCN Red List of Threatened Plants

Peridopsida: Grammitidaceae: *Grammitis*

- R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Grammitis zurquina* (Maxon ex Copel.) Seymour 9012  
 V 20895 Vietnam 20985  
 R 19757 Costa Rica 9012
- R *Lellingeria isidrensis* (Maxon ex Cople.) A. Reid Smith & R. Moran 14244  
 R 9426 Costa Rica 14244
- R *Xiphopteris ascensionensis* (Hieron.) Cronk 9997  
 R 3204 Ascension Is. 3204
- R *Xiphopteris exilis* Parris 9280  
 R 14876 Malaysia - Peninsular Malaysia (G. Belumut, Johor) 9280
- R *Xiphopteris sparsipilosa* (Holttum) Holttum 9280  
 R 14876 Malaysia - Peninsular Malaysia (Perak; Pahang; Selangor) 9280
- R *Xiphopteris villosissima* (Hook.) Alston var. *laticellulata* Beal 10672  
 R Cameroon (Cameroon Mt) 10672

Hymenophyllaceae

Number of genera: 5-10  
 Number of species: 600  
 Recorded threatened species: 27 (4%)

Mostly tropical montane and South temperate.

- R *Abrodictyum boninense* Tagawa & Iwatsuki 8037  
 R 19134 Japan - Kazan Retto 8622  
 E 19134 Japan - Ogasawara-shoto 8037
- R *Callistopteris bauerana* (Endl.) Copel. 19108  
 R Australia - NSW - Lord Howe Is.  
 R 19108 Australia - Norfolk Is. 19108
- E *Crepidomanes boninense* (Tagawa & Iwatsuki) Iwatsuki 11163  
 E 11163 Japan 11163
- R *Crepidomanes majoriae* (Watts) Wakef. 20681  
 R 20681 Australia - Queensland 20681
- R *Crepidomanes subclathratum* (Iwatsuki) Iwatsuki 11163  
 R 11163 Japan 11163
- R *Hymenophyllum capillaceum* Roxb. 18997  
 R 18997 St Helena 18997
- R *Hymenophyllum capurroi* de la Sota 16336  
 R 16336 Argentina 16336  
 R 20176 Argentina - Tucuman 20176
- V *Hymenophyllum cuneatum* Kunze var. *cuneatum* 19116, 21305  
 V 21305 Chile - Juan Fernandez Is. (R. Crusoe & A. Selkirk Is.) 19116  
 V 21305 Chile 21305
- R *Hymenophyllum eboracense* Croxall 20681  
 R 20681 Australia - Queensland 20681
- R *Hymenophyllum gracilescens* Domin 20681  
 R 20681 Australia - Queensland 20681
- R *Hymenophyllum howense* Brownlie  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Hymenophyllum kerianum* Watts 20681  
 R 20681 Australia - Queensland 20681
- R *Hymenophyllum moorei* Baker  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Hymenophyllum poilanei* Tard. & C. Chr. 6057  
 R Vietnam 6057
- R *Hymenophyllum pumilum* Hook. & Baker 20681

- R 20681 Australia - New South Wales 20681
- V *Hymenophyllum rugosum* C. Chr. & Skottsbr. 19116  
 V 21305 Chile - Juan Fernandez Is. 19116
- E *Hymenophyllum tayloriae* Farrar & Raine 20850  
 I 20850 U.S. - Alabama 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- R *Hymenophyllum whitei* Goy 20681  
 R 20681 Australia - Queensland 20681
- R *Reediella endlicheriana* (Presl) Pichi-Serm. 20681  
 R 20681 Australia - Queensland 20681
- V *Serpillopsis caespitosa* (Gaudich.) C. Chr var. *ferandeziana* C. Chr & Skottsbr. 19116, 21305  
 V 21305 Chile - Juan Fernandez Is. (R. Crusoe & A. Selkirk Is.) 19116
- R *Trichomanes draytonianum* Brack. 20850  
 R 20850 U.S. - Hawaii 20850
- V *Trichomanes exsectum* Kunze 19116, 21305  
 V 21305 Chile - Juan Fernandez Is. (R. Crusoe & A. Selkirk Is.) 19116  
 V 21305 Chile 21305
- E *Trichomanes ingae* C. Chr. 19116, 21305  
 E 19116 Chile - Juan Fernandez Is. 19116
- E *Trichomanes philippianum* Sturm 19116, 21305  
 E 19116 Chile - Juan Fernandez Is. 19116
- R *Trichomanes ridleyi* Copel.  
 R 14876 Malaysia - Peninsular Malaysia 14876
- R *Trichomanes speciosum* Willd. 8000, 20171  
 E 20528 France 20528  
 R 11495 Ireland (south-west) 11495  
 V 19806 Italy (Toscana - Apuan Alps) 19997  
 R 20874 Spain (Cádiz & Atlantic coast) 8000  
 V 20587 United Kingdom 19232  
 I Portugal - Azores 12032  
 V 14161 Portugal - Madeira 12032  
 R 19806 Spain - Canary Is. 12032
- I *Trichomanes wallii* Thwaites ex Trimen 10251  
 I 16162 Sri Lanka 10251

Lomariopsidaceae

Number of genera: 7-8  
 Number of species: 615  
 Recorded threatened species: 17 (2%)

Pantropical to warm temperate.

- R *Bolbitis simplex* R.C. Moran 14244  
 R 14244 Panama 14244
- R *Edanyoa difformis* Copel.  
 R Philippines
- R *Elaphoglossum beddomei* Sledge 13883  
 R 13883 India - Tamil Nadu (Nilgiri and Anamally mountains) 13883
- R *Elaphoglossum calanasicum* Holtum 10278  
 R Philippines 10278
- E *Elaphoglossum dimorphum* (Hook. & Grev.) T. Moore 18997  
 E 19213 St Helena 18997
- R *Elaphoglossum drakensbergense* Schelpe 20604  
 R 20604 South Africa - Natal 20604  
 R 20604 South Africa - Orange Free State 20604
- R *Elaphoglossum insulare* C. Chr.  
 R 19941 Tristan da Cunha (Gough Is.) 19941

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Lomariopsidaceae: *Elaphoglossum*

- R** *Elaphoglossum negrosensis* Holttum 10278  
R Philippines 10278
- E** *Elaphoglossum nervosum* (Bory) Christ 18997  
E 19213 St Helena 18997
- E** *Elaphoglossum nilgircicum* Kraj. ex Sledge 11494  
E 11494 India - Kerala (Silent Valley) 11494  
E 11494 India - Tamil Nadu (Nilgiri Hills) 11494
- R** *Elaphoglossum pellucidum* Gaud. 20850  
I 20850 U.S. - Hawaii 20850
- R** *Elaphoglossum pendulifolium* Tagawa 20511  
R 20511 Taiwan 20511
- E** *Elaphoglossum serpens* Maxon & Morton ex Maxon 20883, 19002  
I 20883 Puerto Rico 20883
- V** *Elaphoglossum stigmatolepis* (Fee) Moore 13883  
V 13883 India (Nilgiri & Pulney Hills) 13883
- R** *Elaphoglossum tosaense* (Yatabe) Makino 11163  
R 11163 Japan 11163
- R** *Elaphoglossum yoshinagae* (Yatabe) Makino 11163  
R 11163 Japan 11163
- R** *Microstaphyla furcata* (L.f.) Fee 18997  
R 18997 St Helena 18997

**Loxosomataceae**

Number of genera: 2  
Number of species: 4  
Recorded threatened species: 2 (50%)

New World tropical; New Zealand.

- V** *Loxosoma cunninghamii* R. Br. ex Cunn. 86  
V New Zealand - North Is.
- E** *Loxosomopsis costaricensis* Christ 9593  
E 9593 Costa Rica 9593

**Marattiaceae**

Number of genera: 4  
Number of species: 204  
Recorded threatened species: 11 (5%)

Tropical and warm.

- E** *Angiopteris chauliodonta* Copel. 8049  
E 19185 Pitcairn (Pitcairn Island) 8049
- K** *Angiopteris magna* Ching ex Tard. & C. Chr. 6057  
R Vietnam 6057
- R** *Archangiopteris cadieri* Tard. & C. Chr. 6057  
R Vietnam 6057
- E** *Archangiopteris henryi* Christ & Giesenh. 11139  
E 17617 China - Yunnan (Jinping & Pingbian) 11139
- R** *Archangiopteris henryi* Christ & Gies. var. *somai* (Hayata) Tagawa 20511  
R 20511 Taiwan 20511
- E** *Archangiopteris itoi* Shieh 20511  
E 20511 Taiwan 20511
- R** *Archangiopteris subintegra* Hayata 6057  
R 20985 Vietnam 6057
- V** *Christensenia assamica* (Griffith) Ching 13883  
V 20756 China - Yunnan (south) 20756  
V 5374 India - Arunachal Pradesh 5374  
V 13883 India - Assam 13883
- R** *Danaea carillensis* Christ 9026

- R** 11992 Costa Rica 9026
- R** *Danaea plicata* Christ 11714  
R 12111 Costa Rica 11714
- I** *Marattia boninensis* Nakai 8037  
I Japan - Kazan Retto 8622  
V 19134 Japan - Ogasawara-shoto 8037
- R** *Marattia purpurascens* Vriese 3204  
R 3204 Ascension Is. 3204

**Marsileaceae**

Number of genera: 3  
Number of species: 67  
Recorded threatened species: 8 (11%)

Temperate and tropical.

- E** *Marsilea azorica* Launert & Paiva 12032, 20171  
E Portugal - Azores 12032
- I** *Marsilea batardae* Launert 17891, 20171  
V 20076 Portugal 12032  
I 20874 Spain 20648
- V** *Marsilea botryocarpa* Ballard  
V Kenya
- E** *Marsilea glomerata* Launert  
E Kenya
- I** *Marsilea megalomania* Launert  
I Kenya
- V** *Marsilea schelpeana* Launert 20604  
V 20604 South Africa - Cape Province 20604
- R** *Marsilea vestita* Hook & Grev. ssp. *tenuifolia* (Engelm. ex A. Braun) D.M. Johnson 20850  
V 20850 U.S. - Texas 20850
- E** *Marsilea villosa* Kaulfuss 20850  
E 20850 U.S. - Hawaii 20850

**Oleandraceae**

Number of genera: 4  
Number of species: 91  
Recorded threatened species: 2 (2%)

Tropical to warm temperate.

- V** *Arthropteris atescendens* (Colla) J. Em. 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- V** *Oleandra ejurana* C.J. Adams 7926  
V 6072 Ghana 7926

**Ophioglossaceae**

Number of genera: 3  
Number of species: 81  
Recorded threatened species: 23 (28%)

Temperate with some tropical.

- E** *Botrychium acuminatum* W.H. Wagner 20850, 15826  
E 20850 Canada - Ontario 20850  
E 20850 U.S. - Michigan 20850
- R** *Botrychium atrovirens* (Sahashi) 11163  
R 11163 Japan 11163
- R** *Botrychium campestre* W.H. Wagner & Farrar ex W.H. & F. Wagner 20850, 15827  
E 20850 Canada - Alberta 20850  
I 20850 Canada - New Brunswick 20850  
E 20850 Canada - Ontario 20850  
E 20850 Canada - Quebec 20850



The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Ophioglossaceae: *Botrychium*

- E 20850 Canada - Saskatchewan 20850  
 E 20850 U.S. - Colorado 20850  
 V 20850 U.S. - Iowa 20850  
 V 20850 U.S. - Michigan 20850  
 V 20850 U.S. - Minnesota 20850  
 I 20850 U.S. - Montana 20850  
 I 20850 U.S. - Nebraska 20850  
 Ex/E 20850 U.S. - New York 20850  
 E 20850 U.S. - North Dakota 20850  
 E 20850 U.S. - Oregon 20850  
 I 20850 U.S. - South Dakota 20850  
 E 20850 U.S. - Wisconsin 20850  
 E 20850 U.S. - Wyoming 20850
- V *Botrychium echo* W.H. Wagner 20850  
 I 20850 U.S. - Arizona 20850  
 V 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Utah 20850
- E *Botrychium gallicomontanum* Farrar & Johnson-Groh 20850  
 I 20850 U.S. - Minnesota (Frenchman's Bluff) 20850
- R *Botrychium hesperium* (Maxon & Clausen) W.H. Wagner & Lellinger 20850, 14352  
 E 20850 Canada - Alberta 20850  
 E 20850 Canada - British Columbia 20850  
 E 20850 Canada - Ontario 20850  
 E 20850 Canada - Saskatchewan 20850  
 I 20850 U.S. - Arizona 20850  
 V 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Michigan 20850  
 E 20850 U.S. - Montana 20850  
 E 20850 U.S. - Utah 20850  
 I 20850 U.S. - Wyoming 20850
- E *Botrychium lineare* W.H. Wagner 20850  
 I 20850 Canada - New Brunswick 20850  
 V 19095 Canada - Ontario 19095  
 I 20850 Canada - Quebec 20850  
 I 20850 U.S. - California 20850  
 E 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Montana 20850  
 I 20850 U.S. - Oregon 20850  
 E 20850 U.S. - Utah 20850
- R *Botrychium microphyllum* (Sahashi) 11163  
 R 11163 Japan 11163
- R *Botrychium minus* (Hara) 11163  
 R 11163 Japan 11163
- R *Botrychium montanum* W.H. Wagner 20850, 14352  
 E 20850 Canada - British Columbia 20850  
 V 20850 U.S. - California 20850  
 V 20850 U.S. - Montana 20850  
 E 20850 U.S. - Oregon 20850  
 R 20850 U.S. - Washington 20850
- R *Botrychium mormo* W.H. Wagner 20850  
 I 20850 Canada - Quebec 20850  
 E 20850 U.S. - Michigan 20850  
 R 20850 U.S. - Minnesota 20850  
 E 20850 U.S. - Wisconsin 20850
- V *Botrychium pallidum* W.H. Wagner 20850  
 I 20850 Canada - Manitoba 20850  
 E 20850 Canada - Ontario 20850  
 Ex/E 20850 Canada - Quebec 20850  
 I 20850 Canada - Saskatchewan 20850  
 V 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Maine 20850  
 V 20850 U.S. - Michigan 20850  
 I 20850 U.S. - Minnesota 20850
- V *Botrychium paradoxum* W.H. Wagner 20850, 13153  
 E 20850 Canada - Alberta 20850  
 E 20850 Canada - British Columbia 20850

- I 20850 Canada - Saskatchewan 20850  
 E 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Montana 20850  
 E 20850 U.S. - Oregon 20850  
 E 20850 U.S. - Utah 20850  
 E 20850 U.S. - Washington 20850
- E *Botrychium pseudopinnatum* W.H. Wagner 20850, 15826  
 E 20850 Canada - Ontario 20850
- V *Botrychium pumicola* Coville ex Underwood 20850, 19095  
 V 20850 U.S. - Oregon 20850
- R *Botrychium rugulosum* W.H. Wagner 20850, 14352  
 V 20850 Canada - Ontario 20850  
 I 20850 Canada - Prince Edward Is. 20850  
 V 20850 Canada - Quebec 20850  
 I 20850 U.S. - Connecticut 20850  
 R 20850 U.S. - Michigan 20850  
 I 20850 U.S. - Minnesota 20850  
 E 20850 U.S. - New York 20850  
 V 20850 U.S. - Vermont 20850  
 V 20850 U.S. - Wisconsin 20850
- E *Botrychium simplex* E. Hitchc. var. *compositum* (Lasch) Milde 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Pennsylvania 20850  
 Ex/E 20850 U.S. - Wyoming 20850
- V *Ophioglossum concinnum* Brack. 20850, 11878  
 V 20850 U.S. - Hawaii 20850
- E *Ophioglossum fernandezianum* C. Chr. 19116  
 E 19125 Chile - Juan Fernandez Is. 19116
- R *Ophioglossum kawamurae* Tagawa 11163  
 R 11163 Japan 11163
- R *Ophioglossum lineare* Schltr. & Brause 20681  
 R 20681 Australia - Northern Territory 20681
- R *Ophioglossum namegatatae* Nishida & Kurita 11163  
 R 11163 Japan 11163
- R *Ophioglossum parvum* Nishida & Kurita 11163  
 R 11163 Japan 11163

Osmundaceae

Number of genera:	3
Number of species:	18
Recorded threatened species:	2 (11%)

Temperate and tropical.

- V *Leptopteris moorei* (Baker) Christ  
 V 14226 Australia - NSW - Lord Howe Is. 14226
- I *Osmunda collina* Sledge 10251  
 I 16162 Sri Lanka 10251

Parkeriaceae

Number of genera:	1
Number of species:	4
Recorded threatened species:	1 (25%)

Pantropical.

- R *Ceratopteris gaudichaudii* Brongn.  
 R 18338 U.S. - Guam 18338

The 1997 IUCN Red List of Threatened Plants

Pteridopsida: Plagiogyriaceae: *Plagiogyria*

**Plagiogyriaceae**

Number of genera: 1  
 Number of species: 36  
 Recorded threatened species: 2 (5%)

Tropical and subtropical, excluding Africa.

- R** *Plagiogyria japonica* Nakai var. *pseudojaponica*  
 (Nakaike) Iwatsuki 11163  
**R** 11163 Japan 11163
- R** *Plagiogyria yakumonticola* Nakaike 11163  
**R** 11163 Japan 11163

**Polypodiaceae**

Number of genera: 40-47  
 Number of species: 1,068  
 Recorded threatened species: 26 (2%)

Cosmopolitan especially tropical.

- R** *Colysis elegans* Kurata 11163  
**R** 11163 Japan 11163
- R** *Colysis evrardii* Tard. 6057  
**R** Vietnam 6057
- I** *Crypsinus okamotoi* (Tagawa) Tagawa 20511  
**I** 20511 Taiwan 20511
- V** *Crypsinus yakuinsularis* Tagawa 11163  
**V** 11163 Japan 11163
- E** *Dendroglossa minutula* (Fee) Copel. 11494  
**E** 11494 India - Meghalaya (Khasi hills) 11494
- V** *Drynaria meeboldii* Rosenst. 13883  
**V** 13883 India - Manipur 13883
- E** *Holcosorus bisulcatus* (Hook.) Ching 14708  
**E** India - Arunachal Pradesh 11258
- R** *Lepisorus boninensis* (Ching) Ching 11163  
**R** 11163 Japan 11163
- R** *Lepisorus mikawanus* Kurata 11163  
**R** 11163 Japan 11163
- I** *Leptochilus wallii* (Baker) C. Chr. 10251  
**I** 16162 Sri Lanka (Deniyaya, Morawak Korale) 10251
- I** *Loxogramme confertifolia* Nakai 20511  
**I** 20511 Taiwan 20511
- R** *Microsorium pappi* (Mett. ex Kuhn) Tardieu 20604  
**R** 20604 Mozambique 20604  
**R** 20604 Zimbabwe 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Microsorium baithoensis* Tu 6057  
**R** 15734 Vietnam 6057
- R** *Microsorium membranifolium* (R.Br.) Ching 20681  
**R** 20681 Australia - Queensland 20681
- R** *Microsorium takhtajanii* Tu 6057  
**R** 15734 Vietnam 6057
- V** *Neocheiropteris palmatopedata* (Baker) Christ 11139  
**V** 17617 China - Guizhou 11139  
**V** 17617 China - Sichuan 11139  
**V** 17617 China - Yunnan 11139
- R** *Neocheiropteris sapaensis* Tu 6057  
**R** 15734 Vietnam 6057
- Ex/E** *Platycterium grande* (J. Smith ex Fee) Presl 10278  
**Ex/E** 12238 Philippines (Mt San Cristobal, Quezon)

11271

- Ex** *Platycterium ridleyi* 20099  
**Ex** 20099 Indonesia - Kalimantan 20099  
**Ex** 20099 Indonesia - Sumatra 20099  
**Ex** 20099 Malaysia - Peninsular Malaysia 20099  
**Ex** 20099 Singapore 20099
- R** *Pleopeltis nicklesii* (Tard.) Alston 7926  
**R** Guinea (Keniekounde) 7926
- V** *Polypodium amamanum* Tagawa 11163  
**V** 11163 Japan 11163
- E** *Polypodium espinosae* Weath. 19536, 21305  
**E** 21305 Chile 21305
- V** *Polypodium intermedium* Colla ssp. *intermedium* 19116, 21305  
**V** 19125 Chile - Juan Fernandez Is. 19116
- I** *Polypodium viridulum* Alderw.  
**I** Indonesia - Irian Jaya
- R** *Pyrrosia liebuschii* (Hieron.) Schelpe 5926  
**R** 5926 Tanzania (east Usambaras Mts.) 5926
- V** *Synammia intermedia* (Colla) Kunkel  
**V** Chile - Juan Fernandez Is.
- R** *Thayeria cornucopia* Copel. 10149  
**R** Philippines (north) 10196

**Pteridaceae**

Number of genera: 6-7  
 Number of species: 259  
 Recorded threatened species: 19 (7%)

Pantropical.

- E** *Pteris adscensionis* Sw. 3204  
**E** 3204 Ascension Is. 3204
- I** *Pteris bakeri* C. Chr. 17371  
**I** 12468 Peru 12468
- R** *Pteris barombiensis* Hieron.  
**R** Cameroon (Barombi)
- V** *Pteris berteroaana* Agardh 19116, 21305  
**V** 21305 Chile - Juan Fernandez Is. (R.Crusoe & A.Selkirk Is.) 19116
- R** *Pteris boninensis* H. Ohba 11163  
**R** 11163 Japan 11163
- I** *Pteris confusa* T. Walker 10251  
**I** 16162 Sri Lanka 10251
- R** *Pteris ekema* Benl 10672  
**R** Cameroon (Cameroon mt) 10672
- I** *Pteris gongalensis* T. Walker 10251  
**I** 16162 Sri Lanka 10251
- R** *Pteris kawabatae* Kurata 11163  
**R** 11163 Japan 11163
- R** *Pteris kidoi* Kurata 11163  
**R** 20511 Taiwan 20511  
**R** 11163 Japan 11163
- R** *Pteris kingiana* Endl. 19108  
**R** 19108 Australia - Norfolk Is. (Coastal cliffs) 14288
- E** *Pteris lidgatei* (Baker) Christ 20850  
**E** 20850 U.S. - Hawaii 20850
- V** *Pteris nakasimae* Tagawa 11163  
**V** 11163 Japan 11163
- V** *Pteris paleacea* Roxb. 18997

## The 1997 IUCN Red List of Threatened Plants

### Pteridopsida: Pteridaceae: *Pteris*

- V 19213 St Helena 18997  
**I** *Pteris praetermissa* T. Walker 10251  
 I 16162 Sri Lanka 10251  
**I** *Pteris reptans* T. Walker 10251  
 I 16162 Sri Lanka 10251  
**R** *Pteris yakuinsularis* Kurata 11163  
 R 11163 Japan 11163  
**E** *Pteris yamatensis* Tagawa 11163  
 E 11163 Japan 11163  
**R** *Pteris zahlbruckneriana* Endl. 19108  
 R 19108 Australia - Norfolk Is. 19108

### Schizaeaceae

Number of genera: 4 - 5  
 Number of species: 143  
 Recorded threatened species: 3 (2%)

Pantropical and southern warm temperate.

- R** *Anemia bartlettii* Mickel 9009  
 R 19758 Belize 9009  
**V** *Anemia wrighthii* Baker 20850  
 V 20850 U.S. - Florida 20850  
**I** *Schizaea pusilla* Pursh 20883, 20850  
 I 20850 Canada - New Brunswick 20850  
 I 20850 Canada - Nova Scotia 20850  
 I 20883 France - St Pierre & Miquelon 20883  
 E 20850 U.S. - Delaware 20850  
 R 20850 U.S. - New Jersey 20850  
 E 20850 U.S. - New York 20850  
 E 20883 Peru 20883

### Thelypteridaceae

Number of genera: 30  
 Number of species: 1,000  
 Recorded threatened species: 41 (4%)

Pantropical; some subtropical and temperate.

- I** *Amauropelta hakgalensis* Holttum 10251  
 I 16162 Sri Lanka 10251  
**I** *Amauropelta odontosora* (Bonap.) Holttum  
 I Côte d'Ivoire  
**E** *Chingia australis* Holttum 20681  
 E 20681 Australia - Queensland 20681  
**R** *Chingia pricei* Holttum 10278  
 R Philippines 10278  
**R** *Chingia urens* Holttum 10278  
 R Philippines 10278  
**V** *Christella clarkei* (Bedd.) Holtt. 14782  
 V 14782 India - Sikkim 14782  
**V** *Christella kaumaunica* Holttum 14782  
 V 14782 India - Uttar Pradesh 14782  
**R** *Coryphopteris didymochlaenoides* (Clarke)  
 Holtt. 14782  
 R 14782 India - Meghalaya 14782  
**R** *Cyclogramma squamaestipes* (Clarke) Tagawa 14782  
 R 14782 India - Sikkim 14782  
**E** *Goniopteris bermudiana* (Baker) Gilbert  
 E Bermuda  
**R** *Haplodictyum bulusanicum* Holttum 10278  
 R Philippines 10278  
**R** *Metathelypteris decipiens* (Clarke) Ching 14782

- R** 14782 India - Meghalaya (Khasi hills) 14782  
**R** 14782 India - West Bengal (Darjeeling Himalayas) 14782  
**R** *Oreopteris elwesii* (Bak.) Holttum 13883  
 R 13883 India - Sikkim (near Lachen) 13883  
**R** *Pneumatopteris oppositifolia* (Hook.) Holttum  
 R Equatorial Guinea - Bioko 11610  
 R Equatorial Guinea - Pagalu 11610  
**R** *Pneumatopteris venulosa* (Hook.) Holttum  
 R Equatorial Guinea  
 R Equatorial Guinea - Bioko  
 R Equatorial Guinea - Pagalu  
**I** *Pronephrium gardneri* Holttum 10251  
 I 16162 Sri Lanka 10251  
**I** *Pronephrium longipetiolatum* (K. Iwats.) Holtt. 20511  
 I 20511 Taiwan 20511  
**E** *Pseudocyclosorus gamblei* Holttum & Grimes 14782  
 E 14782 India - Tamil Nadu (Nilgiri & Palni Hills) 14782  
**E** *Pseudocyclosorus griseus* (Baker) Holttum & Grimes 14782  
 E 14782 India - Tamil Nadu 14782  
**R** *Pseudophegopteris diana* (Hook.) Holttum 18997  
 R 18997 St Helena 18997  
**V** *Stenogramma himalaica* (Ching) K. Iwats. 14782  
 V 14782 India (NW Himalayas) 14782  
**R** *Thelypteris albicaulis* (Fée) A.R. Smith 9016  
 R 19757 Mexico 9016  
**Ex** *Thelypteris altissima* (Holttum) Vorster 20604  
 Ex 20604 South Africa - Natal 20604  
**R** *Thelypteris banaensis* C. Chr. 6057  
 R Vietnam 6057  
**R** *Thelypteris boninensis* (Kodama ex Koidz.) Iwatsuki 11163  
 R 11163 Japan 11163  
**E** *Thelypteris boydiae* (Eat.) K. Iwats. 20850  
 E 20850 U.S. - Hawaii 20850  
**R** *Thelypteris crassiuscula* (C. Chr. & Maxon) Lellinger 11714  
 R 11992 Costa Rica 11714  
**R** *Thelypteris ensiformis* (C. Chr.) R. Tryon 11714  
 R 11992 Costa Rica 11714  
**E** *Thelypteris inabonensis* Proctor 20883, 19002  
 E 20883 Puerto Rico 20883  
**R** *Thelypteris knysnaensis* N.C. Anthony & Schelpe 20604  
 R 20604 South Africa - Cape Province 20604  
**V** *Thelypteris mombachensis* L.D. Gómez 9025  
 V 9426 Nicaragua 9025  
**V** *Thelypteris oroniensis* L.D. Gómez 9017  
 V 9426 Costa Rica 9017  
**E** *Thelypteris pilosa* (M. Martens & Galeotti) Crawf. var. *alabamensis* Crawford 20850, 14704  
 V 20850 U.S. - Alabama 20850  
**R** *Thelypteris puberula* A.R. Sm. var. *sonorensis* A.R. Sm. 20883, 20850, 19002  
 V 20850 U.S. - Arizona 20850  
 V 20850 U.S. - California 20850  
 R 20883 Mexico 20883  
**R** *Thelypteris sclerophylla* (Poepp. ex Spreng.) Morton 20850

## The 1997 IUCN Red List of Threatened Plants

### Pteridopsida: Thelypteridaceae: *Thelypteris*

- E 20850 U.S. - Florida 20850  
I 20883 Puerto Rico 20883
- R *Thelypteris tuerckheimii* (J.D. Smith) Reed 9016  
R 19757 Guatemala 9016  
R 19757 Mexico 9016
- E *Thelypteris verecunda* Proctor 20883, 19002  
E 20883 Puerto Rico 20883
- E *Thelypteris yaucoensis* Proctor 20883, 19002  
I 20883 Puerto Rico 20883
- I *Trigonospora angustifrons* Sledge 10251  
I 16162 Sri Lanka 10251
- I *Trigonospora glandulosa* Sledge 10251  
I 16162 Sri Lanka 10251
- I *Trigonospora obtusiloba* Sledge 10251  
I 16162 Sri Lanka 10251
- I *Trigonospora zeylanica* (Ching) Sledge 10251  
I 16162 Sri Lanka 10251

### Vittariaceae

Number of genera: 8 - 9  
Number of species: 113  
Recorded threatened species: 2 (1%)

Pantropical to warm temperate.

- R *Antrophyum annetii* (Jeand.) Tard.  
R Cameroon
- R *Vittaria schaeferi* Hieron.  
R Cameroon (Manengouba & Ebolowa)

### Woodsiaceae

Number of genera: 18 - 20  
Number of species: 705  
Recorded threatened species: 30 (4%)

Temperate to montane tropics.

- E *Athyrium atratum* Beddome 11494  
E 11494 India - Manipur 11494
- R *Athyrium christensenii* Tard. 6057  
R Vietnam 6057
- R *Athyrium duthei* (Bedd.) 14708  
R 14708 India - Sikkim 14708  
R 14708 India - Uttar Pradesh 14708
- R *Athyrium excelsius* Nakai 15957  
R 15923 Korea, South (Mt. Chiri, Mt. Paekyang, Yangdeog) 15957
- R *Athyrium masamunei* Serizawa 11163  
R 11163 Japan 11163
- R *Athyrium nikkoense* Makino 11163  
R 11163 Japan 11163
- R *Athyrium viridescens* Kurata 11163  
R 11163 Japan 11163
- R *Athyrium yakusimensis* Kurata 11163  
R 11163 Japan 11163
- R *Cystoathyrium chinense* Ching 11139  
R 17617 China - Sichuan (Erlangshan) 11139
- V *Cystopteris douglasii* Hook. 20850  
V 20850 U.S. - Hawaii 20850
- R *Deparia bonincola* (Nakai) M. Kato 8622  
R 19134 Japan - Kazan Retto (Minami-Iwojima) 8622  
R 19134 Japan - Ogasawara-shoto 8622

- Ex/E *Deparia kaalaana* (Copeland) M. Kato 20850  
Ex/E 20850 U.S. - Hawaii 20850
- V *Deparia minamitanii* (Serizawa) Kato 11163  
V 11163 Japan 11163
- V *Deparia otomasui* (Kurata) Kato 11163  
V 11163 Japan 11163
- I *Deparia polyrhizon* (Baker) Sledge 10251  
I 16162 Sri Lanka 10251
- R *Diplazium amamianum* Tagawa 11163  
R 11163 Japan 11163
- I *Diplazium cognatum* (Hieron) Sledge 10251  
I 16162 Sri Lanka 10251
- Ex *Diplazium laffanianum* (Baker) C. Chr.  
Ex Bermuda
- R *Diplazium lonchophyllum* Kunze 20850  
E 20850 U.S. - Louisiana 20850
- E *Diplazium longicarpum* Kodama 8037  
E 19134 Japan - Ogasawara-shoto 8037
- R *Diplazium melanochlamys* (Hook.) T. Moore  
R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Diplazium molokaiense* Robins. 20850  
E 20850 U.S. - Hawaii 20850
- R *Diplazium nigropaleaceum* Kunze 18997  
R 19213 St Helena 18997
- I *Diplazium paradoxum* Fee 10251  
I 16162 Sri Lanka 10251
- I *Diplazium prescottianum* (Wallich ex Hook.)  
Beddome 1144  
I 20099 Singapore 20099
- R *Diplazium tetsuyamanakae* Kurata 11163  
R 11163 Japan 11163
- I *Diplazium zeylanicum* (Hook.) T. Moore 10251  
I 16162 Sri Lanka 10251
- R *Gymnocarpium appalachianum* Pryer 20850  
I 20850 U.S. - Maryland 20850  
E 20850 U.S. - North Carolina 20850  
Ex/E 20850 U.S. - Ohio 20850  
E 20850 U.S. - Pennsylvania 20850  
R 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- Ex/E *Woodsia andersonii* (Beddome) Christ 11262  
Ex/E India - Uttar Pradesh (Kali Valley, Kumaon) 11262
- R *Woodsia cochisensis* Windham 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850  
I 20883 Mexico 20883
- R *Woodsia kitadakensis* Ohwi 11163  
R 11163 Japan 11163

## Gnetopsida

### Ephedraceae

Number of genera: 1  
Number of species: 40  
Recorded threatened species: 1 (2%)

Warm temperate North and South America; warm temperate Eurasia.

- R *Ephedra californica* S.Watson 20883, 20850, 19002  
I 20850 U.S. - Arizona 20850

## The 1997 IUCN Red List of Threatened Plants

### Gnetopsida: Ephedraceae: *Ephedra*

- I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20883 Mexico 20883
- R** *Ephedra californica* S.Wats. var. *californica* 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- V** *Ephedra californica* S.Wats. var. *funerea* (Coville & Morton) L. Benson 20850  
**E** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850

## Pinopsida

### Araucariaceae

Number of genera: 2  
 Number of species: 38  
 Recorded threatened species: 30 (78%)

Southern Hemisphere (excluding Africa) to Indochina and the Philippines.

- R** *Agathis atropurpurea* B.Hyland 20681, 20316  
**R** 20681 Australia - Queensland 20374
- V** *Agathis corbassonii* de Laub. 20329  
**V** 20893 New Caledonia 20329
- R** *Agathis endertii* Meijer Drees 19727  
**V** 18270 Indonesia - Kalimantan 19727  
**R** 18270 Malaysia - Sabah 19727  
**R** 18270 Malaysia - Sarawak 19727
- V** *Agathis flavescens* Ridley 19727  
**V** 20761 Malaysia - Peninsular Malaysia 19727
- V** *Agathis kinabaluensis* de Laub. 19727  
**V** 20761 Malaysia - Sabah (Mt Kinabalu) 19727
- R** *Agathis lanceolata* Lindley ex Warb. 20329  
**R** 20893 New Caledonia 20329
- V** *Agathis lenticula* de Laub. 19727  
**V** 18270 Malaysia - Sabah (Mt Kinabalu) 19727
- I** *Agathis macrophylla* (Lindl.) Mast. 20482  
**I** 8836 Solomon Is. - South (Santa Cruz, Utupua & Vanikoro) 20482  
**I** 21021 Vanuatu 20482
- R** *Agathis microstachya* J.F.Bailey & C.White 20681, 17718  
**R** 20681 Australia - Queensland 20681
- V** *Agathis montana* de Laub. 20329  
**V** 20913 New Caledonia (Mt Panié) 20437
- V** *Agathis moorei* (Lindl.) Mast. 20329  
**V** 20893 New Caledonia 20329
- V** *Agathis orbicula* de Laub. 19727  
**V** 18270 Malaysia - Sabah 19727  
**V** 18270 Malaysia - Sarawak 19727
- R** *Agathis ovata* (Moore ex Vieill.) Warb. 20329  
**R** 20893 New Caledonia (south) 20329
- R** *Agathis silbae* de Laub. 20333  
**R** 18270 Vanuatu 20333
- R** *Agathis spathulata* de Laub. 19727  
**R** 18270 Papua New Guinea (east highlands) 19727
- R** *Agathis vitiensis* (Seemann) Benth. & Hook.f. 10253  
**R** 18270 Fiji 10253
- R** *Araucaria angustifolia* (Bertol.) Kuntze 20883, 20438

- E** 20176 Argentina - Misiones (northeast) 20176  
 20883 Bolivia 20883  
**V** 17746 Brazil - Minas Gerais 17746  
**V** 17746 Brazil - Parana 13928  
**V** 20761 Brazil - Rio de Janeiro 10370  
**V** 17746 Brazil - Rio Grande do Sul 13928  
**V** 17746 Brazil - Santa Catarina 13928  
**V** 17746 Brazil - Sao Paulo 17746  
**V** 20761 Paraguay 20883
- R** *Araucaria araucana* (Mol.) K. Koch 20883, 15088  
**V** 20176 Argentina - Neuquen 20176  
**R** 20883 Chile 20883
- R** *Araucaria bernieri* Buchh. 20329  
**R** 20893 New Caledonia 20329
- R** *Araucaria biramulata* Buchh. 20329  
**R** 20893 New Caledonia 20329
- V** *Araucaria heterophylla* (Salisb.) Franco 20464  
**V** 20761 Australia - Norfolk Is. (Norfolk and Philip Islands) 20464
- V** *Araucaria humboldtensis* Buchh. 20329  
**V** 20761 New Caledonia 20329
- R** *Araucaria laubenfelsii* Corbasson 20329  
**R** 20893 New Caledonia 20329
- E** *Araucaria luxurians* (Brongn. & Gris) de Laub. 20329  
**E** 20893 New Caledonia 20329
- V** *Araucaria muelleri* (Carriere) Brongn. & Gris 20329  
**V** 20913 New Caledonia 18270
- E** *Araucaria nemorosa* de Laub. 20329  
**E** 20893 New Caledonia (Port Boisé) 20329
- E** *Araucaria rulei* F. Muell. 20329  
**E** 20893 New Caledonia 20329
- V** *Araucaria schmidii* de Laub. 20329  
**V** 20761 New Caledonia (Mt Panié) 20329
- E** *Araucaria scopulorum* de Laub. 20329  
**E** 20893 New Caledonia (local on coast) 20329
- E** *Wollemia noblei* W.Jones & K.Hill ms. 20681  
**E** 20681 Australia - New South Wales 20681

### Cephalotaxaceae

Number of genera: 1  
 Number of species: 7  
 Recorded threatened species: 5 (71%)

Eastern Himalayas to Japan.

- V** *Cephalotaxus hainanensis* Li 20358  
**V** 19703 China - Hainan Is. 17617  
**R** 20985 Vietnam 20985
- I** *Cephalotaxus lanceolata* K.M.Feng 20358  
**I** 20761 China - Yunnan (Gongshan) 11139  
**I** 20761 Myanmar (north) 19703
- V** *Cephalotaxus mannii* Hook.f. 17617  
**V** 18270 China - Guangdong (Xinyi) 11139  
**V** 18270 China - Guangxi (Rongxian) 11139  
**E** 18270 China - Xizang Zizhiqu (Metue; Zizhiqu) 11139  
**V** 18270 China - Yunnan 11139  
**V** 20761 India - Assam (Mishmi Hills) 18270  
**V** 18270 India - Meghalaya (Khasi Hills; Jaintia Hills) 18270  
**V** 18270 India - Nagaland (Naga Hills) 18270  
**V** 20761 Thailand (north) 19703  
**V** 18270 Vietnam 6057
- V** *Cephalotaxus oliveri* Masters 17617  
**V** 18270 China - Guangdong (north) 11139

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Cephalotaxaceae: Cephalotaxus

- V 18270 China - Guangxi 11139  
 V 20761 China - Guizhou 11139  
 V 18270 China - Hubei 11139  
 V 18270 China - Hunan 11139  
 V 18270 China - Jiangxi 11139  
 V 18270 China - Sichuan 11139  
 V 18270 China - Yunnan 11139  
 V 20761 India (eastern) 20761  
 V 20761 Vietnam (northern) 6057  
 E *Cephalotaxus wilsoniana* Hayata 20018  
 E 20761 Taiwan (north & central) 18270

Cupressaceae

Number of genera: 18-19  
 Number of species: 130  
 Recorded threatened species: 64 (49%)

Cosmopolitan.

- V *Austrocedrus chilensis* (D. Don) Pichi-Serm. & Bizzarri 15088  
 V 20761 Argentina (Questrihue) 18270  
 V 13875 Chile - Biobio 20761  
 R *Callitris baileyi* C.White 20681, 20318  
 I 20681 Australia - New South Wales 18270  
 I 20681 Australia - Queensland 18270  
 R *Callitris monticola* J.Garden 20681, 20318  
 I 20681 Australia - New South Wales 20316  
 I 20681 Australia - Queensland 20316  
 V *Callitris neocaledonica* Dümmer 20329  
 V 20913 New Caledonia 20329  
 V *Callitris oblonga* A.Rich. & Rich. 20681, 20316  
 V 20681 Australia - New South Wales 20681  
 E *Callitris sulcata* (Parl.) Schltr. 20329  
 E 20893 New Caledonia 20329  
 V *Calocedrus formosana* (Florin) Florin 20018  
 V 20511 Taiwan (north and central) 20018  
 V *Calocedrus macrolepis* Kurz 11139  
 V 18270 China - Hainan Is. 11139  
 V 18270 China - Guangxi 11139  
 V 18270 China - Guizhou 11139  
 V 18270 China - Yunnan 11139  
 V 18270 Myanmar (north-east) 18270  
 E 20985 Vietnam 6057  
 R *Chamaecyparis formosensis* Matsum. 20018  
 R 20761 Taiwan (central and northern parts of Zhongyang Range) 17617  
 R *Chamaecyparis lawsoniana* (A. Murr.) Parl. 20850, 20171  
 I 20850 U.S. - California (coastal) 20850  
 R 20850 U.S. - Oregon (south-west) 20850  
 V *Chamaecyparis obtusa* Sieb. & Zucc. var. *formosana* (Hayata) Hayata 20018  
 V 20761 Taiwan 18270  
 R *Chamaecyparis thuyoides* (L.) Britten, Sterns & Poggenburg var. *henryae* (H. L. Li) Little 20346  
 R 18270 U.S. - Alabama 18270  
 R 18270 U.S. - Florida 18270  
 R 18270 U.S. - Mississippi 18270  
 V *Cupressus arizonica* Greene var. *montana* (Wiggins) Little 20346  
 V 20761 Mexico - Baja California Peninsula 20457  
 R *Cupressus arizonica* Greene var. *nevadensis* (Abrams) Little 19002  
 R 18270 U.S. - California (Piute Mts) 20457

- V *Cupressus arizonica* Greene var. *stephensonii* (C.B. Wolf) Little 20346  
 V 18270 U.S. - California (Cuyamaca Mts) 20457  
 E *Cupressus atlantica* Gausson 18270  
 E 20761 Morocco (southern, near Tizi-n-Test) 10370  
 V *Cupressus bakeri* Jepson 20850  
 V 20850 U.S. - California 20850  
 E 20850 U.S. - Oregon 20850  
 V *Cupressus cashmeriana* Royle ex Carrière 8477  
 V 19723 Bhutan 8477  
 V *Cupressus chengiana* S.Y. Hu 18270  
 V 17617 China - Gansu (southern (Min River drainage): Zhouqu; Wudu; Wengxian) 11139  
 V 17617 China - Sichuan (north-west) 11139  
 E *Cupressus chengiana* S.Y. Hu var. *jiangensis* (N. Chao) C.T. Kuan 18270  
 E 18270 China - Sichuan 18270  
 R *Cupressus duclouxiana* Hickel 18270  
 R 18270 China - Sichuan (southwestern) 18270  
 R 18270 China - Xizang Zizhiqu (southeastern) 18270  
 R 18270 China - Yunnan 18270  
 E *Cupressus dupreziana* A. Camus 20389  
 E 18270 Algeria 20389  
 V *Cupressus gigantea* W. C. Cheng & L.K. Fu 17617  
 V 20761 China - Xizang Zizhiqu (southeastern, Tsangpo River valley) 11139  
 E *Cupressus goveniana* Gord. 20850  
 E 20850 U.S. - California 20850  
 E *Cupressus goveniana* Gord. var. *abramsiana* (C.B. Wolf) Little 20346, 7996  
 E 20761 U.S. - California (San Mateo & Santa Cruz mountains) 20346  
 E *Cupressus goveniana* Gord. var. *pygmaea* Lemmon 20346  
 E 20850 U.S. - California (Mendocino Co.) 20346  
 V *Cupressus guadalupensis* S.Watson var. *forbesii* (Jepson) Little 20346  
 V 19723 U.S. - California (southwestern) 20457  
 V 19723 Mexico - Baja California Peninsula 20457  
 E *Cupressus guadalupensis* S.Watson var. *guadalupensis* 18270  
 E 18270 Mexico - Guadalupe 18270  
 R *Cupressus lusitanica* Mill. var. *benthamii* (Endl.) Carrière 20344  
 R 18270 Mexico - Hidalgo 20344  
 R 18270 Mexico - Puebla 20344  
 R 18270 Mexico - Veracruz 20344  
 R *Cupressus macnabiana* A. Murr. 20850  
 I 20850 U.S. - California 20850  
 R *Cupressus sargentii* Jepson 20850  
 I 20850 U.S. - California 20850  
 R *Fitzroya cupressoides* (Molina) I. M. Johnston 20883, 15088  
 E 20761 Argentina 20883  
 E 20176 Argentina - Chubut 20176  
 E 20176 Argentina - Neuquen 20176  
 E 20176 Argentina - Rio Negro 20176  
 E 20761 Chile 20883  
 R *Fokienia hodginsii* (Dunn) Henry & Thomas 11139  
 V 17617 China - Fujian (west and northwest)

**The 1997 IUCN Red List of Threatened Plants**

**Pinopsida: Cupressaceae: *Fokienia***

- 17617  
**V** 17617 China - Guangdong (northern) 17617  
**V** 17617 China - Guangxi (northeast and south) 17617  
**V** 17617 China - Guizhou (southeast and northwest) 17617  
**V** 17617 China - Hunan (Dupang Shan) 17617  
**V** 17617 China - Jiangxi (east and southwest) 17617  
**V** 17617 China - Sichuan (south, south-east) 17617  
**V** 17617 China - Yunnan (southeastern & central) 17617  
**V** 17617 China - Zhejiang (southern) 17617  
**V** 18270 Laos (northern) 17940  
**K** 20985 Vietnam 18270
- E** *Juniperus barbadensis* L. 18270  
**E** 18270 St Lucia (Pent Piton) 18270
- E** *Juniperus bermudiana* L. 19407  
**E** 18270 Bermuda 19407
- I** *Juniperus blancoi* Martínez 9018  
**I** 20761 Mexico - Durango (El Salto) 9018  
**I** 20761 Mexico - Mexico State (Carmona) 9018  
**I** 20761 Mexico - Sonora (north-east) 9018
- E** *Juniperus brevifolia* (Seub.) Antoine 18270, 20171  
**E** 20761 Portugal - Azores 18270
- E** *Juniperus cedrus* Webb & Berthel. 18270  
**E** 20761 Portugal - Madeira 18270  
**E** 20761 Spain - Canary Is. (Tenerife, Palma) 18270
- R** *Juniperus centrasiatica* Komarov 18270  
**R** 18270 China - Xinjiang Uygur Zizhiqu (Kuen Luen Mts.) 18270
- V** *Juniperus comitana* Martínez 9004  
**V** 18270 Guatemala (north) 9004  
**V** 18270 Mexico - Chiapas (Columbretes Is.) 9018
- E** *Juniperus communis* L. var. *megistocarpa* Fern. & St. John 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Nova Scotia 20850
- R** *Juniperus convallium* Rehder & Wilson 18270  
**R** 18270 China - Sichuan (north-west) 18270  
**R** 18270 China - Xizang Zizhiqu (south-east) 18270
- R** *Juniperus convallium* Rehder & Wilson var. *microsperma* (Cheng & Fu) Silba 18270  
**R** 18270 China - Xizang Zizhiqu (south-east) 18270
- I** *Juniperus deppeana* Steud. var. *patoniana* (Martínez) T.A. Zanoni 9018  
**I** 20761 Mexico - Durango 9018
- I** *Juniperus deppeana* Steud. var. *zacatecensis* Martínez 9018  
**I** 20761 Mexico - Durango 9018  
**I** 20761 Mexico - Zacatecas (west) 9018
- V** *Juniperus durangensis* Martínez 18270  
**V** 18270 Mexico - Aguascalientes 18270  
**V** 18270 Mexico - Chihuahua 18270  
**V** 18270 Mexico - Durango 18270  
**V** 18270 Mexico - Jalisco 18270  
**V** 18270 Mexico - Sonora 18270  
**V** 18270 Mexico - Zacatecas 18270
- Ex/E** *Juniperus ekmanii* Florin 18270  
**Ex/E** 18270 Haiti (Morne la Selle; Morne la Visite) 19407
- V** *Juniperus gamboana* Martínez 18270  
**V** 20761 Guatemala (Huehuetenango) 9018  
**V** 20761 Mexico - Chiapas 9018
- R** *Juniperus gausseii* Cheng 18270  
**R** 18270 China - Yunnan 18270
- E** *Juniperus gracilior* Pilg. 18270  
**E** 20761 Dominican Republic (Constanza) 9018
- E** *Juniperus jaliscana* Martínez 20344  
**E** 20761 Mexico - Durango (south) 18270  
**E** 20761 Mexico - Jalisco (north-west) 18270
- R** *Juniperus komarovii* Florin 18270  
**R** 18270 China - Sichuan (north) 18270
- I** *Juniperus lucayana* Britton 18270  
**V** 18270 Bahamas 19407  
**I** 20990 Cuba (Isla de Pinos) 18270  
**Ex** 18270 Haiti 18270  
**V** 18270 Jamaica 18270
- R** *Juniperus martinzii* Perez de la Rosa 20344  
**R** 20761 Mexico - Aguascalientes 20344  
**R** 20761 Mexico - Guanajuato 20344  
**R** 20761 Mexico - Jalisco 9027
- R** *Juniperus pingii* Cheng ex Y. de Ferré 18270  
**R** 20761 China - Sichuan (west) 18270  
**R** 20761 China - Yunnan (north-west) 18270
- R** *Juniperus przewalskii* Komarov 18270  
**R** 20761 China - Gansu 18270  
**R** 20761 China - Qinghai (east) 18270  
**R** 20761 China - Sichuan (north) 18270
- V** *Juniperus recurva* Buch-Ham. ex D. Don var. *coxii* (Jacks.) Melville 18270  
**V** 18270 China - Yunnan (north-west) 18270  
**V** 20761 Myanmar (north-west) 20761
- I** *Juniperus standleyi* Steyererm. 9004  
**I** 20822 Guatemala 18270  
**I** 20822 Mexico - Chiapas ( Tacana volcano) 9018
- I** *Juniperus taxifolia* Hook. & Arn. 8038  
**I** 20761 Japan (Ryukyu Is.) 18270  
**I** 20761 Japan - Ogasawara-shoto (Bonin Is.) 8038
- E** *Juniperus urbaniana* Pilg. & Ekman 18270  
**E** 18270 Haiti (Pic la Selle) 19407
- V** *Libocedrus austro-caledonica* Brongn. & Gris 20329  
**V** 20913 New Caledonia 20409
- E** *Libocedrus chevalieri* Buchh. 20329  
**E** 20893 New Caledonia (Mt Humboldt, Mt Kouakoué) 20409
- V** *Libocedrus plumosa* (D. Don) Sarg. 18270  
**V** 20761 New Zealand 20326
- E** *Libocedrus yateensis* Guillaumin 20329  
**E** 20913 New Caledonia (Yaté river, Ouinné river) 20409
- I** *Microbiota decussata* Komarov 5942  
**I** 5942 Russia (Far East) - Khabarovsk 5942  
**I** 5942 Russia (Far East) - Primorye 5942
- E** *Neocallitropsis pancheri* (Carriere) de Laub. 20329  
**E** 20913 New Caledonia (South east) 20409
- V** *Pilgerodendron uviferum* (Don) Florin 10260  
**V** 20761 Argentina (Andes to Tierra del Fuego) 20489  
**E** 20176 Argentina - Chubut 20176  
**E** 20176 Argentina - Neuquen 20176  
**E** 20176 Argentina - Rio Negro 20176  
**E** 20176 Argentina - Santa Cruz 20176  
**V** 18270 Chile (Region X to Tierra del Fuego) 20418

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Cupressaceae: *Pilgerodendron*

- R** *Platycladus orientalis* (L.f.) Franco 18270  
**I** 5942 Tajikistan 5942  
**I** 5942 Uzbekistan 5942  
**R** 18270 China - Gansu (south) 18270  
**R** 18270 China - Hebei 18270  
**R** 18270 China - Henan 18270  
**R** 18270 China - Shaanxi (south) 18270  
**R** 18270 China - Shanxi 18270  
**R** 20761 Iran 20761
- R** *Tetraclinis articulata* (Vahl) Mast. 13351, 20171  
**E** 13351 Malta (Maqluba - Qrendi) 13351  
**E** 18270 Spain (Cartagena) 20406  
**R** 18270 Algeria (north) 20430  
**V** 18270 Morocco (north) 20430  
**R** 20761 Tunisia 20430
- R** *Thuja koraiensis* Nakai 11139  
**V** 17617 China - Jilin (Changbaishan) 11139  
**I** 20761 Korea, North (Kogen & south Kankeyo) 20497  
**R** 15923 Korea, South (Mt Sorak, Mt Taebaek) 15923
- Ex** *Thuja sutchuenensis* Franchet 11139  
**Ex** 18270 China - Sichuan (north-east, near Chengkou) 11139
- E** *Widdringtonia cedarbergensis* Marsh 20604, 20377  
**E** 20604 South Africa - Cape Province (Cedarberg Mts.) 20604
- E** *Widdringtonia schwarzii* (Marloth) Mast. 20604, 18270  
**E** 20604 South Africa - Cape Province (Willowmore District) 20604

**Pinaceae**

Number of genera: 10-12  
 Number of species: 250  
 Recorded threatened species: 133 (53%)

Northern Hemisphere, south to Sumatra, Java, Central America and West Indies.

- E** *Abies beshanzuensis* M.H. Wu 17617  
**E** 18038 China - Zhejiang 8051
- R** *Abies bracteata* (D. Don) D. Don ex Poit. 18270  
**R** 18270 U.S. - California 18270
- I** *Abies chengii* Rushforth 18270  
**I** 20761 China - Yunnan (north-west) 18270
- V** *Abies chensiensis* Van Tieghem ssp. *chensiensis* 18270  
**V** 18270 China - Gansu (south-east) 18270  
**V** 19723 China - Henan (Nexiang) 11139  
**V** 18270 China - Hubei (west) 18270  
**V** 18270 China - Shaanxi (south) 18270
- I** *Abies chensiensis* Van Tieghem ssp. *yulongxueshanensis* Rushforth 18270  
**I** 20761 China - Yunnan 2050
- V** *Abies durangensis* Martínez var. *coahuilensis* (I.M. Johnston) Martínez 18270  
**V** 20761 Mexico - Coahuila 18270
- E** *Abies fanjingshanensis* W.L. Huang, Y.L. Tu & S.Z. Fang 17617  
**E** 18270 China - Guizhou (north-east) 18270
- I** *Abies forrestii* C. Coltm. Rogers var. *georgiei* (Orr) Farjon 18270  
**I** 20761 China - Sichuan 18270  
**I** 20761 China - Xizang Zizhiqu 18270  
**I** 20761 China - Yunnan 18270
- V** *Abies fraseri* (Pursh) Poir. 20850, 18270

- V** 20850 U.S. - North Carolina (west) 20850  
**V** 20850 U.S. - Tennessee (east) 20850  
**E** 20850 U.S. - Virginia (south-west) 20850
- V** *Abies guatemalensis* Rehder 20883  
**V** 20883 El Salvador 20883  
**V** 20883 Guatemala 20883  
**V** 20883 Honduras 20883  
**V** 20883 Mexico 20883
- V** 1 *Abies guatemalensis* Rehder var. *guatemalensis* 18270  
**V** 20761 El Salvador 20376  
**V** 20761 Guatemala (west) 20376  
**V** 20761 Honduras 20376  
**V** 20761 Mexico (south) 20376
- I** 1 *Abies guatemalensis* Rehder var. *jaliscana* Martínez 18270  
**I** 20761 Mexico - Jalisco 20376
- I** 1 *Abies guatemalensis* Rehder var. *tacanensis* (Lundell) Martínez 20344  
**I** 20761 Mexico - Chiapas (north) 2790
- V** *Abies hickelii* Flos & Gausson var. *hickelii* 18270  
**V** 20761 Mexico - Chiapas 20344  
**V** 20761 Mexico - Guerrero 20344  
**V** 20761 Mexico - Oaxaca 20344
- V** *Abies hickelii* Flos & Gausson var. *oaxacana* (Martínez) Farjon & Silba 18270  
**V** 20761 Mexico - Guerrero 2790  
**V** 20761 Mexico - Oaxaca 2790
- R** *Abies hidalgensis* Debreczy, Rácz & Guizar 21253  
**R** 21253 Mexico - Hidalgo 21253
- R** *Abies koreana* Wilson 15957  
**R** 20761 Russian Federation 15957  
**R** 20761 Korea, South 15957
- R** *Abies lowiana* (Gord.) A. Murr. var. *viridula* Debreczy & Rácz 21253  
**R** 21253 Mexico - Chihuahua 21253
- E** *Abies nebrodensis* (Lojac.) Mattei 10370, 20171  
**E** 18270 Italy - Sicily 10370
- V** *Abies numidica* de Lannoy ex Carrière 18270  
**V** 18270 Algeria (Mt Babor, Mt Tababor) 10487
- R** *Abies pinsapo* Boiss. var. *marocana* (Trabut) Ceballos & Bolanos 18270  
**R** 20761 Morocco (Rif Mts) 18270
- R** *Abies pinsapo* Boiss. var. *pinsapo* 19432  
**R** 20761 Spain 20660
- V** *Abies pinsapo* Boiss. var. *tazaotana* (Cozar ex Hug. del Vill.) Pourtet 18270  
**V** 18270 Morocco (Mt Tazaot) 18270
- V** *Abies recurvata* Masters var. *recurvata* 18270  
**V** 20761 China - Sichuan (Songpan) 18270
- V** *Abies sibirica* Ledeb. ssp. *semenovii* (B.A. Fedtschenko) Farjon 18270  
**V** 18270 Kyrgyzstan 18270  
**V** 20761 China 20761
- V** *Abies squamata* Masters 18270  
**V** 18270 China - Gansu (south) 18270  
**V** 18270 China - Qinghai (south) 18270  
**V** 18270 China - Sichuan (west) 18270  
**V** 18270 China - Xizang Zizhiqu 18270
- R** *Abies veitchii* Lindl. var. *sikokiana* (Nakai) Kusaka 18270  
**R** 18270 Japan (Shikoku) 18270



The 1997 IUCN Red List of Threatened Plants

Pinopsida: Pinaceae: *Abies*

- V** *Abies vejarii* Martínez ssp. *mexicana* (Martínez) Farjon 16386  
**V** 20761 Mexico - Coahuila (south-east) 18270  
**V** 20761 Mexico - Nuevo Leon 18270
- E** *Abies yuanbaoshanensis* Y.J. Lu & L.K. Fu 17617  
**E** 18270 China - Guangxi 11139
- R** *Abies zapotekensis* Debreczy, Rác & Ramírez 21253  
**R** 21253 Mexico - Oaxaca 21253
- E** *Abies ziyuanensis* L.K. Fu & S.L. Mo 17617  
**E** 18270 China - Guangxi (Ziyuan) 11139  
**E** 18270 China - Hunan 11139
- R** *Cathaya argyrophylla* Chun & Kuang 11139  
**R** 20761 China - Guangxi (Longsheng, Jinxiu) 11139  
**R** 20761 China - Guizhou (Daozheng, Tongxing, Tongxi) 10439  
**R** 20761 China - Hunan (Luohandong, Bamianshan) 17617  
**R** 20761 China - Sichuan 10439
- V** *Cedrus brevifolia* (Hook.f.) Henry 18270  
**V** 18270 Cyprus (Mt. Triphylos) 20761
- R** *Keteleeria fortunei* (Andr. Murr) Carrière 11139  
**R** 20761 China - Fujian 11139  
**R** 20761 China - Guangdong 11139  
**R** 20761 China - Guangxi 11139  
**R** 20761 China - Guizhou 20761  
**R** 20761 China - Hunan 20761  
**R** 20761 China - Jiangxi 20761  
**R** 20761 China - Yunnan 20761  
**R** 20761 China - Zhejiang 20761  
**R** 20761 Vietnam 20761
- V** *Larix chinensis* Beissner 17617  
**V** 17617 China - Shanxi (Qingling) 11139
- R** *Larix decidua* Mill. ssp. *polonica* (Racib.) Domin 20171  
**V** 18270 Poland (Carpathian Mts.) 18270  
**R** 19947 Romania (Carpathian Mts.) 20650  
**E** 20655 Ukraine (Carpathian Mts.) 20650
- R** *Larix griffithiana* Hook. var. *speciosa* (Cheng & Law) Silba 18270  
**R** 20761 China - Sichuan 19703  
**R** 18270 China - Xizang Zizhiq (south-east) 18270  
**R** 18270 China - Yunnan (north-west) 18270  
**R** 20761 Myanmar (North) 19703
- V** *Larix mastersiana* Rehder & E. Wilson 17617  
**V** 20761 China - Sichuan (west) 8482
- V** *Larix potaninii* Batalin var. *himalaica* (Cheng & Fu) Farjon & Silba 18270  
**V** 18270 China - Xizang Zizhiq (south (himalaya)) 18270  
**V** 20761 Nepal 20761
- V** *Nothotsuga longibracteata* (Cheng) Hu ex C. N. Page 18270  
**E** 18270 China - Fujian (south) 8482  
**E** 18270 China - Guangdong (north) 8482  
**E** 18270 China - Guangxi (north-east) 8482  
**E** 18270 China - Guizhou (north-east) 8482  
**E** 18270 China - Hunan (south-west) 8482  
**V** 11139 China - Jiangxi 11139
- V** *Picea alcoquiana* (Veitch ex Lindl.) Carrière var. *acicularis* (Shirasawa) Fitschen 18270  
**V** 18270 Japan (central (Yatsugadake mountains)) 20501
- R** *Picea alcoquiana* (Veitch ex Lindl.) Carrière var. *alcoquiana* 18270  
**R** 18270 Japan (central) 20501
- R** *Picea alcoquiana* (Veitch ex Lindl.) Carrière var. *reflexa* (Shirasawa) Fitschen 18270  
**R** 18270 Japan (central: Akaishi Range) 20501
- E** *Picea aurantiaca* Masters 17617  
**E** 18270 China - Sichuan (Kangding, Zheduo Shan) 8482
- V** *Picea brachytyla* (Franch.) Pritzel 11139  
**V** 18270 China - Gansu (Zhueni; Zhouqu) 11139  
**V** 17617 China - Henan (Xixia) 11139  
**V** 18270 China - Hubei (West) 17617  
**V** 18270 China - Shaanxi (Pingli; Langao; Fengxian) 11139  
**V** 18270 China - Sichuan (east & north) 17617  
**V** 18270 China - Xizang Zizhiq 18270  
**V** 18270 China - Yunnan (north-west) 18270
- V** *Picea brachytyla* (Franch.) Pritzel var. *complanata* (Masters) Cheng ex Rehder 18270  
**V** 18270 China - Sichuan (west) 17617  
**V** 18270 China - Yunnan (north-west) 17617  
**V** 18270 India (north-east) 18270  
**V** 18270 India - Arunachal Pradesh 16386  
**V** 18270 Myanmar (north) 16386
- R** *Picea breweriana* S.Watson 20850  
**I** 20850 U.S. - California (Siskiyou Mts) 20850  
**R** 20850 U.S. - Oregon (south-west) 20850
- V** *Picea chihuahuana* Martínez 19894  
**V** 18270 Mexico - Chihuahua (south-west) 10600  
**V** 18270 Mexico - Durango (south) 10600  
**V** 18270 Mexico - Nuevo Leon 20480
- V** *Picea engelmannii* Parry ex Engelm. ssp. *mexicana* (Martínez) P. Schmidt 16386  
**V** 18270 Mexico - Chihuahua 20475  
**V** 18270 Mexico - Nuevo Leon 19894
- E** *Picea farreri* C.N. Page & Rushforth 20507  
**E** 18270 Myanmar (Feng-Shui-Ling Valley) 20507
- R** *Picea jezoensis* (Sieb. et Zucc.) Carrière var. *komarovii* (V.N. Vasiljev) Cheng & Fu 18270  
**R** 18270 China - Jilin 16386  
**R** 18270 Korea, North 16386
- R** *Picea koraiensis* Nakai var. *koraiensis* 18270  
**R** 18270 Russian Federation (Ussuri River) 16386  
**R** 18270 China - Jilin 16386  
**R** 18270 Korea, North 16386
- R** *Picea koraiensis* Nakai var. *pungsanensis* (Uyeki ex Nakai) Schmidt-Vogt ex Farjon 18270  
**R** 18270 Korea, North (Mt Pungsan) 15957
- E** *Picea koyamae* Shirasawa 18270  
**E** 18270 Japan (Yatsuga-take, Nagano) 20501
- V** *Picea likiangensis* (Franch.) Pritzel var. *hirtella* (Rehder & Wilson) Cheng ex Chen 18270  
**V** 18270 China - Sichuan (west) 18270  
**V** 18270 China - Xizang Zizhiq (south-east) 18270
- E** *Picea likiangensis* (Franch.) Pritzel var. *montigena* (Masters) Cheng ex Chen 18270  
**E** 18270 China - Sichuan (south-west) 18270
- V** *Picea likiangensis* (Franch.) Pritzel var. *rubescens* Rehder & Wilson 18270  
**V** 18270 China - Qinghai (south) 18270  
**V** 18270 China - Sichuan (west) 18270  
**V** 18270 China - Xizang Zizhiq (south-east) 18270
- V** *Picea maximowiczii* Masters var. *maximowiczii* 18270

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Pinaceae: *Picea*

- V 20761 Japan (Yatsugadake Mountains, Fuji-san) 20501
- V *Picea maximowiczii* Masters var. *senanensis* Hayashi 18270  
V 20761 Japan (Yatsugadake Mountains, Fuji-san?) 20501
- R *Picea meyeri* Rehder & Wilson 18270  
R 18270 China - Gansu 18270  
R 18270 China - Hebei 18270  
R 18270 China - Nei Monggol Zizhiqu 18270  
R 18270 China - Shaanxi 18270  
R 18270 China - Shanxi 18270
- V *Picea neveitchii* Masters 11139  
V 18270 China - Gansu (Tianshu; Huixian; Mingshan) 11139  
E 18270 China - Henan (Neixiang) 18270  
V 18270 China - Hubei (Xingshan; Badong) 11139  
V 18270 China - Shaanxi (south) 11139  
V 18270 China - Shanxi (Wutai Shan) 11139  
V 18270 China - Sichuan 18270
- V *Picea omorika* (Panic) Purk. 8000, 20171  
R 21091 Bosnia & Herzegovina 21091
- V *Picea purpurea* Masters 18270  
V 18270 China - Gansu 18270  
V 18270 China - Qinghai (east) 18270  
V 18270 China - Sichuan 18270
- R *Picea retroflexa* Masters 18270  
R 18270 China - Sichuan (west) 18270
- R *Picea spinulosa* (Griffith) Henry 18270  
R 18270 China - Xizang Zizhiqu (south-east) 18270  
R 18270 Bhutan 10777  
R 18270 India - Sikkim (east Himalaya) 10777
- R *Picea torano* (K. Koch) Koehne 18270  
R 18270 Japan (Honshu, Kyushu, Shikoku) 20502
- R *Picea wilsonii* Masters 18270  
R 18270 China - Gansu 18270  
R 18270 China - Hebei 18270  
R 18270 China - Hubei 18270  
R 18270 China - Shaanxi 18270  
R 18270 China - Shanxi 18270  
R 18270 China - Sichuan (west) 18270
- V *Pinus amamiana* Koidzumi 18270  
V 18270 Japan (Yakushima, Tanegashima) 10370
- R *Pinus aristata* Engelm. 20850, 20171  
V 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850
- R *Pinus arizonica* Martínez var. *cooperi* (C.E. Blanco) Farjon 20761  
R 20883 Mexico 20883
- R *Pinus arizonica* Martínez var. *stormiae* Martínez 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Texas 20850  
R 20883 Mexico 20883
- R *Pinus armandii* Franch. var. *mastersiana* (Hayata) Hayata 18270  
R 18270 Taiwan 18270
- R *Pinus ayacahuite* var. *veitchii* Shaw 20883  
R 20883 Mexico 20883
- V *Pinus balfouriana* Grev. & Balf. 20850, 19002  
I 20850 U.S. - California 20850
- R *Pinus balfouriana* Jeffrey ex Andr. Murray ssp. *austrina* R. Mastrogioseppe & J. Mastrogioseppe 18270
- R 18270 U.S. - California (Tulare, Fresno and Inyo counties) 18270
- R *Pinus balfouriana* Jeffrey ex Andr. Murray ssp. *balfouriana* 20761  
R 20761 U.S. - California (Klamath Mnts.) 20761
- V *Pinus bhutanica* Grierson, Long & Page 18270  
V 18270 Bhutan 10777
- R *Pinus brutia* Ten. var. *eldarica* (Medw.) Silba 18270  
V 18270 Azerbaijan (Georgian border) 18270  
R 18270 Afghanistan 18270  
R 18270 Iran 18270
- V *Pinus brutia* Ten. var. *pityusa* (Stev.) Silba 18270  
V 18270 Syria 18270  
V 11552 Russian Federation (Caucasus) 11552  
V 18270 Georgia (Black Sea coast) 18270  
V 18270 Ukraine - Crimea 20654
- V *Pinus bungeana* Zucc. ex Endl. 18270  
V 18270 China - Gansu (south) 18270  
V 18270 China - Hebei 18270  
V 18270 China - Henan 18270  
V 18270 China - Hubei (Badong Xian) 18270  
V 18270 China - Shaanxi 18270  
V 18270 China - Shanxi 18270  
V 18270 China - Sichuan (north) 18270
- R *Pinus canariensis* Sweet ex Spreng. 18270, 20171  
R 18270 Spain - Canary Is. 18270
- V *Pinus catarinae* M.-F. Robert-Passini 20883, 14279  
V 20883 Mexico 20883
- V *Pinus cembroides* Zucc. ssp. *lagunae* (M.-F. Passini) D.K. Bailey 14279  
V 18270 Mexico - Baja California Sur (Sierra de la Laguna) 20465
- R *Pinus cembroides* Zucc. ssp. *orizabensis* D.K. Bailey 20883, 18270  
R 20883 Mexico 20883  
R 18270 Mexico - Puebla 20465  
R 18270 Mexico - Tlaxcala 20465  
R 18270 Mexico - Veracruz 20465
- R *Pinus chihuahuana* Engelm. 18270  
R 18270 U.S. - Arizona (south) 18270  
R 18270 U.S. - New Mexico (south-west) 18270  
R 18270 Mexico (Sierra Madre Occidental) 18270  
R 18270 Mexico - Chihuahua 20344  
R 18270 Mexico - Durango 20344  
R 18270 Mexico - Jalisco 20344  
R 18270 Mexico - Nayarit 20344  
R 18270 Mexico - Sonora 20344  
R 18270 Mexico - Zacatecas 20344
- R *Pinus clausa* (Chapman ex Engelm.) Vasey ex Sarg. 20850, 18270  
R 18270 U.S. - Alabama (Baldwin County) 20850  
I 20850 U.S. - Florida 20850
- V *Pinus contorta* Dougl. ex Loud. var. *bolanderi* (Parl.) Vasey 20850, 18270  
V 20850 U.S. - California (Mendocino County) 20850
- I *Pinus contorta* Dougl. ex Loud. var. *murrayana* (Balf.) Critchfield 20346  
I 19848 Mexico 19848
- R *Pinus coulteri* D. Don 10167  
R 18270 U.S. - California 18270  
I 19848 Mexico 19848  
V 16360 Mexico - Baja California Peninsula 10167

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Pinaceae: *Pinus*

- V** *Pinus culminicola* Andresen & Beaman 20883, 10567  
**E** 18270 Mexico - Coahuila 20479  
**E** 18270 Mexico - Nuevo Leon 20479
- E** *Pinus dabeshanensis* W.C.Cheng & Y.W.Law 11139  
**E** 17617 China - Anhui 11139  
**E** 17617 China - Henan 11139  
**E** 17617 China - Hubei 11139
- E** *Pinus dalatensis* Y. de Ferré 18270  
**R** 20985 Vietnam (Mountains north of Dalat) 20456
- R** *Pinus densiflora* Sieb. & Zucc. var. *funebri*  
 (Komarov) Liou & Wang 18270  
**V** 18270 Russian Federation (maritime province) 20497  
**R** 18270 Korea, North 20497
- R** *Pinus durangensis* Mart. 20883  
**R** 20883 Mexico 20883
- V** *Pinus fenzeliana* Hand.-Mazz. 18270  
**V** 18270 China - Hainan Is. 18270  
**V** 18270 Vietnam 18270
- R** *Pinus gerardiana* Wallich ex D.Don 18270  
**R** 18270 China - Xizang Zizhiqu (south) 18270  
**R** 18270 Afghanistan (east) 10483  
**R** 18270 India - Jammu & Kashmir 18270  
**R** 18270 Pakistan (north) 20456
- R** *Pinus greggii* Engelm. 20883, 18270  
**R** 14279 Mexico - Coahuila (south) 20376  
**R** 14279 Mexico - Hidalgo 20376  
**R** 14279 Mexico - Nuevo Leon 20458  
**R** 14279 Mexico - San Luis Potosi 20376
- V** *Pinus halepensis* Miller var. *ceciliae*  
 Llorens  
**V** Spain - Balearic Is.
- V** *Pinus heldreichii* H.Christ var. *heldreichii* 8000, 20171  
**V** 18270 Greece (Olimbos) 8000
- R** *Pinus heldreichii* H.Christ var. *leucodermis* (Ant.) Markgraf ex Fitschen 8000, 20171  
**R** 18270 Albania 18270  
**R** 18270 Greece 18270  
**R** 18264 Italy (Basilicata; Campania) 18264  
**R** 18270 (former) Yugoslavia (south) 18270
- R** *Pinus herrerae* Martínez 18270  
**R** 18270 Mexico (south-west) 20376  
**R** 18270 Mexico - Colima 20344  
**R** 18270 Mexico - Durango 20344  
**R** 18270 Mexico - Guerrero 20344  
**R** 18270 Mexico - Jalisco 20344  
**R** 18270 Mexico - Michoacan 20344  
**R** 18270 Mexico - Sinaloa 20344
- V** *Pinus jaliscana* Perez de la Rosa 20883, 18270  
**V** 18270 Mexico - Jalisco (west) 14279
- R** *Pinus johannis* M.-F. Robert 9021  
**R** 18270 Mexico - Coahuila 14279  
**R** 18270 Mexico - Nuevo Leon 14279  
**R** 18270 Mexico - Zacatecas 9021
- E** *Pinus krempfii* Lecomte 6057  
**R** 20985 Vietnam (Khanh Hoa, Lam Dong) 15160
- V** *Pinus kwangtungensis* Chun Tsiang 17617  
**V** 17617 China - Guangdong (north) 11139  
**V** 17617 China - Hainan Is. (Mt. Wuzhi) 17617  
**V** 17617 China - Guangxi (south & north-east) 11139  
**V** 17617 China - Guizhou (Dushan) 19728  
**V** 17617 China - Hunan (southwest) 11139  
**V** 20985 Vietnam 20454
- R** *Pinus latteri* Mason 18270  
**R** 18270 China - Guangdong 18270  
**R** 18270 China - Hainan Is. 18270  
**R** 18270 China - Guangxi 18270  
**R** 18270 Myanmar (east) 18270  
**R** 18270 Vietnam (north) 18270
- R** *Pinus lawsonii* Roehl ex Gordon & Glend. 18270  
**R** 18270 Mexico (south) 18270  
**R** 18270 Mexico - Guerrero 14279  
**R** 18270 Mexico - Jalisco 14279  
**R** 18270 Mexico - Mexico State 14279  
**R** 18270 Mexico - Michoacan 14279  
**R** 18270 Mexico - Oaxaca 14279  
**R** 18270 Mexico - Puebla 14279
- R** *Pinus lawsonii* Roehl var. *gracilis* Debreczy & Rácz 21253  
**R** 21253 Mexico - Oaxaca 21253
- R** *Pinus longaeva* D.K. Bailey 20850, 18270  
**V** 20850 U.S. - California (east) 20850  
**R** 20850 U.S. - Nevada (south) 20850  
**I** 20850 U.S. - Utah 20850
- R** *Pinus luchuensis* M.yr 18270  
**R** 18270 Japan (Luchu) 18128
- R** *Pinus lumholtzii* Robinson & Fernald 18270  
**R** 18270 Mexico (west) 18128  
**R** 18270 Mexico - Aguascalientes 20344  
**R** 18270 Mexico - Durango 20344  
**R** 18270 Mexico - Guanajuato 20344  
**R** 18270 Mexico - Jalisco 20344  
**R** 18270 Mexico - Nayarit 20344  
**R** 18270 Mexico - Sinaloa 20344  
**R** 18270 Mexico - Sonora 20344  
**R** 18270 Mexico - Zacatecas 20344
- R** *Pinus martinezii* Larsen 20883, 14279  
**V** 18270 Mexico - Jalisco (west) 18270  
**V** 18270 Mexico - Michoacan 14279
- E** *Pinus massoniana* Lambert var. *hainanensis* W.C.Cheng & L.K. Fu 11139  
**E** 17617 China - Hainan Is. (Yajiadaling) 18270
- E** *Pinus maximartinezii* Rzedowski 20883, 9019  
**E** 20883 Mexico 20883  
**E** 18270 Mexico - Zacatecas 20509
- V** *Pinus michoacana* Mart. var. *quevedoi* Mart. 20883  
**V** 20883 Mexico 20883
- R** *Pinus morrisonicola* Hayata 18270  
**R** 18270 Taiwan (central mountains) 20018
- V** *Pinus muricata* D. Don 20883, 20850, 18270  
**R** 18270 U.S. - California (Santa Cruz, Santa Rosa Is.) 20850  
**I** 20883 Mexico 20883  
**R** 18270 Mexico - Baja California Peninsula 20456
- E** *Pinus muricata* D. Don var. *muricata* 20850  
**I** 20850 U.S. - California 20850
- R** *Pinus nelsonii* Shaw 20883, 18270  
**R** 20883 Mexico 20883  
**R** 14279 Mexico - Coahuila (Carmen Mts) 18270  
**R** 14279 Mexico - Nuevo Leon 18270  
**R** 14279 Mexico - San Luis Potosi 14279  
**R** 14279 Mexico - Tamaulipas 14279
- I** *Pinus nigra* ssp. *banatica* 17823  
**I** 17823 Czech Republic 17823  
**I** 17823 Slovakia 17823
- R** *Pinus nigra* J.F.Arnold ssp. *dalmatica* (Visiani) Franco 8000, 20171

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Pinaceae: *Pinus*

- R 14279 (former) Yugoslavia (Dalmatia) 10567
- R *Pinus oaxacana* (Mart.) Mirov var. *diversiformis*  
Debeczy & Rác 21253  
R 21253 Mexico - Oaxaca 21253
- V *Pinus occidentalis* Sw. 18270  
V 18270 Dominican Republic 20460
- R *Pinus oocarpa* Mart. var. *trifoliata*  
Mart. 20883  
R 20883 Mexico 20883
- V *Pinus patula* Schldl. & Cham. ssp. *tecunumanii*  
(Eguiluz & Perry) Styles 18270  
E 10370 Belize 20445  
V 18270 El Salvador 10370  
V 18270 Guatemala 10370  
V 18270 Honduras 20471  
V 18270 Mexico - Chiapas 20445  
V 18270 Mexico - Oaxaca 18270  
E 10370 Nicaragua 10370
- R *Pinus peuce* Griseb. 18270, 20171  
E 20178 Albania 10370  
R 18270 Bulgaria (west) 10370  
R 18270 Greece (extreme north) 10370  
R 18270 (former) Yugoslavia (south) 10370
- R *Pinus pinceana* Gord. 20883, 18270  
R 20761 Mexico - Coahuila 14279  
R 20761 Mexico - Hidalgo 14279  
R 20761 Mexico - Queretaro 14279  
R 20761 Mexico - San Luis Potosi 18270  
R 20761 Mexico - Zacatecas 14279
- R *Pinus pseudostrobus* Mart. var. *apulcensis*  
(Lindley) A.R.Shaw 20883  
R 20883 Mexico 20883
- R *Pinus pseudostrobus* Lindl. var. *estevesii*  
Martínez 18270  
R 14279 Mexico - Coahuila 14279  
R 14279 Mexico - Nuevo Leon 14279  
R 14279 Mexico - Tamaulipas 14279
- R *Pinus quadrifolia* Parl. ex Sudworth 20883, 20850, 18270  
R 18270 U.S. - California (south) 20850  
R 20883 Mexico 20883  
R 18270 Mexico - Baja California Peninsula 18270
- E *Pinus radiata* D. Don var. *binata* (Engelm.)  
Lemn. 20883, 14279  
E 20883 Mexico 20883
- E *Pinus radiata* D. Don var. *radiata*  
D.Don 20883, 20850, 20171  
E 20850 U.S. - California (south) 20850
- R *Pinus reflexa* Engelm. 19850  
R 19850 Mexico 19850
- R *Pinus remota* (Little) D.K. Bailey & Hawksworth 18270  
R 18270 U.S. - Texas (south-west) 18270  
R 18270 Mexico - Chihuahua (east) 18270  
R 18270 Mexico - Coahuila 18270  
R 18270 Mexico - Nuevo Leon (west) 18270
- E *Pinus rzedowskii* Madrigal et Caballero 20883, 14279  
E 19850 Mexico - Michoacan (west) 20344
- V *Pinus strobus* L. var. *chiapensis*  
Martínez 20761  
V 20761 Guatemala (El Quiché) 20883  
V 20761 Mexico 9004  
V 20761 Mexico - Chiapas 20376  
V 20761 Mexico - Guerrero 14279  
V 20761 Mexico - Oaxaca 20376  
V 20761 Mexico - Puebla 20376
- V 20761 Mexico - Veracruz 20376
- I *Pinus sylvestris* L. var. *cretacea* (Kalen.)  
Komarov 5942, 20171  
I 5942 Ukraine 5942
- V *Pinus sylvestris* L. var. *mongolica*  
Litv. 11139  
V 18270 China - Heilongjiang 11139  
V 17617 China - Nei Monggol Zizhiqu (Dattinggan Shan) 17617  
V 18270 Mongolia (Greater & lesser Hinggan Ling) 17617
- V *Pinus sylvestris* ssp. *nevadensis* (Christ)  
Heyw. 15398  
V 15398 Spain (Sierra Nevada) 15398
- V *Pinus sylvestris* L. var. *sylvestrifomis* (Taken.)  
Cheng ex C.D. Chu 18270  
V 18270 China - Jilin (Changbaishan) 17617
- R *Pinus tabuliformis* Carrière var. *henryi* (Mast.)  
C.T. Kuan 18270  
R 18270 China - Hubei 18270  
R 18270 China - Shaanxi 18270  
R 18270 China - Sichuan 18270
- R *Pinus taiwanensis* Hayata var. *damingshanensis* W.C.  
Cheng & L.K. Fu 18270  
R 18270 China - Guangxi (Daming Shan) 18270  
R 18270 China - Guizhou 18270
- E *Pinus torreyana* Parry ex Carr. 20850, 18270  
E 20850 U.S. - California 20850
- E *Pinus torreyana* Parry ex Carr. ssp. *insularis*  
Haller 20850  
E 20850 U.S. - California 20850
- E *Pinus torreyana* Parry ex Carr. ssp.  
*torreyana* 20850  
E 20850 U.S. - California 20850
- E *Pinus wangii* Hu & Cheng 18270  
E 17617 China - Yunnan 11139
- V *Pinus washoensis* Mason & Stockwell 20850, 18270  
I 20850 U.S. - California (north-east) 20850  
V 20850 U.S. - Nevada (Washoe Co.) 20850  
V 20850 U.S. - Oregon 20850
- R *Pinus yunnanensis* Franch. var. *tenuifolia* W.C.  
Cheng & Y.W. Law 18270  
R 18270 China - Guangxi 18270  
R 18270 China - Guizhou 18270
- R *Pseudolarix amabilis* (Nelson) Rehder 18270  
R 17617 China - Anhui (south) 19728  
E 18270 China - Fujian (north) 18270  
R 17617 China - Henan (Gushi) 17617  
R 17617 China - Hubei (Lichuan) 19728  
E 18270 China - Hunan 18270  
R 17617 China - Jiangsu 19728  
E 18270 China - Jiangxi (north) 18270  
R 17617 China - Sichuan (Wanxian) 19728  
E 18270 China - Zhejiang (north) 18270
- V *Pseudotsuga brevifolia* W.C. Cheng & L.K. Fu 17617  
V 17617 China - Guangxi (southwest & northwest) 17617  
V 17617 China - Guizhou (Libe, Anlong) 17617
- R *Pseudotsuga flahaultii* Flous 19850  
R 19850 Mexico 19850
- V *Pseudotsuga forrestii* Craib 17617  
V 17617 China - Sichuan (Mianning; Xichang) 11139  
V 17617 China - Xizang Zizhiqu (Chayu) 11139

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Pinaceae: *Pseudotsuga*

- V 17617 China - Yunnan (northwest) 11139
- V *Pseudotsuga gausseii* Flous 17617  
 V 17617 China - Anhui (southeast) 11139  
 V 17617 China - Fujian (Jianning) 11139  
 V 17617 China - Jiangxi (Dexing) 11139  
 E 18270 China - Sichuan 18270  
 V 17617 China - Zhejiang (north & northwest) 11139
- R *Pseudotsuga guinieri* Flous 19850  
 R 19850 Mexico 19850
- V *Pseudotsuga japonica* (Shiras.) Beissner 18270  
 V 18270 Japan (Honshu, Kyushu, Shikoku) 20501
- R *Pseudotsuga macrocarpa* (Vasey) Mayr 20850, 18270  
 R 18270 U.S. - California (south) 20850
- R *Pseudotsuga menziesii* (Mirb.) Franco var. *oaxacana* Debreczy & Rácz 21253  
 R 21253 Mexico - Oaxaca 21253
- R *Pseudotsuga rehderi* Flous 19848  
 R 19848 Mexico 19848
- V *Pseudotsuga sinensis* Dode 17617  
 V 17617 China - Guizhou 11139  
 V 17617 China - Hubei 11139  
 V 17617 China - Hunan 11139  
 V 17617 China - Shaanxi (Zhengping) 11139  
 V 17617 China - Sichuan 11139  
 V 19723 China - Xizang Zizhiqu 19723  
 V 17617 China - Yunnan 11139
- R *Pseudotsuga wilsoniana* Hayata 20018  
 R 20511 Taiwan 20018
- R *Tsuga caroliniana* Engelm. 20850, 18270  
 E 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 V 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Virginia 20850
- V *Tsuga chinensis* (Franch.) Pritzl var. *oblongisquamata* W.C.Cheng & L.K.Fu 18270  
 V 18270 China - Gansu (Zhouqu) 19728  
 V 18270 China - Hubei (west) 19728  
 V 18270 China - Sichuan (northeast, west & north) 19728
- V *Tsuga chinensis* (Franch.) Pritzl var. *robusta* W.C.Cheng & L.K.Fu 18270  
 V 18270 China - Hubei 18270  
 V 18270 China - Sichuan (Yalong valley) 18270
- V *Tsuga chinensis* (Franchet) Pritzl var. *tchekiangensis* (Flous) Cheng & L.K. Fu 17617  
 V 17617 China - Anhui (Huangshan) 11139  
 V 17617 China - Fujian (Wuzi Shan) 19728  
 V 17617 China - Guangdong (Ruyuan) 11139  
 V 17617 China - Guangxi (Dayao Shan) 17617  
 V 17617 China - Guizhou (Guiyang) 11139  
 V 17617 China - Hunan (Lingxian, Guidong) 11139  
 V 17617 China - Jiangxi (Qianshan) 11139  
 V 17617 China - Yunnan (Maguan, Malipo) 11139  
 V 17617 China - Zhejiang (northwest & southern) 11139
- V *Tsuga forrestii* Downie 17617  
 V 18270 China - Guizhou (Fanjinshen) 18270  
 V 18270 China - Sichuan (south-west) 11139  
 V 18270 China - Yunnan (north-west) 11139
- R *Tsuga mertensiana* (Bong.) Carrière ssp. *mertensiana* var. *jeffreyi* (Henry) Schneider 18270  
 R 18270 Canada - British Columbia (Vancouver Island) 18270  
 R 18270 U.S. - Washington (north) 18270

Podocarpaceae

Number of genera: 6-17  
 Number of species: 125  
 Recorded threatened species: 70 (56%)

Mostly Southern Hemisphere, extending north to Japan, Central America, and West Indies.

- E *Acmopyle sahniana* Buchh. & N.E. Gray 10253  
 E 20761 Fiji (Viti Levu) 10253
- I *Afrocarpus usambarensis* (Pilg.) C.N. Page 20342  
 I 20761 Tanzania (Mbulu & Lushoto) 18270
- R *Dacrycarpus kinabaluensis* (Wasscher) de Laub. 19727  
 R 20761 Malaysia - Sabah (Mt Kinabalu) 19727
- R *Dacrycarpus steupii* (Wasscher) de Laub. 19727  
 R 20761 Indonesia - Irian Jaya 18270  
 Ex 19723 Indonesia - Kalimantan (nr Balikpapan) 19727  
 E 19723 Indonesia - Sulawesi (Latimodjong Mts) 19727
- I *Dacrydium comosum* Corner 19727  
 I 20761 Malaysia - Peninsular Malaysia 20452
- R *Dacrydium cornwalliana* de Laub. 19727  
 R 18270 Indonesia - Irian Jaya 19727  
 R 18270 Papua New Guinea 19727
- V *Dacrydium ericioides* de Laub. 19727  
 V 18270 Malaysia - Sarawak (Merurong plateau) 19727
- R *Dacrydium gibbsiae* Stapf 19727  
 R 18270 Malaysia - Sabah (Mt Kinabalu) 20477
- V *Dacrydium gracilis* de Laub. 19727  
 V 18270 Malaysia - Sabah (Mt Kinabalu) 20477
- E *Dacrydium guillauminii* Buchh. 20329  
 E 20893 New Caledonia 20329
- V *Dacrydium leptophyllum* (Wasscher) de Laub. 19727  
 V 18270 Indonesia - Irian Jaya (Mt Goliath) 19727
- V *Dacrydium lycopodioides* Brongn. & Gris 20329  
 V 20913 New Caledonia (south-east) 20329
- V *Dacrydium nausoriense* de Laub. 10253  
 V 18270 Fiji (Viti Levu) 10253
- R *Dacrydium spathoides* de Laub. 19727  
 R 18270 Indonesia - Irian Jaya 19727
- R *Falcatifolium angustum* de Laub. 19727  
 R 18270 Malaysia - Sarawak (Two locations on the coast.) 19727
- R *Falcatifolium gruezeoi* de Laub. 19727  
 R 18270 Indonesia - Moluccas 19727  
 R 18270 Indonesia - Sulawesi 19727  
 R 18270 Philippines 19727
- V *Halocarpus kirkii* (F. Muell. ex Parl.) Quinn 20328  
 V 20761 New Zealand - North Is. (between Hokiana and Manukau Harbour) 18270
- V *Lepidothamnus fonkii* Phil. 20328  
 E 16336 Argentina 20489  
 E 20176 Argentina - Chubut 20489  
 E 20176 Argentina - Neuquen 20489  
 E 20176 Argentina - Rio Negro 20489  
 V 18270 Chile (Valdivia, Cordillera Pelado, Chiloé Island) 20427
- E *Microstrobos fitzgeraldii* (F.Muell.) J.Garden & L.A.S.Johnson 20681, 20051  
 E 20681 Australia - New South Wales 20681

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Podocarpaceae: *Microstrobos*

- R** *Microstrobos niphophilus* J.Garden & L.A.S.Johnson 20681, 20316  
**R** 18270 Australia - Tasmania 20372
- V** *Nageia fleuryi* (Hickel) de Laub. 20367  
**V** 18270 China - Guangdong (Gaoyao; Longmen & Zengcheng) 17617  
**V** 18270 China - Guangxi (Hepu) 17617  
**V** 18270 China - Yunnan (Mengzi; Pingbian) 17617  
**V** 18270 Kampuchea 18270  
**V** 20985 Vietnam 18270
- R** *Nageia formosensis* (Dümmer) C.N.Page 20018  
**R** 18270 Taiwan (south) 18270
- R** *Nageia maximus* (de Laub.) de Laub. 19727  
**R** 18270 Malaysia - Sarawak 20367
- R** *Podocarpus affinis* Seemann 10253  
**R** 18270 Fiji (Vitu Levu, Namosi, Voma Peak) 10253
- I** *Podocarpus angustifolius* Griseb. 20368  
**I** 20990 Cuba (Las Villas, Pinar del Rio) 20368
- R** *Podocarpus annamiensis* N.E. Gray 20454  
**V** 19703 China - Hainan Is. 11139  
**R** 18270 Myanmar (east) 18270  
**V** 15734 Vietnam 6057
- R** *Podocarpus atjehensis* (Wasscher) de Laub. 19727  
**R** 18270 Indonesia - Sumatra (Gajo Lands) 19727  
**R** 18270 Papua New Guinea (Wissel Lakes) 19727
- R** *Podocarpus borneensis* de Laub. 19727  
**R** 18270 Indonesia - Kalimantan (incl. Karimata Island) 19727  
**R** Malaysia - Sabah 14184
- V** *Podocarpus capuronii* de Laub. 20419  
**V** 18270 Madagascar (Mt. Ambatomenaloha) 20352
- V** *Podocarpus costalis* C. Presl 10278  
**E** 20511 Taiwan (Orchis Is.) 20018  
**V** 20761 Philippines (Luzon strait Is.) 20443
- V** *Podocarpus costaricensis* de Laub. 20356  
**V** 18270 Costa Rica (San Marcos de Irazu) 20353  
**V** 18270 Panama 20353
- E** *Podocarpus decumbens* N.E. Gray 20329  
**E** 20913 New Caledonia 20329
- R** *Podocarpus deflexus* Ridley 19727  
**R** 18270 Indonesia - Sumatra (Gajo Lands) 19727  
**R** 18270 Malaysia - Peninsular Malaysia 19727
- R** *Podocarpus dispermus* C.White 20681, 20316  
**R** 20681 Australia - Queensland 20681
- R** *Podocarpus fasciculus* de Laub. 20018  
**R** 18270 Taiwan 20118  
**R** 18270 Japan (Ryukyu Islands) 18270
- V** *Podocarpus gibbsii* N.E. Gray 19727  
**V** 18270 Malaysia - Sabah (Mt Kinabalu) 20477
- R** *Podocarpus globulus* de Laub. 19727  
**R** 18270 Indonesia - Kalimantan (northern (Mt Kinabalu, Mt Salim)) 19727
- V** *Podocarpus hispaniolensis* de Laub. 20343  
**V** 18270 Dominican Republic (Cordillera central) 20365
- V** *Podocarpus humbertii* de Laub. 20352  
**V** 18270 Madagascar 20352
- R** *Podocarpus laubenfelsii* Tieng 20481  
**R** 18270 Indonesia - Kalimantan 19727
- V** *Podocarpus longifoliolatus* Pilg. 19748  
**V** 20913 New Caledonia 20329
- V** *Podocarpus lophatus* de Laub. 20443  
**V** 18270 Philippines (Mt Tapulao) 20443
- R** *Podocarpus lucienii* de Laub. 20329  
**R** 20913 New Caledonia 20329
- I** *Podocarpus macrophyllus* (Thunberg ex Murray) D.Don var. *piliramulus* Z.X.Chen & Z.Q.Li 19728  
**I** 19728 China - Hubei (Zhoushan) 19728
- R** *Podocarpus madagascariensis* Baker 20362  
**R** 6963 Madagascar 20352
- V** *Podocarpus madagascariensis* Baker var. *procerus* de laub. 20352  
**V** 18270 Madagascar (Fort Dauphin) 20352
- R** *Podocarpus monteverdeensis* de Laub. 20353  
**R** 18270 Costa Rica (Cordillera de Tilarán, Monteverde Res.) 20366
- V** *Podocarpus nubigenus* Lindl. 10553  
**E** 20176 Argentina - Neuquen 20176  
**V** 19536 Chile - Aisen 20761
- R** *Podocarpus pallidus* N.E. Gray 20485  
**R** 18270 French Polynesia (Tongan Is.) 20485
- V** *Podocarpus parlatoei* Pilg. 12379  
**V** 18270 Argentina 18270  
**V** 18270 Bolivia 20416  
**V** 18270 Peru 12379
- R** *Podocarpus pendulifolius* Buchh. & N.E. Gray 20350  
**R** 18270 Venezuela 20350
- V** *Podocarpus polyspermus* de Laub. 19727  
**V** 20893 New Caledonia 20329
- V** *Podocarpus purdieanus* Hook. 20368  
**V** 18270 Jamaica (Mt Diablo) 20368
- R** *Podocarpus roraimae* Pilg. 20350  
**R** 18270 Venezuela 20493
- V** *Podocarpus rostratus* Laurent 20352  
**V** 18270 Madagascar 20352
- R** *Podocarpus rotundus* de Laub. 20443  
**R** 18270 Indonesia - Kalimantan (Mt Beratus) 20093  
**R** 18270 Philippines (Mt Banajo, Lucban) 20093
- R** *Podocarpus rusbyi* Buchh. & N.E. Gray 20354  
**R** 18270 Bolivia (Mapiiri, Cocopunco) 20354
- R** *Podocarpus salicifolius* Klotzsch & Karsten ex Endl. 20350  
**R** 18270 Venezuela (northern) 20350
- V** *Podocarpus salignus* D. Don 16436  
**V** 20761 Chile - Maule 20761
- R** *Podocarpus spathoides* de Laub. 19727  
**R** 18270 Indonesia - Moluccas (Morotai) 19727  
**R** 18270 Malaysia (Mt Ophir) 19727  
**R** 18270 Papua New Guinea (Rossel Island) 19727  
**R** 18270 Solomon Is. - South 20487
- R** *Podocarpus subtropicalis* de Laub. 18270  
**R** 18270 China - Sichuan (Mt Omei) 18270  
**R** 18270 China - Yunnan 18270
- V** *Podocarpus tixieri* Gausson 18270  
**V** 18270 Kampuchea (Elephant Mts.) 18270  
**V** 18270 Thailand 18270
- V** *Podocarpus transiens* (Pilg.) de Laub. 20377  
**V** 18270 Brazil (Serra do Cipó) 20337
- V** *Podocarpus trinitensis* N.E. Gray 18270  
**V** 18270 Trinidad & Tobago (summit of El Tucuche) 18270

## The 1997 IUCN Red List of Threatened Plants

### Pinopsida: Podocarpaceae: Podocarpus

- V** *Podocarpus urbanii* Pilg. 20368  
**V** 18270 Jamaica (Blue Mts.) 20072
- R** *Prumnopitys andina* (Poepp. ex Endl.) de Laub. 20883  
**R** 20883 Chile 20883
- R** *Prumnopitys laevis* (Bailey) Laubenf. 20681, 14223  
**R** 20681 Australia - Queensland 20681
- V** *Prumnopitys standleyi* (Buchholz & Gray) de Laubenfels 20883, 20353  
**V** 20883 Costa Rica 20883
- E** *Retrophyllum minor* (Carrière) C.N. Page 20342  
**E** 20893 New Caledonia (south-eastern) 20329
- R** *Retrophyllum piresii* (Siba) C.N. Page 20342  
**R** 18270 Brazil - Rondonia (Serra Pacas Novos) 18270
- V** *Saxegothaea conspicua* Lindl. 19448  
**V** 19448 Argentina 19448  
**E** 20176 Argentina - Chubut 20176  
**E** 20176 Argentina - Neuquen 20176  
**E** 20176 Argentina - Rio Negro 20176  
**V** 19534 Chile 20427

## Taxaceae

Number of genera:	5
Number of species:	20
Recorded threatened species:	15 (75%)

Northern Hemisphere, south to Celebes and Mexico; one species in New Caledonia.

- V** *Amentotaxus argotaenia* (Hance) Pilg. 18270  
**V** 18270 China - Fujian 18270  
**V** 18270 China - Gansu 18270  
**V** 18270 China - Guangdong 18270  
**V** 18270 China - Guangxi 18270  
**V** 18270 China - Hubei 18270  
**V** 18270 China - Hunan 18270  
**V** 18270 China - Jiangsu 18270  
**V** 18270 China - Jiangxi 18270  
**V** 18270 China - Sichuan 18270  
**V** 18270 China - Xizang Zizhiqu 18270  
**V** 18270 China - Zhejiang 18270
- V** *Amentotaxus argotaenia* (Hance) Pilg. var. *brevifolia* K.M. Lan & F.H. Zhang 9155  
**V** 18270 China - Guizhou 9155
- V** *Amentotaxus assamica* D.K. Ferguson 20495  
**V** 20761 China (Medog) 20761  
**V** 18270 India - Arunachal Pradesh 20495
- E** *Amentotaxus formosana* Li 20018  
**E** 20761 Taiwan (south-east) 20511
- V** *Amentotaxus poilanei* (De Ferré & Rouane) D.K. Ferguson 19703  
**I** 20985 Vietnam (south) 20496
- V** *Amentotaxus yunnanensis* Li 17617  
**V** 20761 China - Guizhou (Xingyi) 11139  
**V** 20761 China - Yunnan (Wengshanzhou) 11139  
**I** 20985 Vietnam (Ha Tuyen) 20454
- E** *Pseudotaxus chienii* (W.C. Cheng) W.C. Cheng 11139  
**E** 20761 China - Guangdong (Ruyian) 11139  
**E** 20761 China - Guangxi 11139  
**E** 20761 China - Hunan 11139  
**E** 20761 China - Jiangxi (Dexing; Jinggangshan) 11139  
**E** 20761 China - Zhejiang (Longgun, Shuichang, Jiyun) 11139
- R** *Taxus brevifolia* Nutt. 18270  
**R** 18270 Canada - Alberta 18270

- R** 18270 Canada - British Columbia 18270  
**R** 19723 U.S. - Idaho 19723  
**R** 18270 U.S. - Montana 18270  
**R** 18270 U.S. - Oregon 18270  
**R** 19723 U.S. - Washington 19723
- V** *Taxus floridana* Nutt. ex Chapman 20850, 18270  
**V** 20850 U.S. - Florida (Apalachicola River hills) 20850
- R** *Taxus globosa* Schltr. 9004  
**R** 20761 Guatemala 3260  
**R** 20761 Honduras 20468  
**R** 18270 Mexico 9004  
**R** 18270 Mexico - Chihuahua 20480
- V** *Taxus yunnanensis* W.C. Cheng & L.K. Fu 18270  
**V** 18270 China - Sichuan (south west) 9004  
**V** 18270 China - Xizang Zizhiqu (south east) 9004  
**V** 18270 China - Yunnan (north west to west) 9004  
**V** 20761 Myanmar (north) 19703
- R** *Torreya californica* Torr. 20850, 18270  
**R** 20761 U.S. - California (coast ranges, Sierra Nevada) 20850
- V** *Torreya fargesii* Franch. 18270  
**V** 18270 China - Hubei (west) 18270  
**V** 20761 China - Jiangxi 19703  
**V** 20761 China - Shaanxi (south) 19703  
**V** 18270 China - Sichuan (north east & Emei Shan) 19703
- E** *Torreya jackii* Chun 17617  
**E** 18270 China - Fujian (Taining; Puchen) 11139  
**E** 18270 China - Zhejiang 11139
- E** *Torreya taxifolia* Arn. 20850, 18270  
**E** 20850 U.S. - Florida (north-west) 20850  
**E** 20850 U.S. - Georgia (south-west) 20850
- I** *Torreya yunnanensis* Cheng & L.K. Fu 17617  
**I** 20761 China - Yunnan 19703

## Taxodiaceae

Number of genera:	10
Number of species:	16
Recorded threatened species:	10 (62%)

Eastern Asia; Tasmania; North America.

- R** *Cryptomeria japonica* (L. f.) D. Don var. *japonica* 18270  
**R** 19723 Japan 17882
- V** *Cunninghamia konishii* Hayata 18270  
**V** 18270 Taiwan (northern central) 19703
- E** *Cunninghamia unicanaliculata* D.Y. Wang & H.L. Liu 17617  
**E** 17617 China - Sichuan (Dechang, Miyi, Yieyu) 18270
- R** *Glyptostrobus pensilis* (Staunton) K. Koch 18270  
**R** 17617 China - Fujian (northern and southern) 17617  
**R** 17617 China - Guangdong (southern) 17617  
**R** 17617 China - Hainan Is. 18270  
**R** 17617 China - Guangxi 18270  
**R** 17617 China - Jiangxi 18270  
**R** 17617 China - Sichuan 19703  
**R** 17617 China - Yunnan (southeastern (Pingbian)) 17617  
**E** 20985 Vietnam 6057
- E** *Metasequoia glyptostroboides* Hu & Cheng 17617  
**E** 17617 China - Hubei (Lichuan) 11139  
**E** 17617 China - Hunan (Longshan & Sangzhi)

The 1997 IUCN Red List of Threatened Plants

Pinopsida: Taxodiaceae: *Metasequoia*

- 11139  
**E** 17617 China - Sichuan (Shizhu) 11139  
**V** *Sciadopitys verticillata* (Thunb. ex J.A. Murray) Sieb. & Zucc. 18270  
**V** 19723 Japan (south) 18270  
**V** *Sequoiadendron giganteum* (Lindl.) Buchh. 20850, 20171  
**V** 20761 U.S. - California 20850  
**V** *Taiwania cryptomerioides* Hayata 18270  
**V** 20511 Taiwan (Zhongyang Range) 17617  
**R** *Taiwania flousiana* Gaussen 17617  
**R** 17617 China - Sichuan (southeast) 19703  
**R** 17617 China - Yunnan 11139  
**V** 18270 Myanmar (north) 18270  
**R** *Taxodium mucronatum* Ten. 18270  
**R** 18270 U.S. - Texas (south) 18270  
**R** 18270 Guatemala (Huehuetenango) 9004  
**R** 18270 Mexico 20369

Ginkgoopsida

Ginkgoaceae

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

China.

- R** *Ginkgo biloba* L. 11139  
**R** 17617 China - Zhejiang (Xitianmushan) 11139

Cycadopsida

Cycadaceae

Number of genera: 1  
 Number of species: 35  
 Recorded threatened species: 20 (57%)

Madagascar; eastern and Southeast Asia; Indomalaysia; Australia; Polynesia.

- E** 1 *Cycas beddomei* Dyer 11494  
**E** 20016 India - Andhra Pradesh 11494  
**R** 11 *Cycas brunnea* K.Hill 20681, 20016  
**I** 20681 Australia - Northern Territory 20016  
**I** 20681 Australia - Queensland 20016  
**V** 11 *Cycas cairnsiana* F.Muell. 20681, 13882  
**V** 20681 Australia - Queensland 13882  
**R** 11 *Cycas celebica* Miq.  
**R** Indonesia - Sulawesi  
**V** 11 *Cycas chamberlainii* W.H. Brown & Kienholz 17674  
**V** 20016 Philippines 17674  
**V** 11 *Cycas conferta* Chirgwin 20681, 13882  
**V** 20681 Australia - Northern Territory 13882  
**R** 11 *Cycas couttsiana* K.Hill 20681, 20016  
**R** 20681 Australia - Queensland 20016  
*Cycas guizhouensis* K. Lan & R. Zhou 21390, 20016  
**V** 20016 China 20016  
**V** 11 *Cycas hainanensis* C.J. Chen & C.Y. Chen  
**V** 20016 China - Hainan Is. 15015  
**E** 11 *Cycas hongheensis* Yang & Yang 20894  
**E** 20894 China - Yunnan 20894  
**V** 11 *Cycas megacarpa* K.Hill 20681, 20016  
**V** 20681 Australia - Queensland 20016

- E** 11 *Cycas micholitzii* Thisteton-Dyer 17617  
**E** 20894 China - Guangxi (Longzhou) 8243  
**V** 20985 Vietnam 10241  
**E** 11 *Cycas multipinnata* C.J. Chen & S.Y. Yang 20894  
**E** 20894 China - Yunnan 20894  
**V** 11 *Cycas ophiolitica* K.Hill 20681, 20016  
**V** 20681 Australia - Queensland 20681  
**V** 11 *Cycas platyphylla* K.Hill 20681, 20016  
**V** 20681 Australia - Queensland 20016  
**R** 11 *Cycas seemannii* A. Br. 20016  
**R** 20016 Pacific Is. (southwest) 20016  
**R** 20016 Fiji 15015  
**R** 20016 Tonga 15015  
**R** 20016 Vanuatu 15015  
**V** 11 *Cycas silvestris* K.Hill 20681, 20016  
**V** 20681 Australia - Queensland 20016  
**Ex** 11 *Cycas szzechuanensis* C. Cheng & L.K. Fu 20016  
**Ex** 20016 China 20016  
**V** 11 *Cycas taitungensis* Shen. Hill. Tsod & Ohen 20511  
**V** 20511 Taiwan 20511  
**V** 11 *Cycas taiwaniana* Carruth. 11139  
**V** 20016 China - Hainan Is. 11139  
**E** 20854 Taiwan (Taidong; Taizhong) 11139  
**E** 11 *Cycas wadei* Merr.  
**E** 20016 Philippines (Palawan) 13833

Stangeriaceae

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

South Africa.

- R** 1 *Stangeria eriopus* (Kunze) Baill. 20604, 14011  
**E** 20604 Swaziland 20604  
**R** 20604 South Africa - Cape Province (east Cape & Transkei) 20604  
**R** 20604 South Africa - Natal 20604

Zamiaceae

Number of genera: 8  
 Number of species: 144  
 Recorded threatened species: 128 (88%)

Africa; Australia; America.

- E** 1 *Ceratozamia euryphyllidia* Vazquez-Torres, Sabato & D. Stevenson 20883, 11119  
**E** 20016 Mexico - Veracruz 20016  
**E** 1 *Ceratozamia hildae* Landry & M. Wilson 20883, 9114  
**E** 20883 Mexico 20883  
**E** 20016 Mexico - Queretaro 9114  
**E** 20016 Mexico - San Luis Potosi 9114  
**V** 1 *Ceratozamia kuesteriana* Regel 20883, 9114  
**V** 20883 Mexico 20883  
**V** 20016 Mexico - Tamaulipas 20016  
**V** 1 *Ceratozamia latifolia* Miq. 20883, 11988  
**V** 20883 Mexico 20883  
**V** 20016 Mexico - Hidalgo 20016  
**V** 20016 Mexico - Queretaro 20016  
**V** 20016 Mexico - San Luis Potosi 20016  
**R** 1 *Ceratozamia matudae* Lundell 20883, 9114  
**V** 20016 Guatemala 20883  
**V** 20016 Mexico - Chiapas 9114  
**V** 20016 Mexico - Oaxaca 20016  
**I** 1 *Ceratozamia mexicana* Brongn. 20883, 11988



The 1997 IUCN Red List of Threatened Plants

Cycadopsida: Zamiaceae: *Ceratozamia*

- I 19850 Mexico - Hidalgo 20016  
 I 19850 Mexico - Puebla 20016  
 I 19850 Mexico - San Luis Potosi 9114  
 I 19850 Mexico - Veracruz 9114
- E I *Ceratozamia microstrobila* Vovides & Rees 20883, 9114  
 V 20883 Mexico 20883  
 V 20016 Mexico - San Luis Potosi 9114
- V I *Ceratozamia miqueliana* H. Wendl. 20883, 9019  
 V 20883 Mexico 20883  
 V 20016 Mexico - Veracruz 9114
- V I *Ceratozamia norstogii* D. Stevenson 20883, 9114  
 V 20883 Mexico 20883  
 V 20016 Mexico - Chiapas 9114
- R I *Ceratozamia robusta* Miq. 20883, 11988  
 R 20016 Belize 20883  
 R 20016 Guatemala 20883  
 R 19850 Mexico - Chiapas 9114  
 R 19850 Mexico - Veracruz 9114
- V I *Ceratozamia sabatoi* Vovides et al. 19850  
 V 20016 Mexico - Hidalgo 20016  
 V 20016 Mexico - Queretaro 20016
- E I *Ceratozamia zaragozae* Medellin-Leal 20883, 9114  
 E 20883 Mexico 20883  
 E 20016 Mexico - San Luis Potosi 9114
- E I *Chigua bernalii* D. Stevenson 20883, 15015  
 E 20016 Colombia 20883
- E I *Chigua restrepoi* D. Stevenson 20883, 15015  
 E 20016 Colombia 20883
- E II *Dioon califanoi* De Luca & Sabato 20883, 9019  
 V 20883 Mexico 20883  
 V 20016 Mexico - Oaxaca 9114  
 V 20016 Mexico - Puebla 20016
- E II *Dioon caputoi* De Luca, Sabato & Vazquez-Torres 20883, 9019  
 E 20883 Mexico 20883  
 E 20016 Mexico - Puebla 9114
- R II *Dioon edule* Lindley 20883  
 R 20883 Mexico 20883
- R II *Dioon edule* Lindley var. *angustifolium* (Miq.) Miq. 20883, 20016  
 R 20883 Mexico 20883  
 R 20016 Mexico - Nuevo Leon 15015  
 R 20016 Mexico - San Luis Potosi 15015  
 R 20016 Mexico - Tamaulipas 15015
- V II *Dioon holmgrenii* De Luca, Sabato & Vazquez-Torres 20883, 20016  
 E 20016 Mexico - Oaxaca 19850
- V II *Dioon mejiae* Standley & L.O. Williams 20883, 20016  
 R 20016 Honduras (North) 20883  
 R 20016 Nicaragua 20883
- V II *Dioon merolae* De Luca, Sabato & Vazquez-Torres 20883, 20016  
 V 20883 Mexico 20883  
 V 20016 Mexico - Chiapas 19850
- V II *Dioon purpusii* Rose 20883, 9019  
 V 20883 Mexico 20883  
 V 20016 Mexico - Oaxaca 9114  
 R 16360 Mexico - Puebla 9114
- V II *Dioon rzadowskii* De Luca, A. Moretti, Sabato & Vazquez-Torres 20883, 9019  
 E 20016 Mexico - Oaxaca 9114
- R II *Dioon spinulosum* Dyer 20883, 9019  
 R 20883 Mexico 20883  
 R 20016 Mexico - Oaxaca 9114
- R 20016 Mexico - Veracruz 9114  
 I 16360 Mexico - Yucatan 9114
- R II *Dioon tomasellii* De Luca, Sabato & Vazquez-Torres var. *sonorense* DeLuca, Sabato, V. Torres 20883, 9020  
 V 20016 Mexico (North West coast) 20883
- R II *Dioon tomasellii* De Luca, Sabato & Vazquez-Torres var. *tomasellii* 20883, 9020  
 R 20016 Mexico (South West Coast) 20883
- E I *Encephalartos aemulans* Vorster 20604, 20016  
 E 20604 South Africa - Natal (North) 20604
- V I *Encephalartos altensteinii* Lehm. 20604, 14695  
 V 20604 South Africa - Cape Province (east Cape, Ciskei & Transkei) 20604
- E I *Encephalartos arenarius* R.A.Dyer 20604  
 E 20604 South Africa - Cape Province 20604
- E I *Encephalartos brevifoliolatus* P.Vorster 20847  
 E 20895 South Africa - Transvaal 20847
- V I *Encephalartos bubalinus* Melville 20057  
 V 20057 Kenya (Tanzania border) 19109  
 V 20057 Tanzania (Kenya border) 17435
- V I *Encephalartos caffer* (Thunb.) Lehm. 20604  
 V 20604 South Africa - Cape Province 20604
- E I *Encephalartos cerinus* Lavranos & D.L.Goode 20604, 20016  
 E 20604 South Africa - Natal (kwaZulu) 20604
- E I *Encephalartos chimanimaniensis* R.A.Dyer & I.Verd. 20604, 6088  
 E 20604 Mozambique 20604  
 E 20604 Zimbabwe 20604
- E I *Encephalartos concinnus* R.A.Dyer & I.Verd. 20604, 6088  
 E 20604 Zimbabwe 20604
- E I *Encephalartos cupidus* R.A.Dyer 20604, 17458  
 E 20807 South Africa - Transvaal (east) 20604
- V I *Encephalartos cycadifolius* (Jacq.) Lehm. 20604  
 V 20604 South Africa - Cape Province (east) 20604
- V I *Encephalartos delucanus* Malaisse, Sclavo & Croisiers 20016  
 V 20894 Tanzania 20016
- E I *Encephalartos dolomiticus* Lavranos & D.L.Goode 20604, 17458  
 E 20604 South Africa - Transvaal (east) 20604
- E I *Encephalartos dyerianus* Lavranos & D.L.Goode 20604, 20016  
 E 20604 South Africa - Transvaal (east) 20604
- I I *Encephalartos equatorialis* P.J.H.Hurter & H.F.Glen 20807  
 I 20847 Uganda (Lake Victoria) 20847
- V I *Encephalartos eugene-maraisii* I.Verd. 20604, 20016  
 V 20604 South Africa - Transvaal (west) 20604
- R I *Encephalartos ferox* Bertol.f. 20604, 20016  
 R 20745 Mozambique 20604  
 V 20604 South Africa - Natal 20604
- V I *Encephalartos friderici-guilielmi* Lehm. 20604, 20016  
 V 20604 South Africa - Cape Province (east Cape & Transkei) 20604  
 V 20604 South Africa - Natal 20604
- V I *Encephalartos ghellinckii* Lem. 20604, 20016  
 V 20604 South Africa - Cape Province (Transkei) 20604

The 1997 IUCN Red List of Threatened Plants

Cycadopsida: Zamiaceae: *Encephalartos*

- V 20604 South Africa - Natal 20604
- V 1 *Encephalartos gratus* Prain 20604  
V 20604 Malawi 20604  
V 20604 Mozambique 20604
- E 1 *Encephalartos heenanii* R.A.Dyer 20604, 18023  
E 20604 Swaziland 20604  
E 20604 South Africa - Transvaal 20604
- R 1 *Encephalartos hildebrandtii* A. Braun & Bouche var. *dentatus* Melville 19007  
R Tanzania  
E 19007 Uganda 19007
- V 1 *Encephalartos hirsutus* P.J.H.Hurter & H.F.Glen 20847  
V 20895 South Africa - Transvaal 20847
- V 1 *Encephalartos horridus* (Jacq.) Lehm. 20604, 20016  
V 20604 South Africa - Cape Province 20604
- V 1 *Encephalartos humilis* I.Verd. 20604, 20016  
V 20604 South Africa - Transvaal 20604
- E 1 *Encephalartos inopinus* R.A.Dyer 20604, 17458  
E 20604 South Africa - Transvaal 20604
- V 1 *Encephalartos kisambo* Faden & Bentje 20057  
V 20057 Kenya (Maungu Hills, Kasigau, Kisambo) 20057
- E 1 *Encephalartos laevifolius* Stapf & Burtt Davy 20604, 18023  
E 20604 Swaziland 20604  
E 20604 South Africa - Natal 20604  
E 20604 South Africa - Transvaal 20604
- R 1 *Encephalartos lanatus* Stapf & Burtt Davy 20604, 20016  
R 20604 South Africa - Transvaal 20604
- E 1 *Encephalartos latifrons* Lehm. 20604, 20016  
E 20604 South Africa - Cape Province (east) 20604
- R 1 *Encephalartos laurentianus* De Wild. 20604, 20016  
R 20016 Angola 20016  
R 20016 Zaire 20016
- R 1 *Encephalartos lebomboensis* I.Verd. 20604, 5914  
V 20745 Mozambique 20604  
V 20604 Swaziland 20604  
R 20604 South Africa - Natal 20604  
R 20604 South Africa - Transvaal 20604
- R 1 *Encephalartos lehmannii* Lehm. 20604, 20016  
R 20604 South Africa - Cape Province (east) 20604
- V 1 *Encephalartos longifolius* (Jacq.) Lehm. 20604, 15976  
V 20604 South Africa - Cape Province 20604
- R 1 *Encephalartos manikensis* (Gilliland) Gilliland 20604, 6088  
R 20604 Mozambique 20604  
R 20604 Zimbabwe 20604
- E 1 *Encephalartos marunguensis* Devred  
E 20016 Zaire 6086
- E 1 *Encephalartos middelburgensis* Vors., Robb. & S.van der Westh. 20604, 20016  
E 20604 South Africa - Transvaal (central) 20604
- E 1 *Encephalartos msinganus* Vorster 20016  
E 20016 South Africa - Natal (kwaZulu) 20016
- E 1 *Encephalartos munchii* R.A.Dyer & I.Verd. 20604, 7922  
E 20604 Mozambique 20604
- R 1 *Encephalartos natalensis* R.A.Dyer & I.Verd. 20604, 20016  
R 20604 South Africa - Natal (kwaZulu) 20604
- V 1 *Encephalartos ngoyanus* I.Verd. 20604, 18023  
V 20604 Swaziland 20604  
V 20604 South Africa - Natal (north & kwaZulu) 20604  
V 20604 South Africa - Transvaal (South East) 20604
- E 1 *Encephalartos nubimontanus* P.J.H.Hurter 20847  
E 20847 South Africa - Transvaal 20847
- V 1 *Encephalartos paucidentatus* Stapf & Burtt Davy 20604, 18023  
E 20604 Swaziland 20604  
V 20604 South Africa - Transvaal (east) 20604
- V 1 *Encephalartos powysorum* Beentje 20057  
V 20057 Kenya 19109
- V 1 *Encephalartos princeps* R.A.Dyer 20604, 20016  
V 20604 South Africa - Cape Province 20604
- E 1 *Encephalartos pterogonus* R.A.Dyer & I.Verd. 20604, 7922  
E 20604 Mozambique 20604
- E 1 *Encephalartos schmitzii* Malaisse 19624  
E 20016 Zaire 20016  
E 20016 Zambia 20016
- R 1 *Encephalartos sclavoi* De Luca, D. Stevenson & Moreti 20016  
R 20016 Tanzania 20016
- R 1 *Encephalartos tegulaneus* Melville 20057  
R 20057 Kenya 19109
- R 1 *Encephalartos transvenosus* Stapf & Burtt Davy 20604  
R 20604 South Africa - Transvaal 20604
- V 1 *Encephalartos trispinosus* (Hook.) R.A.Dyer 20604  
V 20604 South Africa - Cape Province (east & Ciskei) 20604
- E 1 *Encephalartos turneri* Lavranos & D.L.Goode 20604, 20016  
E 20604 Mozambique 20604
- V 1 *Encephalartos umbeluziensis* R.A.Dyer 20604, 18023  
V 20604 Mozambique 20604  
E 20604 Swaziland 20604
- E 1 *Encephalartos venetus* Vorster 20604  
E 20604 South Africa - Natal (north) 20016  
E 20604 South Africa - Transvaal (east) 20016
- E 1 *Encephalartos whitelockii* P.J.H.Hurter 20847  
E 20847 Uganda (Mpanga River Falls) 20847
- Ex 1 *Encephalartos woodii* Sander 20604, 3774  
Ex 20604 South Africa - Natal (kwaZulu) 20604
- V 1 *Macrozamia conferta* D.L.Jones & P.I.Forster 20681  
V 20681 Australia - Queensland 20681
- R 1 *Macrozamia crassifolia* P.I.Forster & D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- V 1 *Macrozamia fearnsidei* D.L.Jones 20681, 20016  
V 20681 Australia - Queensland 20681
- R 1 *Macrozamia johnsonii* D.Jones & K.Hill 20681, 20016  
R 20681 Australia - New South Wales 20681
- E 1 *Macrozamia lomandroides* D.L.Jones 20681, 20016  
E 20681 Australia - Queensland 20681
- V 1 *Macrozamia macdonnellii* (Miq.) A.DC. 20681, 20016  
V 20681 Australia - Northern Territory 20681
- R 1 *Macrozamia machinii* P.I.Forster & D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- V 1 *Macrozamia occidua* D.L.Jones & P.I.Forster 20681

The 1997 IUCN Red List of Threatened Plants

Cycadopsida: Zamiaceae: *Macrozamia*

- V 20681 Australia - Queensland 20681
- R** || *Macrozamia parvifolia* P.I.Forster & D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- E** || *Macrozamia platyrhachis* Bailey 20681  
E 20681 Australia - Queensland 20681
- V** || *Macrozamia viridis* D.L.Jones & P.I.Forster 20681  
V 20681 Australia - Queensland 20681
- V** I *Microcycas calocoma* (Miq.) A. DC. 20883, 5607  
E 20016 Cuba (Piñar del Río) 20883
- R** || *Zamia acuminata* Oerst. ex Dyer in Hemsl. 20883, 11988  
V 20883 Costa Rica 20883  
R 20883 Nicaragua 20883  
R 20883 Panama 20883
- R** || *Zamia amplifolia* Hort. ex Masters 20883, 20016  
V 20016 Colombia (Choco) 20883  
V 20883 Ecuador 20883
- R** || *Zamia angustifolia* Jacq. 20883, 11989  
V 20016 Bahamas (Eleuthera) 20883  
V 20016 Cuba (east, mainly Oriente Prov.) 20883
- V** || *Zamia angustissima* Miq. 20883  
V 20883 Cuba 20883
- R** || *Zamia boliviana* (Brongn.) A. DC. 20883, 11988  
R 20883 Bolivia 20883
- R** || *Zamia chigua* Seem. 20883, 11988  
V 20016 Panama 20883  
V 20016 Colombia (Choco) 20883
- V** || *Zamia crennophila* Vovides, Schutzman & Dehgan 20883, 12471  
V 20883 Mexico 20883  
V 20016 Mexico - Tabasco 12471
- V** || *Zamia cunaria* Dressler & D. Stevenson 20883, 20016  
R 20894 Panama 20883
- E** || *Zamia dressleri* D. Stevenson 20883, 20016  
V 20894 Panama 20883
- V** || *Zamia fischeri* Miq. 20883, 9019  
V 20016 Mexico - Nuevo Leon 20016  
V 20016 Mexico - Queretaro 9114  
V 20016 Mexico - San Luis Potosi 9114  
V 20016 Mexico - Veracruz 20016
- V** || *Zamia furfuracea* L.f. in Aiton 20883, 9019  
V 20883 Mexico 20883  
V 9425 Mexico - Veracruz 9019
- R** || *Zamia herrerae* Calderon & Standley 20883, 19850  
E 20016 El Salvador 20883  
E 20016 Guatemala 20883  
E 20016 Honduras 20883  
E 20016 Mexico - Chiapas 20016
- V** || *Zamia inermis* Vovides, Rees & Vazquez-Torres 20883, 9114  
E 9425 Mexico - Veracruz 9114
- V** || *Zamia ipetiensis* D. Stevenson 20883, 20016  
V 20883 Panama 20883
- R** || *Zamia kickxii* Miq. 20883  
R 20894 Cuba 20883
- R** || *Zamia manicata* Linden ex Regel 20883, 11988  
R 20883 Panama 20883  
V 20883 Colombia 20883
- V** || *Zamia montana* A. Br. 20883, 11967  
V 20883 Colombia 20883
- Ex** || *Zamia monticola* Chamberlain 11988  
Ex 19763 Mexico 11988
- R** || *Zamia muricata* Willd. 20883, 11988  
I 20883 Colombia 20883  
R 20016 Venezuela 20883
- I** || *Zamia obliqua* A. Br. 20883, 11988  
V 16317 Panama 20883  
R 20883 Colombia (Choco) 20883
- R** || *Zamia paucijuga* Wieland 19850  
R 20016 Mexico 19850
- R** || *Zamia picta* Dyer 20883, 11988  
R 16319 Belize 16319  
R 11988 Guatemala 11988  
V 20883 Mexico 20883  
R 11988 Mexico - Chiapas 15015
- V** || *Zamia portoricensis* Urban 20883, 11989  
V 20883 Puerto Rico (Susua Forest) 20883
- V** || *Zamia pseudomonticola* L.D. Gomez 20883, 20016  
R 20894 Costa Rica (west) 20883
- V** || *Zamia pseudoparasitica* Yates in Seem. 20883, 11988  
V 20883 Panama 20883
- E** || *Zamia purpurea* Vovides, Rees & Vazquez-Torres 20883, 11988  
E 20016 Mexico - Oaxaca 11988  
E 20016 Mexico - Veracruz 11988
- R** || *Zamia pygmaea* Sims 20883, 11589  
R 20883 Cuba 20883
- R** || *Zamia roezlii* Linden ex Regel 20883, 20807  
V 20016 Panama 20883  
V 20016 Colombia (Choco) 11988  
V 20016 Ecuador 20016
- R** || *Zamia skinneri* Diétr. 20883, 9006  
V 20016 Costa Rica 20883  
V 20016 Nicaragua 20883  
V 20016 Panama 20883  
V 19763 Colombia 11988
- V** || *Zamia soconuscensis* Schutzman, Vovides & Dehgan 20883, 12471  
V 20883 Mexico 20883  
V 20016 Mexico - Chiapas 12471
- E** || *Zamia spartea* A. DC. 20883, 20016  
E 20883 Mexico 20883  
V 20016 Mexico - Oaxaca 20016
- V** || *Zamia splendens* Schutzman 20883, 9114  
V 20883 Mexico 20883  
V 20016 Mexico - Chiapas 9114
- R** || *Zamia standleyi* Schutzman 20883, 20016  
R 20016 Honduras 20883
- E** || *Zamia sylvatica* Chamberlain 20883, 19850  
E 20883 Mexico 20883  
V 19850 Mexico - Oaxaca 15015
- R** || *Zamia tuerckheimii* J.D. Smith 20883, 9004  
? Belize 9004  
I 20883 Guatemala 20883  
I 20883 Honduras 20883
- E** || *Zamia vasquezii* D. Stevenson 19850  
E 20016 Mexico - Veracruz 20016
- E** || *Zamia verschaffeltii* Miq. 20894  
E 20894 Mexico - Chiapas 20894
- V** || *Zamia wallisii* A. Br. 20883, 11988  
V 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Cycadopsida: Acanthaceae: *Acanthus*

**Magnoliopsida (dicots)**

**Acanthaceae**

Number of genera: 228-250  
 Number of species: 2, 500  
 Recorded threatened species: 429 (17%)

Tropical, with only a few species in temperate regions.

- R** *Acanthus dioscoridis* L. var. *brevicaulis* (Freyn)  
 A. Hossain 12840  
 R 12840 Turkey 12840
- R** *Acanthus dioscoridis* L. var. *laciniatus*  
 Freyn 12840  
 R 12840 Turkey 12840
- R** *Acanthus dioscoridis* L. var. *perringii* (Siehe) A.  
 Hossain 12840  
 R 12840 Turkey 12840
- R** *Acanthus latisepalus* C.B. Clarke  
 R Gabon
- E** *Adhatoda beddomei* C.B. Clarke 20263  
 E 20263 India - Kerala (Travancore Hills) 20263
- I** *Andrographis beddomei* C.B. Clarke  
 I India - Andhra Pradesh
- R** *Andrographis glomeruliflorum* Bremek. 19120  
 R 19120 Thailand 19120
- R** *Andrographis rosulata* Brem. 19120  
 R 19120 Thailand 19120
- I** *Andrographis stellata* Clarke 2268  
 I India - Tamil Nadu (Nilgiri Hills) 2268
- R** *Angkalanthus oligophylla* Balf. f. 15534  
 R 15534 Yemen - Socotra 15534
- E** *Angkalanthus paucifolius* Balf. f.  
 E Yemen - Socotra
- R** *Anisacanthus andersonii* T. Daniel 9045  
 R 11620 Mexico 9045
- R** *Anisacanthus tetracaulis* Leonard 9036  
 R 11620 Honduras 9036
- R** *Anisotes diversifolius* Balf. f. 15534  
 R 15534 Yemen - Socotra 15534
- E** *Apassalus parvulus* Alain & Leonard 5607  
 E 19105 Cuba (Guantanamo) 5607
- R** *Aphelandra adscendens* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra albert-smithii* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra arisema* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra bahiensis* (Nees) Wassh. 9036  
 R 11620 Brazil 9036
- R** *Aphelandra benoistii* Wassh. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra botanodes* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra chaponensis* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra chrysantha* Wassh. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra cinnabarina* Wassh. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra clausenii* Wassh. 9036  
 R 11620 Brazil 9036
- R** *Aphelandra colorata* (Vell. Conc.) Wassh. 9036  
 R 11620 Brazil 9036
- R** *Aphelandra crenata* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra crispata* Leonard 9036  
 R 11620 Colombia 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra cuscoensis* Wassh. 18200  
 R 11620 Peru 18200
- E** *Aphelandra darienensis* Wassh. 20883, 9006  
 R 11620 Panama 20883
- R** *Aphelandra dichyla* Leonard 9036  
 R 9036 Colombia 9036
- R** *Aphelandra dielsii* Mildbr. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra dodsonii* Wassh. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra dunlapiana* Standley & L.O. Williams 9036  
 R 11620 Honduras 9036
- R** *Aphelandra eurystoma* Mildbr. 18200  
 R 11620 Peru 18200
- E** *Aphelandra ferreyrae* Wassh. 18200  
 E 11620 Peru 18200
- R** *Aphelandra flammea* Wassh. 9036  
 R 11620 Ecuador 9036
- R** *Aphelandra galba* Wassh. 9036  
 R 11620 Ecuador 9036
- V** *Aphelandra gracilis* Leonard 20883, 9006  
 I 20883 Panama 20883
- R** *Aphelandra hapala* Wassh. 18200  
 R 11620 Peru 18200
- I** *Aphelandra harleyi* Wassh. 9036  
 I 11620 Brazil 9036
- R** *Aphelandra hintonii* Wassh. 9053  
 R 11620 Mexico 9053
- R** *Aphelandra huilensis* Leonard 9036  
 R 9036 Colombia 9036
- I** *Aphelandra ignea* (Schrader) Nees ex Steudel 9036  
 I 11620 Brazil 9036
- R** *Aphelandra juninensis* Wassh. 18200  
 R 11620 Peru 18200
- R** *Aphelandra kolobantha* Lindau 9036  
 R 9036 Bolivia 9036
- E** *Aphelandra latibracteata* Wassh. 18200  
 E 11620 Peru 18200
- E** *Aphelandra laxa* Durkee 20883, 9006  
 R 11620 Panama 20883
- R** *Aphelandra limbatifolia* Lindau 18200  
 R 11620 Peru 18200
- R** *Aphelandra marginata* Nees & Martius 9036  
 R 11620 Brazil 9036
- I** *Aphelandra maximiliana* (Nees) Benth. 9036  
 I 11620 Brazil 9036
- R** *Aphelandra micans* Moritz ex Vatke 9036  
 R 11620 Venezuela 9036

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Aphelandra*

- R *Aphelandra montis-scalaris* Lindau ex Pilger 18200  
R 11620 Peru 18200
- E *Aphelandra mucronata* (Ruiz Lopez & Pavon) Nees 18200  
E 11620 Peru 18200
- R *Aphelandra neesiana* Wassh. 9036  
R 11620 Brazil 9036
- I *Aphelandra nemoralis* Nees 9036  
I 11620 Brazil 9036
- R *Aphelandra nephoica* Wassh. 9036  
R 9036 Colombia 9036
- R *Aphelandra nuda* Nees 9036  
R 11620 Brazil 9036
- I *Aphelandra obtusa* (Nees) Wassh. 9036  
I 11620 Brazil 9036
- I *Aphelandra obtusifolia* (Nees) Wassh. 9036  
I 11620 Brazil 9036
- R *Aphelandra paulensis* Wassh. 9036  
R 11620 Brazil 9036
- E *Aphelandra pepe-parodii* Wassh. 18200  
E 11620 Peru 18200
- R *Aphelandra phrynioides* Lindau 9036  
R 11620 Brazil 9036
- R *Aphelandra pinarotricha* Leonard 9036  
R 9036 Colombia 9036
- R *Aphelandra quadrifaria* Leonard 9036  
R 9036 Colombia 9036
- R *Aphelandra reticulata* Wassh. 9036  
R 11620 Venezuela 9036
- I *Aphelandra rigida* Glaziou ex Mildbr. 9036  
I 11620 Brazil 9036
- R *Aphelandra seibertii* Leonard 9037  
R 11620 Costa Rica 9037  
R 11620 Panama 9037
- R *Aphelandra speciosa* Brandege 9004  
R 11620 Guatemala 9004  
I 11620 Mexico 9004
- I *Aphelandra stephanophysa* Nees 9036  
I 11620 Brazil 9036
- I *Aphelandra steyermarkii* Wassh. 9036  
I 11620 Venezuela 9036
- V *Aphelandra storkii* Leonard 9037  
V 11620 Costa Rica 9037
- I *Aphelandra sulphurea* Hook.  
I Ecuador
- R *Aphelandra superba* Lindau  
R Ecuador
- R *Aphelandra terryae* Standl. 20883  
R 20883 Panama 20883  
I 20883 Colombia 20883
- I *Aphelandra tessmannii* Mildbr. 18200  
I 11620 Peru 18200
- R *Aphelandra tillettii* Wassh. 18200  
R 11620 Peru 18200
- R *Aphelandra tonduzii* Leonard 9037  
R 11620 Costa Rica 9037  
R 11620 Panama 9006
- E *Aphelandra verticellata* Nees ex Hemsley 9036  
E 11620 Mexico 9036
- E *Aphelandra viscosa* Mildbr. 18200  
E 11620 Peru 18200
- R *Aphelandra weberbaueri* Mildbr. 18200  
R 11620 Peru 18200
- R *Aphelandra wurdackii* Wassh. 18200  
R 9036 Peru 9036
- E *Barleria aculeata* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- V *Barleria argillicola* Oberm. 20604  
V 20604 South Africa - Natal 20604
- R *Barleria dolomiticola* M. & K. Balkwill 20604  
R 20604 South Africa - Transvaal 20604
- R *Barleria gibsonioides* Blatt. et McC. 13883  
R 13883 India - Maharashtra (Panchgani, Satara Dist.) 13883
- V *Barleria greenii* M. & K. Balkwill 20604  
V 20604 South Africa - Natal 20604
- R *Barleria lancifolia* T. Anderson var. *charlesii* Benoist  
R Mauritania
- R *Barleria megalosiphon* Mildbr.  
R Namibia
- R *Barleria molensis* Wild 7752  
R Zimbabwe 7752
- Ex *Barleria natalensis* Lindau 20604  
Ex 20604 South Africa - Natal 20604
- E *Barleria observatrix* Bosser & Heine 10082  
E 20771 Mauritius 10082
- E *Barleria popovii* Verdc. 15534  
E 15534 Yemen - Socotra 15534
- I *Barleria prionitis* L. var. *diacantha* Blatter & Hallberg 7771  
I India - Rajasthan 7771
- R *Barleria schmittii* Benoist 7926  
R Mauritania 7926
- V *Blechum killipii* Leonard 20883, 19221  
R 13336 Jamaica 20883
- R *Blepharis attenuata* Napper 8895  
R Israel 8895
- V *Blepharis spiculifolia* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- R *Bravaisia grandiflora* J.D. Smith 9004  
R 11620 Belize 9004  
R 11620 Guatemala 9004  
R 11620 Mexico 9004
- V *Carlowrightia albiflora* Daniel 20883, 9038  
V 20883 Mexico 20883  
R 9038 Mexico - Tamaulipas 9038
- R *Carlowrightia hapalocarpa* Robinson & Greenman 9038  
R 11550 Mexico - San Luis Potosi 9038
- V *Carlowrightia henricksonii* Daniel 20883, 9038  
E 20883 Mexico 20883  
R 9038 Mexico - Tamaulipas 9038
- R *Carlowrightia hintonii* Daniel 20883  
R 20883 Mexico 20883
- V *Carlowrightia lesueurii* Henrickson & Daniel 20883  
E 20883 Mexico 20883
- R *Carlowrightia mcvaughii* Daniel 20883, 9038  
I 20883 Mexico 20883
- V *Carlowrightia ovata* A. Gray 20883, 9038

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Carlowrightia*

- E 20883 Mexico 20883  
R 9038 Mexico - Chihuahua 9038
- R *Carlowrightia pectinata* Brandegee 20883, 9038  
I 20883 Mexico 20883
- R *Carlowrightia pringlei* Robinson & Greenman 20883, 9038  
V 20883 Mexico 20883  
R 11620 Mexico - Oaxaca 9038  
R 11620 Mexico - Puebla 9038
- R *Carlowrightia trichocarpa* Daniel 20883, 9038  
R 20883 Mexico 20883  
V 11620 Mexico - Tamaulipas 9038
- R *Chamaeranthemum tonduzii* Lindau 9037  
R 9420 Costa Rica 9037
- E *Dicliptera abuensis* Blatter 11494  
E 11494 India - Rajasthan (Mt Abu, Dhobi Ghats) 11494
- R *Dicliptera albocostata* Brem. 19120  
R 19120 Thailand 19120
- R *Dicliptera antidysenterica* A. Molina 9039  
R 11620 Honduras 9039
- R *Dicliptera australis* (Nees) R.M.Barker 20681  
R 20681 Australia - Northern Territory 20681
- I *Dicliptera beddomei* C.B. Clarke  
I India - Andhra Pradesh (Nallamalai Hills; Kumool)
- I *Dicliptera clavata* (J.G.Forster) A.L.Jussieu 20845  
Ex 20845 French Polynesia - Society Is. (Tahiti) 20845
- I *Dicliptera debilis* Leonard 9004  
I 11620 Guatemala 9004
- E *Dicliptera dodsonii* Wassh. 6155  
E 6155 Ecuador 6155
- R *Dicliptera effusa* Balf. f. 15534  
R 15534 Yemen - Socotra (Socotra and Abd al Kuri) 15534
- Ex *Dicliptera falcata* (Lam.) Bosser & Heine 10082  
Ex 20771 Mauritius 10082
- I *Dicliptera forsteriana* C.Nees 20845  
I 20845 French Polynesia - Society Is. 20845  
I 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- R *Dicliptera fragilis* Brem. 19120  
R 19120 Thailand 19120
- I *Dicliptera ghatica* Sant. 13883  
I 13883 India - Maharashtra (Meroli, Khandala ghats, Pune Dist.) 13883
- E *Dicliptera gracilis* Leonard 20883, 9006  
I 11620 Panama 20883
- I *Dicliptera guttata* Standley & Leonard 9004  
I 11620 Guatemala 9004
- R *Dicliptera imbricata* Leonard 9417  
R 9420 Costa Rica 9417
- I *Dicliptera inutilis* Leonard 9004  
I 11620 Guatemala 9004
- E *Dicliptera krugii* Urban 20883, 15106  
I 20883 Puerto Rico 20883
- V *Dicliptera maclearii* Hemsley 881  
V 14224 Australia - Christmas Is. 881
- V *Dicliptera membranacea* Leonard 9004  
V 11620 Guatemala 9004  
V 11620 Mexico 9004
- R *Dicliptera pallida* Leonard 9037  
R 9420 Costa Rica 9037
- R *Dicliptera paposana* Philippi 5595  
R 19534 Chile 5595
- R *Dicliptera skutchii* Leonard 9039  
R 9420 Costa Rica 9037
- R *Dicliptera syringifolia* Merxm. 7769  
R Zimbabwe (Rusape) 7769
- I *Dicliptera trianae* Leonard 16887  
I 19353 Colombia 16887
- I *Didyposandra andersonii* (Beddome) Bremek.  
I India - Tamil Nadu
- R *Dipteracanthus orthocaulus* Brem. 19120  
R 19120 Thailand 19120
- R *Dipteracanthus subulata* (Imlay) Brem. 19120  
R 19120 Thailand 19120
- V *Drejerella maestrensis* Urban 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- V *Dyschoriste angusta* (Gray) Small 20850  
V 20850 U.S. - Florida 20850
- R *Dyschoriste hondurensis* Leonard 9035  
R 11620 Honduras 9035
- I *Ecbolium striatum* Balf. f. 15534  
I 15534 Yemen - Socotra 15534  
I 15534 Kenya 15534  
I 15534 Somalia 15534
- I *Ecbolium striatum* Balf. f. var. *minor* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- V *Elytraria bissei* H. Dietrich 11840  
V 19105 Cuba (Guantanamo) 11840
- V *Elytraria caroliniensis* (Walter ex J. Gmelin) Pers. var. *angustifolia* (Fern.) Blake 20850  
V 20850 U.S. - Florida 20850
- V *Elytraria filicaulis* Borh. & Muniz 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- R *Elytraria macrophylla* Leonard 11550  
R 11550 Mexico 11550
- V *Elytraria spathulifolia* Borh. & Muniz 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Graptophyllum balansae* Heine 20893  
V 20893 New Caledonia 20893
- R *Graptophyllum excelsum* (F.Muell.) Druce 20681  
R 20681 Australia - Queensland 20681
- V *Graptophyllum ilicifolium* (F.Muell.) F.Muell. 20681  
V 20681 Australia - Queensland 20681
- V *Graptophyllum ophiolithicum* Heine 20893  
V 20893 New Caledonia 20893
- E *Graptophyllum reticulatum* A.R.Bean & Sharpe 20681  
E 20681 Australia - Queensland 20681
- R *Gymnostachyum glomeruliflorum* Brem. 19120  
R 19120 Thailand 19120
- I *Gymnostachyum pictum* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- I *Gymnostachyum thwaitesii* T. Anderson 10252  
I 16162 Sri Lanka 10252
- R *Gypsacanthus nelsonii* Lott, Jaramillo & Rzed. 9488  
R 11620 Mexico - Guerrero 9488  
R 11620 Mexico - Puebla 9488

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Gypsacanthus*

- R** *Habracanthus azureus* D. Gibson 9004  
R 11620 Guatemala 9004
- R** *Habracanthus lamprus* Leonard 10166  
R 19538 Colombia 10166
- R** *Habracanthus latilabris* D. Gibson 9004  
R 11620 Guatemala 9004
- R** *Habracanthus luteus* Durkee 9420  
R 9420 Costa Rica 9420
- R** *Habracanthus ruberrimus* D. Gibson 9004  
R 11620 Guatemala 9004
- I** *Hallieracantha addisoniensis* (Elm.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Hallieracantha aequifolia* (C.B. Clarke) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Hallieracantha elmeri* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Hallieracantha pulgarensis* Elm. 13833  
I 13833 Philippines 13833
- V** *Hansteinia reflexiflora* Leonard 20883, 9006  
I 20883 Panama 20883
- V** *Hansteinia sessilifolia* (Oersted) Durkee 9037  
V 9420 Costa Rica 9037
- E** *Hemigraphis neocaledonica* Heine 20893  
E 20893 New Caledonia 20893
- I** *Henrya gualanensis* (H. Robinson & Bartlett)  
Happ 9004  
I 11620 Guatemala 9004
- E** *Henrya tuberculosperma* T. F. Daniel 20883, 9046  
I 20883 Mexico 20883  
R 11620 Mexico - Jalisco 9046
- R** *Herpetacanthus panamensis* Leonard 20883, 9006  
I 20883 Costa Rica 20883  
V 20883 Panama 20883
- R** *Holographis anisophylla* T. Daniel 9048  
R 11620 Mexico - Colima 9048
- R** *Holographis argyrea* (Leonard) T. Daniel 9040  
R 19848 Mexico 19848  
R 16360 Mexico - Guerrero 9040
- R** *Holographis hintonii* (Leonard) T. Daniel 9048  
R 11620 Mexico - Guerrero 9048
- R** *Holographis ilicifolia* Brandegee 9048  
R 11620 Mexico 9048
- R** *Holographis pallida* Leonard & H. Gentry 9048  
R 11620 Mexico 9048
- R** *Holographis parayana* Miranda 9048  
R 11620 Mexico 9048
- R** *Holographis peloria* (Leonard) T. Daniel 9049  
R 11620 Mexico - Durango 9049
- R** *Holographis pueblensis* T. Daniel 9048  
R 11620 Mexico - Puebla 9048
- R** *Hoverdenia speciosa* Nees 11550  
R 11550 Mexico 11550
- R** *Hygrophila chevalieri* Benoist 7926  
R Mali 8003  
R Senegal 8003
- R** *Hygrophila micrantha* (Nees) T. Anderson 7926  
R Mali 7926  
R Senegal 8003
- I** *Hygrophila pinnatifida* (Dalz.) Sreemadh.  
I India - Karnataka
- E** *Hygrophila pogonocalyx* Hayata 20511  
E 20511 Taiwan 20511
- V** *Hypoestes andamanensis* Thoth. 14782  
V 14782 India - Andaman Is. 14782
- Ex** *Hypoestes inconspicua* Balf.f. 10082  
Ex 5852 Mauritius - Rodrigues 5852
- R** *Hypoestes lanata* Dalz. 14782  
R 14782 India 14782
- I** *Hypoestes larsenii* Brem. 19120  
I 19120 Thailand 19120
- I** *Hypoestes merrillii* Clarke ex Elm. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Hypoestes palawanensis* Clarke 13833  
I 13833 Philippines (Palawan) 13833
- I** *Hypoestes pubescens* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- Ex** *Hypoestes rodriguesiana* Balf.f. 10082  
Ex 5852 Mauritius - Rodrigues (Mont Malartic) 5852
- Ex** *Hypoestes serpens* (Vahl) R.Br. 10082  
Ex 20771 Mauritius 10082
- E** *Isoglossa eranthemoides* (F.Muell.) R.M.Barker 20681  
E 20681 Australia - New South Wales 20681
- I** *Isoglossa nervosa* C.B. Clarke  
I Cameroon (Mt Cameroon)
- R** *Justicia agria* Alain & Leonard 5607  
R 19105 Cuba (Granma) 5607
- E** *Justicia allenii* (Leonard) Durkee 20883, 9006  
R 11620 Panama 20883
- V** *Justicia angusta* (Chapman) Small 20850  
V 20850 U.S. - Florida 20850
- I** *Justicia bartlettii* (Leonard) D. Gibson 9004  
I 11620 Belize 9004  
I 11620 Guatemala 9004
- V** *Justicia blechoides* (Lindau) Stearn 20883, 19221  
R 13336 Jamaica 20883
- R** *Justicia bolusii* C.B. Clarke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Justicia borinquensis* Britt. 20883, 8058  
I 20883 Puerto Rico 20883
- R** *Justicia borrherae* (Hemsley) T.F. Daniel 9001  
R 11620 Guatemala 9001  
R 11620 Mexico 9001
- Ex** *Justicia brachystachya* Thouars ex Schultz 15112  
Ex 15112 Mauritius 15112
- R** *Justicia brenesii* (Leonard) D. Gibson 9420  
R 9420 Costa Rica 9420
- R** *Justicia breteleri* Wasshausen 21279  
R 21279 Venezuela 21279
- I** *Justicia calliantha* Leonard 9039  
I 11620 Honduras 9039
- R** *Justicia ciliata* (Yamamoto) Hsieh & Huang 20511  
R 20511 Taiwan 20511
- V** *Justicia coahuilana* T. Daniel 9041  
V 11620 Mexico 9041
- E** *Justicia cooleyi* Monachino & Leonard 20850, 17890  
E 20850 U.S. - Florida 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Justicia*

- R *Justicia costaricana* Leonard 9037  
R 9420 Costa Rica 9037
- V *Justicia crassifolia* (Chapman) Chapman ex Small 20850  
V 20850 U.S. - Florida 20850
- E *Justicia culebritae* Urban 20883  
I 20883 Puerto Rico (Culebrta) 20883  
I 20883 British Virgin Is. (Virgin Gorda) 20883  
? 19002 USA - Virgin Is. 19002
- R *Justicia ensiflora* (Standley) D. Gibson 9004  
R 11620 Belize 9004  
R 11620 Honduras 9004
- R *Justicia graciliflora* (Standl.) D. Gibson 20883, 9006  
I 20883 Panama 20883
- R *Justicia grandifolia* D. Gibson 9004  
R 11620 Guatemala 9004
- E *Justicia hepperi* Heine 7926  
E Nigeria 7926
- R *Justicia hyssopifolia* L. 15105  
R 15105 Spain - Canary Is. 15105
- I *Justicia ianthina* Wassh. 6155  
I 11620 Ecuador 6155
- V *Justicia jamaicensis* (Britton) Stearn 20883, 19221  
R 13336 Jamaica 20883
- R *Justicia lindeniana* (Nees) Macbr. 9004  
R 11620 Guatemala 9004  
R 11620 Mexico 9004
- R *Justicia linearis* Robinson & Greenman 9041  
R 11550 Mexico 9041
- R *Justicia macrantha* Bentham var. *piliformis* D. Gibson 9004  
R 11620 Guatemala 9004
- E *Justicia mckenleyi* Proctor 20883, 13336  
E 13336 Jamaica 20883
- V *Justicia metallica* Lindau 9037  
V 11620 Costa Rica 9037  
V 11620 Panama 9037
- I *Justicia microcarpa* Ridley  
I Malaysia - Peninsular Malaysia (Selangor)
- R *Justicia minima* A.Meeuse 20604  
R 20604 South Africa - Transvaal 20604
- R *Justicia montana* (Standley & Leonard) D. Gibson 9004  
R 11620 Guatemala 9004
- V *Justicia multicaulis* J.D. Smith 9004  
V 11620 Guatemala 9004
- R *Justicia nemorosa* Sw. 20883  
R 20883 Jamaica 20883
- E *Justicia nigerica* S. Moore 7926  
E Nigeria 7926
- R *Justicia niokolo-kobae* Berhaut 8003  
R Mali (Keniaba) 8003  
R Senegal (Niokolo-Koba) 8003
- I *Justicia novogranatensis* Leonard 16887  
I 19353 Colombia 16887
- V *Justicia oreophila* Clarke 14872  
V 14872 Bangladesh 14872
- R *Justicia orosiensis* Durkee 9420  
R 9420 Costa Rica 9420
- E *Justicia panamense* Durkee 20883, 9006  
I 11620 Panama 20883
- R *Justicia pectoralis* Jacq. var. *ovata* Wassh. 6155  
R 11620 Ecuador 6155
- R *Justicia pedicellata* D. Gibson 9004  
R 11620 Guatemala 9004
- E *Justicia pinensis* S. Moore 20893  
E 20893 New Caledonia 20893
- R *Justicia pittieri* Lindau 9037  
R 11620 Costa Rica 9037  
R 11620 Panama 9417
- I *Justicia preussii* (Lindau) C.B. Clarke  
I Cameroon (Buea, Mimbia)
- R *Justicia procumbens* L. var. *hayatai* (Yamamoto) Ohwi 20511  
R 20511 Taiwan 20511
- R *Justicia procumbens* L. var. *linearifolia* Yamamoto 20511  
R 20511 Taiwan 20511
- Ex *Justicia psychotrioides* Thouars ex Schultz 15112  
Ex 15112 Mauritius 15112
- R *Justicia refulgens* Leonard 9037  
R 11620 Panama 9037
- V *Justicia rigida* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- R *Justicia riopalenquensis* Wassh.  
R Ecuador
- R *Justicia robinsonii* Ridley  
R Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- V *Justicia runyonii* Small 20883, 20850, 8058  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- I *Justicia rupestris* Ridley  
I Malaysia - Peninsular Malaysia
- I *Justicia salsoloides* T. Anderson  
I India - Karnataka (Carnatic & Mysore)
- E *Justicia sarapiquensis* McDade 20883, 9044  
R 11620 Costa Rica 20883
- R *Justicia sericea* Ruiz Lopez & Pavon 18200  
R 11620 Peru 18200
- R *Justicia silvicola* D. Gibson 9004  
R 11620 Guatemala 9004
- I *Justicia skutchii* Leonard 9037  
I 9420 Costa Rica 9037
- V *Justicia sonorae* Wassh. 9052  
V 11550 Mexico 9052
- V *Justicia stenophylla* Urban & Britton 5607  
V 19105 Cuba (Camaguey) 5607
- I *Justicia steyermarkii* Standley & Leonard 9004  
I 11620 Guatemala 9004
- I *Justicia subalternans* C.B. Clarke  
I Malaysia - Peninsular Malaysia
- V *Justicia sulfurea* (J.D. Smith) D. Gibson 9004  
V 11620 Guatemala 9004
- V *Justicia tonduzii* Lindau 9037  
V 9420 Costa Rica 9037
- R *Justicia urophylla* (Lindau) D. Gibson 9006  
R 11620 Costa Rica 9006  
I 11620 Panama 9006



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Justicia*

- I** *Justicia valida* Ridley  
I Malaysia - Peninsular Malaysia
- R** *Justicia warnockii* B.L. Turner 20850  
R 20850 U.S. - Texas 20850
- V** *Justicia wrightii* Gray 20850  
V 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- I** *Kudoacanthus albo-nervosa* Hosok. 20511  
I 20511 Taiwan 20511
- I** *Lepidagathis amaranthoides* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Lepidagathis barberi* Gamble 14782  
R 14782 India (Southern Peninsular India) 14782
- R** *Lepidagathis brevispica* Brem. 19120  
R 19120 Thailand 19120
- I** *Lepidagathis chiangraiensis* Brem. 19120  
I 19120 Thailand 19120
- I** *Lepidagathis diffusa* Clarke 14782  
I 14782 India 14782
- I** *Lepidagathis palawanensis* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Lepidagathis stenophylla* Clarke ex Hayata 20511  
R 20511 Taiwan 20511
- R** *Lophostachys guatemalensis* J.D. Smith 9004  
R 11620 El Salvador 9004  
R 11620 Guatemala 9004
- E** *Lophostachys zungiae* C. Nelson 20050  
E 20050 Honduras 20050
- R** *Louteridium chartaceum* Leonard 9004  
R 11620 Belize 9004
- R** *Louteridium mexicanum* (Baillon) Standley 9004  
R 11620 Guatemala 9004  
R 19848 Mexico 19848
- E** *Louteridium rzedowskii* T. F. Daniel 20883, 9046  
I 20883 Mexico 20883
- R** *Mackenzia caudata* (T. And.) Ramam. 13883  
R 13883 India - Karnataka (South Canara; Coorg) 13883  
R 13883 India - Kerala (Wynaad & Travancore, southwestern Ghats) 13883
- I** *Mananthes tenuispica* Brem. 19120  
I 19120 Thailand 19120
- V** *Megalostoma viridescens* Leonard 9004  
V 11620 Guatemala 9004
- R** *Mendoncia costaricana* Oersted 9037  
R 9420 Costa Rica 9037  
R 11620 Panama 9037
- R** *Mendoncia hoffmannseggiana* Nees 8679  
R 8679 French Guiana 8679  
R 19954 Guyana 19954  
R 8679 Suriname 8679
- E** *Metarungia galpinii* (Baden) Baden 20604  
E 20604 South Africa - Cape Province 20604
- R** *Mexacanthus mcvaughii* T. Daniel 9043  
R 11550 Mexico 9043
- V** *Mirandea huastecensis* T. Daniel 9042  
V 11550 Mexico 9042
- R** *Monechma saxatile* Munday 20604  
R 20604 South Africa - Cape Province 20604
- R** *Neriacanthus grandiflorus* Leonard 9006  
R 11620 Panama 9006  
R 11620 Colombia 9006
- R** *Neriacanthus purdieanus* Benth. 20883, 13336  
R 13336 Jamaica 20883
- I** *Neuracanthus aculeatus* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- I** *Neuracanthus capitatus* Balf. f. 15534  
I 15534 Yemen - Socotra 15534  
I 15534 Somalia 15534
- Ex/E** *Neuracanthus neesianus* Clarke 13883  
Ex/E 13883 India - Tamil Nadu 13883
- I** *Nilgirianthus campanulatus* (Wight) Bremek.  
I India - Karnataka (Coorg)
- I** *Nilgirianthus papillosus* (T. Anders.) Bremek. 2268  
I India - Tamil Nadu (Nilgiri Hills) 2268
- I** *Odontonema brevipes* Urb. 5932  
I 5932 Trinidad & Tobago (Tobago) 5932
- V** *Odontonema microphyllum* Durkee 20883, 9006  
I 20883 Panama 20883
- V** *Oplonia acicularis* (Sw.) Stearn 20883  
V 20883 Jamaica 20883
- V** *Oplonia acunae* Borh. 5607  
V 19105 Cuba (Sancti Spiritus; Granma; Santiago de Cuba) 5607
- R** *Oplonia armata* (Sw.) Stearn var. *armata* 20883  
R 20883 Jamaica 20883
- R** *Oplonia armata* (Sw.) Stearn var. *pallidior* Stearn 20883  
R 20883 Jamaica 20883
- R** *Oplonia hutchisonii* Wassh. 18200  
R 11620 Peru 18200
- R** *Oplonia jamaicensis* (Lindau) Stearn 20883  
R 20883 Jamaica 20883
- V** *Oplonia moana* Borh. 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- R** *Peristrophe brassii* R.M. Barker 20681  
R 20681 Australia - Queensland 20681
- I** *Peristrophe cliffordii* K. Balkwill 20604  
I 20604 South Africa - Transvaal 20604
- I** *Peristrophe gillilandiorum* K. Balkwill 20604  
I 20604 Zimbabwe 20604  
I 20604 South Africa - Transvaal 20604
- R** *Peristrophe namibiensis* K. Balkwill ssp. *brandbergensis* K. Balkwill 20604  
R 20604 Namibia 20604
- R** *Peristrophe namibiensis* K. Balkwill ssp. *namibiensis* 20604  
R 20604 Namibia 20604
- R** *Phidiasia lindavii* Urban 11840  
R 19105 Cuba (Holguin) 11840
- I** *Phlebophyllum canaricum* (Beddome) Bremak.  
I India - Karnataka (South Canara)
- E** *Phlebophyllum jeyporensis* (Beddome) Bremak. 11494  
E 11494 India - Andhra Pradesh 11494  
E 11494 India - Madhya Pradesh (Bastar) 11494  
E 11494 India - Orissa (Kalahandi & Koraput) 11494
- I** *Phlebophyllum lanatum* (Nees) Bremak.  
I India - Karnataka (Mysore)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Phlebophyllum*

- I India - Tamil Nadu (Sispara, Nilgiri Hills)
- E *Physacanthus talbotii* S. Moore 7926  
E Nigeria 7926
- I *Plegmatolemma leucostachyum* Brem. 19120  
I 19120 Thailand 16120
- I *Plegmatolemma minus* Brem. 19120  
I 19120 Thailand 19120
- E *Poikilacanthus capitatus* (Leonard) Ramamoorthy 20883  
I 20883 Mexico 20883
- V *Poikilacanthus pansamalanus* (J.D. Smith) D. Gibson 9004  
V 11620 Guatemala 9004
- R *Poikilacanthus setiferus* Standley & Steyererm. 9004  
R 11620 Guatemala 9004  
R 11620 Mexico 9004
- R *Poikilacanthus skutchii* D. Gibson 9004  
R 11620 Guatemala 9004
- I *Polytrema cupreum* Ridley  
I Malaysia - Peninsular Malaysia (near Ipoh, Perak)
- V *Pseuderanthemum incisum* Benoist 20802  
V 20893 New Caledonia 20802
- R *Pseuderanthemum longistylum* Imlay 19120  
R 19120 Thailand 19120
- I *Pseuderanthemum micranthum* Leonard 16887  
I 19353 Colombia 16887
- I *Pseuderanthemum minutiflorum* (Elm.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R *Pseuderanthemum pittieri* Leonard 9037  
R 9420 Costa Rica 9037
- E *Pseuderanthemum tunicatum* (Afzel.) Milne-Redh. 19181  
E 19181 Seychelles (Silhouette) 14296
- R *Psiloesthes elongata* Benoist 6057  
I 20985 Vietnam 6057
- V *Pulchranthus adenostachyus* (Lindau) Baum 20883  
I 20883 Brazil 20883  
I 20883 Colombia 20883  
I 20883 Peru 20883
- E *Pulchranthus congestus* (Lindau) Baum, Reveal, & Nowicke 20883  
I 20883 Brazil 20883
- E *Pulchranthus surinamensis* (Bremek.) Baum 20883  
I 20883 Suriname 20883
- E *Pulchranthus variegatus* (Aublet) Baum 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E *Razisea wilburii* McDade 20883. 9417  
R 11620 Costa Rica 20883
- V *Rhaphidospora bonneyana* (F.Muell.) R.M.Barker 20681  
Ex/E 20681 Australia - New South Wales 20681  
V 20681 Australia - Queensland 20681
- I *Rhaphidospora lanceolata* Brem. 19120  
I 19120 Thailand 19120
- R *Rhinacanthus pulcher* Milne-Redh. 17435  
R 17435 Kenya 17435
- R *Rhinacanthus scoparius* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- I *Rhyticalymma kerrii* (Imlay) Brem. 19120  
I 19120 Thailand 19120
- R *Rhyticalymma longipetiolatum* Brem. 19120  
R 19120 Thailand 19120
- R *Rhyticalymma trichocarpum* (Imlay) Brem. 19120  
R 19120 Thailand 19120
- I *Rostellularia bankaoensis* Brem. 19120  
I 19120 Thailand 19120
- I *Rostellularia elegans* Brem. 19120  
I 19120 Thailand 19120
- I *Rostellularia rachaburiensis* Brem. 19120  
I 19120 Thailand 19120
- V *Ruellia anthracina* Leonard 20883, 9006  
R 11620 Panama 20883
- I *Ruellia barbillana* Cuf. 9037  
I 9420 Costa Rica 9037
- I *Ruellia carnea* Balf. f. 15534  
I 15534 Saudi Arabia 15534  
I 15534 Yemen - Socotra 15534  
I 15534 Ethiopia 15534  
I 15534 Somalia 15534
- E *Ruellia colonensis* Wassh. 20883, 9006  
R 11620 Panama 20883
- R *Ruellia cordata* Brandegee 9002  
R 11620 Mexico 9002
- R *Ruellia dioscoridis* Nappes 15534  
R 15534 Yemen - Socotra 15534
- R *Ruellia macrosolen* Lillo ex Ezcurrea 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883  
I 20883 Paraguay 20883
- V *Ruellia noctiflora* (Nees) Gray 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Mississippi 20850
- I *Ruellia nudispica* Clarke 13833  
I 13833 Philippines (low altitude) 13833
- I *Ruellia obtusata* S.F. Blake 9004  
I 11620 Belize 9004
- V *Ruellia pedunculata* Torr. ex Gray ssp. *pinetorum* (Fern.) R.W. Long 20850  
I 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Louisiana 20850  
I 20850 U.S. - Mississippi 20850  
I 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Texas 20850  
I 20850 U.S. - Virginia 20850
- I *Ruellia philippinensis* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- E *Ruellia praeclara* Standl. 20883, 9006  
R 11620 Costa Rica 9417  
R 11620 Panama 20883
- E *Ruellia tarapotana* Lindau 18200  
E 11620 Peru 18200
- R *Ruellia tubiflora* Kunth var. *tubiflora* 9006  
R 11620 Panama 9006
- R *Ruellia williamsii* Leonard 9035  
R 11620 Honduras 9035
- I *Rungia linifolia* Nees  
I India - Karnataka
- I *Rungia minutifolia* C.B. Clarke  
I Malaysia - Peninsular Malaysia

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Rungia*

- I** *Salpinctinus natalense* (C.B. Clarke) T.J. Edwards 20604  
**I** 20604 South Africa - Natal 20604
- R** *Salpicantha coccinea* Hook. 20883  
**R** 20883 Jamaica 20883
- E** *Sanchezia aurantiaca* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia aurea* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia dasia* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia ferreyrae* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia klugii* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia lasia* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Sanchezia villosa* Leonard & Lyman B. Smith 18200  
**E** 11620 Peru 18200
- E** *Santapaua madurensis* Balakr. ex Subram. 13883  
**E** 13883 India - Tamil Nadu 13883
- R** *Sapthoa ekmanii* Borh. 5607  
**R** 19105 Cuba (Guantanamo) 5607
- R** *Sarajusticia kempeana* (F. Muell.) Bremek. ex H. Eichler ssp. *kempeana* 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Sericocalyx thailandicus* Brem. 19120  
**I** 19120 Thailand 19120
- V** *Siphonoglossa durangensis* Henrickson & Hilsenbeck 14294  
**V** 14294 Mexico - Durango 14294
- V** *Siphonoglossa linearifolia* Henrickson & Hilsenbeck 14294  
**V** 14294 Mexico - Durango 14294
- V** *Siphonoglossa mexicana* Hilsenbeck 20883  
**I** 20883 Mexico 20883
- R** *Siphonoglossa nkandlaensis* Immelman 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- E** *Siphonoglossa ramosa* var. *discolor* (S. F. Blake) Hilsenbeck 20883  
**I** 20883 Guatemala 20883
- V** *Siphonoglossa ramosa* var. *hondurensis* (Standley & Steyermark) Hilsenbeck 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Honduras 20883
- R** *Spathacanthus hoffmannii* Lindau 9037  
**R** 9420 Costa Rica 9037
- V** *Spathacanthus simplicifolius* (J.D. Smith) Leonard 9004  
**V** 11620 Guatemala 9004
- R** *Stauroygne agrestis* Leonard 20883, 9006  
**I** 20883 Costa Rica 20883  
**V** 20883 Panama 20883
- I** *Stauroygne bella* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne densiflora* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne expansa* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne latifolia* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne longiciliata* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne multiflora* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne polycaulis* Brem. 19120  
**I** 19120 Thailand 19120
- I** *Stauroygne singularis* Brem. 19120  
**I** 19120 Thailand 19120
- R** *Stauroygnopsis maiana* Mangenet & Ake Assi  
**R** Côte d'Ivoire
- V** *Stenandrium arnoldii* H. Dietrich 11840  
**V** 19105 Cuba (Holguin) 11840
- R** *Stenandrium chameranthemoideum* Oersted 9050  
**R** 11620 Mexico 9050
- V** *Stenandrium ekmanii* Urban 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- E** *Stenandrium manchonense* T. Daniel 9050  
**E** 11620 Mexico - Guerrero 9050
- E** *Stenandrium nanum* (Standley) T. Daniel 9050  
**E** 11620 Mexico - Yucatan 9050
- V** *Stenandrium pallidum* H. Dietrich 11840  
**V** 19105 Cuba (Guantanamo) 11840
- E** *Stenandrium pilosulum* (Blake) T. Daniel 9050  
**E** 11620 Mexico - Chihuahua 9050  
**E** 11620 Mexico - Sonora 9050
- R** *Stenandrium subcordatum* Standley 9004  
**R** 11620 Guatemala 9004  
**R** 11620 Mexico 9004
- E** *Stenandrium verticillatum* Brandegee 9050  
**E** 11620 Mexico 9050
- I** *Stenosisiphonium setosum* T. Anderson  
**I** India - Karnataka (Mysore)
- R** *Stenostephanus glabrus* (Oersted) T.F. Daniel 9001  
**R** 9001 Mexico - Chiapas 9001
- R** *Stenostephanus lobeliiformis* Nees 19560  
**R** 19560 Brazil (Serra dos Orgaos) 19560
- R** *Stenothyrsus ridleyi* C.B. Clarke  
**R** Malaysia - Peninsular Malaysia (near Ipoh, Perak)
- R** *Streblacanthus cordatus* Lindau 11620  
**R** 11620 Panama 11620  
**R** 11620 Ecuador
- I** *Streblacanthus longiflorus* Cuf. 9037  
**I** 9420 Costa Rica 9037
- V** *Streblacanthus macrophyllus* Lindau 9037  
**V** 11620 Costa Rica 9037
- V** *Streblacanthus parviflorus* Leonard 9004  
**V** 11620 Guatemala 9004
- I** *Strobilanthes andamanensis* Bor 7771  
**I** India - Andaman Is. 7771
- I** *Strobilanthes gardnerana* (Nees) T. Anderson 10252  
**I** 16162 Sri Lanka 10252
- E** *Strobilanthes hallbergii* Blatter 11494  
**E** 11494 India - Rajasthan (Mt Abu, Dhoi Ghats) 11494
- V** *Strobilanthes japonica* (Thunb.) Miq. 10573  
**V** 10573 Japan 10573

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Acanthaceae: *Strobilanthes*

- R** *Strobilanthes leucopogon* Ridley  
**R** Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- I** *Strobilanthes nigrescens* T. Anderson 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes nockii* Trimen 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes pachyphyllus* C.B. Clarke  
**I** Malaysia - Peninsular Malaysia
- I** *Strobilanthes palawanensis* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833  
**Ex** 20099 Singapore 20099
- I** *Strobilanthes punctata* Nees 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes rhytisperma* C.B. Clarke 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes stenodon* C.B. Clarke 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes thwaitesii* T. Anderson 10252  
**I** 16162 Sri Lanka 10252
- I** *Strobilanthes urceolaris* Gamble  
**I** India - Tamil Nadu (Nilgiri & Palani Hills)
- I** *Strobilanthes zeylanica* T. Anderson 10252  
**I** 16162 Sri Lanka 10252
- R** *Suessenguthia vargasii* Wassh. 18200  
**R** 11620 Peru 18200
- R** *Tetramerium butterwickianum* T. Daniel 10559  
**R** 11550 Mexico - Michoacan 10559
- R** *Tetramerium crenatum* T. Daniel 10559  
**R** 11550 Mexico - Oaxaca 10559
- R** *Tetramerium diffusum* Rose 10559  
**R** 11550 Mexico 10559
- R** *Tetramerium emilyanum* T. Daniel 10559  
**R** 11550 Mexico - Michoacan 10559
- V** *Tetramerium guerrense* T. Daniel 10559  
**V** 11620 Mexico - Guerrero 10559
- R** *Tetramerium macvaughii* T. Daniel 10559  
**R** 11550 Mexico - Colima 10559
- R** *Tetramerium oaxacanum* T. Daniel 10559  
**R** 11620 Mexico - Oaxaca 10559
- E** *Tetramerium obovatum* T. Daniel 10559  
**E** 11620 Mexico - Oaxaca 10559
- R** *Tetramerium ochoterena* (Miranda) T. Daniel 10559  
**R** 11620 Mexico 10559
- I** *Tetramerium rubrum* Happ 10559  
**I** 11620 Mexico 10559
- R** *Tetramerium rzedowskii* T. Daniel 10559  
**R** 11550 Mexico - Michoacan 10559
- R** *Tetramerium tetrameroides* (Lindau) T. Daniel 10559  
**R** 11620 Mexico - Oaxaca 10559
- V** *Tetramerium yaquianum* T. Daniel 10559  
**V** 11620 Mexico - Sonora 10559
- I** *Thunbergia bicolor* (Wight) Lindau  
**I** India - Tamil Nadu (Nilgiri Hills)
- R** *Thunbergia venosa* C.B. Clarke 20604  
**R** 20604 South Africa - Natal 20604
- V** *Trybliocalyx pyramidatus* Lindau 9004  
**V** 11620 Guatemala 9004
- E** *Xerothamnella herbacea* R.M. Barker 20681

- E** 20681 Australia - Queensland 20681
- V** *Xerothamnella parvifolia* C. White 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681  
**I** 20681 Australia - South Australia 20681
- E** *Yeatesia mabryi* Hilsenbeck 20883  
**I** 20883 Mexico 20883

**Aceraceae**

Number of genera: 2  
 Number of species: 112  
 Recorded threatened species: 14 (12%)

Temperate and subtropical, especially Malesia; China. T.

- E** *Acer buergerianum* Miq. ssp. *formosanum* (Hayata) Murray & Lauener 21069, 20511,  
**E** 20854 Taiwan 20511
- V** *Acer caesium* Wallich ex Brandis 7731  
**V** 11494 India - Himachal Pradesh 11494  
**V** 11494 India - Jammu & Kashmir 11494  
**V** 11494 India - Uttar Pradesh 11494  
**V** Nepal 7731
- R** *Acer cappadocicum* Gleditsch var. *stenocaryum*  
**Yalt.** 12840  
**R** 20618 Turkey 20618
- R** *Acer erythranthum* Gagnepain 6057  
**R** Vietnam 6057
- I** *Acer heldreichii* Orph. ex Boiss. ssp. *visianii* H. Maly 6062, 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**I** 6062 Bulgaria (west) 8000  
**I** 6062 (former) Yugoslavia 8000
- R** *Acer hyrcanum* Fischer & Meyer ssp. *sphaerocaryum*  
**Yaltirik** 20618  
**R** 20618 Turkey 20618
- I** *Acer molle* Paxton  
**I** India (West Himalaya)
- R** *Acer monspessulanum* L. ssp. *oksalinum*  
**Yalt.** 12840  
**R** 20618 Turkey 20618
- R** *Acer negundo* L. ssp. *mexicanum* (DC.) Standley 9114  
**?** Guatemala 21069  
**R** 19848 Mexico - Veracruz 9114
- E** *Acer oblongum* Wallich ex DC. var. *membranaceum*  
**Banerji** 11494  
**E** 11494 India - Uttar Pradesh 11494
- E** *Acer oblongum* Wallich ex DC. var. *microcarpum*  
**Hiern** 11494  
**E** 11494 India - Arunachal Pradesh 11494
- V** *Acer pycnanthum* K. Koch 10572, 21069  
**V** 10572 Japan (Nagano, Aichi, Gifu of Honshu Is.) 20626
- I** *Acer undulatum* Pojark. 12840  
**I** 20618 Turkey 20618
- R** *Dipteronia dyeriana* Henry 17617  
**R** 17617 China - Yunnan (Wengshan; Mengzhi) 11139
- R** *Dipteronia sinensis* Oliver 17617  
**R** 17617 China - Gansu 11139  
**R** 17617 China - Guizhou (Yingjiang) 11139  
**R** 17617 China - Henan 11139  
**R** 17617 China - Hubei 11139

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Aceraceae: *Dipteronia*

- R 17617 China - Hunan (Shimeng; Shangzhi; Dayun)  
11139  
R 17617 China - Shaanxi 11139  
R 17617 China - Sichuan 11139

Actinidiaceae

- Number of genera: 3  
Number of species: 300  
Recorded threatened species: 5 (1%)

Warm temperate Asia to Queensland, Fiji, tropical America.

- V *Saurauia chaparensis* Soejarto 20883  
V 20883 Bolivia 20883

- I *Saurauia griffithii* Dyer  
I India - Arunachal Pradesh  
I India - Sikkim

- E *Saurauia molinae* Soejarto 20883  
I 20883 Honduras 20883

- E *Saurauia oroquensis* Soejarto 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883

- R *Saurauia serrata* DC. 10088  
R 19850 Mexico 10088

Aizoaceae

- Number of genera: 12-128  
Number of species: 2, 500  
Recorded threatened species: 163 (6%)

South Africa; Australia.

- R *Aloinopsis acuta* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Aloinopsis jamesii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Aloinopsis loganii* (L.Bolus) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Aloinopsis setifera* (L.Bolus) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Aloinopsis villetii* (L.Bolus) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Astridia citrina* (L.Bolus) L.Bolus 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604

- I *Astridia speciosa* L.Bolus 20604  
E 20604 Namibia 20604  
I 20604 South Africa - Cape Province 20604

- I *Bijlia tugwelliae* (L.Bolus) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604

- R *Braunsia stayneri* (L.Bolus) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Braunsia vanrensburgii* (L.Bolus) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Caryotophora skiatophytoides* Leistner 20604  
R 20604 South Africa - Cape Province 20604

- V *Cephalophyllum fulleri* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604

- Ex *Cephalophyllum parvulum* (Schltr.)  
H.E.K.Hartmann 20604  
Ex 20604 South Africa - Cape Province 20604

- R *Cephalophyllum pulchellum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- I *Cephalophyllum pulchrum* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604

- R *Cephalophyllum staminodosum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- V *Cephalophyllum tetrastrichum* H.E.K.Hartmann 20604  
V 20604 South Africa - Cape Province 20604

- I *Cheiridopsis alata* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604

- R *Cheiridopsis delphinoides* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604

- V *Cheiridopsis pearsonii* N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604

- V *Cheiridopsis peculiaris* N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604

- I *Cheiridopsis rudis* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604

- V *Cheiridopsis umdausensis* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604

- I *Cheiridopsis velox* S.A.Hammer 20604  
I 20604 South Africa - Cape Province 20604

- Ex *Circandra serrata* (L.) N.E.Br. 20604  
Ex 20604 South Africa - Cape Province 20604

- R *Cleretum lyratifolium* Ihlenf. & Struck 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum achabense* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604

- V *Conophytum acutum* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604

- R *Conophytum armianum* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum auriflorum* Tischer ssp.  
*auriflorum* 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum bicarinatum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum blandum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- V *Conophytum burgeri* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604

- R *Conophytum carpiantum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum concavum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum ernstii* S.A.Hammer ssp.  
*ernstii* 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum frutescens* Schwantes 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum herreanthus* S.A.Hammer ssp.  
*herreanthus* 20604  
R 20604 Namibia 20604

- E *Conophytum herreanthus* S.A.Hammer ssp.  
*herreanthus* 20604  
E 20604 South Africa - Cape Province 20604

- R *Conophytum khamesbergense* (L.Bolus) Schwantes 20604  
R 20604 South Africa - Cape Province 20604

- R *Conophytum klinghardtense* Rawe ssp. *baradii* (Rawe)  
S.A.Hammer 20604  
R 20604 Namibia 20604

- R *Conophytum loeschianum* Tischer 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Aizoaceae: *Conophytum*

- R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum phoeniceum* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum regale* Lavis 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum ricardianum* Loesch & Tischer ssp. *ricardianum* 20604  
R 20604 Mozambique 20604
- Ex *Conophytum ricardianum* Loesch & Tischer ssp. *rubriflorum* Tischer 20604  
Ex 20604 Namibia 20604
- R *Conophytum rugosum* S.A.Hammer ssp. *rugosum* 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum schlechteri* Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Conophytum semivestitum* L.Bolus 20604  
Ex 20604 South Africa - Cape Province 20604
- E *Conophytum smorenskaduense* De Boer ssp. *hermarium* S.A.Hammer 20604  
E 20604 South Africa - Cape Province 20604
- R *Conophytum swanepoelianum* Rawe ssp. *swanepoelianum* 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum taylorianum* (Dinter & Schwantes) N.E.Br. ssp. *taylorianum* 20604  
R 20604 Namibia 20604
- V *Conophytum uviforme* (Haw.) N.E.Br. ssp. *subincanum* (Tischer) S.A.Hammer 20604  
V 20604 South Africa - Cape Province 20604
- R *Conophytum vanheerdei* Tischer 20604  
R 20604 South Africa - Cape Province 20604
- R *Conophytum velutinum* Schwantes ssp. *velutinum* 20604  
R 20604 South Africa - Cape Province 20604
- E *Cypselea rubriflora* Urban 5607  
E 19105 Cuba (Matanzas; Cienfuegos) 5607
- V *Delosperma napiforme* (N.E.Br.) Schwantes 10082  
V 14234 Réunion 10082
- R *Delosperma oehleri* (Engl.) Herre 19498  
R 5926 Tanzania (Masai district) 5926
- I *Delosperma pondoense* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604  
I 20604 South Africa - Natal 20604
- I *Delosperma steylerae* L. Bolus 7749  
I Zimbabwe 7749
- I *Delosperma subpetiolatum* L.Bolus 20604  
I 20604 South Africa - Natal 20604
- I *Delosperma suttoniae* Lavis 20604  
I 20604 South Africa - Natal 20604
- I *Delosperma velutinum* L.Bolus 20604  
I 20604 South Africa - Natal 20604
- V *Didymaotus lapidiformis* (Marloth) N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R *Dinteranthus microspermus* (Dinter & Derenb.) Schwantes ssp. *microspermus* 20604  
R 20604 Namibia 20604
- I *Dinteranthus pole-evansii* (N.E.Br.) Schwantes 20604
- I 20604 South Africa - Cape Province 20604
- V *Dinteranthus vanzylii* (L.Bolus) Schwantes 20604  
V 20604 South Africa - Cape Province 20604
- R *Dinteranthus wilmoianus* L. Bolus ssp. *impunctatus* N. Sauer 20604  
R 20604 South Africa - Cape Province 20604
- R *Diplosoma lueckhoffii* (L.Bolus) Schwantes ex Ihlenf. 20604  
R 20604 South Africa - Cape Province 20604
- E *Diplosoma retroversum* (Kensit) Schwantes 20604  
E 20604 South Africa - Cape Province 20604
- R *Drosanthemum bellum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Drosanthemum hallii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Drosanthemum micans* (L.) Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- R *Drosanthemum thudichumii* L.Bolus var. *gracilius* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Ectotropis alpina* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- E *Erepsia brevipedata* L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- R *Erepsia dubia* Liede 20604  
R 20604 South Africa - Cape Province 20604
- I *Erepsia hallii* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Erepsia insignis* (Schltr.) Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- R *Erepsia patula* (Haw.) Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- V *Erepsia pentagona* (L.Bolus) L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- I *Erepsia pillansii* (Kensit) Liede 20604  
I 20604 South Africa - Cape Province 20604
- E *Erepsia polita* (L.Bolus) L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- R *Erepsia polypetalata* (A.Berger & Schltr.) L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Erepsia promontorii* L.Bolus 20604  
Ex 20604 South Africa - Cape Province 20604
- I *Erepsia steylerae* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- V *Erepsia villiersii* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- V *Faucaria tigrina* (Haw.) Schwantes 20604  
V 20604 South Africa - Cape Province 20604
- R *Fenestraria rhopalophylla* (Schltr. & Diels) N.E.Br. ssp. *aurantiaca* (N.E.Br) H.E.H.Hartmann 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Frithia pulchra* N.E.Br. var. *pulchra* 20604  
R 20803 South Africa - Transvaal 20604
- Ex *Gibbaeum esterhuyensiae* L.Bolus 20604, 3774  
Ex 20604 South Africa - Cape Province 20604
- I *Gibbaeum schwantesii* Tischer 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Aizoaceae: *Gibbaeum*

- I 20604 South Africa - Cape Province 20604
- R *Gunniopsis kochii* (W.Wagner) Chinn. 20681  
R 20681 Australia - South Australia 20681
- E *Hydrodea cryptantha* (Hook.f.) N.E. Br. 18996  
E 18996 St Helena 18996
- R *Jacobsenia hallii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Jordaniella clavifolia* (L.Bolus)  
H.E.K.Hartmann 20604  
R 20604 South Africa - Cape Province 20604
- I *Jordaniella uniflora* (L.Bolus) H.E.K.Hartmann 20604  
I 20604 South Africa - Cape Province 20604
- R *Lampranthus algoensis* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Lampranthus dunensis* (Sond.) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Lampranthus fugitans* L.Bolus 20604  
R 20604 South Africa - Cape Province (Transkei)  
20604  
K 20604 South Africa - Natal 20604
- R *Lampranthus rustii* (A.Berger) N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- V *Lampranthus scaber* (L.) N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R *Lithops aucampiae* L.Bolus ssp. *euniciae* (De Boer)  
D.T.Cole var. *euniciae* 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops aucampiae* L.Bolus ssp. *euniciae* (De Boer)  
D.T.Cole var. *fluminalis* D.T.Cole 20604  
R 20604 South Africa - Cape Province 20604
- I *Lithops bromfieldii* L.Bolus var. *glaudivinae* (De Boer) D.T.Cole 20604  
I 20604 South Africa - Cape Province 20604
- V *Lithops coleorum* S.A.Hammer & R.Uijs 20604  
V 20604 South Africa - Transvaal 20604
- E *Lithops comptonii* L. Bolus var. *comptonii* 20604  
E 20604 South Africa - Cape Province 20604
- R *Lithops comptonii* L.Bolus var. *weberi* (L.Bolus)  
B.Fearn 20604  
R 20604 South Africa - Cape Province 20604
- I *Lithops divergens* L. Bolus var. *amethystina* De Boer 20604  
I 20604 South Africa - Cape Province 20604
- V *Lithops divergens* L. Bolus var. *divergens* 20604  
V 20604 South Africa - Cape Province 20604
- V *Lithops dorotheae* Nel 20604  
V 20604 South Africa - Cape Province 20604
- R *Lithops fulviceps* (N.E.Br.) N.E.Br. var. *lactinea*  
D.T.Cole 20604  
R 20604 Namibia 20604
- I *Lithops gesineae* De Boer var. *annae* (De Boer)  
D.T.Cole 20604  
I 20604 Namibia 20604
- E *Lithops gesineae* De Boer var. *gesineae* 20604  
E 20604 Namibia 20604
- R *Lithops geyeri* Nel 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops gracilidelineata* Dinter ssp. *brandbergensis*  
(De Boer) D.T.Cole 20604  
R 20604 Namibia 20604
- R *Lithops helmutii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops hookeri* (A.Berger) Schwantes var. *susannae*  
(D.T.Cole) D.T.Cole 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops lesliei* (N.E.Br.) N.E.Br. ssp. *burchellii*  
D.T.Cole 20604  
R 20604 Lesotho 20604
- R *Lithops meyeri* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops naureeniae* D.T.Cole 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops olivacea* L.Bolus var. *nebrownii*  
D.T.Cole 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops otzeniana* Nel 20604  
R 20604 South Africa - Cape Province 20604
- R *Lithops pseudotruncatella* (A.Berger) N.E.Br. ssp. *pseudotruncatella* var. *elisabethae* (Dinter) de Boer & Boom 20604  
R 20604 Namibia 20604
- R *Lithops pseudotruncatella* (A.Berger) N.E.Br. ssp. *pseudotruncatella* var. *riehmerae*  
D.T.Cole 20604  
R 20604 Namibia 20604
- R *Lithops pseudotruncatella* (A.Berger) N.E.Br. ssp. *volkii* (Schwantes ex de Boer & Boom) D.T.Cole 20604  
R 20604 Namibia 20604
- V *Lithops salicola* N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Orange Free State 20604
- R *Lithops schwantesii* Dinter ssp. *schwantesii* var. *rugosa* (Dinter) de Boer & Boom 20604  
R 20604 Namibia 20604
- R *Lithops viridis* C.A.Lückh. 20604  
R 20604 South Africa - Cape Province 20604
- I *Maughaniella luckhoffii* (L. Bolus) L. Bolus  
I Southern Africa
- E *Mesembryanthemum gaussonii* Leredde 10488  
E 14958 Algeria 10488
- R *Mitrophyllum abbreviatum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Mitrophyllum roseum* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Mossia intervallaris* (L.Bolus) N.E.Br. 20604  
R 20604 South Africa - Transvaal 20604
- E *Muiria hortenseae* N.E.Br. 20604  
E 20604 South Africa - Cape Province 20604
- I *Nelia pillansii* (N.E.Br.) Schwantes 20604  
I 20604 South Africa - Cape Province 20604
- R *Nelia schlechteri* Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- R *Neohenricia spiculata* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604
- I *Odontophorus marlothii* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Aizoaceae: *Odontophorus*

- R *Ophthalmophyllum villetii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- E *Orthopterum coegana* L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- R *Pleiospilos compactus* (Aiton) Schwantes ssp. *minor*  
(L.Bolus) H.E.K.Hartmann & Leide 20604  
R 20604 South Africa - Cape Province 20604
- I *Pleiospilos nelii* Schwantes 20604  
I 20604 South Africa - Cape Province 20604
- E *Pleiospilos simulans* (Marloth) N.E.Br. 20604  
E 20604 South Africa - Cape Province 20604
- I *Rabiea jamesii* (L.Bolus) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- I *Rhinephyllum inaequale* L.Bolus var. *latipetalum*  
L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Ruschia amicornum* (L.Bolus) Schwantes 20604  
R 20604 South Africa - Cape Province 20604
- I *Ruschia filamentosa* (L.) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Ruschia firma* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- E *Ruschia leipoldtii* L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- E *Ruschia promontorii* L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- I *Ruschia rubricaulis* (Haw.) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- E *Saphesia flaccida* (Jacq.) N.E.Br. 20604  
E 20604 South Africa - Cape Province 20604
- I *Schwantesia acutipetala* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- V *Schwantesia borchersii* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- I *Schwantesia triebneri* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Scopelogenia verruculata* (L.) L.Bolus nom.  
inval. 20604  
R 20604 South Africa - Cape Province 20604
- R *Sesuvium ayresii* Marais 10082  
R 5852 Mauritius 10082  
R 5852 Mauritius - Rodrigues 5852
- E *Sesuvium trianthemoides* Correll 20850, 14662  
E 20850 U.S. - Texas 20850
- I *Stomatium geoffreyi* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- I *Stomatium ronaldii* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Tanquana archeri* (L.Bolus) H.E.K.Hartmann &  
Liede 20604  
R 20604 South Africa - Cape Province 20604
- R *Tanquana hilmarii* (L.Bolus) H.E.K.Hartmann &  
Liede 20604  
R 20604 South Africa - Cape Province 20604
- E *Tetragonia crystallina* L'Her. 18200  
E 9446 Peru 18200
- I *Tetragonia pentandra* Balf. f. 15534  
I 15534 Yemen - Socotra 15534

- V *Tetragonia vestita* I.M. Johnston 18200  
V 12468 Peru 18200
- Ex *Trianthema cypseleoides* (Fenzl) Benth. 20681  
Ex 20681 Australia - New South Wales 20681
- R *Trianthema megasperma* A.Prescott 20681  
R 20681 Australia - Northern Territory 20681
- I *Trichodiadema aureum* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Trichodiadema burgeri* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Trichodiadema hallii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Trichodiadema obliquum* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- I *Trichodiadema peersii* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Trichodiadema pygmaeum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Trichodiadema rogersiae* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- I *Trichodiadema rupicolum* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Vlokia ater* S.A.Hammer 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Zeuktophyllum suppositum* (L.Bolus) N.E.Br. 20604  
Ex 20604 South Africa - Cape Province 20604

Alzateaceae

Number of genera:	1
Number of species:	1
Recorded threatened species:	1 (100%)

Peru, Bolivia.

- R *Alzatea verticellata* Ruiz Lopez & Pavon ssp.  
*verticellata* 11371  
R Bolivia 11371  
R 19960 Peru 18200

Amaranthaceae

Number of genera:	65 - 70
Number of species:	900
Recorded threatened species:	44 (4%)

Tropical and subtropical.

- E *Achyranthes arborescens* R. Br. 11649  
E 11649 Australia - Norfolk Is. 11649
- E *Achyranthes aspera* L. var. *borbonica* (Willd. ex  
Schultes) Townsend  
E 14220 Réunion 14220
- Ex/E *Achyranthes atollensis* St. John 20850, 14301  
Ex/E 20850 U.S. - Hawaii 20850
- R *Achyranthes coynei* Sant. 13883  
R 13883 India - Maharashtra (Khandala, Pune)  
13883
- I *Achyranthes diandra* Roxb. 8021  
I 16162 Sri Lanka 8021
- Ex *Achyranthes mangarevica* Suesseng. 20845  
Ex 20845 French Polynesia - Tuamotu Is. 20845
- I *Achyranthes marchionica* F.Brown 20845  
I 20845 French Polynesia - Marquesas Is 20845



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Amaranthaceae: *Achyranthes*

- E** *Achyranthes mutica* Gray 20850, 14209  
**E** 20850 U.S. - Hawaii (Kauai, Hawaii) 20850
- V** *Achyranthes splendens* Mart. ex Moq. 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- E** *Achyranthes splendens* Mart. ex Moq. var. *rotundata* Hbd. 20850  
**E** 20850 U.S. - Hawaii 20850
- V** *Achyranthes splendens* Mart. ex Moq. var. *splendens* 20850  
**V** 20850 U.S. - Hawaii 20850
- E** *Aerva congesta* Balf.f. 10082  
**E** 20771 Mauritius 5852  
**Ex** 5852 Mauritius - Rodrigues 5852
- R** *Aerva microphylla* Moq. 15534  
**R** 15534 Yemen - Socotra 15534
- R** *Aerva revoluta* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- I** *Aerva wightii* Hook.f. 14782  
**I** 14782 India - Kerala (Tirunelveli hills) 18341  
**I** 14782 India - Tamil Nadu (Tirunelveli Hills) 18341
- E** *Alternanthera crassifolia* (Standley) Alain 5607  
**E** 19105 Cuba (Santiago de Cuba) 5607
- R** *Alternanthera filifolia* (Hook.f.) J. Howell ssp. *glauca* J. Howell 11117  
**R** Ecuador - Galapagos (Tortuga) 5670
- R** *Alternanthera filifolia* (Hook.f.) J. Howell ssp. *microcephala* Eliasson 11117  
**R** Ecuador - Galapagos 11117
- R** *Alternanthera filifolia* (Hook.f.) J. Howell ssp. *pintensis* Eliasson 11117  
**R** Ecuador - Galapagos (Pinta) 11117
- R** *Alternanthera filifolia* (Hook.f.) J. Howell ssp. *rabidensis* Eliasson 11117  
**R** Ecuador - Galapagos (Rabida) 11117
- R** *Alternanthera galapagensis* (A. Stewart) J. Howell 11117  
**R** Ecuador - Galapagos 11117
- R** *Alternanthera helleri* (Robinson) J. Howell 11117  
**R** Ecuador - Galapagos (Darwin, Wolf) 11117
- R** *Alternanthera maritima* (Mart.) St.-Hil. 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Louisiana 20850
- E** *Alternanthera nesiotes* I.M. Johnston 11117  
**E** Ecuador - Galapagos (Floreana) 11117
- R** *Alternanthera snodgrassii* (Robinson) J. Howell 11117  
**R** Ecuador - Galapagos 11117
- E** *Amaranthus brownii* Christoph. & Caum 20850, 14209  
**E** 20850 U.S. - Hawaii (Nihoa) 20850
- R** *Amaranthus floridanus* (S.Watson) Sauer 20850  
**R** 20850 U.S. - Florida 20850
- R** *Amaranthus furcatus* J. Howell 11117  
**R** Ecuador - Galapagos 11117
- V** *Amaranthus pumilus* Raf. 20850, 15978  
**Ex/E** 20850 U.S. - Connecticut 20850  
**Ex/E** 20850 U.S. - Delaware 20850  
**Ex/E** 20850 U.S. - Maryland 20850  
**Ex** 20850 U.S. - Massachusetts 20850  
**Ex/E** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - New York 20850  
**V** 20850 U.S. - North Carolina 20850
- Ex/E** 20850 U.S. - Rhode Is. 20850  
**E** 20850 U.S. - South Carolina 20850  
**Ex/E** 20850 U.S. - Virginia 20850
- E** *Amaranthus urceolatus* Bentham 18200  
**E** 9446 Peru 18200
- Ex** *Blutaparon rigidum* (Robinson & Greenman) Mears 11117  
**Ex** Ecuador - Galapagos (Santiago) 11117
- R** *Celosia taitoensis* Hayata 20511  
**R** 20511 Taiwan 20511
- E** *Charpentiera densiflora* Sohmer 20850, 14209  
**E** 20850 U.S. - Hawaii (Kua`i) 20850
- I** *Cyathula ceylanica* Hook.f. 8021  
**I** 16162 Sri Lanka (Uma Oya, Kandy District) 8021
- R** *Froelichia juncea* Robinson & Greenman ssp. *alata* J. Howell 11117  
**R** Ecuador - Galapagos (Santa Cruz) 11117
- R** *Froelichia juncea* Robinson & Greenman ssp. *juncea* 11117  
**R** Ecuador - Galapagos (Isabela) 11117
- R** *Froelichia nudicaulis* Hook.f. ssp. *curta* J. Howell 11117  
**R** Ecuador - Galapagos (Pinzon) 11117
- R** *Froelichia nudicaulis* Hook.f. ssp. *nudicaulis* 11117  
**R** Ecuador - Galapagos 11117
- I** *Hermboetidia capitata* Schinz 20604  
**I** 20604 South Africa - Transvaal 20604
- R** *Iresine arrecta* Standley 9037  
**R** 19754 Costa Rica 9037
- R** *Iresine costaricensis* Standley 9037  
**R** 19754 Costa Rica 9037
- R** *Lithophila radicata* (Hook.f.) Standley 11117  
**R** Ecuador - Galapagos 11117
- R** *Lithophila subscaposa* (Hook.f.) Standley 11117  
**R** Ecuador - Galapagos (Pinzon; Santiago; Floreana) 11117
- V** *Nototrichium humile* Hbd. 20850  
**V** 20850 U.S. - Hawaii 20850
- E** *Nototrichium humile* Hillebrand var. *humile* 14209  
**E** 14209 U.S. - Hawaii 14209
- R** *Pleuropetalum darwinii* Hook.f. 11117  
**R** Ecuador - Galapagos 11117
- R** *Pleuropetalum pleiogynum* (Kuntze) Standl. 20883  
**I** 20883 Costa Rica 20883  
**R** 20883 Panama 20883
- I** *Psilotrichium aphyllum* C.C. Townsend 15534  
**I** 15534 Yemen - Socotra 15534
- R** *Ptilotus aristatus* Benl 20681  
**I** 20681 Australia - Northern Territory 20681  
**I** 20681 Australia - South Australia 20681
- V** *Ptilotus beckerianus* (F.Muell.) J.Black 20681  
**V** 20681 Australia - South Australia 20681
- R** *Ptilotus comatus* Benl 20681  
**R** 20681 Australia - Northern Territory 20681
- Ex** *Ptilotus fasciculatus* Fitzg. 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- R** *Ptilotus maconochiei* Benl 20681  
**R** 20681 Australia - Queensland 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): **Amaranthaceae: *Ptilotus***

- R** *Ptilotus pseudohelipteroid* Benl 20681  
R 20681 Australia - Queensland 20681
- Ex** *Ptilotus pyramidatus* (Moq.) F.Muell. 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- R** *Ptilotus remotiflorus* Benl 20681  
R 20681 Australia - Queensland 20681

**Anacardiaceae**

Number of genera: 60-80  
Number of species: 600  
Recorded threatened species: 86 (14%)

Tropical and subtropical, few temperate species.

- R** *Anacardium corymbosum* Barbosa Rodrigues 20883  
I 20883 Brazil 20883
- R** *Anacardium fruticosum* Mitchell & S.A.Mori 20883  
I 20883 Guyana 20883
- V** *Astronium gracile* var. *acuminatum* (Chodat & Hassler) F. Barkley 21001, 20883  
V 20883 Paraguay 20883
- I** *Astronium urundeuva* (Allemão) Engl. 19951  
E Argentina 12382  
V 20176 Argentina - Jujuy 20176  
V 20176 Argentina - Salta 20176  
E Bolivia 12382  
V 17746 Brazil - Bahia 17248  
V 17746 Brazil - Goias 17248  
V 17746 Brazil - Maranhao 17248  
V 17746 Brazil - Mato Grosso 17248  
V 17746 Brazil - Minas Gerais 17248  
V 17746 Brazil - Piaui 17248  
E Brazil - Sao Paulo 17248  
I Paraguay 20103
- R** *Astronium urundeuva* (Fr. Allem) Engler var. *candollei* (Engl.) Hassler 21056  
R 20883 Argentina 20883  
Brazil 21056  
R 20883 Paraguay 20883
- R** *Bouea poilanei* Evrard 6057  
R Vietnam 6057
- E** *Buchanania barberi* Gamble 13883  
E 13883 India - Kerala (Travancore) 13883
- I** *Buchanania lanceolata* Wight  
I India - Kerala (Quilon, Travancore)
- I** *Buchanania platyneura* Kurz 14782  
I 14782 India - Andaman Is. 14782  
I 14782 India - Nicobar Is. 14782
- V** *Camposperma seychellarum* Marchand 14296  
V 19181 Seychelles 14296
- R** *Camposperma zeylanicum* Thwaites 8021  
R 12838 Sri Lanka 8021
- R** *Choerospondias axillaris* (Roxb.) B.L. Burt & A.W. Hill var. *japonica* (Ohwi) Ohwi 10572  
R 10572 Japan 10572
- R** *Comocladia cordata* Britton 20883, 13336  
R 13336 Jamaica 20883
- E** *Comocladia parvifolia* Britton 20883  
E 20883 Jamaica 20883
- Ex/E** *Comocladia undulata* Urban 19001  
Ex/E 19001 Martinique 19001
- R** *Comocladia velutina* Britton 20883  
R 20883 Jamaica 20883

- V** *Cyrtocarpa caatingae* Mitchell & Daly 20883, 21345  
I 20883 Brazil 20883
- R** *Dracontomelon petelotii* Tard. 6057  
R Vietnam 6057
- R** *Dracontomelon schmidii* Tard. 6057  
R Vietnam 6057
- R** *Euleria tetramera* Urban 5607  
R 19105 Cuba 5607
- V** *Euroschinus aoupiniensis* Hoff 20893  
V 20893 New Caledonia 20893
- V** *Euroschinus jaffrei* Hoff 20893  
V 20893 New Caledonia 20893
- R** *Gluta compacta* Evrard 6057  
R Vietnam 6057
- R** *Gluta megalocarpa* (Evrard) Tard. 6057  
R Vietnam 6057
- V** *Haplorhus peruviana* Engler 20883, 13875  
V 20883 Chile (Arza Region) 21089  
R 12468 Peru (south) 21089
- V** *Lanea transulta* (Balf. f.) A.R. Smith 15534  
V 15534 Yemen - Socotra 15534
- V** *Mangifera andamanica* King 7739  
V 14782 India - Andaman Is. 7739
- E** *Mangifera flava* Evrard 7739  
E Kampuchea 7739  
E Vietnam 7739
- I** *Mangifera khasiana* Pierre 7739  
I India - Assam (Khasi hills) 7739
- E** *Mangifera lambii* Kosterm. 10582  
E Malaysia - Sabah (Tenom) 10582
- R** *Mangifera minutifolia* Evrard 7739  
R Vietnam 7739
- V** *Mangifera monandra* Merr. 7739  
V Philippines 7739
- E** *Mangifera superba* Hook.f. 7739  
E Malaysia - Peninsular Malaysia 7739
- I** *Mangifera torquenda* Kosterm. 10582  
I Indonesia - Kalimantan 10597  
E Malaysia - Sabah 10582
- I** *Mangifera whitmorei* Kochummen 10592  
I Malaysia - Peninsular Malaysia (along Rekam R., N. Perak) 10592
- R** *Mangifera zeylanica* (Blume) Hook.f. 7739  
R 12838 Sri Lanka 7739
- I** *Melanochyla nitida* King 19209  
I 19209 Malaysia - Peninsular Malaysia (Pulau Pinang/Penang & Prai, Perak) 19209
- E** *Nothopegia aureo-fulva* Beddome ex Hook.f. 13883  
E 13883 India - Tamil Nadu (Tirunelveli Hills) 13883
- I** *Nothopegia colebrookiana* (Wight) Blume  
I India - Tamil Nadu
- R** *Orthopterygium huancui* (Gray) Hemsley 18200  
R 12468 Peru 18200
- R** *Ozoroa namaquensis* (Sprague) Von Teichman & A.E.van Wyk 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R** *Pistacia coccinea* Collett & Hemsley  
R Myanmar (Shan Hills)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Anacardiaceae: *Pistacia*

- R** *Pistacia malayana* M.R. Henderson  
R Malaysia - Peninsular Malaysia
- E** *Poupartia borbonica* Gmelin 10082  
E 20771 Réunion 10082  
E 20771 Mauritius 10082
- E** *Poupartia castanea* (Baker) Engl. 10082  
E 5852 Mauritius - Rodrigues 5852
- E** *Poupartia pubescens* (Baker) Engl. 10082  
E 20771 Mauritius 10082
- R** *Rhus albomarginata* Sond. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Rhus batophylla* Codd 20604  
R 20604 South Africa - Transvaal 20604
- I** *Rhus glutinosa* A.Rich. ssp. *glutinosa* var. *unifoliolata* Cufodontis 20907  
I 20907 Ethiopia (Gojam) 20907
- R** *Rhus kwazuluana* Moffett 20604  
R 20604 South Africa - Natal 20604
- R** *Rhus maricoana* Moffett 20604  
R 20604 South Africa - Transvaal 20604
- V** *Rhus michauxii* Sarg. 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - North Carolina 20850  
Ex 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Virginia 20850
- R** *Rhus monticola* Meikle 7749  
R Malawi (Mt. Mlanje) 7749
- R** *Rhus rhodesiensis* R. & A. Fernandes 7750  
R Zimbabwe 7750
- R** *Rhus rudatisii* Engl. 20604  
R 20604 South Africa - Natal 20604
- R** *Rhus sekhukhuniensis* Moffett 20604  
R 20604 South Africa - Transvaal 20604
- R** *Rhus wildii* R. & A. Fernandes 7749  
R Zimbabwe 7749
- I** *Schinopsis haenkeana* Engl. 10007  
V 19448 Argentina 19448  
I 20176 Argentina - Cordoba 20176  
I 20176 Argentina - San Juan 20176  
I 20176 Argentina - San Luis 20176  
V 19354 Bolivia 19354
- R** *Schinus longifolius* (Lindl.) Spreg. var. *paraguariensis* (Hassler) F. Barkley 21056  
I 20883 Argentina 20883  
Brazil 21056  
V 20883 Paraguay 20883  
V 20883 Uruguay 20883
- I** *Schinus patagonicus* (Philippi) I.M. Johnston 16336  
I 16336 Argentina 16336  
I 20176 Argentina - Chubut 20176  
I 20176 Argentina - Neuquen 20176  
I 20176 Argentina - Rio Negro 20176
- R** *Schinus terebinthifolius* Raddi 20883  
I 20883 Ecuador 20883
- R** *Sclerocarya gillettii* Kokwaro 20057  
R 20057 Kenya 20057
- I** *Semecarpus auriculata* Beddome 5379  
I India - Kerala (Western Ghats) 5379  
I India - Tamil Nadu (Muthukuzhivayal) 5379
- R** *Semecarpus caudata* Pierre 6057  
R Vietnam 6057
- R** *Semecarpus gardneri* Thwaites 8021  
R 12838 Sri Lanka 8021
- V** *Semecarpus marginata* Thwaites 8021  
V 12838 Sri Lanka (Gilimale FoR) 8021
- I** *Semecarpus moonii* Thwaites 8021  
I 16162 Sri Lanka (Kottawa Arboretum, Galle) 8021
- R** *Semecarpus myriocarpa* Evrard & Tard. 6057  
R Vietnam 6057
- I** *Semecarpus obovata* Moon 8021  
I 16162 Sri Lanka 8021
- V** *Semecarpus ochracea* Alston 12838  
V 12838 Sri Lanka 12838
- V** *Semecarpus parvifolia* Thwaites 8021  
V 12838 Sri Lanka 8021
- I** *Semecarpus paucinervius* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Semecarpus pubescens* Thwaites 8021  
E 12838 Sri Lanka 8021
- E** *Semecarpus riparia* Virost 20893  
E 20893 New Caledonia 20893
- R** *Semecarpus subpeltata* Thwaites 8021  
R 12838 Sri Lanka 8021
- V** *Semecarpus supanduriformis* Wallich 14872  
V 14872 Bangladesh 14872
- R** *Semecarpus walkeri* Hook.f. 8021  
R 12838 Sri Lanka 8021
- R** *Swintonia minuta* Evrard 6057  
R Vietnam 6057
- V** *Tapirira bethanniana* Mitchell 20883, 21344  
I 20883 French Guiana 20883
- R** *Thrsodium bolivianum* Mitchell & Daly 20883, 21343  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- V** *Trichoscypha albiflora* Engl. 7926  
V 20858 Ghana 6072  
V 20858 Liberia
- V** *Trichoscypha atropurpurea* Engl. 20274  
V 20858 Ghana 20274  
V 20858 Liberia 7926  
V 20858 Nigeria 20274
- V** *Trichoscypha beguei* Aubrev. & Pellegr. 20274  
V 20858 Côte d'Ivoire 7926  
V 20858 Ghana 20274  
V 20858 Liberia 7926
- V** *Trichoscypha cavalliensis* Aubrev. & Pellegr. 20274  
V 20858 Côte d'Ivoire 7926  
V 20858 Ghana 20274  
V 20858 Liberia 7926
- E** *Trichoscypha chevalieri* Aubrev. & Pellegr. 20274  
E 20858 Côte d'Ivoire 20274  
E 20858 Ghana 20274
- R** *Trichoscypha liketensis* Veken 19358  
R 19358 Zaire (Forestier Central) 19358
- R** *Trichoscypha parvifoliolata* Veken 19358  
R 19358 Zaire (Kasai) 19358

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ancistrocladaceae: *Ancistrocladus*

### Ancistrocladaceae

Number of genera: 1  
Number of species: 15-20  
Recorded threatened species: 2 (11%)

Tropics.

- V *Ancistrocladus robertsoniorum* Leonard 7959  
V 20057 Kenya (Mwele; Gongoni; Buda Forest) 7959  
E *Ancistrocladus uncinatus* Hutch. & Dalz. 7926  
E 20749 Nigeria (Eket) 7926

### Anisophylleaceae

Number of genera: 4  
Number of species: 30  
Recorded threatened species: 2 (5%)

Tropical or subtropical forests, mostly Africa and Indomalaysia; South America.

- R *Anisophyllea cinnamomoides* (Gardner & Champ.)  
Alston 8021  
R 12838 Sri Lanka 8021  
R *Anisophyllea obtusifolia* Engl. & Brehmer 20556  
R 5926 Tanzania (east Usambara mountains) 5926

### Annonaceae

Number of genera: 125-130  
Number of species: 2,300  
Recorded threatened species: 212 (9%)

Mainly tropical, rarely warm temperate.

- I *Alphonsea hortensis* H. Huber 8021  
I 16162 Sri Lanka 8021  
I *Alphonsea keithii* Ridl. 19120  
I 19120 Thailand 19120  
I *Alphonsea zeylanica* Hook.f. & Thomson 8021  
I 16162 Sri Lanka 8021  
R *Anaxagorea floribunda* Timmerman 13769  
R 13713 Peru 13769  
R *Anaxagorea macrantha* R.E. Fries 13769  
R 13713 Brazil 13769  
R *Anaxagorea manausensis* Timmerman 13769  
R 13713 Brazil 13769  
R *Anaxagorea pachypetala* (Diels) R.E. Fries 13769  
R 13713 Peru 13769  
R *Anaxagorea rheophytica* P. Maas & Westra 13771  
R 13713 Venezuela 13771  
V *Anaxagorea silvatica* R. E Fries 13769  
V 13713 Brazil 13769  
R *Ancana hirsuta* Jessup 20681  
R 20681 Australia - Queensland 20681  
V *Annona acuminata* Saff. 20883, 9006  
V 20883 Panama 20883  
R *Annona campestris* R. E. Fries 20883  
I 20883 Paraguay 20883  
V *Annona coriacea* var. *cuneata* R. E.  
Fries 20883  
I 20883 Paraguay 20883  
I *Annona domingensis* R.E.Fries 21008  
I 21008 Dominican Republic (around Santo Domingo)  
21008

- I *Annona ekmanii* R.E. Fries 5607  
I 19105 Cuba (Holguin) 5607  
V *Annona elliptica* R.E. Fries 5607  
V 19105 Cuba (Pinar del Rio) 5607  
R *Annona glaucophylla* R. E. Fries 20883, 19951  
I 20883 Paraguay 20883  
E *Annona havanensis* R.E. Fries 5607  
E 19105 Cuba (Ciud. Habana; Matanzas) 5607  
V *Annona hayesii* Standl. 20883, 10747  
V 20883 Panama 20883  
V *Annona jamaicensis* Sprague 20883  
R 20883 Jamaica 20883  
E *Annona moaensis* Leon & Alain 5607  
E 19105 Cuba (Holguin) 5607  
R *Annona oblongifolia* R.E. Fries 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607  
V *Annona paraguayensis* R. E. Fries 20883, 19951  
I 20883 Paraguay 20883  
V *Annona phaeoclados* C. Martius 20883, 19951  
I 20883 Paraguay 20883  
R *Annona praetermissa* F. & R. 20883, 13336  
R 13336 Jamaica 20883  
V *Annona spraguei* Saff. 20883, 9006  
V 20883 Panama 20883  
I *Artabotrys brevipes* Craib 19120  
I 19120 Thailand 19120  
R *Artabotrys fragrans* Ast 6057  
R Vietnam 6057  
R *Artabotrys hispidus* Sprague & Hutch. 7926  
R Sierra Leone 7926  
R *Artabotrys le-testui* Pellegrin  
R Gabon  
R *Artabotrys modestus* Diels ssp.  
*modestus* 19499  
R 5926 Tanzania (Lindi) 5926  
R *Artabotrys nicobaricus* D. Das 7771  
R 14782 India - Nicobar Is. 14782  
I *Artabotrys oblanceolatus* Craib 19120  
I 19120 Thailand 19120  
I *Artabotrys sponosus* Craib 19120  
I 19120 Thailand 19120  
R *Artabotrys vanprukii* Craib 19120  
R 19120 Thailand 19120  
I *Artabotrys vidaliana* Elm. 13833  
I 13833 Philippines (Palawan) 13833  
R *Asimina obovata* (Willd.) Nash 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
E *Asimina tetramera* Small 20850  
E 20850 U.S. - Florida 20850  
R *Asteranthe trollii* Diels 5926  
R 5926 Tanzania (Uluguru mountains) 5926  
R *Bocageopsis pleiosperma* P. Maas 13713  
R 13713 Brazil 13713  
I *Cyathostemma longipes* Craib 19120  
I 19120 Thailand 19120  
E *Cymbopetalum torulosum* G. E. Schatz 20883, 11312  
I 20883 Costa Rica 20883

The 1997 IUCN Red List of Threatened Plants  
Magnoliopsida (dicots): Annonaceae: *Cymbopetalum*

- I 20883 Panama 20883
- R *Dasymaschalon evrardii* Ast 6057  
R Vietnam 6057
- I *Dasymaschalon scandens* Elm. 13833  
I 13833 Philippines (low and medium altitudes) 13833
- E *Deeringothamnus pulchellus* Small 20850  
E 20850 U.S. - Florida 20850
- E *Deeringothamnus rugelii* (B.L. Robins.) Small 20850  
E 20850 U.S. - Florida 20850
- V *Dennettia tripetala* Bak.f. 20274  
V 20858 Tropical Africa (Guinea-wide) 20858  
V 20858 Ghana 20274  
V 20858 Nigeria 18326
- I *Desmos palawanensis* (Elm.) Merr. 13833  
I 13833 Philippines (low and medium altitudes) 13833
- E *Desmos viridiflorus* (Beddome) Saff. 11494  
E 11494 India - Kerala 11494  
E 11494 India - Tamil Nadu 11494
- R *Duckeanthus grandiflorus* R.E. Fries 13774  
R 13713 Brazil 13774
- V *Enantia kummeriae* Engl. & Diels 19499  
V 5926 Tanzania (East Usambara & Udzungwa Mts.) 5926
- V *Enicosanthum acuminata* (Thwaites) Airy Shaw 8021  
V 12838 Sri Lanka (south-west) 8021
- E *Friesodielsia obanensis* (Baker f.) van Steenis 7926  
E Nigeria (Oban) 7926
- I *Goniothalamus expansus* Craib 19120  
I 19120 Thailand 19120
- V *Goniothalamus hookeri* Thwaites 8021  
V 12838 Sri Lanka (Sinharaja; Reigam Korale) 8021
- R *Goniothalamus rhynchantherus* Dunn 11494  
R 11494 India - Kerala (Trivandrum District) 11494  
R 11494 India - Tamil Nadu (Tirunelveli District) 11494
- I *Goniothalamus simonsii* Hook.f. & Thomson  
I India - Meghalaya
- R *Goniothalamus takhtajanii* Ban 6057  
R 20985 Vietnam 6057
- I *Goniothalamus thomsonii* Thwaites 8021  
I 16162 Sri Lanka (Hinidumkanda, Kanneliya) 8021
- I *Goniothalamus wynaadensis* Beddome  
I India - Tamil Nadu
- R *Greenwayodendron suaveolens* (Engl. & Diels) Verdc. ssp. *usambaricum* Verdc. 19499  
R 5926 Tanzania (east Usambara Mts.) 5926
- I *Guatteria cargadero* Triana & Planchon 19353  
I 19352 Colombia 19353
- V *Guatteria jefensis* Barringer 20883, 9077  
I 20883 Panama 20883
- E *Guatteria panamensis* R.E. Fries 20883, 9006  
I 20883 Panama 20883
- R *Guatteriella campinensis* Morawetz & P. Maas 13776  
R 13713 Brazil 13776
- R *Guatteriella tomentosa* R.E. Fries 13777  
R 13713 Brazil 13777
- R *Guatteriopsis kuhlmannii* R.E. Fries 13781  
R 13713 Brazil 13781
- R *Haplosticha mus johnsonii* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- R *Heteropetalum brasiliense* Benth. 13782  
R Brazil 13783
- R *Heteropetalum spruceanum* R.E. Fries 13782  
R Brazil 13783
- R *Hexalobus mossambicensis* N. Robson 7749  
R Mozambique (north) 20886
- R *Hornschurchia alba* (A. St. Hil.) R.E. Fries 11309  
R 13713 Brazil 11309
- R *Hornschurchia cauliflora* P. Maas & van Setten 13773  
R 13713 Brazil 13773
- R *Hornschurchia myrtillicus* Nees 11309  
R 13713 Brazil 13713
- R *Hornschurchia obliqua* P. Maas & van Setten 13773  
R 13713 Brazil 13773
- R *Hornschurchia polyantha* P. Maas 13713  
R 13713 Brazil 13713
- V *Isolona cauliflora* Verdc. 19499  
V 19109 Kenya (Makadara & Mangea forest) 19109  
V 5926 Tanzania (east Usambara Mts.) 5926
- V *Isolona deightonii* Keay 20274  
V 20858 Ghana 20274  
V 20858 Sierra Leone 20767
- R *Malmea costaricensis* R.E. Fries 9037  
R 9426 Costa Rica 9037
- I *Melodorum fuscum* Craib 19120  
I 19120 Thailand 19120
- V *Miliusa nilagirica* Beddome 13883  
V 13883 India - Tamil Nadu 13883
- R *Miliusa parviflora* Ridley  
R Malaysia - Peninsular Malaysia (Perlis; Kedah)
- I *Miliusa tectona* Hutch. ex Parkinson 7771  
I 7771 India - Andaman Is. 7771
- I *Miliusa zeylanica* Gardner ex Hook.f. & Thomson 8021  
I 16162 Sri Lanka (Reigam Korale; Bentota) 8021
- I *Mitrephora alba* Craib 19120  
I 19120 Thailand 19120
- R *Mitrephora andamanica* Thoth. & Das 7771  
R 14782 India - Andaman Is. 14782
- I *Mitrephora caudata* Merr. 13833  
I 13833 Philippines 13833
- V *Mitrephora collinsae* Craib 19120  
V 19120 Thailand 19120
- I *Mitrephora fragrans* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- V *Mitrephora keithii* Ridl. 19120  
V 19120 Thailand 19120
- I *Mitrephora lanota* (Blanco) Merr. 13780  
I 15960 Philippines 13780
- V *Mitrephora winitii* Craib 19120  
V 19120 Thailand 19120
- V *Monanthotaxis capea* (E.G. Camus) Verdc. 11631  
V 20887 Côte d'Ivoire (Mudjika forest) 11631
- I *Monanthotaxis dictyoneura* (Diels) Verdc. 19499  
I 5926 Tanzania (Ulanga district) 5926

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Annonaceae: *Monanthes*

- I** *Monanthes discolor* (Diels) Verdc. 19499  
**I** 5926 Tanzania (Njombe district) 5926
- I** *Monanthes faulknerae* Verdc. 19499  
**I** 5926 Tanzania (Tanga district) 5926
- I** *Monanthes trichantha* (Diels) Verdc. 19499  
**I** 5926 Tanzania (Lindi) 5926
- E** *Monocyclanthus vignei* Keay 6072  
**E** 20858 Ghana 6072  
**E** 20858 Liberia 20274
- V** *Neostenanthera hamata* (Benth.) Exell 20274  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 7926  
**V** 20858 Sierra Leone 7926
- R** *Neostenanthera robsonii* Le Thomas  
**R** Gabon (Lastoursville & Moumba)
- E** *Oncodostigma hainanense* (Merr.) Tsiang & P.T.  
**I** 17617  
**E** 17617 China - Hainan Is. 11139  
**E** 17617 China - Guangxi (Hepu) 11139
- I** *Ophrypetalum odoratum* Diels ssp. *longipedicellatum*  
 Verdc. 19499  
**I** 5926 Tanzania (Morogoro district) 5926
- R** *Orophea hirsuta* King  
**R** Malaysia - Peninsular Malaysia
- I** *Orophea palawanensis* Elm. 13833  
**I** 13833 Philippines (low and medium altitudes) 13833
- I** *Orophea salicifolia* Hutch. 7771  
**I** 7771 India - Andaman Is. 7771
- I** *Orophea submaculata* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- I** *Orophea thomsoni* Beddome  
**I** India - Tamil Nadu
- I** *Orophea torulosa* Hutch. 7771  
**I** India - Andaman Is. 7771
- I** *Orophea uniflora* Hook.f. & Thomson 13883  
**I** India - Karnataka  
**I** India - Kerala  
**I** India - Tamil Nadu
- R** *Oxandra maya* Miranda 9058  
**R** 19755 Mexico 9058
- V** *Phaeanthus malabaricus* Beddome 14782  
**V** 14782 India - Kerala 14782
- I** *Phoenicanthus coriacea* (Thwaites) H. Huber 8021  
**I** 16162 Sri Lanka (south-west) 8021
- I** *Phoenicanthus obliqua* (Hook.f. & Thomson)  
 Alston 8021  
**I** 16162 Sri Lanka 8021
- V** *Piptostigma fugax* A.Chev. ex Hutch. & Dz. 20274  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 7926
- R** *Piptostigma oyemensense* Pellegrin  
**R** Gabon (Oyem)
- Ex/E** *Polyalthia angustifolia* 19472  
**Ex/E** 19472 Fiji (Mt Korombamba) 19472
- I** *Polyalthia elmeri* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Polyalthia michaelii* C.White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Polyalthia minima* Ast 6057  
**R** Vietnam 6057
- I** *Polyalthia moonii* Thwaites 8021  
**I** 16162 Sri Lanka (Reigam Korale, Kalutara) 8021
- I** *Polyalthia palawanensis* Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Polyalthia persicaefolia* (Hook.f. & Thomson)  
 Thwaites 8021  
**I** 16162 Sri Lanka 8021
- R** *Polyalthia rufescens* Hook.f. & Thomson 14782  
**R** 14782 India - Kerala 14782  
**R** 14782 India - Tamil Nadu 14782
- E** *Polyceratocarpus scheffleri* Engl. & Diels 19499  
**E** 5926 Tanzania (Usambara, Uluguru, Udzungwa Mts.) 20921
- R** *Popowia beddomeana* Hook.f. & Thomson 11494  
**R** 11494 India - Kerala 11494  
**R** 11494 India - Tamil Nadu 11494
- I** *Popowia parvifolia* Kurz 7771  
**I** India - Nicobar Is. 7771
- I** *Popowia velutina* King  
**I** Malaysia - Peninsular Malaysia (Gopeng, Perak)
- R** *Pseudephranthus fragans* (R.E.Fries) Aristeg. 13713  
**R** 13713 Venezuela (Amazonia) 13713
- R** *Pseudoxandra pacifica* P. Maas 13713  
**R** 13713 Colombia 13713
- R** *Pseuduvaria froggattii* (F.Muell.) Jessup 20681  
**R** 20681 Australia - Queensland 20681
- I** *Pseuduvaria galeata* J. Sincl. 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Johor) 19209
- R** *Pseuduvaria hylandii* Jessup 20681  
**R** 20681 Australia - Queensland 20681
- R** *Pseuduvaria mulgraveana* Jessup var. *glabrescens*  
 Jessup 20681  
**R** 20681 Australia - Queensland 20681
- R** *Pseuduvaria prainii* (King) Merr. 14782  
**R** 14782 India - Andaman Is. 14782  
**R** 14782 India - Nicobar Is. 14782
- R** *Pseuduvaria villosa* Jessup 20681  
**R** 20681 Australia - Queensland 20681
- R** *Reedrollinsia cauliflora* J.W. Walker 11311  
**R** 11306 Mexico - Chiapas 11311
- V** *Rollinia amazonica* R. E. Fries 20883, 13783  
**R** 13713 Colombia (Amazonas) 21009
- R** *Rollinia andicola* P. Maas & Westra 20883  
**I** 20883 Ecuador (Chimborazo) 21009  
**I** 20883 Peru (Amazonas; Pasco) 21009
- E** *Rollinia bahiensis* P. Maas & Westra 20883, 13713  
**I** 20883 Brazil 20883  
**R** 13713 Brazil - Bahia 9097
- E** *Rollinia boliviana* R. E. Fries 20883, 13785  
**R** 13713 Bolivia (La Paz) 21009
- E** *Rollinia calcarata* R. E. Fries 20883, 13781  
**I** 20883 Brazil 20883  
**R** 21009 Brazil - Acre 21009
- V** *Rollinia centrantha* R. E. Fries 20883  
**I** 20883 Ecuador (Pastaza) 21009  
**I** 20883 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Annonaceae: *Rollinia*

- R** *Rollinia chrysoarpa* P. Maas & Westra 20883, 16347  
**R** 21009 Ecuador (Napó) 21009  
**R** 21009 Peru (Amazonas) 21009
- R** *Rollinia danforthii* Standley 20883, 9037  
**I** 20883 Costa Rica 20883  
**I** 20883 Colombia (Antioquia) 21009
- R** *Rollinia dolichopetala* R. E. Fries 20883, 16347  
**I** 20883 Ecuador (Morona-Santiago; Pastaza) 21009
- V** *Rollinia ecuadorensis* R. E. Fries 20883, 13777  
**R** 13713 Ecuador (Napó) 21009
- R** *Rollinia fendleri* R. E. Fries 20883  
**I** 20883 Venezuela 20883
- E** *Rollinia ferruginea* (R. E. Fries) P. Maas & Westra 20883, 13784  
**I** 20883 Brazil 20883  
**R** 21009 Brazil - Rio de Janeiro 21009
- R** *Rollinia fosteri* P. Maas & Westra 20883  
**I** 20883 Ecuador (Guayas) 21009  
**I** 20883 Peru (Amazonas; Madre de Dios) 21009
- E** *Rollinia helosioides* P. Maas & Westra 20883, 13784  
**R** 13713 Brazil 13784  
**I** 20883 Ecuador (Napó) 21009
- R** *Rollinia herzogii* R. E. Fries 20883  
**R** 20883 Bolivia (Santa Cruz) 21009  
**I** 20883 Peru (Madre de Dios) 21009
- R** *Rollinia mammifera* P. Maas & Westra 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Acre 21009  
**I** 20883 Peru (San Martín) 21009
- V** *Rollinia pachyantha* P. Maas & Westra 20883  
**I** 20883 Colombia (El Valle) 21009
- R** *Rollinia parviflora* A. F. C. P. de Saint-Hilaire 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Rio de Janeiro 21009
- R** *Rollinia pickelii* Diels 20883, 13774  
**I** 20883 Brazil 20883  
**?** Brazil - Paraíba 21009  
**?** Brazil - Pernambuco 21009
- E** *Rollinia rufinervis* Triana & Planchon 20883, 13774  
**R** 13713 Colombia (Antioquia) 21009
- R** *Rollinia ubatubensis* P. Maas & Westra 20883, 13784  
**I** 20883 Brazil 20883  
**?** Brazil - São Paulo (Ubatuba) 21009
- R** *Rollinia velutina* van Marle 20883  
**I** 20883 Colombia (Boyacá) 21009  
**I** 20883 Venezuela (Apure) 21009
- R** *Rollinia xylopiifolia* (A. F. C. P. de Saint-Hilaire & Tulasne) R. E. Fries 20883  
**I** 20883 Brazil 20883  
**I** 20883 Brazil - Espírito Santo 21009  
**I** 20883 Brazil - Rio de Janeiro 21009  
**I** 20883 Brazil - São Paulo 21009
- I** *Saccopetalum arboreum* Elm. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Saccopetalum prolificum* (Chun & How) Tsiang 17617  
**R** 17617 China - Hainan Is. 11139
- Ex/E** *Sageraea grandiflora* Dunn 11494  
**Ex/E** 11494 India - Kerala 11494
- I** *Sageraea laurifolia* (Grah.) Blatter  
**I** India - Karnataka (Concan)  
**I** India - Kerala  
**I** India - Tamil Nadu

- I** *Sageraea listeri* King var. *andamanica* Chatterjee 7771  
**I** India - Andaman Is. 7771
- I** *Sageraea reticulata* Craib 19120  
**I** 19120 Thailand 19120
- V** *Sageraea thwaitesii* Hook.f. & Thomson 8021  
**V** 12838 Sri Lanka 8021
- I** *Stelechocarpus longipes* Craib 19120  
**I** 19120 Thailand 19120
- I** *Stenanona panamensis* Standl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Tetrameranthus globuliferus* Westre 13786  
**R** 13713 Ecuador 13786
- R** *Tetrameranthus macrocarpus* R.E. Fries 13786  
**R** 13713 Colombia 13786
- R** *Tetrameranthus umbellatus* Westra 13786  
**R** 13713 Peru (Amazonia) 13713
- I** *Toussaintia orientalis* Verdc. 19499  
**I** 5926 Tanzania (Uzaramo & Ulanga districts) 5926
- V** *Tridimeris hahniana* (Baillon) Baillon 11309  
**V** 11306 Mexico 11309
- E** *Trivalvaria kanjilatii* D. Das 11494  
**E** 11494 India - Meghalaya 11494
- I** *Unona longiflora* Roxb.  
**I** India - Meghalaya (Tura Peak & Nongkhyllern R)
- R** *Unona tiebaghiensis* Daniker  
**R** New Caledonia
- R** *Unonopsis angustifolia* (Benth.) R.E. Fries 13781  
**R** 13713 Brazil 13781
- E** *Unonopsis panamensis* R.E. Fries 20883, 9006  
**I** 20883 Panama 20883
- R** *Unonopsis riedeliana* R.E. Fries 13781  
**R** 13713 Brazil 13781
- R** *Unonopsis rigida* R.E. Fries 13787  
**R** 13713 Brazil 13787
- R** *Unonopsis umbilicata* (Dunal) R.E. Fries ssp. *umbilicata* 13781  
**R** Grenada 13781
- R** *Unonopsis velutina* P. Maas 13713  
**R** 13713 Venezuela 13713
- R** *Uvaria clavata* Pierre ex Engl. & Diels  
**R** Gabon
- I** *Uvaria decidua* Diels 19499  
**I** 5926 Tanzania (Lindi) 5926
- E** *Uvaria eucincta* Beddome ex Dunn 13883  
**E** 13883 India - Orissa 7771
- R** *Uvaria flexuosa* Ast 6057  
**R** Vietnam 6057
- I** *Uvaria gabonensis* Engl. & Diels  
**I** Gabon (Libreville)
- I** *Uvaria hamiltonii* Hook. F. & Th. var. *kurzii* King 7771  
**I** India - Andaman Is. 7771
- R** *Uvaria klainei* Pierre ex Engl. & Diels  
**R** Gabon (Libreville)
- I** *Uvaria lurida* Hook.f. & Thomson  
**I** India - Meghalaya

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Annonaceae: *Uvaria*

- R *Uvaria nicobarica* Raiz. & Sahni 7771  
R 14782 India - Nicobar Is. 14782
- I *Uvaria nudistellata* Elm. 13833  
I 13833 Philippines (medium altitude) 13833
- I *Uvaria semecarpifolia* Hook.f. & Thomson 8021  
I 16162 Sri Lanka 8021
- R *Uvaria sofa* Scott Elliot 7926  
R Guinea 7926
- R *Uvaria thomasii* Sprague & Hutch. 8003  
R Senegal (Basse Casamance) 8003  
R Sierra Leone (Sendugu) 8003
- V *Uvaria tortilis* A. Chev. ex Hutch. 7926  
V Côte d'Ivoire (Bingerville) 7926
- R *Uvariadendron anisatum* Verdc. 7959  
R 20057 Kenya (Thika; Karura, Meru & Eastern forests) 17435
- E *Uvariadendron gorgonis* Verdc. 19499  
E 20057 Kenya (Kwale) 19499  
E 20057 Tanzania (Morogoro) 19499
- V *Uvariadendron occidentale* Le Thomas 20274  
V 20858 Cameroon 18326  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 20274  
V 20858 Liberia 18326  
V 20858 Nigeria 18326
- R *Uvariopsis le-testui* Pellegrin  
R Gabon (Lastoursville)
- V *Xylopia acunae* Borh. & Risco 5607  
V 19105 Cuba (Sancti Spiritus) 5607
- E *Xylopia amplexicaulis* (Lam.) Baillon 10082, 21329  
E 20771 Mauritius 10082
- R *Xylopia championii* Hook.f. & Thomson 8021  
R 12838 Sri Lanka (south-west) 8021
- R *Xylopia ekmanii* R.E. Fries 5607  
R 19105 Cuba (Guantanamo) 5607
- V *Xylopia elliotii* Engl. 20274  
V 20858 Côte d'Ivoire 20858  
V 20858 Ghana 20274
- R *Xylopia hastarum* M.L. Green 20883  
R 20883 Jamaica 20883
- E *Xylopia lamareckii* Baillon 10082, 21329  
E 20771 Mauritius 10082
- V *Xylopia latipetala* Verdc. 19499  
V 20885 Tanzania (Rondo Plateau) 20885
- R *Xylopia longifolia* DC. 20883  
V 20883 Panama 20883
- I *Xylopia nigricans* Hook.f. & Thomson 8021  
I 16162 Sri Lanka (Ritigala FoR) 8021
- R *Xylopia torrei* N. Robson 7749  
R Mozambique 7749
- V *Xylopiastrum taiense* Aubrév.  
V Côte d'Ivoire (Tai)

Apocynaceae

Number of genera: 168-200  
Number of species: 2,000  
Recorded threatened species: 149 (7%)

Tropics, particularly rain forest regions.

- I *Aganosma montana* Kerr 19120  
I 19120 Thailand 19120

- R *Aganosma petelotii* Ly 6057  
R 15734 Vietnam 6057
- I *Alstonia curtisii* King & Gamble 19120  
I 19120 Thailand 19120
- R *Alstonia marquisensis* M.Grant 20845  
R 20845 French Polynesia - Marquesas Is 20845
- R *Alstonia quaternava* Van Heurck 20893  
R 20893 New Caledonia 20893
- R *Alstonia saligna* S.Moore 20893  
R 20893 New Caledonia 20893
- R *Alyxia angustifolia* Ridley  
R Malaysia - Peninsular Malaysia
- R *Alyxia divaricata* Pitard 6057  
R Vietnam 6057
- R *Alyxia gynopogon* Roemer & Schultes 19108  
R 19108 Australia - Norfolk Is. 14288
- R *Alyxia ilicifolia* F.Muell. ssp. *magnifolia*  
(F.M.Bailey) P.I.Forster 20681  
R 20681 Australia - Queensland 20681
- R *Alyxia insularis* Kaneh. & Sas.  
R Taiwan (Lan Yu & Is. Lutaou)
- R *Alyxia integrifolia* Boit. 20893  
R 20893 New Caledonia 20893
- R *Alyxia lindii* F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Alyxia orophila* Domin 20681  
R 20681 Australia - Queensland 20681
- R *Alyxia sharpei* P.Forster 20681  
R 20681 Australia - Queensland 20681
- R *Alyxia spathulata* Guillaumin  
R New Caledonia
- R *Alyxia squamulosa* C. Moore & F. Muell. 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R *Alyxia taiwanensis* Lu & Yang 20511  
R 20854 Taiwan 20511
- R *Alyxia torresiana* Gaudich.  
R 18338 North Mariana Is. (Rota, Saipan, Tinian) 18338  
R 18338 U.S. - Guam 18338
- R *Alyxia vieillardii* Boit.  
R New Caledonia
- R *Ambelania duckei* Markgraf 20883  
R 20883 Brazil 20883  
V 20883 Peru 20883
- R *Ambelania occidentalis* Zarruchi 20883  
V 20883 Brazil 20883  
E 20883 Colombia 20883  
R 20883 Peru 20883
- V *Amsonia fugatei* S.P. McLaughlin 20850  
V 20850 U.S. - New Mexico 20850
- V *Amsonia grandiflora* Alexander 20883, 20850, 8058  
V 20850 U.S. - Arizona 20850  
E 20883 Mexico 20883
- R *Amsonia hubrichtii* Woods. 20850  
R 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Oklahoma 20850
- E *Amsonia kearneyana* Woods. 20883, 20850, 19002  
E 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R *Amsonia ludoviciana* Vail 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Apocynaceae: *Amsonia*

- V 20850 U.S. - Georgia 20850  
R 20850 U.S. - Louisiana 20850  
Ex/E 20850 U.S. - Mississippi 20850  
I 20850 U.S. - South Carolina 20850
- R *Amsonia peeblesii* Woods. 20850  
R 20850 U.S. - Arizona 20850
- V *Amsonia rigida* Shuttlw. ex Small 20850  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Louisiana 20850
- E *Amsonia tharpaii* Woods. 20850  
E 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- I *Anodendron nervosum* Kerr 19120  
I 19120 Thailand 19120
- V *Anodendron rhinosporum* Thwaites 8021  
V 12838 Sri Lanka (Ritigala SNR) 8021
- R *Apocynum venetum* L. var. *basikurmon*  
Hara 10573  
R 10573 Japan 10573
- R *Aspidosperma camporum* Muell. Arg. in Mart. 20883, 19951  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E *Aspidosperma chodatii* Hassler ex Mark. 20883  
E 20883 Paraguay 20883
- E *Aspidosperma darienense* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Aspidosperma polyneuron* Muell. Arg. 20883, 10370  
E 5462 Argentina 20883  
I 20176 Argentina - Misiones 20176  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
E 19352 Colombia 20883  
V 20883 Paraguay 20883  
E 10370 Peru 20883
- R *Aspidosperma quirandy* Hassler 20883  
R 20883 Paraguay 20883
- R *Aspidosperma riedelii* Muell. Arg. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Aspidosperma triternatum* Rojas Acosta 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- E *Cameraria microphylla* Britton 5607  
E 19105 Cuba (Ciego de Avila; Camaguey) 5607
- E *Carissa edulis* (Forssk.) Vahl. var. *sechellensis*  
(Baker) Pichon 14981  
E 14981 Seychelles (Silhouette) 14981
- V *Carissa xylopicron* Thouars 10082  
E 14234 Réunion 14234  
E 5852 Mauritius 5852  
V 5852 Mauritius - Rodrigues 5852
- I *Catharanthus coriaceus* Markgraf 19940  
I 19940 Madagascar 10368
- R *Cerbera dumicola* P.Forster 20681  
R 20681 Australia - Queensland 20681
- R *Cerbera inflata* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- E *Cerberiopsis neritifolia* (S. Moore) Boit. 20893  
E 20893 New Caledonia 20893
- V *Cerberiopsis obtusifolia* (Van Heurck & F. Muell.) Boit. 20893  
V 20893 New Caledonia 20893
- R *Chilocarpus alyxifolius* Pierre 6057  
R Vietnam 6057
- R *Couma catingae* Ducke 20883  
R 20883 Brazil 20883
- V *Cycladenia humilis* Benth. var. *jonesii* (Eastw.) Welsh & Atwood 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah (south-east) 20850
- R *Ervatamia chilangensis* Ly 6057  
R 15734 Vietnam (Lang Son) 6057
- V *Forsteronia domatiella* Proctor 20883  
V 20883 Jamaica 20883
- R *Forsteronia myriantha* J.D. Sm. 20883, 9096  
I 20883 Guatemala 20883  
V 20883 Panama 20883
- R *Forsteronia viridescens* Blake 20883  
I 20883 Belize 20883  
I 20883 Guatemala 20883  
V 20883 Panama 20883
- E *Forsteronia wilsonii* (Griseb.) Woodson 20883, 13336  
E 13336 Jamaica 20883
- Ex *Holarrhena pubescens* (Buch.-Ham.) Wall ex G. Don 18102  
Ex 18102 Pakistan 18102
- E *Hunteria ghanensis* J. Hall & Leeuwenb. 20274  
E 20858 Ghana 20274
- E *Ichnocarpus microcalyx* Pitard 19120  
E 19120 Thailand 19120
- R *Kopsia cochinchinensis* Kuntze 6057  
R Vietnam 6057
- R *Landolphia owariensis* Beauv. var. *leiocalyx* (Pichon) H. Huber 7926  
R Guinea (Fouta Djallon) 7926
- R *Landolphia utilis* (A. Chev.) Pichon 7926  
R Côte d'Ivoire 7926
- E *Lepinia taitensis* Decne. 20845  
E 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- V *Malouetia isthmica* Markgr. 20883, 10747  
V 20883 Panama 20883  
Colombia (San José del Palmar) 21093
- E *Mandevilla campanulata* Markgr. 20883, 10747  
I 20883 Panama 20883
- R *Melodinus angustifolius* Hayata 20511  
R 20511 Taiwan 20511
- R *Melodinus baccellianus* (F.Muell.) S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- R *Melodinus baueri* Endl. 19108  
R 19108 Australia - Norfolk Is. 14288
- R *Melodinus cochinchinensis* (Lour.) Merr. 6057  
R Vietnam 6057
- E *Melodinus insulae-pinorum* Boit. 20893  
E 20893 New Caledonia 20893
- R *Melodinus minutiflorus* Pitard 6057  
R Vietnam 6057
- V *Melodinus reticulatus* Boit. 20893  
V 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Apocynaceae: *Melodinus*

- V *Melodinus tiebaghiensis* Boit. 20893  
V 20893 New Caledonia 20893
- E *Mortoniella pittieri* Woodson 11967  
Ex/E 11967 Costa Rica 11967  
E 11967 Nicaragua 11967
- V *Mucua panichenkoana* Markgraf 20883  
V 20883 Venezuela 20883
- V *Neisosperma brevituba* (Boit.) Boit. 20893  
V 20893 New Caledonia 20893
- Ex *Neisosperma brownii* Fosberg & Sachet 20845  
Ex 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- E *Neisosperma kilneri* (F.Muell.) Fosb. 20681  
E 20681 Australia - Queensland 20681
- E *Neisosperma sevenetii* (Boit.) Boit. 20893  
E 20893 New Caledonia 20893
- E *Neisosperma thiollierei* (Montr.) Boit. 20893  
E 20893 New Caledonia 20893
- R *Neobraccia acunaiana* Lippold 5607  
R 19105 Cuba (Holguin; Guantanamo) 5607
- E *Neobraccia martiana* Borh. & Muniz 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- V *Neobraccia susannina* Borh. 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- R *Nouettea cochinchinensis* Pierre 6057  
R Vietnam 6057
- V *Ochrosia borbonica* J. Gmelin 10082  
V 14234 Réunion 10082  
E 20771 Mauritius 10082
- Ex *Ochrosia fatuhivensis* Fosberg & Sachet 20845  
Ex 20845 French Polynesia - Marquesas Is (Fatu Hiva) 20845
- V *Ochrosia grandiflora* Boit. 20893  
V 20893 New Caledonia 20893
- E *Ochrosia haleakalae* St. John 20850, 10260  
E 20850 U.S. - Hawaii (Maui & Hawai'i) 20850
- R *Ochrosia hexandra* Koidz. 19134  
R 19135 Japan - Kazan Retto 8622
- E *Ochrosia inventorum* L. Allorge 20802  
E 20893 New Caledonia (Pointe Maa) 20802
- E *Ochrosia kauaiensis* St. John 20850, 14209  
E 20850 U.S. - Hawaii (Kauai) 20850
- Ex/E *Ochrosia kilauaeensis* St. John 20850, 14209, 21348, 21356  
Ex/E 20850 U.S. - Hawaii (Kilauea) 20850
- E *Ochrosia moorei* (F.Muell.) Benth. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- Ex *Ochrosia nukuhivensis* Fosberg & Sachet 20845  
Ex 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- Ex *Ochrosia tahitensis* Lanessan ex Pichon 20845  
Ex 20845 French Polynesia - Society Is. (Tahiti) 20845
- E 1 *Pachypodium ambongense* L. Poisson 10368  
E 19879 Madagascar (Mahajunga) 20578
- R 1 *Pachypodium baronii* Constantin & Bois var. *baronii* 10368  
R 19879 Madagascar (Mahajunga) 20578
- E 1 *Pachypodium baronii* Constantin & Bois var. *windsori* (L. Poisson) Pichon 10368  
E 20578 Madagascar (Antsiranana) 20578
- E 1 *Pachypodium decaryi* L. Poisson 10368  
E 20578 Madagascar (Mahajunga) 20578
- R 11 *Pachypodium densiflorum* Baker var. *brevicalyx* H. Perrier 10368  
R 19879 Madagascar (Antananarivo) 20578
- R 11 *Pachypodium horombense* Pichon 10368  
R 19879 Madagascar
- R 11 *Pachypodium lamerei* Drake var. *ramosum* (Constantin & Bois) Pichon 10368  
R 19879 Madagascar (Toliara) 20578
- V 11 *Pachypodium namaquanum* (Wyley ex Harv.) Welw. 20604  
V 20604 Namibia 20604  
V 20604 South Africa - Cape Province 20604
- R 11 *Pachypodium rosulatum* Baker var. *rosulatum* 10368  
R 19879 Madagascar (Mahajunga) 20578
- R *Parabarium chevalieri* Pitard 6057  
R Vietnam 6057
- E *Parahancornia krukovii* Monschino 20883  
V 20883 Brazil 20883
- V *Parahancornia oblonga* Monachino 20883  
E 20883 Brazil 20883  
E 20883 Venezuela 20883
- V *Parahancornia peruviana* Monachino 21102, 17462  
V 20883 Peru 20883
- R *Parsonia alboflavescens* (Dennst.) Mabb. 20681  
R 20681 Australia - Northern Territory 20681
- V *Parsonia densivestita* C. White 20681  
V 20681 Australia - Queensland 20681
- V *Parsonia dorrigoensis* J.B. Williams ms. 20681  
V 20681 Australia - New South Wales 20681
- V *Parsonia larcomensis* J.B. Williams ms. 20681  
V 20681 Australia - Queensland 20681
- R *Parsonia largiflorens* (Benth.) S.T. Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Parsonia rupestris* J.B. Williams ms. 20681  
V 20681 Australia - Queensland 20681
- R *Parsonia siamensis* Kerr 19120  
R 19120 Thailand 19120
- R *Parsonia tenuis* S.T. Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I *Petchia ceylanica* (Wight) Livera 8021  
I 16162 Sri Lanka 8021
- E *Prestonia lenticellata* A. Gentry 20883, 10747  
I 20883 Panama 20883
- V *Prestonia obovata* Standl. 20883, 9006  
V 20883 Panama 20883
- E *Prestonia remediorum* Woods. 20883, 9006  
I 20883 Panama 20883
- E *Prestonia tysonii* A. Gentry 20883, 10747  
I 20883 Panama 20883
- E *Prestonia wedelii* Woods. 20883, 10747  
I 20883 Panama 20883
- E *Pteralyxia kauaiensis* Caum 20850, 14209, 21349  
E 20850 U.S. - Hawaii (Kauai) 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Apocynaceae: *Pteralyxia*

- V** *Pteralyxia macrocarpa* (Hbd.) K. Schum. 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- R** *Rauvolfia beddomei* Hook.f.  
**R** 18228 India - Kerala (Travancore Hills) 18228  
**I** India - Tamil Nadu (Tirunelveli Hills)
- R** *Rauvolfia chaudiensis* Pierre ex Pitard 6057  
**R** Vietnam 6057
- V** *Rauvolfia linearifolia* Britton & P. Wilson 5607  
**V** 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E** *Rauvolfia sachetiae* Fosberg 20845  
**E** 20845 French Polynesia - Marquesas Is (Hiva Oa, Nuku Hiva) 20845
- E** *Rauvolfia sevenetii* Boit. 20893  
**E** 20893 New Caledonia 20893
- R** *Rauvolfia spathulata* Boit. 20893  
**R** 20893 New Caledonia 20893
- I** *Rhazya greissii* Tackh. & Boulos  
**I** Egypt
- I** *Secondatia macnabii* (Urb.) Woodson 20883, 13336  
**I** 13336 Jamaica 20883
- R** *Spongiosperma longilobum* Markgraf 20883  
**R** 20883 Brazil 20883
- R** *Spongiosperma riparium* Monachino 20883  
**E** 20883 Colombia 20883  
**V** 20883 Venezuela 20883
- I** *Stemmadenia brasiliensis* Leeuwenberg 20831  
**I** 20831 Brazil - Pará 20831
- V** *Stephanostema stenocarpum* Schumann 5926  
**V** 5926 Tanzania 5926
- V** *Strepeliopsis arborea* Urb. 20883, 13336  
**V** 13336 Jamaica 20883
- R** *Strophanthus annamensis* Tsiang 6057  
**R** Vietnam 6057
- V** *Strophanthus zimmermannianus* Monach. 20057  
**V** 20057 Kenya (Shimba hills) 20057
- I** *Tabernaemontana capuronii* Leeuwenberg 20832  
**I** 20832 Madagascar (Foulpointe) 20832
- I** *Tabernaemontana granulosa* Pitard 20832  
**I** 20832 Vietnam 20832
- R** *Tabernaemontana ochroleuca* Urb. 20883, 13336  
**R** 13336 Jamaica 20883
- E** *Tabernaemontana ovalifolia* Urb. 20883, 13336  
**E** 13336 Jamaica 20883
- V** *Tabernaemontana persicariifolia* Jacq. 20832  
**E** 14234 Réunion 14234  
**V** 20771 Mauritius 10936
- R** *Tabernaemontana wulfschlaegelia* Griseb. 20883  
**R** 20883 Jamaica 20883
- R** *Thevetia bicornuta* Muell. Arg. 20883  
**R** 20883 Paraguay 20883
- R** *Trachelospermum formosanum* Liu & Ou 20511  
**R** 20511 Taiwan 20511
- I** *Urceola laevis* (Elm.) Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- I** *Vallis macrantha* Ridl. 19120  
**I** 19120 Thailand 19120
- R** *Vallesia flexuosa* Woodson 9037  
**R** 9426 Costa Rica 9037
- R** *Vallesia spectabilis* 19848

**R** 19848 Mexico 19848

- I** *Wrightia dolichocarpa* Bahadur & Bennet  
**I** India - Goa, Daman & Diu (Nagar Haveli)
- I** *Wrightia flavido-rosea* Trimen 8021  
**I** 16162 Sri Lanka (Doluwakanda, Kurunegala) 8021
- V** *Wrightia pubescens* R. Br. ssp. *lanitii* (Blanco) Ngan 10278  
**V** Philippines 10278
- R** *Wrightia versicolor* S.T.Blake 20681  
**R** 20681 Australia - Queensland 20681

Aquifoliaceae

Number of genera: 2-4  
 Number of species: 320-420  
 Recorded threatened species: 37 (10%)

Nearly cosmopolitan.

- R** *Ilex arisanensis* Yam. 20511  
**R** 20854 Taiwan 20511
- V** *Ilex beecheyi* (Loes.) Makino 8037  
**V** 19134 Japan - Ogasawara-shoto 20626
- R** *Ilex bioritensis* Hayata 20511  
**R** 20511 Taiwan 20511
- I** *Ilex cassine* L. ssp. *mexicana* (Turcz.) E. Murray 11733  
**I** 11733 Mexico - Veracruz 11733
- R** *Ilex collina* Alexander 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Virginia 20850  
**R** 20850 U.S. - West Virginia 20850
- E** *Ilex cookii* Britt. & Wilson 20883, 8058  
**I** 20883 Puerto Rico (Cerro de Punta) 20883
- E** *Ilex dimorphophylla* Koidz. 20626  
**E** 20626 Japan (Ryukyu) 20626
- I** *Ilex embeloides* Hook.f.  
**I** India - Meghalaya (Khasi hills)
- R** *Ilex florifera* F. & R. 20883, 13336  
**R** 13336 Jamaica 20883
- R** *Ilex formosae* (Loes.) Li  
**R** Taiwan (south)
- Ex/E** *Ilex gardneriana* Wight 14782  
**Ex/E** 14782 India - Tamil Nadu (Sispara, Nilgiri) 14782
- R** *Ilex harrisii* Loes. 20883  
**R** 20883 Jamaica 20883
- V** *Ilex jamaicana* Proctor 20883, 13336  
**V** 19890 Jamaica (Portland) 20883
- E** *Ilex khasiana* Purakaystha  
**E** India - Meghalaya (Khasi hills) 7771
- R** *Ilex loeseneri* Tard. 6057  
**R** Vietnam 6057
- R** *Ilex lonicerifolia* var. *matsudai* 20854  
**R** 20854 Taiwan 20854
- V** *Ilex maingayi* Hook. f. 7730  
**V** 20099 Malaysia - Peninsular Malaysia (west coast & southern regions) 19209
- R** *Ilex matanoana* 18128  
**R** 19136 Japan - Ogasawara-shoto 18128
- I** *Ilex micrantha* Triana & Planchon 19352

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Aquifoliaceae: *Ilex*

- I 19352 Colombia 19352
- I** *Ilex mitis* (L.) Radlk. var. *schliebenii*  
Loes. 19501  
I 5926 Tanzania (Uluguru mountains) 5926
- R** *Ilex moana* Borh. & Muniz 5607  
R 19105 Cuba (Guantanamo) 5607
- V** *Ilex nannophylla* Borh. & Muniz 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- R** *Ilex opaca* Sol. var. *arenicola* (Ashe)  
Ashe 20850, 17890  
R 20850 U.S. - Florida 20850
- I** *Ilex palawanica* Lossn. ex Elm. 13833  
I 13833 Philippines (Mt. Pulgar) 13833
- R** *Ilex perado* Aiton ssp. *perado* 20171  
R Portugal - Madeira
- E** *Ilex perado* Aiton ssp. *platyphylla* (Webb & Berthel.) Tutin 15105  
E 15105 Spain - Canary Is. 15105
- R** *Ilex percoriacea* Tuy. 8038  
R 19134 Japan - Ogasawara-shoto (Chichijima) 8038
- E** *Ilex praetermissa* Kiew  
E Malaysia - Peninsular Malaysia (Klang Gates Ridge)
- R** *Ilex puberula* Proctor 13336  
R 13336 Jamaica 13336
- I** *Ilex rasanensis* Sasaki 20511  
I 20511 Taiwan 20511
- R** *Ilex rubrinervis* Tard. 6057  
R Vietnam 6057
- R** *Ilex sideroxyloides* (Sw.) Griseb. var. *occidentalis* (Macfad.) Loes. 20883  
R 20883 Jamaica 20883  
I 20883 Puerto Rico 20883
- E** *Ilex sintenisii* (Urban) Britt. 20883  
V 20883 Puerto Rico 20883
- I** *Ilex subtriflora* Griseb. 20883, 13336  
I 13336 Jamaica 20883
- Ex** *Ilex ternatiflora* (C. Wright) R.A. Howard 15112  
Ex 19105 Cuba (Pinar del Rio) 15112
- R** *Ilex tsugitakayamensis* Sas. 20511  
R 20511 Taiwan 20511
- R** *Ilex urbaniana* Loes. 15107  
R 15107 Puerto Rico 15107  
R 15107 British Virgin Is. 15107
- E** *Ilex vaccinioides* Loes. 20883  
E 20883 Jamaica 20883
- I** *Ilex venulosa* Hook.f.  
I India - Arunachal Pradesh (Khasi hills)

### Araliaceae

Number of genera: 47-70  
Number of species: 700  
Recorded threatened species: 107 (15%)

Tropical and subtropical; some in temperate regions.

- R** *Acanthopanax baviensis* R. Viguier 6057  
R Vietnam 6057
- R** *Apiopetalum velutinum* Baillon 20893  
R 20893 New Caledonia 20893
- R** *Aralia macdowallii* F.Muell. 20681

- R** 20681 Australia - Queensland 20681
- R** *Aralia soratensis* Marchal 18200  
R 12468 Peru 18200
- I** *Arthrophyllum pulgarensense* Elm. 13833  
I 13833 Philippines (upper Mt. Pulgar) 13833
- V** *Astrotricha crassifolia* Blakely 20681  
V 20681 Australia - New South Wales 20681
- R** *Astrotricha parvifolia* Wakef. 20681  
R 20681 Australia - Victoria 20681
- V** *Astrotricha roddii* R.Makinson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Brassaiopsis gausseii* Bui 6057  
R Vietnam 6057
- E** *Cheirodendron dominii* Krajina 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Cheirodendron forbesii* (Sherff) Lowry 20850, 14209  
I 20850 U.S. - Hawaii (Kaua'i - Makaleha Mts) 20850
- I** *Cheirodendron marquesense* F. Brown  
I French Polynesia - Marquesas Is
- V** *Cussonia bancoensis* Aubrev. & Pellegr. 15970  
V 20858 Ghana 15970
- R** *Cussonia gantoosensis* Strey 20604  
R 20604 South Africa - Cape Province 20604
- I** *Cussonia kirkii* Seem. var. *bracteata* Tennant 19502  
I 5926 Tanzania (Lindi) 5926
- I** *Cussonia kirkii* Seem. var. *quadripetala* Tennant 19502  
I 5926 Tanzania (Songea district) 5926
- R** *Cussonia ostinii* Chiov. 19704  
R 19704 Ethiopia (Gonder, Gojam, Welega, Kefa.) 19704
- V** *Dendropanax blakeanus* Britton 20883, 19890  
R 19890 Jamaica 20883
- R** *Dendropanax caloneurus* (Harms) Merr. 6057  
R 15734 Vietnam 6057
- E** *Dendropanax cordifolius* Britton 20883, 13336  
E 20883 Jamaica 20883
- E** *Dendropanax darienensis* Seem. 20883, 9006  
I 20883 Panama 20883
- E** *Dendropanax filipes* Britton 20883, 13336  
E 20883 Jamaica 20883
- E** *Dendropanax grandiflorus* Britton 20883, 13336  
E 20883 Jamaica 20883
- E** *Dendropanax grandis* Britton 20883, 13336  
E 20883 Jamaica 20883
- E** *Dendropanax morbifera* Lev. 15957  
E 15923 Korea, South (Chejudo) 15957
- R** *Dendropanax nutans* (Sw.) Decne. & Planch. 20883  
I 20883 Jamaica 20883
- R** *Dendropanax nutans* (Sw.) Decne. & Planch. var. *nutans* 20883  
R 20883 Jamaica 20883
- R** *Dendropanax nutans* Adams var. *obtusifolius* C.D. Adams 20883, 15911  
I 20883 Jamaica 20883
- E** *Dendropanax ovalifolius* (F. & R.) Adams 20883, 15911

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Araliaceae: *Dendropanax*

- R 13336 Jamaica 20883
- R *Dendropanax pendulus* (Sw.) Decne. & Planch. 20883  
R 20883 Jamaica 20883
- R *Dendropanax portlandianus* Proctor 20883, 13336  
R 13336 Jamaica 20883
- E *Dendropanax sessiliflorus* (Standl. & A.C. Sm.) A.C. Sm. 20883, 9006  
I 20883 Panama 20883
- R *Dendropanax swartzii* (F. & R.) A.C. Smith 20883, 13336  
R 13336 Jamaica 20883
- R *Echinopanax horridum* Kom. 15957  
R 15923 Korea, South (Mt Sorak) 15957
- R *Fatsia oligocarpella* Koidz. 19135  
R 19135 Japan - Kazan Retto (Minami-Iwojima) 8622  
R 19134 Japan - Ogasawara-shoto 8622
- V *Gastonia crassa* (Hemsley) Friedm. 14296  
V 19181 Seychelles 14296
- E *Gastonia lionnetii* F. Friedmann 14981  
E 14981 Seychelles 14981
- E *Gastonia mauritiana* Marais 10082  
E 20771 Mauritius 10082
- E *Gastonia rodriguesiana* Marais 10082  
E 5852 Mauritius - Rodrigues 5852
- E *Gastonia sechellarum* (Baker) Harms var. *sechellarum* 14296  
E Seychelles (granitic) 14296
- E *Gastonia sechellarum* (Baker) Harms var. *contracta* F. Friedmann 14981  
E 14981 Seychelles (granitic) 14981
- E *Gastonia sechellarum* (Baker) Harms var. *curiosae* F. Friedmann 14981  
E 14981 Seychelles (granitic) 14981
- E *Megalopanax rex* Ekman 5607  
E 19105 Cuba 5607
- I *Merrillioanax cordifolia* Sastry  
I India - Arunachal Pradesh (Subansiri)
- V *Meryta angustifolia* (Endl.) Seemann 19108  
V 11649 Australia - Norfolk Is. 14288
- I *Meryta brachypoda* Harms 10169  
E 19185 French Polynesia - Tubuai Is. 10169  
E 19185 Pitcairn (Henderson Is.) 10169
- V *Meryta choristantha* Harms 20845  
V 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- I *Meryta drakeana* Nadeaud 20845  
I 20845 French Polynesia - Society Is. (Tahiti) 20845
- R *Meryta lanceolata* J.G. Forster 20845  
R 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- E *Meryta latifolia* (Endl.) Seemann 11649  
E 11649 Australia - Norfolk Is. 11649
- V *Meryta lucida* J. Moore 20845  
V 20845 French Polynesia - Society Is. (Raiaatea) 20845
- R *Meryta malieta* P. Cox 7925  
R Western Samoa (Savaii) 7925
- I *Meryta mauruensis* Nadeaud 20845  
I 20845 French Polynesia - Society Is. (Tahiti) 20845
- I *Meryta raiaateensis* J. Moore 20845  
I 20845 French Polynesia - Society Is. 20845
- E *Meryta salicifolia* J. Moore 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- R *Meryta sinclairii* 19305  
R 19305 New Zealand - North Is. 19305
- V *Meryta sonchifolia* Linden & André 20893  
V 20893 New Caledonia 20893
- E *Munroidendron racemosum* (Forbes) Sherff 20850, 21349  
E 20850 U.S. - Hawaii 20850
- V *Myodocarpus angustialatus* Lowry ined. 20893  
V 20893 New Caledonia 20893
- I *Oreopanax dussii* Krug & Urban ex Duss 10200  
I Dominica (only from high peaks) 10200  
I Guadeloupe (only from high peaks) 10200  
E 19001 Martinique (Morne Piquet, Piton Dumanué, Piton Boucher) 19001
- R *Oreopanax lempiranus* Hazlett 9098  
R 9730 Honduras 9098
- V *Oreopanax nicaraguensis* M. J. Cannon & J. F. M. Cannon 20883  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883  
I 20883 Panama 20883
- E *Osmoxylon mariannense* (Kaneh.) Fosb. & Sacht 20818  
E 20825 North Mariana Is. (Rota) 20825
- E *Panax vietnamensis* Ha & Grushv. 6057  
E 20985 Vietnam 6057
- E *Panax zingiberensis* C.Y. Wu & K.M. Feng 17617  
E 17617 China - Yunnan 11139
- R *Pentapanax castanopsicola* Hayata 20511  
R 20854 Taiwan 20511
- R *Pentapanax warmingianus* (Marchal) Harms 20883, 20311  
I 20883 Argentina 20883  
I 20883 Brazil 20883  
? Brazil - Rio Grande do Sul 20311  
R 20883 Paraguay 20883
- E *Polyscias aemiliguineae* Bernardi 10082  
E 14234 Réunion 10082
- R *Polyscias bellendenkerensis* (Bailey) Philipson 20681  
R 20681 Australia - Queensland 20681
- R *Polyscias cissodendron* (C. Moore & F. Muell.) Harms  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V *Polyscias dichroostachya* Baker 10082  
V 20771 Mauritius 10082
- R *Polyscias farinosa* (Del.) Harms 19704  
R 19704 Ethiopia (Tigray Upland, Gonder, Shewa Upland, Kefa.) 19704
- E *Polyscias gracilis* Marais 10082  
E 20771 Mauritius 10082
- R *Polyscias kikuyuensis* Summerh. 7959  
R 20057 Kenya (central) 7959
- V *Polyscias mauritiana* Marais 10082  
V 20771 Mauritius 10082
- E *Polyscias neraudiana* (Drake) R. Viguier 10082  
E 20771 Mauritius 10082
- V *Polyscias nothisii* Lowry ined. 20893  
V 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Araliaceae: *Polyscias*

- V *Polyscias paniculata* (DC.) Baker 10082  
V 20771 Mauritius 10082
- E *Polyscias rivalsii* Bernardi 10082  
E 14234 Réunion 10082
- I *Polyscias stuhlmannii* Harms var. *inarticulata*  
Tennant 19502  
I 5926 Tanzania (West Usambara mts) 5926
- R *Polyscias stuhlmannii* Harms var. *stuhlmannii* 20057  
R 20057 Kenya (Taita hills) 20057  
R 20057 Tanzania (Usambara, Ukaguru & Uluguru Mnts.) 17435
- I *Polyscias tahitensis* (Nadeaud) Harms 20845  
I 20845 French Polynesia - Society Is. (Raiaete, Tahiti) 20845
- R *Polyscias willmottii* (F.Muell.) Philipson 20681  
R 20681 Australia - Queensland 20681
- R *Pseudopanax gunnii* (Hook.f.) K.Koch 20681  
R 20681 Australia - Tasmania 20681
- V *Pseudopanax scopoliae* (Baillon) Philipson 20893  
V 20893 New Caledonia 20893
- V *Pseudosciadium balansae* Baillon 20893  
V 20893 New Caledonia 20893
- R *Reynoldsia sandwicensis* Gray 20850, 14209  
R 20850 U.S. - Hawaii 20850
- I *Schefflera agamae* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I *Schefflera albido-bracteata* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- V *Schefflera apioidea* Baillon 20893  
V 20893 New Caledonia 20893
- I *Schefflera bourdillonii* Gamble 21173  
I India - Kerala (Travancore Hills)
- R *Schefflera brenesii* A.C. Sm. 20883  
I 20883 Costa Rica 20883  
V 20883 Panama 20883
- R *Schefflera chapana* Harms 6057  
R Vietnam 6057
- I *Schefflera curranii* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- E *Schefflera epiphytica* A.C. Sm. 20883, 9006  
I 20883 Panama 20883
- I *Schefflera foxworthyi* Merr. 13833  
I 13833 Philippines (low and medium altitudes) 13833
- E *Schefflera gleasonii* (Britt. & Wilson) Alain 20883  
I 20883 Puerto Rico 20883
- R *Schefflera kontumensis* Bui 6057  
R Vietnam 6057
- I *Schefflera lukwangulensis* (Tenn.) Bernardi 19502  
I 5926 Tanzania (Uluguru, Southern Nguru & Usambara Mts.) 20921
- E *Schefflera musangensis* M.R. Henderson 21173  
E Malaysia - Peninsular Malaysia (Kelantan, Selangor)
- I *Schefflera palawanensis* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R *Schefflera palmiformis* Grushv. & N. Skvortsova 6057  
R 15734 Vietnam 6057
- E *Schefflera procumbens* (Hemsley) Frodin 14296  
E Seychelles (granitic) 14296
- V *Schefflera stearnii* Howard & Proctor 20883, 13336  
V 13336 Jamaica 20883
- I *Schefflera stolzii* Harms 19502  
I 5926 Tanzania (Rungwe district) 5926
- E *Schefflera subracemosa* (King) R. Viguier 21173  
E Malaysia - Peninsular Malaysia (Perak)
- V *Schefflera trojana* (Urb.) A.C.Sm. 20883, 19890  
R 19890 Jamaica (Clarendon, Peckham woods) 20883
- R *Schefflera urbaniana* (Marchal) Frodin 19001  
R 19001 Martinique (Pitons du Carbet) 19001
- R *Schefflera veillonorum* Bernardi 21173, 20893  
R 20893 New Caledonia 20893
- V *Sinopanax formosana* (Hayata) Li 20511  
V 20854 Taiwan 20311
- R *Stilbocarpa lyallii* J. Armstr. 86  
R 19305 New Zealand - South Is. 19305
- R *Stilbocarpa robusta* (Kirk) Cockayne 86  
R 19305 New Zealand - South Is. (Snares Island) 19305
- E *Tetraplasandra gymnocarpa* (Hbd.) Sherff 20850, 21357  
E 20850 U.S. - Hawaii 20850
- E *Tetraplasandra gymnocarpa* (Hillebrand) Sherff var. *gymnocarpa* 14209  
E 14209 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 14209

Aristolochiaceae

Number of genera: 8-10  
Number of species: 600  
Recorded threatened species: 35 (5%)

Tropical to warm temperate.

- I *Apama barberi* Gamble  
I India - Tamil Nadu
- R *Aristolochia bodamae* Dingler 20171  
R Greece
- I *Aristolochia brevibrabis* Bornm. 12840  
I 12840 Turkey 12840
- R *Aristolochia cilicica* Davis & Khan 12840  
R 12840 Turkey 12840
- R *Aristolochia cucurbitifolia* Hayata 20511  
R 20511 Taiwan 20511
- I *Aristolochia helix* Phuphat 19120  
I 19120 Thailand (Khao Phangnga, Khao Khanap Nam) 19277
- R *Aristolochia kankauensis* Sasaki 20511  
R 20511 Taiwan 20511
- R *Aristolochia kaoi* Liu & Lai 20511  
R 20511 Taiwan 20511
- R *Aristolochia krausei* Davis 12840  
R 12840 Turkey 12840
- R *Aristolochia lycica* Davis & Khan 12840  
R 12840 Turkey 12840
- E *Aristolochia pfeiferi* Barringer 20883, 9105  
I 20883 Panama 20883
- R *Aristolochia poluninii* Davis & Khan 12840  
R 12840 Turkey 12840
- R *Aristolochia rehingeriana* Kit Tan & Sorger 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Aristolochiaceae: *Aristolochia*

- E** *Aristolochia samsunensis* Davis 12840  
 E 12840 Turkey 12840
- R** *Aristolochia sicula* Tineo 20171  
 R 19164 Italy - Sicily (central and notheastern part) 19164
- R** *Aristolochia stenosphon* Davis & Khan 12840  
 R 12840 Turkey 12840
- R** *Aristolochia tyrrhena* E.Nardi & Arrigoni 20171  
 V 20528 France - Corsica 20528  
 R 20805 Italy - Sardinia 20528
- R** *Aristolochia weberbaueri* O.C. Schmidt 18200  
 R 12468 Peru 18200
- R** *Asarum caudatum* Lindl. var. *viridiflorum* M.E. Peck 20850  
 R 20850 U.S. - Oregon 20850
- I** *Asarum epigynum* Hayata 20511  
 I 20511 Taiwan 20511
- R** *Asarum hypogynum* Hayata 20511  
 R 20511 Taiwan 20511
- R** *Heterotropa kurosawae* (Sugim.) F. Maek. 10572  
 R 10572 Japan 10572
- E** *Heterotropa minamitaniana* (Hatus.) F. Maek. 10572  
 E 10572 Japan 10572
- R** *Heterotropa nomadakensis* (Hatus.) F. Maek. 10572  
 R 10572 Japan 10572
- R** *Heterotropa savatieri* (Franchet) F. Maek. 10572  
 R 10572 Japan 10572
- R** *Heterotropa stellata* F. Maek. 10572  
 R 10572 Japan 10572
- R** *Heterotropa trigyna* (Araki) F. Maek. 10572  
 R 10572 Japan 10572
- R** *Hexastylis contracta* Blomquist 20850  
 E 20850 U.S. - Kentucky 20850  
 E 20850 U.S. - North Carolina 20850  
 R 20850 U.S. - Tennessee 20850
- R** *Hexastylis naniflora* Blomquist 20850  
 V 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - South Carolina 20850
- V** *Hexastylis rhombiformis* Gaddy 20850  
 V 20850 U.S. - North Carolina 20850
- R** *Hexastylis shuttleworthii* Gaddy var. *harperi* Gaddy 20850  
 V 20850 U.S. - Alabama 20850  
 R 20850 U.S. - Georgia 20850
- V** *Hexastylis speciosa* Harper 20850  
 V 20850 U.S. - Alabama 20850
- E** *Pararistolochia talbotii* (S. Moore) Keay 7926  
 E Nigeria 7926
- E** *Pararistolochia tenuicauda* (S. Moore) Keay 7926  
 E Nigeria (Oban) 7926
- V** *Thottea barberi* (Gamble) Ding Hou 13883  
 V 13883 India - Tamil Nadu (Tirunelveli) 13883

**Asclepiadaceae**

Number of genera: 250-315  
 Number of species: 2,000  
 Recorded threatened species: 420 (21%)

Tropical and subtropical, especially Africa, with relatively few species in temperate regions.

- R** *Amblystigma cionophorus* (Griseb.) Fourn. 16336

- R** 16336 Argentina 16336  
**R** 20176 Argentina - Jujuy 20176  
**R** 20176 Argentina - Tucuman 20176
- E** *Aphanostelma tubatum* Malme 16336  
 E 20176 Argentina - Tucuman 20176
- I** *Asclepias atrovioleacea* Woodson 14294  
 I 14294 Mexico - Durango 14294
- Ex** *Asclepias bicuspis* N.E.Br. 20604  
 Ex 20604 South Africa - Natal 20604
- I** *Asclepias compressidens* (N.E.Br.) Nicholas 20604  
 I 20604 South Africa - Cape Province 20604
- E** *Asclepias concinna* (Schltr.) Schltr. 20604  
 E 20604 South Africa - Cape Province 20604  
 E 20604 South Africa - Natal 20604
- I** *Asclepias cooperi* N.E.Br. 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Asclepias cultriformis* Harv. ex Schltr. 20604  
 R 20604 Swaziland 20604  
 R 20604 South Africa - Cape Province 20604  
 R 20604 South Africa - Natal 20604  
 R 20604 South Africa - Transvaal 20604
- R** *Asclepias curtissii* Gray 20850  
 R 20850 U.S. - Florida 20850
- R** *Asclepias cutleri* Woods. 20850  
 R 20850 U.S. - Arizona 20850  
 V 20850 U.S. - Utah 20850
- V** *Asclepias disparilis* N.E.Br. 20604  
 V 20604 South Africa - Cape Province 20604  
 V 20604 South Africa - Natal 20604
- I** *Asclepias dissona* N.E.Br. 20604  
 I 20604 South Africa - Transvaal 20604
- I** *Asclepias expansa* (E.Mey.) Schltr. 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Asclepias fallax* (Schltr.) Schltr. 20604  
 R 20604 South Africa - Transvaal 20604
- V** *Asclepias gordon-grayae* Nicholas 20604  
 V 20604 South Africa - Natal 20604
- V** *Asclepias labriformis* M.E. Jones 20850  
 R 20850 U.S. - Utah 20850
- R** *Asclepias lemmonii* Gray 20850  
 V 20850 U.S. - Arizona 20850
- V** *Asclepias meadii* Torr. ex Gray 20850  
 V 20850 U.S. - Illinois 20850  
 Ex 20850 U.S. - Indiana 20850  
 E 20850 U.S. - Iowa 20850  
 V 20850 U.S. - Kansas 20850  
 V 20850 U.S. - Missouri 20850  
 Ex 20850 U.S. - Wisconsin 20850
- R** *Asclepias monticola* N.E.Br. 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Asclepias nana* I. Verd. 20604  
 I 20604 South Africa - Transvaal 20604
- R** *Asclepias oreophila* Nicholas 20604  
 R 20604 South Africa - Cape Province 20604  
 R 20604 South Africa - Natal 20604
- V** *Asclepias patens* N.E.Br. 20604  
 V 20604 South Africa - Cape Province 20604
- V** *Asclepias peltigera* (E.Mey.) Schltr. 20604  
 V 20604 South Africa - Cape Province 20604  
 V 20604 South Africa - Natal 20604
- I** *Asclepias praemorsa* Schltr. 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Asclepias*

- V 20604 South Africa - Cape Province 20604  
 I 20604 South Africa - Natal 20604
- E** *Asclepias prostrata* Blackwell 20883, 20850, 8058  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- V** *Asclepias rzedowskii* W. D. Stevens 20883  
 I 20883 Mexico 20883
- R** *Asclepias sanjuanensis* Heil, J.M. Porter & Welsh 20850  
 V 20850 U.S. - New Mexico 20850
- E** *Asclepias schlechteri* (K.Schum.) N.E.Br. 20604  
 E 20604 South Africa - Cape Province 20604  
 E 20604 South Africa - Natal 20604
- R** *Asclepias solanoana* Woods. 20850  
 R 20850 U.S. - California 20850
- R** *Asclepias uncialis* Greene 20850  
 E 20850 U.S. - Arizona 20850  
 V 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Nevada 20850  
 V 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Oklahoma 20850  
 Ex/E 20850 U.S. - Wyoming 20850
- R** *Asclepias uncialis* Greene ssp. *ruthiae* (Maguire) Kartesz & Gandhi 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Nevada 20850  
 V 20850 U.S. - New Mexico 20850  
 R 20850 U.S. - Utah 20850
- V** *Asclepias uncialis* Greene ssp. *uncialis* 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Colorado 20850  
 E 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Oklahoma 20850
- V** *Asclepias velutina* (Schltr.) Schltr. 20604  
 V 20604 South Africa - Transvaal 20604
- V** *Asclepias viridula* Chapman 20850, 19734  
 V 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850
- E** *Asclepias welschii* N. & P. Holmgren 20850  
 E 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Utah (Coorg, south Canara) 20850
- I** *Asclepias woodii* (Schltr.) Schltr. 20604, 18023  
 I 20039 Swaziland 20039  
 E 20604 South Africa - Natal 20604
- R** *Asclepias xysmalobioides* Hilliard & B.L.Burt 20604  
 R 20604 Lesotho 20604  
 R 20604 South Africa - Natal 20604
- I** *Aspidoglossum delagoense* (Schltr.) Kupicha 20604  
 I 20604 Mozambique 20604  
 I 20604 South Africa - Natal 20604
- E** *Aspidoglossum demissum* Kupicha 20604  
 E 20604 South Africa - Natal 20604
- I** *Aspidoglossum difficile* Hilliard 20604  
 I 20604 South Africa - Natal 20604
- V** *Aspidoglossum flanaganii* (Schltr.) Kupicha 20604  
 V 20604 South Africa - Cape Province 20604
- I** *Aspidoglossum uncinatum* (N.E.Br.) Kupicha 20604  
 I 20604 South Africa - Cape Province 20604
- V** *Aspidoglossum xanthosphaerum* Hilliard 20604  
 V 20604 South Africa - Natal 20604
- R** *Aspidonepsis cognata* (N.E.Br.) Nicholas & Goyder 20604  
 R 20604 South Africa - Cape Province 20604  
 V 20604 South Africa - Natal 20604  
 R 20604 South Africa - Orange Free State 20604
- R** *Aspidonepsis reenensis* (N.E.Br.) Nicholas & Goyder 20604  
 R 20604 South Africa - Natal 20604  
 R 20604 South Africa - Orange Free State 20604  
 R 20604 South Africa - Transvaal 20604
- V** *Aspidonepsis shebae* Nicholas & Goyder 20604  
 V 20604 South Africa - Transvaal 20604
- I** *Bidaria cuspidata* (Thunb.) H. Huber 8021  
 I 16162 Sri Lanka (Lankagama, Sinharaja) 8021
- R** *Brachystelma asmarense* Chiov. 6087  
 R 6087 Ethiopia 6087
- I** *Brachystelma australe* R.A.Dyer 20604  
 I 20604 South Africa - Cape Province 20604  
 I 20604 South Africa - Natal 20604
- I** *Brachystelma bournea* Gamble  
 I India - Tamil Nadu (Madurai)
- I** *Brachystelma caffrum* (Schltr.) N.E.Br. 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Brachystelma campanulatum* N.E.Br. 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Brachystelma cathcartense* R.A.Dyer 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Brachystelma comptum* N.E.Br. 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Brachystelma constrictum* J. Hall 6072  
 R Chad (Bedioli)  
 E 6072 Ghana 6072
- I** *Brachystelma delicatum* R.A.Dyer 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Brachystelma dimorphum* R.A.Dyer ssp. *dimorphum* 20604  
 I 20604 South Africa - Cape Province 20604  
 I 20604 South Africa - Orange Free State 20604
- I** *Brachystelma dimorphum* R.A.Dyer ssp. *gratum* R.A.Dyer 20604  
 I 20604 South Africa - Orange Free State 20604
- R** *Brachystelma discoideum* R.A.Dyer 20604  
 I 20604 Zimbabwe 20604  
 I 20604 Botswana 20604  
 R 20604 South Africa - Transvaal 20604
- I** *Brachystelma frankisiae* N.E.Br. 20604  
 I 20604 South Africa - Natal 20604
- I** *Brachystelma glenense* R.A.Dyer 20604  
 I 20604 South Africa - Orange Free State 20604
- R** *Brachystelma gracillimum* R.A.Dyer 20604  
 R 20604 South Africa - Transvaal 20604
- I** *Brachystelma incanum* R.A.Dyer 20604  
 I 20604 South Africa - Transvaal 20604
- E** *Brachystelma kenianse* Schweinf. 6073  
 E 6073 Kenya 6073
- I** *Brachystelma lankana* Dassan. & Jayas. 8021  
 I 16162 Sri Lanka (Dikpatana, Matala) 8021
- I** *Brachystelma linearis* A. Rich. 6087  
 I 6087 Ethiopia 6087
- R** *Brachystelma longifolium* (Schltr.) N.E.Br. 20604  
 R 20604 South Africa - Transvaal 20604
- R** *Brachystelma meyerianum* Schltr. 20604



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Brachystelma*

- R 20604 South Africa - Cape Province 20604
- I *Brachystelma micranthum* E.Mey. 20604  
I 20604 South Africa - Cape Province 20604
- R *Brachystelma minimum* R.A.Dyer 20604  
R 20604 South Africa - Cape Province 20604
- R *Brachystelma minor* E.A.Bruce 20604, 17458  
R 20604 South Africa - Transvaal 20604
- I *Brachystelma montanum* R.A.Dyer 20604  
I 20604 South Africa - Cape Province 20604
- E *Brachystelma natalense* (Schltr.) N.E.Br. 20604  
E 20604 South Africa - Natal 20604
- E *Brachystelma ngomense* R.A.Dyer 20604  
E 20604 South Africa - Natal 20604
- Ex *Brachystelma occidentale* Schltr. 20604  
Ex 20604 South Africa - Cape Province 20604
- I *Brachystelma parvulum* R.A.Dyer 20604, 17458  
I 20604 South Africa - Transvaal 20604
- R *Brachystelma perditum* R.A.Dyer 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Natal 20604  
R 20604 South Africa - Orange Free State 20604
- R *Brachystelma petraeum* R.A.Dyer 20604  
R 20604 South Africa - Natal 20604
- R *Brachystelma pilosum* R.A.Dyer 20604  
R 20604 Zimbabwe 20604  
R 20604 South Africa - Transvaal 20604
- I *Brachystelma schoenlandianum* Schltr. 20604  
I 20604 South Africa - Cape Province 20604
- I *Brachystelma tabularium* R.A.Dyer 20604  
I 20604 South Africa - Cape Province 20604
- V *Brachystelma tenellum* R.A.Dyer 20604  
V 20604 South Africa - Natal 20604
- I *Brachystelma tenue* R.A.Dyer 20604  
I 20604 South Africa - Natal 20604
- R *Brachystelma vahrmeijeri* R.A.Dyer 20604  
R 20604 South Africa - Natal 20604
- Ex *Caralluma arenicola* N.E. Brown 6180  
Ex 6180 South Africa - Cape Province 6180
- V *Caralluma aucheriana* (Decne) N.E.Br. 20146  
V 20146 Oman (northern) 20146
- V *Caralluma burhardii* N.E. Brown 17891  
V 15105 Spain - Canary Is. 15105
- I *Caralluma diffusa* (Wight) N.E. Br.  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Coimbatore Hills)
- E *Caralluma distincta* E.A. Bruce  
E Kenya  
E Tanzania
- V *Caralluma dodsoniana* Lavr. 20146  
E 20146 Oman 20146  
V 20146 Yemen, Democratic 20146  
V 20146 Somalia 20146
- V *Caralluma hexagona* Lavranos 20146  
E 20146 Oman (foothills of Jabal al Samhan) 20146  
V 20146 Saudi Arabia 20146  
V 20146 Yemen, Democratic (southeast) 20146
- I *Caralluma joannis* Maire  
I Morocco
- R *Caralluma sacculata* N.E. Br. 6087
- R 6087 Ethiopia 6087
- R *Caralluma sinaica* (Decne.) A. Berger  
E Egypt  
R Israel  
I Jordan
- E *Caralluma tubiformis* E.A. Bruce & Bally  
E Kenya
- V *Caralluma venosa* Maire 10488  
V 14958 Algeria 10488
- E II *Ceropegia achenii* De Wild. ssp. *togoensis* H. Huber 7926  
E 6072 Ghana 7926
- R II *Ceropegia affinis* Vatke 20202  
R 20211 Ethiopia 20202  
R 20211 Somalia 20202
- R II *Ceropegia albisepta* Jum. & H. Perrier var. *albisepta* 10368  
R 20211 Madagascar (Toliara) 20578
- R II *Ceropegia albisepta* Jum. & H. Perrier var. *bruceana* H. Huber 20064  
R 20211 Kenya 20202  
R 20211 Tanzania 20202  
R 20211 Uganda 20202
- R II *Ceropegia albisepta* Jum. & H. Perrier var. *robysiana* (Werdermann) H. Huber 20064  
R 20211 Zaire 20228
- E II *Ceropegia ampliata* E. Meyer ssp. *madagascariensis* Lavranos 20273  
E 20211 Madagascar (Fianarantsoa) 20578
- I II *Ceropegia ampliata* E. Meyer ssp. *oxyloba* H. Huber 20206  
I 5926 Tanzania (Dar es Salaam) 5926
- V II *Ceropegia angustifolia* Wight 13883  
V 13883 Bangladesh 13883  
V 13883 India - Meghalaya 13883  
V 13883 Nepal 13883
- Ex II *Ceropegia antennifera* Schltr. 20604, 20207  
Ex 20604 South Africa - Natal 20604
- R II *Ceropegia aridicola* W.W. Smith 10260  
R 20211 China
- E II *Ceropegia armandii* Rauh 20213  
E 20211 Madagascar (Toliara) 20578
- R II *Ceropegia attenuata* Hook. 11494  
R 20211 India - Karnataka 11494  
R 20211 India - Maharashtra (Thane; Raigadh; Pune Dist.) 11494
- R II *Ceropegia ballyana* Bullock 20206  
R 20273 Kenya 20206
- I II *Ceropegia barbata* R.A.Dyer 20604, 20064  
I 20604 South Africa - Cape Province 20604
- E II *Ceropegia barnesii* Bruce & Chatterjee 11494  
E 20211 India - Karnataka (South Canara) 11494  
E 20211 India - Tamil Nadu (Nilgiri Hills) 11494
- R II *Ceropegia beddomei* Hook.f. 11494  
R 20211 India - Kerala (Trivandrum; Ponmudi; Idukki) 11494
- I II *Ceropegia bhutanica* Hara 20064  
I 20211 Bhutan 20211
- E II *Ceropegia bosseri* Rauh & Buchloh 20213  
E 20211 Madagascar (Fianarantsoa) 20578

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Ceropegia*

- R** II *Ceropegia botrys* K. Schum. 20212  
**R** 20211 Saudi Arabia 20212  
**R** 20211 Yemen 20212  
**R** 20211 Somalia 20212
- R** II *Ceropegia brevirostris* Bally & Field 20064  
**R** 20211 Tanzania 19976
- V** II *Ceropegia bulbosa* Roxb. 20202  
**V** 20273 Oman (southwest) 20202  
**V** 20273 Yemen 20202  
**V** 20273 India (Punjab, West Peninsula) 8754  
**V** 20273 India - Uttar Pradesh 8754  
**E** 20273 Pakistan (Punjab) 8754  
**V** 20273 Ethiopia 20202  
**V** 20273 Somalia 20202
- R** II *Ceropegia cancellata* Rehb. 20604, 20207  
**R** 20604 South Africa - Cape Province (including Transkei) 20604
- I** II *Ceropegia candelabrum* L. var. *biflora* (L.) M. Ansari 20064  
**I** 16162 Sri Lanka 16162
- E** II *Ceropegia ceratophora* Svent. 15105  
**E** 20750 Spain - Canary Is. 15105
- R** II *Ceropegia chipiaensis* Stopp 20064  
**R** 20211 Angola 20206
- I** II *Ceropegia chrysochroma* Huber 20064  
**I** 5926 Tanzania 5926
- E** II *Ceropegia cyniflora* R.A.Dyer 20604, 20064  
**E** 20604 South Africa - Natal 20604
- I** II *Ceropegia decaisneana* Wight var. *brevicollis* (Hook.f.) H. Huber 20064  
**I** India - Kerala  
**I** India - Tamil Nadu
- R** II *Ceropegia decidua* E.A. Bruce ssp. *pretoriensis* R.A. Dyer 20211  
**R** 20211 South Africa - Transvaal 20207
- R** II *Ceropegia deightonii* Hutch. & Dalz. ssp. *deightonii* 10260  
**R** 20211 Ghana 7855  
**R** 20211 Nigeria 7855
- R** II *Ceropegia dichotoma* Haw. ssp. *dichotoma* 15105  
**R** 15105 Spain - Canary Is. 15105
- R** II *Ceropegia dimorpha* Humbert 20213  
**R** 20211 Madagascar (Fianarantsoa) 20578
- E** II *Ceropegia dinteri* Schlechter 20207  
**E** 20211 Namibia 20207
- R** II *Ceropegia dorjei* C.E.C. Fischer 20211  
**R** 20211 Bhutan
- I** II *Ceropegia elegans* Wallich var. *gardneri* (Thwaites) H. Huber 8021  
**I** 16162 Sri Lanka 8021
- E** II *Ceropegia evansii* McCann 11494  
**E** 20211 India - Maharashtra (Khandala, Pune) 11494
- E** II *Ceropegia fantastica* Sedgw. 11494  
**E** 20211 India - Goa, Daman & Diu 11494  
**E** 20211 India - Karnataka (Sulgeri, North Kanara) 11494
- R** II *Ceropegia filiformis* (Burch.) Schltr. 20604, 10260  
**R** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Orange Free State 20604
- R** II *Ceropegia fimbriata* E. Mey. ssp. *fimbriata* 10260  
**R** 20211 South Africa - Cape Province 20207
- R** II *Ceropegia fimbriifera* Beddome 11494  
**R** 20211 India - Karnataka 11494  
**R** 20211 India - Kerala (Travancore Hills) 10178  
**R** 20211 India - Tamil Nadu 11494
- R** II *Ceropegia floribunda* N.E. Br. 10260  
**R** 20211 Botswana 20207  
**R** 20211 Namibia 20207
- R** II *Ceropegia fusca* Bolle 15105  
**R** 15105 Spain - Canary Is. 15105
- R** II *Ceropegia hians* Svent. var. *hians* 20064  
**R** 15105 Spain - Canary Is. 15105
- R** II *Ceropegia hians* Svent. var. *striata* Sventenius 20064  
**R** 15105 Spain - Canary Is. 15105
- E** II *Ceropegia hofstaetteri* Rauh 20213  
**E** 20211 Madagascar (Mahajunga) 20578
- E** II *Ceropegia hookeri* Clarke ex Hook. f. var. *hookeri* 10260  
**E** 13883 China - Xizang Zizhiqu 13883  
**E** 13883 India - Sikkim 13883  
**E** 13883 Nepal 13883
- E** II *Ceropegia huberi* Ansari 11494  
**E** 20211 India - Maharashtra (Varadha Ghat; Susale Island; Amba Ghat) 20266
- R** II *Ceropegia humbertii* H. Huber 20213  
**R** 20211 Madagascar (Antsiranana) 20578
- I** II *Ceropegia intermedia* Wight. var. *wightii* Hook.f. 10260  
**I** India - Tamil Nadu
- R** II *Ceropegia jainii* Ansari & Kulk. 10511  
**R** 20211 India - Maharashtra 10511
- R** II *Ceropegia kachinensis* Prain 20211  
**R** 20211 Myanmar
- V** II *Ceropegia krainzii* Svent. 15105  
**V** 15105 Spain - Canary Is. 15105
- R** II *Ceropegia kundelungensis* F. Malaisse 20064  
**R** 20211 Zaire 20228
- R** II *Ceropegia langkawiensis* Rintz 10260  
**R** 20211 Malaysia - Peninsular Malaysia
- E** II *Ceropegia lawii* Hook.f. 11494  
**E** 20211 India - Maharashtra (Konkan, Harishchandragad) 11494
- E** II *Ceropegia leroyi* Rauh & Marn.-Lap. 20213  
**E** 20211 Madagascar (Fianarantsoa) 20578
- R** II *Ceropegia lindenii* Lavranos 20064  
**R** 20211 Somalia 20064
- R** II *Ceropegia maccannii* Ansari 10512  
**R** 20211 India - Maharashtra 10512
- Ex/E** II *Ceropegia maculata* Bedd. 13883  
**Ex/E** 13883 India - Kerala 13883  
**Ex/E** 13883 India - Tamil Nadu 13883  
**Ex/E** 13883 Sri Lanka 13883
- R** II *Ceropegia madagascariensis* Decne. 20213  
**R** 20211 Madagascar (Mahajunga) 20578
- R** II *Ceropegia mafekingensis* (N.E.Br.) R.A.Dyer 20604, 20064  
**R** 20211 Namibia - Caprivi Strip 20276  
**R** 20604 South Africa - Cape Province 20604  
**R** 20211 South Africa - Natal 20207

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Ceropegia*

- R 20604 South Africa - Transvaal 20604
- E II *Ceropegia mahabalei* Hem. & Ans. 20064  
E 20211 India - Maharashtra 13883
- R II *Ceropegia maiuscula* Huber 20064  
R 20211 Tanzania 20206
- E II *Ceropegia mayottae* H. Huber 20064  
E 20211 Comoros 20212
- R II *Ceropegia media* (Huber) M.Y. Ansari 20064  
R 20211 India - Maharashtra 20204
- R II *Ceropegia muzingana* F. Malaisse 20064  
R 20211 Zaire 20228
- R II *Ceropegia ngoyana* F. Malaisse 20064  
R 20211 Zaire 20228
- R II *Ceropegia noorjahaniae* Ansari 20064  
R 20211 India 13883  
R 20211 India - Maharashtra (Panchgani Ghat, Satara District) 13883
- R II *Ceropegia nuda* Hutch. & Bruce 20212  
R 20211 Somalia 20212
- V II *Ceropegia occidentalis* R.A.Dyer 20604, 20064  
V 20604 South Africa - Cape Province 20604
- R II *Ceropegia oculata* Hook. var. *occulta* 20064  
R 11494 India - Maharashtra (Pune; Ratnagiri; Raigad) 11494
- E II *Ceropegia odorata* Nimmo ex Hook.f. 10171  
E 20211 India - Gujarat (Pavagadh Hill) 11494  
E 20211 India - Maharashtra (Melghat) 11494  
E 20211 India - Rajasthan (Mt Abu) 11494
- E II *Ceropegia omissa* Huber 11494  
E 20211 India - Tamil Nadu (Sengalteri, Tirunelvely) 11494
- E II *Ceropegia panchganiensis* Blatter & McCann 10506  
E 20211 India - Maharashtra (Panchgani; Lingmala) 10506
- R II *Ceropegia paricyma* N.E. Brown 20207  
R 20211 Malawi 7855  
R 20211 Mozambique 7855  
R 20211 Tanzania 20228  
R 20211 Zambia 20228  
R 20211 Zimbabwe 7855  
R 20211 Namibia - Caprivi Strip 20207
- I II *Ceropegia parviflora* Trimen 8021  
I 20211 Sri Lanka (Anuradhapura) 8021
- E II *Ceropegia petignatii* Rauh 20213  
E 20211 Madagascar (Toliara) 20578
- R II *Ceropegia praetermissa* Raynal & A. Raynal 8003  
R Senegal 8003
- I II *Ceropegia purpurascens* K. Schum. ssp. *thysanotos* (Wederm.) Huber 20064  
I 5926 Tanzania 5926
- R II *Ceropegia pusilla* Wight & Arn. 11494  
R 20211 India - Karnataka (Mysore District) 11494  
R 20211 India - Tamil Nadu 11494
- I II *Ceropegia racemosa* N.E. Br. ssp. *glabra* H. Huber 20213  
I Madagascar (centre & north) 20213
- I II *Ceropegia racemosa* N.E. Br. ssp. *racemosa* 10368  
I Madagascar
- R II *Ceropegia radicans* Schltr. ssp. *radicans* 20211, 20604
- R 20211 South Africa - Cape Province (east & Transkei) 20207
- E II *Ceropegia razafindratsirana* (Rauh & Buchloh) Rauh 20213  
E 20211 Madagascar (Fianarantsoa) 20578
- R II *Ceropegia rollae* Hemadri 20211  
R 20211 India - Maharashtra 13883
- V II *Ceropegia rudatisii* Schltr. 20604, 20207  
V 20604 South Africa - Natal (coastal) 20604
- I II *Ceropegia rupicola* Dettl. var. *stictantha* N.P. Taylor 20064  
I 20212 Yemen 20212
- E II *Ceropegia sahyadrica* Ansari & Kulk. 20211  
E 20211 India - Maharashtra (Pune & Sindhudurg District) 11494
- R II *Ceropegia santapau* Wadh. & Ans. 20064  
R 20211 India - Maharashtra (Pune; Satara; Ratnagiri) 13883
- R II *Ceropegia saxatilis* Jumelle & H. Perrier 20213  
R 20211 Madagascar (Mahajunga) 20578
- R II *Ceropegia scabra* Jumelle & H. Perrier 20213  
R 20211 Madagascar (Toliara) 20578
- R II *Ceropegia scabriflora* N.E.Br. 20604, 20207  
V 20604 South Africa - Natal 20604  
R 20211 South Africa - Transvaal 20207
- E II *Ceropegia simoneae* Rauh 20578  
E 20211 Madagascar (Toliara) 20578
- I II *Ceropegia sobolifera* N.E. Br. var. *nephroloba* Huber 20064  
I 5926 Tanzania 5926
- R II *Ceropegia spiralis* Wight 11494  
R 20211 India - Andhra Pradesh 11494  
R 20211 India - Karnataka 11494  
R 20211 India - Kerala 11494  
R 20211 India - Tamil Nadu 11494
- R II *Ceropegia stentiae* E.A. Bruce 20604, 20202  
R 20604 South Africa - Transvaal (Pietersburg Plateau) 20604
- R II *Ceropegia swaziorum* D.V. Field 20064  
R 20211 Swaziland 19976
- R II *Ceropegia taprobanica* H. Huber 8021  
R 20211 Sri Lanka (Rangala, Kandy; Gilimale) 8021
- R II *Ceropegia ugeni* C.E.C. Fischer 19976  
R 20211 Bhutan 7855
- R II *Ceropegia verruculosa* (R.A.Dyer) D.V. Field 20604, 20064  
R 20604 South Africa - Transvaal 20604
- E II *Ceropegia vincaefolia* Hook. 20206  
E 20211 India - Maharashtra (Thane; Pune; Satara) 19976
- R II *Ceropegia viridis* Choux var. *truncata* (H. Huber) H. Huber 20213  
R 20211 Madagascar 20213
- R II *Ceropegia viridis* Choux var. *viridis* 20213  
R 20211 Madagascar (Toliara) 20578
- R *Cryptolepis grayi* P. Forster 20681  
R 20681 Australia - Queensland 20681
- I *Curroria macrophylla* A.R. Smith 15534  
I 15534 Yemen - Socotra 15534
- R *Cynanchum austrokiusianum* Koidz. 10573

The 1997 IUCN Red List of Threatened Plants  
Magnoliopsida (dicots): Asclepiadaceae: *Cynanchum*

- R 10573 Japan 10573
- R *Cynanchum calcareum* Ohashi 10573  
R 10573 Japan 10573
- R *Cynanchum chirindense* S. Moore 7872  
R 6088 Zimbabwe 7872
- R *Cynanchum christineae* P. Forster 20681  
R 20681 Australia - Northern Territory 20681
- R *Cynanchum compactum* Choux var. *compactum* 10368  
R 20578 Madagascar (Fianarantsoa) 20578
- V *Cynanchum doianum* Koidz. 10573  
V 10573 Japan 10573
- I *Cynanchum ekmanii* Alain 5607  
I 19105 Cuba (Holguin) 5607
- E *Cynanchum elegans* (Benth.) Domin 20681  
E 20681 Australia - New South Wales 20681
- R *Cynanchum fawcettii* (Schltr.) Stearn 20883  
R 20883 Jamaica 20883
- R *Cynanchum filisepalum* (Standley) L.O. Williams 9037  
R 9099 Costa Rica 9037
- R *Cynanchum harrisii* (Schltr.) Stearn 20883  
R 20883 Jamaica 20883
- R *Cynanchum hartii* (Schlechter) Proctor 20883  
R 20883 Jamaica 20883
- V *Cynanchum infimicola* L.O. Wms. 20883  
V 20883 Panama 20883
- I *Cynanchum jamaicense* (Griseb.) Woodson 20883, 13336  
I 13336 Jamaica 20883
- R *Cynanchum katsi* Ohwi 10573  
R 10573 Japan 10573
- R *Cynanchum krameri* (Franchet & Sav.) Matsum. 10573  
R 10573 Japan 10573
- R *Cynanchum lanhsuense* Yamazaki 20511  
R 20511 Taiwan 20511
- R *Cynanchum liebiana* (F. Muell.) P. Forster 20681  
R 20681 Australia - Northern Territory 20681
- R *Cynanchum macrolobum* Jum. & H. Perrier 10368  
R 20578 Madagascar (Toliara) 20578
- R *Cynanchum magdalenicum* Dugand 20883  
V 20883 Panama 20883  
I 20883 Colombia 20883
- R *Cynanchum marnieranum* Rauh 10368  
R 20578 Madagascar (Toliara) 20578
- V *Cynanchum monense* (Britt.) Alain 20883  
I 20883 Puerto Rico (Mona) 20883
- V *Cynanchum multinerve* (Franchet & Sav.) Matsum. 10573  
V 10573 Japan 10573
- R *Cynanchum pachylobum* Choux 10368  
R 20578 Madagascar (Toliara) 20578
- R *Cynanchum priorii* (Rendle) Stearn 20883, 13336  
R 13336 Jamaica 20883
- R *Cynanchum rauhianum* Descouings 10368  
R 20578 Madagascar (Fianarantsoa) 20578
- R *Cynanchum rendlei* Stearn 20883  
R 20883 Jamaica 20883
- E *Cynanchum rossii* Rauh 10368  
E 20578 Madagascar (Toliara) 20578
- R *Cynanchum utahense* (Engelm.) Woods. 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- I *Cynanchum virens* D. Dietr. 20604  
E/V 20604 Lesotho 20604  
I 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Orange Free State 20604  
I 20604 South Africa - Transvaal 20604
- R *Cynanchum yamanakae* Ohwi & Ohashi 10573  
R 10573 Japan 10573
- V *Cynanchum zeyheri* Schltr. 20604  
V 20604 South Africa - Cape Province 20604
- I *Dischidia rafflesiana* Wallich  
I India - Assam
- E *Dischidia scortechinii* King & Gamble  
E Malaysia - Peninsular Malaysia
- E *Dischidia tomentella* Ridley  
E Malaysia - Peninsular Malaysia
- R *Dregea formosana* Yamazaki 20511  
R 20511 Taiwan 20511
- R *Duvalia parviflora* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- E *Duvaliandra dioscoridis* (Lav.) Gilbert 15534  
E 15534 Yemen - Socotra 15534
- I *Echidnopsis insularis* Lavrans 15534  
I 15534 Yemen - Socotra 15534
- V *Echidnopsis scutellata* (defl. A. Berger ssp. *dhofarensis* Bruyns 20146  
V 20146 Oman (Dhofar) 20146
- R *Emplectanthus cordatus* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- R *Emplectanthus gerrardii* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- R *Fanninia caloglossa* Harv. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- E II *Frerea indica* Dalz. 11494  
E 11494 India - Maharashtra (Junnar & Purandhar hills), 11494
- R *Gongyloperma lanuginosum* Ridley  
R Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- V *Gonolobus allenii* Woods. 20883, 9006  
V 20883 Panama 20883
- E *Gonolobus chiriquensis* (Woods.) Woods. 20883, 9006  
I 20883 Panama 20883
- E *Gonolobus fuscoviolaceus* Woods. 20883, 9006  
I 20883 Panama 20883
- R *Gonolobus inaequalis* L.O. Wms. 20883  
V 20883 Panama 20883  
I 20883 Colombia 20883
- R *Gonolobus jamaicensis* Rendle 20883, 13336  
R 13336 Jamaica 20883
- E *Gonolobus lewisii* L.O. Wms. 20883  
I 20883 Panama 20883
- E *Gonolobus ophioglossa* Woods. 20883, 9006  
I 20883 Panama 20883
- I *Gonolobus pubescens* Griseb. 20883, 13336  
I 13336 Jamaica 20883
- R *Gonolobus rhamnifolius* Griseb. 20883, 13336

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Gonolobus*

- R 13336 Jamaica 20883
- V *Gonolobus stapelioides* Desv. 20883, 19890  
R 19890 Jamaica 20883
- V *Gonolobus stellatus* Griseb. 20883  
V 20883 Jamaica 20883
- V *Gymnema brevifolium* Benth. 20681  
V 20681 Australia - Queensland 20681
- I *Gymnema elegans* Wight & Arn.  
I India - Tamil Nadu
- R *Gymnema khandalense* Santapan 14782  
R 14782 India - Maharashtra 14782
- R *Gymnema muelleri* Benth. 20681  
R 20681 Australia - Northern Territory 20681
- I *Gymnema rotundatum* Thwaites 8021  
I 16162 Sri Lanka (Nalanda; Hanguranketha) 8021
- R *Heterostemma brownii* Hayata 20511  
R 20511 Taiwan 20511
- R *Hoodia dregei* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R *Hoodia officinalis* (N.E.Br.) Plowes ssp. *delaetiana* (Dinter) Bruyns 20604  
R 20604 Namibia 20604
- R *Hoodia pilifera* (L.f.) Plowes ssp. *annulata* (N.E.Br.) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Hoodia pilifera* (L.f.) Plowes ssp. *pilifera* 20604  
R 20604 South Africa - Cape Province 20604
- V *Hoodia pilifera* (L.f.) Plowes ssp. *pillansii* (N.E.Br.) Bruyns 20604  
V 20604 South Africa - Cape Province 20604
- I *Hoya lobii* Hook.f.  
I India - Meghalaya
- R *Hoya macgillivrayi* Bailey 20681  
R 20681 Australia - Queensland 20681
- R *Hoya parasitica* Wall. ex Traill 20099, 10260  
R 20099 Singapore 20099
- I *Huernia boleana* M. Gilbert 6087  
I 6087 Ethiopia 6087
- I *Huernia echidnopsioides* (L.C.Leach) L.C.Leach 20604  
I 20604 South Africa - Cape Province 20604
- R *Huernia hislopii* Turrill ssp. *robusta* Leach & Plowes 7889  
R Zimbabwe 7889
- R *Huernia humilis* (Masson) Haw. 20604  
R 20604 South Africa - Cape Province 20604
- V *Huernia hystrix* (Hook.f.) N.E.Br. var. *parvula* L.C.Leach 20604  
V 20604 South Africa - Natal 20604
- V *Huernia kennedyana* Lavranos 20604  
V 20604 South Africa - Cape Province 20604
- R *Huernia longii* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- I *Huernia longituba* N.E. Br. ssp. *cashelensis* Leach & Plowes 7889  
I Zimbabwe 7889
- E *Huernia nouhuysii* I. Verd. 20604  
E 20604 South Africa - Transvaal 20604

- I *Huernia occulta* Leach & Plowes 7889  
I Zimbabwe 7889
- I *Huernia pendula* E.A. Bruce 20604  
I 20604 South Africa - Cape Province 20604
- R *Huernia praestans* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Huernia thudichumii* L.C. Leach 20604  
Ex 20604 South Africa - Cape Province 20604
- Ex *Huernia witzenbergensis* C.A. Lückh. 20604  
Ex 20604 South Africa - Cape Province 20604
- E *Jacaima costata* (Urb.) Rendle 20883  
I 20883 Jamaica 20883
- V *Jacaima costata* (Urb.) Rendle var. *costata* 20883, 13336  
V 13336 Jamaica (St. Andrew, St. Catherine) 20883
- E *Jacaima costata* (Urb.) Rendle var. *goodfriendii* Proctor 20883, 13336  
E 19890 Jamaica 20883
- E *Jacaima parvifolia* Proctor 20883, 13336  
E 19890 Jamaica (Clarendon) 20883
- E *Karimbolea verrucosa* Descoings 10368  
E 20578 Madagascar (Toliara) 20578
- Ex *Marsdenia araujacea* F. Muell. 20681  
Ex 20681 Australia - Queensland 20681
- R *Marsdenia balansae* Baillon  
R New Caledonia
- V *Marsdenia coronata* Benth. 20681, 14223  
V 20681 Australia - Queensland 20681
- I *Marsdenia dusii* Schltr. 10200  
I Dominica 10200  
I Martinique 10200
- V *Marsdenia elliptica* Dcne. 20883  
I 20883 Puerto Rico 20883
- R *Marsdenia hemiptera* Rchb. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Northern Territory 20681  
I 20681 Australia - Queensland 20681
- R *Marsdenia liisae* J. Williams 20681  
R 20681 Australia - New South Wales 20681
- R *Marsdenia longiloba* Benth. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Marsdenia macfadyenii* Rendle 20883  
R 20883 Jamaica 20883
- E *Marsdenia margaritara* Foster 20883, 9006  
I 20883 Panama 20883
- E *Marsdenia panamensis* Spellman 20883, 9006  
I 20883 Panama 20883
- R *Marsdenia raziana* Yog. et Subr. 13883  
R 13883 India - Karnataka (Chikmagalur dist.) 13883
- V *Marsdenia troyana* Urb. 20883, 13336  
V 13336 Jamaica 20883
- Ex *Marsdenia tubulosa* F. Muell. 15112  
Ex 15112 Australia - NSW - Lord Howe Is. 15112
- E *Matelea acuminata* (Griseb.) Woods.  
E 19105 Cuba 19105
- V *Matelea alabamensis* (Vail) Woods. 20850  
E 20850 U.S. - Alabama 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Matelea*

- E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- Ex/E** *Matelea balbisii* (Dcne.) Woods. 20850, 14662  
Ex/E 20850 U.S. - Arizona 20850
- V** *Matelea baldwyniana* (Sweet) Woods. 20850  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Missouri 20850  
I 20850 U.S. - Oklahoma 20850
- R** *Matelea brevicoronata* (B.L. Robins.) Woods. 20850  
R 20850 U.S. - Texas 20850
- I** *Matelea correllii* Spellman  
I 17672 Bahamas 17672
- R** *Matelea decumbens* W. D. Stevens 20883, 9110  
I 20883 Mexico 20883
- R** *Matelea edwardsensis* Correll 20850  
R 20850 U.S. - Texas 20850
- R** *Matelea flavidula* (Chapman) Woods. 20850  
I 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Mississippi 20850  
I 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Tennessee 20850
- V** *Matelea floridana* (Vail) Woods. 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- E** *Matelea grisebachiana* (Schltr.)  
E 19105 Cuba 19105
- E** *Matelea panamensis* Spellman & Dwyer 20883, 9006  
I 20883 Panama 20883
- E** *Matelea pittieri* (Standl.) Woods. 20883, 9006  
I 20883 Panama 20883
- E** *Matelea radiata* Correll 20850, 14662  
E 20850 U.S. - Texas 20850
- E** *Matelea texensis* Correll 20850  
E 20850 U.S. - Texas 20850
- E** *Matelea tigrina* (Griseb.) Woods.  
E 19105 Cuba 19105
- E** *Matelea tristis* (Seem.) Spellman 20883, 9006  
I 20883 Panama 20883
- I** *Miraglossum davyi* (N.E.Br.) Kupicha 20604  
I 20604 South Africa - Transvaal 20604
- I** *Miraglossum pilosum* (Schltr.) Kupicha 20604  
I 20604 South Africa - Cape Province 20604  
I 20604 South Africa - Natal 20604
- E** *Mitolepis arbuscula* A.R. Smith 15534  
E 15534 Yemen - Socotra 15534
- R** *Mitolepis intricata* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R** *Mitostigma caudatum* Malme 16336  
R 20176 Argentina - Tucuman 20176
- R** *Mitostigma mitophorus* (Griseb.) Meyer 16336  
R 20176 Argentina - Tucuman (Valle de Tafi) 20176
- R** *Mitostigma tucumanense* Meyer 16336  
R 20176 Argentina - Tucuman 20176
- R** *Notechidnopsis columnaris* (Nel) Lavranos & Bleck 20604  
R 20604 South Africa - Cape Province 20604
- I** *Oianthus beddomei* Hook.f.  
I India - Karnataka  
I India - Kerala (Wynaad)
- Ex/E** *Oianthus deccanensis* W.A. Talbot 11494  
Ex/E 11494 India - Maharashtra 11494
- I** *Oianthus disciflorus* Hook.f. 1170  
I India - Andhra Pradesh (Kurnool) 1170  
I India - Karnataka (North Canara) 1170
- I** *Orbea macloughlinii* (I.Verd.) L.C.Leach 20604  
I 20604 South Africa - Cape Province 20604
- I** *Orbea pulchella* (Masson) L.C.Leach 20604  
I 20604 South Africa - Cape Province 20604
- V** *Orbea speciosa* L.C.Leach 20604  
V 20604 South Africa - Natal 20604
- R** *Orbea umbracula* (M.D. Henderson) Leach 7749  
R Zimbabwe 7749
- R** *Orbea woodii* (N.E.Br.) L.C.Leach 20604  
R 20604 South Africa - Natal 20604
- V** *Orbeanthus conjunctus* (A.C.White & B.Sloane) L.C.Leach 20604  
V 20604 South Africa - Transvaal 20604
- R** *Orbeanthus gerstneri* (Letty) Leach ssp. *elongata* (R.A. Dyer) Leach 20803  
R South Africa - Transvaal
- R** *Orbeanthus gerstneri* (Letty) Leach ssp. *gerstneri* 20803  
R South Africa - Natal
- V** *Orbeanthus hardyi* (R.A.Dyer) L.C.Leach 20604  
V 20604 South Africa - Transvaal 20604
- R** *Orbeanthus paradoxa* (Verdoorn) Leach 20803  
R South Africa - Natal  
R South Africa - Transvaal
- R** *Orbeopsis gerstneri* (Letty) L.C.Leach ssp. *elongata* (R.A.Dyer) L.C.Leach 20604  
R 20604 South Africa - Transvaal 20604
- I** *Pachycarpus graminifolius* Wild 7754  
I Zimbabwe (Chimanimani) 7754
- R** *Pachycarpus lebomboensis* D.M.N.Sm. 20604  
R 20604 South Africa - Natal 20604
- I** *Pachycarpus mackenii* (Harv.) N.E.Br. 20604  
I 20604 South Africa - Natal 20604
- V** *Pachycarpus rostratus* N.E.Br. 20604  
V 20604 South Africa - Natal 20604
- E** *Pachycarpus stelliceps* N.E.Br. 20604, 20039  
E 20604 Swaziland 20604
- I** *Pachycarpus stenoglossus* (E.Mey.) N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Pachycarpus suaveolens* (Schltr.) Nicholas & Goyder 20604  
R 20604 South Africa - Transvaal 20604
- R** *Pachycymbium lancasteri* Lavranos 20604  
R 20604 South Africa - Transvaal 20604
- V** *Pachycymbium luntii* (N.E.Br.) Gilbert 20146  
E 20146 Oman (Dhofar) 20146  
V 20146 Yemen, Democratic 20146
- R** *Pectinaria articulata* (Aiton) Haw. ssp. *articulata* 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Pectinaria*

- R 20604 South Africa - Cape Province 20604
- R *Pectinaria articulata* (Aiton) Haw. ssp. *borealis*  
Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Pectinaria longipes* (N.E.Br.) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- E *Philibertia campanulata* (Lindl.) Nichols. 20176  
E 20176 Argentina - Catamarca 20176  
E 20176 Argentina - Jujuy 20176  
E 20176 Argentina - La Rioja 20176  
E 20176 Argentina - Salta 20176  
E 20176 Argentina - Santiago del Estero 20176
- R *Piarranthus Barrydalensis* Meve 20604  
R 20604 South Africa - Cape Province 20604
- R *Quaqua armata* (N.E.Br.) Bruyns ssp. *arenicola*  
(N.E.Br.) Bruyns 20604  
E 20604 South Africa - Cape Province 20604
- R *Quaqua armata* (N.E.Br.) Bruyns ssp. *maritima*  
Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Quaqua framesii* (Pillans) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Quaqua inversa* (N.E.Br.) Bruyns var. *cincta*  
(C.A.Lückh.) Bruyns 20803  
R 20803 South Africa - Cape Province 20803
- R *Quaqua inversa* (N.E.Br.) Bruyns var.  
*inversa* 20803  
R 20803 South Africa - Cape Province 20803
- R *Quaqua linearis* (N.E.Br.) Bruyns 20803  
R 20604 South Africa - Cape Province 20604
- R *Quaqua multiflora* (R.A.Dyer) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Quaqua parviflora* (Masson) Bruyns ssp. *bayeriana*  
Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Quaqua pruinosa* (Masson) Bruyns 20803  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- V *Raphionacme arabica* A.G. Miller & J.A. Biagi 20146  
E 20146 Oman (Dhofar) 20146  
V 20146 Yemen, Democratic 20146
- I *Raphionacme elsana* Venter & R.L.Verh. 20604  
I 20604 South Africa - Natal 20604
- R *Raphionacme lobulata* Venter & R.L.Verh. 20604  
R 20604 South Africa - Cape Province 20604
- E *Rhytidocaulon fulleri* Lavranos & Mortimer 20146  
E 20146 Oman (Dhofar) 20146
- I *Rhytidocaulon paradoxum* Bally 6087  
I 6087 Ethiopia 6087
- I *Riocreuxia alexandrina* (H.Huber) R.A.Dyer 20604,  
20207  
I 20604 South Africa - Natal 20604
- I *Riocreuxia bolusii* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- I *Riocreuxia flanaganii* Schltr. 20604, 20207  
I 20604 South Africa - Cape Province (including  
Transkei) 20604
- Ex *Riocreuxia woodii* N.E.Br. 20604, 20207  
Ex 20604 South Africa - Natal 20604
- I *Sarcostemma socotranum* Lavranos 15534
- I 15534 Yemen - Socotra 15534
- R *Schizoglossum montanum* R.A.Dyer 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Natal 20604  
R 20604 South Africa - Orange Free State 20604
- V *Schizoglossum rubiginosum* Hilliard 20604  
V 20604 South Africa - Natal 20604
- V *Schizoglossum singulare* Kupicha 20604  
V 20604 South Africa - Natal 20604
- R *Secamone rodrigueziana* F.Friedmann 10082  
R 5852 Mauritius - Rodrigues 5852
- R *Secamone socotrana* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R *Seshagria sahyadrica* Ansari & Hemadri 13883  
R 13883 India - Maharashtra 13883
- V *Sisyranthus fanninia* N.E.Br. 20604  
V 20604 South Africa - Natal 20604
- V *Socotranthus socotranus* (Balf. f.) Kuntze 15534  
V 15534 Yemen - Socotra 15534
- R *Spirella robinsonii* Cost. 6057  
R Vietnam 6057
- R *Stapelia baylissii* L.C.Leach 20604  
R 20604 South Africa - Cape Province 20604
- V *Stapelia clavicornata* I.Verd. 20604  
V 20604 South Africa - Transvaal 20604
- V *Stapelia divaricata* Masson 20604  
V 20604 South Africa - Cape Province 20604
- R *Stapelia erectiflora* N.E.Br. var. *prostratiflora*  
L.C.Leach 20604  
R 20604 South Africa - Cape Province 20604
- I *Stapelia glabricaulis* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- V *Stapelia immelmaniae* Pillans 20604  
V 20604 South Africa - Cape Province 20604
- I *Stapelia obducta* L.C.Leach 20604  
I 20604 South Africa - Cape Province 20604
- R *Stapelia paniculata* Willd. 20604  
R 20604 South Africa - Cape Province 20604
- R *Stapelia peglerae* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R *Stapelia praetermissa* L.C.Leach var. *luteola*  
L.C.Leach 20604  
R 20604 South Africa - Cape Province 20604
- R *Stapelia praetermissa* L.C.Leach var. *praetermissa*  
L.C.Leach 20604  
R 20604 South Africa - Cape Province 20604
- R *Stapelia rubiginosa* Nel 20604  
R 20604 South Africa - Cape Province 20604
- V *Stapelia scitula* L.C.Leach 20604  
V 20604 South Africa - Cape Province 20604
- R *Stapelia tsomoensis* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- I *Stapelia villetiae* Lückh. 20803  
I South Africa - Cape Province
- R *Stapelianthus arenarius* Bosser & Morat 10368  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus decaryi* Choux 10368  
R 20578 Madagascar (Toliara) 20578

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Asclepiadaceae: *Stapelianthus*

- R *Stapelianthus hardyi* Lavranos 10368  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus insignis* Descoings var. *insignis* 10368  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus keraudreniae* Bosser & Morat 20578  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus madagascariensis* (Choux) Choux 10368  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus montagnacii* (Boiteau) Boiteau & A. Bertrand 10368  
R 20578 Madagascar (Toliara) 20578
- R *Stapelianthus pilosus* (Choux) Lavranos & Hardy 10368  
R 20578 Madagascar (Toliara) 20578
- V *Stapeliopsis breviloba* (R.A. Dyer) Bruyns 20604  
V 20604 South Africa - Cape Province 20604
- R *Stapeliopsis exasperata* (Bruyns) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- E *Stapeliopsis neronis* Pillans 20604  
E 20604 Namibia 20604  
E 20604 South Africa - Cape Province 20604
- R *Stapeliopsis pillansii* (N.E.Br.) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- V *Stapeliopsis saxatilis* (N.E.Br.) Bruyns ssp. *stayneri* (M.B. Bayer) Bruyns 20604  
V 20604 South Africa - Cape Province 20604
- I *Streptocaulon kleinii* Wight & Arn.  
I India (Deccan Peninsula)
- R *Tanulepis sphenophylla* Balf.f. 5852  
R 5852 Mauritius - Rodrigues 5852
- R *Toxocarpus beddomei* Gamble 14782  
R 14782 India - Kerala (Palghat Hills) 14782  
R 14782 India - Tamil Nadu 14782
- E *Toxocarpus longistigma* (Roxb.) Wight & Arn. ex Steud. 11494  
E 11494 India - Andhra Pradesh 11494
- V *Toxocarpus palghatensis* Gamble  
V 13883 India - Kerala (Palghat Hills) 13883
- R *Toxocarpus pauciflorus* M.R. Henderson  
R Malaysia - Peninsular Malaysia
- E *Toxocarpus schimperianus* Hemsley 14296  
E 14981 Seychelles (Mahé, Praslin, Curieuse) 14296
- R *Trachycalymma fimbriatum* (Weinm.) Bullock 7871  
R Zimbabwe 7871
- I *Tridentea choanantha* (Lavranos & Hall) Leach  
I Southern Africa
- I *Tridentea pachyrrhiza* (Dinter) L.C. Leach 20604  
I 20604 Namibia 20604  
I 20604 South Africa - Cape Province 20604
- R *Tridentea virescens* (N.E.Br.) L.C. Leach 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- I *Tromotriche herrei* (Nel) Bruyns 20604  
I 20604 South Africa - Cape Province 20604
- R *Tromotriche longii* (C.A. Lückh.) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Tromotriche ruschiana* (Dinter) Bruyns 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604

- R *Tromotriche thudichumii* (Pillans) L.C. Leach 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylophora calcicola* M.R. Henderson  
R Malaysia - Peninsular Malaysia (Kelantan, Pahang)
- R *Tylophora coriacea* Marais 10082  
R Mauritius 10082  
E 14981 Seychelles 14981
- R *Tylophora lanyuensis* Liu & Lu 20511  
R 20511 Taiwan 20511
- E *Tylophora linearis* P. Forster 20681  
E 20681 Australia - New South Wales 20681  
E 20681 Australia - Queensland 20681
- E *Tylophora rupicola* P. Forster 20681  
E 20681 Australia - Queensland 20681
- V *Tylophora williamsii* P. Forster 20681  
V 20681 Australia - Queensland 20681
- E *Tylophora woollsii* Benth. 20681  
E 20681 Australia - New South Wales 20681
- I *Tylophora zeylanica* Decne. 8021  
I 16152 Sri Lanka (Hantana, Wattegoda, Kandy) 8021
- E *Utleria salicifolia* Beddome 14782  
E 14782 India - Kerala 14782  
E 14782 India - Tamil Nadu 14782
- R *Vincetoxicum creticum* Browicz 20731  
R 20731 Greece - Crete 20731
- V *Vincetoxicum pannonicum* (Borhidi) Holub 8000, 20171  
V 20686 Hungary 8000
- R *Vincetoxicum rossicum* (Kleopow) Barbar. 20171  
R former European USSR 8000
- E *White-sloanea crassa* (N.E. Br.) Chiov.  
E Somalia
- R *Woodia mucronata* (Thunb.) N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Woodia singularis* N.E.Br. 20604  
R 20604 Swaziland 20604  
R 20604 South Africa - Transvaal 20604
- R *Woodia verruculosa* Schltr. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Xysmalobium gerrardii* Scott-Elliott 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- I *Xysmalobium pearsonii* L. Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Xysmalobium tysonianum* (Schltr.) N.E.Br. 20604  
I 20604 Lesotho 20604  
I 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604

**Balanopaceae**

Number of genera:	1
Number of species:	9
Recorded threatened species:	1 (11%)

Southwest Pacific, especially New Caledonia.

- R *Balanops balansae* Baillon 20893  
R 20893 New Caledonia 20893



## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): **Balanophoraceae: *Balanophora***

### Balanophoraceae

Number of genera: 19  
 Number of species: 45  
 Recorded threatened species: 5 (11%)

Tropical and subtropical.

**R** *Balanophora kiusiana* Ohwi 10572

**R** 10572 Japan 10572

**E** *Balanophora wilderi* Setchell 19473

**E** 19473 Cook Is. (Southern group) (Rarotonga)  
 19473

**R** *Balanophora yakusimensis* Masam. 10572

**R** 10572 Japan 10572

**V** *Dactylanthus taylorii* Hook.f. 86

**V** 19305 New Zealand - North Is. 19305

**R** *Helosis cayennensis* (Swartz) Spreng var.  
*cayennensis* 10200

**R** Dominica 10200

**V** 17079 Brazil 17079

**V** 17746 Brazil - Amazonas 17079

**V** 17746 Brazil - Rio Grande do Sul 17079

**V** 17746 Brazil - Rondonia 17079

**V** 17746 Brazil - Roraima 17079

**V** 17746 Brazil - Santa Catarina 17079

**R** 18200 Peru 18200

### Balsaminaceae

Number of genera: 2  
 Number of species: 450  
 Recorded threatened species: 69 (15%)

Tropical Asia and Africa, some in temperate regions; India to Java.

**I** *Impatiens acaulis* Arn.

**I** India - Karnataka (Concan)

**I** India - Kerala (Malabar)

**I** India - Tamil Nadu (Nilgiri)

**I** *Impatiens aliciae* C. Fischer

**I** India - Kerala (Travancore)

**Ex/E** *Impatiens anaimudica* C. Fischer 14782

**Ex/E** 14782 India - Kerala (Anaimudi) 14782

**I** *Impatiens barberi* Hook.f.

**I** India - Karnataka (Cadamany)

**I** *Impatiens cochinica* Hook.f.

**I** India - Kerala (Kavalay, Cochin)

**I** *Impatiens coelotropis* C. Fischer

**I** India - Kerala (Anaimudi)

**I** *Impatiens concinna* Hook.f.

**I** India - Kerala (Malabar)

**I** *Impatiens crenata* Beddome

**I** India - Tamil Nadu

**Ex** *Impatiens cryptoneura* Hook.f. 20742

**Ex** 20742 Malaysia - Peninsular Malaysia 20742

**I** *Impatiens dassysperma* Wight

**I** India - Karnataka (Mysore hills)

**I** India - Tamil Nadu (Courtallum, Tirunelveli)

**I** *Impatiens debilis* Turcz. 2268

**I** India - Tamil Nadu (Nilgiri Hills) 2268

**I** *Impatiens dendricola* C. Fischer

**I** India - Karnataka (Thandiadumolu, Coorg)

**I** *Impatiens digitata* Warb. ssp. *digitata*

Grey-Wilson 19503

**I** 5926 Tanzania (Mt Kilimanjaro) 5926

**I** *Impatiens digitata* Warb. ssp. *ngorongorensis*

Grey-Wilson 19503

**I** 5926 Tanzania 5926

**I** *Impatiens elegantissima* Gilg. ssp. *nov.* 5926

**I** 5926 Tanzania 5926

**I** *Impatiens engleri* Güg ssp. *engleri* 19503

**I** 5926 Tanzania (Lushoto & Morogoro) 19503

**R** *Impatiens flanaganiae* Hemsl. 20604

**R** 20604 South Africa - Cape Province 20604

**R** 20604 South Africa - Natal 20604

**R** *Impatiens gongolana* Halle

**R** Gabon (Monts de Cristal)

**E** *Impatiens gordonii* Horne ex Baker 14296

**E** 14981 Seychelles (Mahé) 14296

**I** *Impatiens grandisepala* Grey-Wilson

**I** Cameroon (Cameroon mt)

**I** *Impatiens harrissii* Hook.f.

**I** India (W. Himalaya)

**I** *Impatiens janthina* Thwaites 8021

**I** 16162 Sri Lanka 8021

**Ex/E** *Impatiens johnii* Barnes 14782

**Ex/E** 14782 India - Kerala (Kalaar valley, Idikki)  
 14782

**E** *Impatiens jurpioides* T. Shimizu 19120

**E** 19120 Thailand 19120

**I** *Impatiens keilii* Güg ssp. *keilii* 19503

**I** 5926 Tanzania (Morogoro, Iringa) 19503

**I** *Impatiens kentrodonta* Güg 19503

**I** 5926 Tanzania (Kilosa & Morogoro) 19503

**I** *Impatiens kilimanjari* Oliv. 19503

**I** 5926 Tanzania (Mt Kilimanjaro) 5926

**I** *Impatiens laticornis* C. Fischer 4988

**I** India - Tamil Nadu (Kundha, Nilgiri hills)  
 4988

**I** *Impatiens lawii* Hook.f. & Thomson

**I** India - Kerala

**I** *Impatiens lawsonii* Hook.f. 2268

**I** India - Tamil Nadu (Nilgiri Hills) 2268

**I** *Impatiens leptura* Hook.f.

**I** India - Kerala (Travancore)

**I** *Impatiens letestuana* Halle

**I** Gabon

**I** *Impatiens letouzeyi* Grey-Wilson

**I** Cameroon (Kumba)

**I** *Impatiens leucantha* Thwaites 8021

**I** 16162 Sri Lanka 8021

**I** *Impatiens lucida* Heyne

**I** India - Karnataka (South Canara)

**I** India - Kerala (Travancore)

**Ex/E** *Impatiens macrocarpa* Hook.f. 14782

**Ex/E** 14782 India - Kerala (Travancore Hills) 14782

**I** *Impatiens meeboldii* Hook.f.

**I** India - Jammu & Kashmir

**E** *Impatiens munnarensis* Barnes 14782

**E** 14782 India - Kerala (Munnar, Idikki) 14782

**I** *Impatiens munronii* Wight

**I** India - Tamil Nadu (Sispara, Nilgiri)

**I** *Impatiens nataliae* Hook.f.

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Balsaminaceae: *Impatiens*

- I India - Karnataka (Kumsi, Shimoga)
- E *Impatiens neo-barnesii* C. Fischer 4988  
E 13883 India - Tamil Nadu (Kundha, Nilgiri hills) 4988
- E *Impatiens nilagirica* C. Fischer 13883  
E 13883 India - Tamil Nadu (Kundha, Nilgiri hills) 4988
- R *Impatiens nzoana* A. Chev. ssp. *bennae* (Jacq.-Fel.) Grey-Wilson  
R Guinea
- R *Impatiens oumina* Halle  
R Gabon (Ayoumba)
- I *Impatiens pahalgamensis* Hook.f.  
I India - Jammu & Kashmir
- I *Impatiens pallide-rosea* Gülg var. *pallide-rosea* Grey-Wilson 19503  
I 5926 Tanzania (Uluguru mts) 19503
- I *Impatiens pallidiflora* Hook.f.  
I India - Kerala (Devicolam, Idikki)
- R *Impatiens pandata* Barnes 14782  
R 14782 India - Kerala 14782
- I *Impatiens platyadena* C. Fischer  
I India - Kerala (Anaimudi)
- I *Impatiens polhillii* Grey-Wilson ined. 19503  
I 5926 Tanzania (Iringa) 5926
- R *Impatiens quisqualis* Launert 7749  
R Malawi 7749
- I *Impatiens repens* Moon 8021  
I 16162 Sri Lanka 8021
- R *Impatiens ridleyi* Hook.f.  
R Malaysia - Peninsular Malaysia (Selangor; Pahang)
- I *Impatiens rivulicola* Hook.f.  
I India - Kerala (Purair Valley, Travancore)
- R *Impatiens rubromaculata* Warb. ssp. *schulziana* (Launert) Grey-Wilson 7856  
R Malawi 7856
- I *Impatiens rufescens* Benth. ex Wight & Arn. 2268  
I India - Tamil Nadu 2268
- I *Impatiens setosa* Hook.f.  
I India - Tamil Nadu
- R *Impatiens shirensis* Baker f. 7749  
R Malawi 7749
- I *Impatiens stocksii* Hook.f.  
I India - Karnataka
- I *Impatiens subcordata* Arn. 8021  
I 16162 Sri Lanka (Ramboda; Hakgala; Hewaheta) 8021
- R *Impatiens talbotii* Hook. f. 14782  
R 14782 India - Karnataka 14782
- I *Impatiens taprobanica* Hiern 8021  
I 16162 Sri Lanka 8021
- R *Impatiens tayemonii* Hayata 20511  
R 20511 Taiwan 20511
- I *Impatiens teitensis* Grey-Wilson ssp. *teitensis* Grey-Wilson 19109  
I 19109 Kenya 19109
- I *Impatiens tipusensis* M.R. Henderson  
I Malaysia - Peninsular Malaysia (Gua Tipus, Pahang)
- R *Impatiens tuberosa* H. Perrier 10368

- R 20578 Madagascar (Antsiranana) 20578
- I *Impatiens ulugurensis* Warb. 19503  
I 5926 Tanzania (Uluguru mts) 5926
- I *Impatiens verucunda* Hook.f.  
I India - Kerala (Periakanal & Devicolam)
- I *Impatiens viridiflora* Wight  
I India - Tamil Nadu
- I *Impatiens walkeri* Hook. 8021  
I 16162 Sri Lanka 8021
- I *Impatiens wightiana* Beddome  
I India - Tamil Nadu

### Basellaceae

Number of genera: 4  
Number of species: 15-20  
Recorded threatened species: 5 (27%)

Tropical and subtropical, mostly New World.

- E *Anredera aspera* Sperling 20883  
E 20883 Bolivia 20883
- R *Anredera densiflora* Sperling 20883  
E 20883 Ecuador 20883  
R 20883 Peru 20883
- V *Anredera krapovickasii* (Villa C.) Sperling 20883  
E 20883 Argentina 20883  
V 20883 Bolivia 20883
- R *Anredera tucumanensis* (Lillo & Hauman) Sperling 20883  
R 20883 Argentina 20883  
E 20883 Bolivia 20883  
V 20883 Brazil 20883
- R *Tournonia hookeriana* Moquin-Tandon, in DC 20883  
E 20883 Colombia 20883  
R 20883 Ecuador 20883

### Begoniaceae

Number of genera: 3-5  
Number of species: 1, 020  
Recorded threatened species: 64 (6%)

Tropical, especially northern South America.

- R *Begonia aborensis* Dunn 14782  
R 14782 India - Arunachal Pradesh 14782
- R *Begonia aggeloptera* Halle  
R Gabon
- E *Begonia aliciae* C. Fischer 14782  
E 14782 India - Kerala (Travancore Hills) 14782
- E *Begonia anamalayana* Bedd. 14782  
E 14782 India (southwestern Ghats) 14782
- R *Begonia austrotaiwanensis* Chen & Peng 20511  
R 20511 Taiwan 20511
- V *Begonia bissei* J. Sierra 11840  
V 19105 Cuba (Guantanamo) 11840
- R *Begonia brevibracteata* Kupicha 7749  
R Malawi 7749
- Ex/E *Begonia brevicaulis* DC. 14782  
Ex/E 14782 India - Meghalaya 14782
- E *Begonia brevicyma* C. DC. 20883, 9006  
I 19577 Panama 20883
- R *Begonia buimontana* Yamamoto 20511  
R 20511 Taiwan 20511

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Begoniaceae: *Begonia*

- R** *Begonia burkillii* Dunn 14782  
**R** 14782 India - Arunachal Pradesh 14782
- I** *Begonia canarana* Miq. 14782  
**E** 14782 India - Karnataka (South Canara) 14782  
**E** 14782 India - Kerala (Malabar) 14782  
**I** 19215 Malaysia - Sabah 19215
- R** *Begonia carletonii* Standley 9037  
**R** 19760 Costa Rica 9037  
**R** 19577 Panama 9037
- R** *Begonia copeyana* C. DC. 9037  
**R** 19761 Costa Rica 9037
- R** *Begonia cordifolia* (Wight) Thwaites 14782  
**R** 14782 India - Kerala (Malabar) 14782  
**R** 14782 India - Tamil Nadu (Tirunelveli Hills) 14782
- Ex** *Begonia cowellii* Nash 5607  
**Ex** 19105 Cuba (Granma) 5607
- V** *Begonia cubensis* Hassk. 11840  
**V** 19105 Cuba (Santiago de Cuba) 11840
- E** *Begonia davidsoniae* Sm. & Schubert 20883, 9006  
**I** 19577 Panama 20883
- R** *Begonia dregei* Otto & A. Dietr. 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Begonia ferramica* Halle  
**I** Gabon
- I** *Begonia ficifolia* Halle  
**I** Gabon
- R** *Begonia formosana* (Hayata) Masamune forma *albomaculata* Liu & Lai 20511  
**R** 20511 Taiwan 20511
- E** *Begonia garagarana* C. DC. 20883, 9006  
**I** 19577 Panama 20883
- E** *Begonia geraniifolia* Hook. 18200  
**E** 9446 Peru 18200
- R** *Begonia homonyma* Steud. 20604, 15013  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Begonia ignorata* Irmischer  
**I** Malaysia - Peninsular Malaysia (Kota Glanggi, Pahang)
- R** *Begonia kingiana* Irmischer  
**R** Malaysia - Peninsular Malaysia
- E** *Begonia leivae* J. Sierra 11840  
**E** 19105 Cuba (Santiago de Cuba) 11840
- I** *Begonia lethomasiae* R. Wilczek  
**I** Gabon
- V** *Begonia libanensis* Urban 11840  
**V** 19105 Cuba (Guantanamo) 11840
- E** *Begonia lomensis* Britton & P. Wilson 11840  
**E** 19105 Cuba (Santiago de Cuba) 11840
- R** *Begonia lushaiensis* C.E. C. Fischer 14782  
**R** 14782 India - Mizoram 14782
- E** *Begonia maestrensis* Urban 11840  
**E** 19105 Cuba (Santiago de Cuba) 11840
- R** *Begonia minutifolia* Halle  
**R** Gabon
- E** *Begonia mucronistipula* C. DC. 20883, 10747  
**I** 20883 Panama 20883
- I** *Begonia nicolai-hallei* R. Wilczek  
**I** Gabon
- R** *Begonia nurii* Irmischer  
**R** Malaysia - Peninsular Malaysia (Kelantan, Pahang)
- R** *Begonia nyassensis* Irmischer 7749  
**R** Malawi 7749
- E** *Begonia octopetala* L'Her. ssp. *octopetala* 18200  
**E** 9446 Peru 18200
- V** *Begonia opuliflora* Putz. 9006  
**V** 16317 Panama 9006
- I** *Begonia palawanensis* Mart. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Begonia phoeniogramma* Ridley  
**R** Malaysia - Peninsular Malaysia
- R** *Begonia phrixophylla* Blatt. et McC. 13883  
**R** 13883 India - Maharashtra 13883
- I** *Begonia purdieana* A. DC. 20883, 13336  
**I** 13336 Jamaica 20883
- E** *Begonia rajah* Ridley; Ridley 12936, 10260  
**E** 12936 Malaysia 12936
- R** *Begonia rubro-venia* Hook. var. *meisneri* Clarke 14782  
**R** 14782 India - Meghalaya 14782
- R** *Begonia rumpiensis* Kupicha 7749  
**R** Malawi 7749
- E** *Begonia salisburyana* Irmisch 7926  
**E** Nigeria (Okomu) 7926
- R** *Begonia satrapis* Clarke 14782  
**R** 14782 India - Sikkim 14782
- I** *Begonia scintillans* Dunn 14782  
**I** 14782 India - Arunachal Pradesh 14782
- R** *Begonia scutata* Wall. ex DC. 14782  
**R** 14782 India 14782  
**R** 14782 India - Sikkim 14782  
**R** 14782 India - West Bengal 14782  
**R** 19218 Nepal 14782
- V** *Begonia seychellensis* Hemsley 14296  
**V** 19181 Seychelles 14296
- V** *Begonia socotrana* Hook. f. 14908  
**V** 15534 Yemen - Socotra (Hajir Mts.) 14908
- R** *Begonia subpeltata* Wight 14782  
**R** 14782 India (South Deccan Peninsula and Western Ghats) 14782  
**E** 14782 Sri Lanka 14782
- R** *Begonia taiwaniana* Hayata 20511  
**R** 20511 Taiwan 20511
- I** *Begonia tessaricarpa* Clarke 14782  
**I** 14782 India - Assam 14782
- V** *Begonia trichocarpa* Dalz. 14782  
**V** 14782 India (Western Ghats and southwest India) 14782
- R** *Begonia triflora* Irmischer var. *caloskiadia* Halle  
**R** Gabon
- R** *Begonia vestita* C. DC. 9004  
**R** 19760 Costa Rica 9037  
**I** 19577 Panama 9006
- I** *Begonia vittariifolia* Halle  
**I** Gabon
- E** *Begonia watti* Clarke 14782  
**E** 14782 India - Nagaland 14782

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Begoniaceae: *Begonia*

- I** *Begonia wengeri* C.E. C. Fischer 14782  
**I** 14782 India - Mizoram 14782
- I** *Begonia woodii* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- V** *Begonia wrightiana* A. DC 11840  
**V** 19105 Cuba (Guantanamo) 11840
- R** *Hillebrandia sandwicensis* D. Oliver 20850, 14209  
**I** 20850 U.S. - Hawaii 20850

**Berberidaceae**

Number of genera: 13  
 Number of species: 650  
 Recorded threatened species: 43 (6%)

Widespread, especially temperate Northern Hemisphere.

- R** *Achlys japonica* Maxim. 10572  
**R** 10572 Japan 10572
- R** *Berberis affinis* Don 11494  
**R** 11494 India - Uttar Pradesh (Kumaon) 11494
- R** *Berberis alpicola* Schneider 20511  
**R** 20511 Taiwan 20511
- R** *Berberis apiculata* Ahrendt 13883  
**R** 13883 India - Himachal Pradesh (Simla) 13883
- R** *Berberis bicolor* Lev. 20511  
**R** 20511 Taiwan 20511
- V** *Berberis cliffortioides* Diels 18200  
**V** 12468 Peru 18200
- V** *Berberis corymbosa* Hook. & Arn. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- V** *Berberis everestiana* Ahrendt var. *ventosa*  
**Ahrendt** 7731  
**V** Nepal 7731
- V** *Berberis harrisoniana* Kearney & Peebles 20850  
**V** 20850 U.S. - Arizona 20850
- R** *Berberis hayatana* Mizush. 20511  
**R** 20511 Taiwan 20511
- I** *Berberis huegeliana* Schneider 11494  
**I** 11494 India - Jammu & Kashmir (Kashmir) 11494
- R** *Berberis iliensis* Popov 5942  
**R** 5942 Kazakhstan (south-east) 5942
- R** *Berberis karkaralensis* Kornilova & Potapov 5942  
**R** 5942 Kazakhstan (east) 5942
- R** *Berberis kashmiriana* Ahrendt 11494  
**R** 11494 India - Jammu & Kashmir (Mantnar valley, nr Desu) 11494
- V** *Berberis Lambertii* R. Parker 11494  
**V** 11494 India - Uttar Pradesh 11494
- E** *Berberis litoralis* Philippi 15088  
**E** 13875 Chile 13875
- V** *Berberis maderensis* Lowe 14166  
**V** 14166 Portugal - Madeira 14177
- E** *Berberis masafuerana* Skottsb. 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- V** *Berberis nilghiriensis* Ahrendt 2268  
**V** 18228 India - Tamil Nadu (Nilgiri Hills) 2268
- I** *Berberis orthobotrys* Bien. ex Aitch. var. *sinthanensis* Ahrendt  
**I** India - Jammu & Kashmir (only Kashmir)
- R** *Berberis osmastonii* Dunn 11494

- R** 11494 India - Uttar Pradesh (Garhwal) 11494
- I** *Berberis petiolaris* Wallich ex G. Don var. *garhwalana* Ahrendt  
**I** India - Uttar Pradesh (Garhwal; Kumaun)
- R** *Berberis poluninii* Ahrendt 7731  
**R** Nepal 7731
- I** *Berberis pseudoumbellata* R. Parker  
**I** India - Himachal Pradesh (Chamba, Simla)  
**I** India - Jammu & Kashmir (only Kashmir)  
**I** India - Uttar Pradesh (Garhwal)
- I** *Berberis royleana* Ahrendt  
**I** India - Jammu & Kashmir (only Kashmir)
- V** *Dysosma versipellis* (Hance) M. Cheng 17617  
**V** 17617 China - Anhui 11139  
**V** 17617 China - Fujian 11139  
**V** 17617 China - Guangxi 11139  
**V** 17617 China - Guizhou 11139  
**V** 17617 China - Henan 11139  
**V** 17617 China - Hubei 11139  
**V** 17617 China - Hunan 11139  
**V** 17617 China - Jiangxi 11139  
**V** 17617 China - Shaanxi 11139  
**V** 17617 China - Sichuan 11139  
**V** 17617 China - Yunnan 11139  
**V** 17617 China - Zhejiang 11139
- I** *Epimedium colchicum* (Boiss.) Trautv. 5942  
**I** 5942 Russia - North Caucasus 5942  
**I** 5942 Georgia (Black Sea coast) 5942
- R** *Epimedium grandiflorum* Morr. var. *coelestre*  
**Shimizu** 10572  
**R** 10572 Japan 10572
- V** *Epimedium perralderianum* Coss. 10487  
**V** 14958 Algeria 10487
- R** *Gymnospermium altaicum* (Pallas) Spach ssp. *odessanum* (DC.) E. Mayer & Pulevic 10270  
**R** 19121 Albania 19121  
**E** 14155 Greece (Peloponnisos) 20731  
**E** 19949 Romania 8000
- I** *Gymnospermium darwasicum* (Regel) Takht. 5942  
**I** 5942 Tajikistan 5942
- I** *Gymnospermium odessanum* (DC.) Takht. 5942  
**I** 5942 Ukraine 5942
- I** *Gymnospermium smirnowii* (Trautv.) Takht. 5942  
**I** 5942 Ukraine 5942
- V** *Mahonia amplexens* Eastw. 20850  
**I** 20850 U.S. - California 20850
- E** *Mahonia higginsiae* (Munz) Ahrendt 20883, 19002  
**E** 20850 U.S. - California 20850  
**E** 20883 Mexico 20883
- I** *Mahonia jaunsarensis* Ahrendt  
**I** India - Uttar Pradesh (Chakrata)
- V** *Mahonia nervosa* (Pursh) Nutt. var. *mendocinensis* (J.B. Roof) J.B. Roof 20850  
**I** 20850 U.S. - California 20850
- V** *Mahonia nevinii* (Gray) Fedde 20850  
**V** 20850 U.S. - California 20850
- R** *Mahonia oiwakensis* Hayata 20511  
**R** 20854 Taiwan 20511
- E** *Mahonia pinnata* (Lag.) Fedde ssp. *insularis* (Munz) J.B. Roof 20850  
**E** 20850 U.S. - California 20850
- E** *Mahonia sonnei* Abrams 20850

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Berberidaceae: *Mahonia*

- E 20850 U.S. - California 20850  
**R** *Mahonia swaseyi* (Buckl. ex Young) Fedde 20850  
 R 20850 U.S. - Texas 20850  
**I** *Ranzania japonica* Ito 10572  
 I 10572 Japan 10572

### Betulaceae

Number of genera: 6  
 Number of species: 120-130  
 Recorded threatened species: 13 (10%)

Mainly temperate and cool Northern Hemisphere.

- R** *Alnus glutinosa* (L.) Gaertner ssp. *betuloides* 20618  
 R 20618 Turkey 20618  
**R** *Alnus hakkodensis* Hayashi 10572  
 R 10572 Japan 10572  
**R** *Alnus maritima* (Marsh.) Muhl. ex Nutt. 20850  
 R 20850 U.S. - Delaware 20850  
 R 20850 U.S. - Maryland 20850  
 V 20850 U.S. - Oklahoma 20850  
**V** *Betula apoiensis* Nakai 10572  
 V 20626 Japan (Mt Apoi) 20626  
**R** *Betula browicziana* Guner 12840  
 R 20618 Turkey 20618  
**R** *Betula chichibuensis* Hara 10572  
 R 10572 Japan 10572  
**R** *Betula ermani* Cham. var. *saitoana*  
 Hatus. 15957  
 R 15923 Korea, South (Mt. Halla, Mt. Chiri)  
 15957  
**R** *Betula globispica* Shirai  
 R Japan (central)  
**E** *Betula halophila* Ching ex P.C. Li 17617  
 E 17617 China - Xinjiang Uygur Zizhiqu (Artai)  
 11139  
**I** *Betula megrellica* Sosn. 5942  
 I 5942 Georgia 5942  
**E** *Betula murrayana* Barnes & Dancik 20850  
 E 20850 U.S. - Michigan 20850  
**R** *Betula parvibracteata* Peinado, Morena & Velasco  
 R Spain  
**I** *Betula raddeana* Trautv. 5942  
 I 5942 Russia - North Caucasus 5942  
 I 5942 Georgia 5942

### Bignoniaceae

Number of genera: 100  
 Number of species: 800  
 Recorded threatened species: 155 (19%)

Mainly tropical, especially tropical America.

- E** *Amphitecna costata* A. Gentry 20883, 9089  
 E 12472 Guatemala 20883  
**R** *Amphitecna isthmica* (A. Gentry) A. Gentry 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883  
**E** *Amphitecna macrophylla* (Seemann) Miers ex  
 Baillon 20883, 9089  
 E 20883 Mexico 20883  
 Ex/E 12472 Mexico - Veracruz 9089

- V** *Amphitecna megalophylla* (Donnell Smith) A.  
 Gentry 20883  
 I 20883 Guatemala 20883  
**E** *Amphitecna parviflora* A. Gentry 20883, 9089  
 V 12472 Panama 20883  
**R** *Amphitecna regalis* (Linden) A. Gentry 20883  
 I 20883 Mexico 20883  
**R** *Amphitecna sessilifolius* (J.D. Sm.) L.O. Wms. 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883  
**V** *Amphitecna silvicola* L. O. Williams 20883, 9006  
 V 12472 Guatemala 20883  
 V 12472 Mexico 20883  
**E** *Amphitecna spathicalyx* (A. Gentry) A. Gentry 20883,  
 9089  
 E 12472 Panama 20883  
**V** *Amphitecna steyermarkii* (A. Gentry) A. Gentry 20883  
 I 20883 Guatemala 20883  
 I 20883 Mexico 20883  
**E** *Amphitecna tuxtliensis* A. Gentry 20883, 9089  
 V 12472 Mexico 20883  
**R** *Argylia adscendens* var. *viridis* (Philippi) Gleisner &  
 Ricardi 20883  
 I 20883 Chile 20883  
**V** *Argylia bifrons* Philippi 20883  
 I 20883 Chile 20883  
**R** *Argylia checoensis* (Meyen) Johnston 20883  
 I 20883 Chile 20883  
**V** *Argylia farnesiana* Gleisner & Ricardi 20883  
 I 20883 Chile 20883  
**R** *Argylia geranioides* A. de Candolle 20883  
 I 20883 Chile 20883  
**V** *Argylia glutinosa* Philippi 20883  
 I 20883 Chile 20883  
**R** *Argylia potentillifolia* A. de Candolle 20883  
 I 20883 Chile 20883  
**R** *Argylia robusta* Sandwith 20883, 16336  
 V 16336 Argentina 20883  
 V 20176 Argentina - Neuquen 20176  
 V 20176 Argentina - Mendoza 20176  
**R** *Argylia tomentosa* Philippi 20883  
 I 20883 Chile 20883  
**R** *Catalpa brevipes* Urban 20883, 5607  
 V 19105 Cuba (Granma) 20883  
 I 20883 Dominican Republic (Azua (south west))  
 20074  
 I 20883 Haiti (Massif de la Hotte) 20074  
**R** *Catalpa purpurea* Grisebach 20883  
 I 20883 Cuba 20883  
 I 20883 Haiti (La Gonâve) 21008  
**V** *Colea colei* (Bojer ex Hook.) M.L.Green 10082  
 V 20771 Mauritius 10082  
**I** *Colea seychellarum* Seemann 14296  
 I 19181 Seychelles (granitic) 14296  
**E** *Crescentia mirabilis* Ekman ex Urban 20883, 5607  
 E 19105 Cuba (Camaguey) 20883  
**E** *Crescentia portoricensis* Britt. 20883, 8058  
 E 20883 Puerto Rico (western) 20883  
**R** *Cuspidaria weberbaueri* (Sprague) A. Gentry 18200  
 R 12468 Peru 18200

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Bignoniaceae: *Cuspidaria*

- R** *Delostoma dentatum* D. Don 20883  
I 20883 Peru 20883
- E** *Delostoma gracile* A. Gentry 20883, 12472  
E 12472 Peru 20883
- R** *Digomphia ceratophora* A. Gentry 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- V** *Ekmanianthe actinophylla* (Grisebach) Urban 20883, 20513  
I 20883 Cuba 20883
- V** *Ekmanianthe longiflora* (Grisebach) Urban 20883  
I 20883 Cuba 20883  
I 20883 Dominican Republic (Barahona) 20074  
I 20883 Haiti (Gonaïves) 20074
- V** *Fernandoa lutea* (Verdcourt) Bidgood 20885  
V 20885 Tanzania (Rondo) 20900
- R** *Haplophragma serratum* Dop 6057  
R Vietnam 6057
- I** *Hexaneurocarpon brilletii* Dop 6057  
I 15734 Vietnam 6057
- V** *Jacaranda acutifolia* Kunth 18200  
V 12468 Peru 18200
- R** *Jacaranda arborea* Urban 20883  
I 20883 Cuba 20883
- R** *Jacaranda bracteata* Bureau & K. Schumann 20883  
I 20883 Brazil 20883
- E** *Jacaranda bullata* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Jacaranda campinae* A. Gentry & Morawetz 20883  
I 20883 Brazil 20883
- E** *Jacaranda carajasensis* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Jacaranda caucana* A. Gentry ssp. *calycina* A. Gentry 20883, 12472  
V 12472 Colombia 20883
- R** *Jacaranda caucana* ssp. *glabrata* A. Gentry 20883  
I 20883 Venezuela 20883
- R** *Jacaranda cowellii* Britton & Wilson 20883  
I 20883 Cuba 20883
- E** *Jacaranda crassifolia* Morawetz 20883  
I 20883 Brazil 20883
- V** *Jacaranda egleri* Sandwith 20883  
I 20883 Brazil 20883
- V** *Jacaranda ekmanii* Alain 20883  
I 20883 Dominican Republic (Pedernales, Barahona) 20074  
I 20883 Haiti (south) 20074
- V** *Jacaranda grandifoliolata* A. Gentry 20883  
I 20883 Brazil 20883
- V** *Jacaranda intricata* A. Gentry & W. Morawetz 20883  
I 20883 Brazil 20883
- R** *Jacaranda irwinii* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Jacaranda macrocarpa* Bureau & K. Schumann 20883  
I 20883 Brazil 20883  
I 20883 Colombia 20883  
I 20883 Peru 20883
- R** *Jacaranda microcalyx* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Jacaranda mimosifolia* D. Don 10747  
R 20074 Argentina 10747  
I 20176 Argentina - Catamarca 20176  
I 20176 Argentina - Jujuy 20176  
I 20176 Argentina - Salta 20176  
R 20074 Bolivia 12379
- V** *Jacaranda montana* Morawetz 20883  
I 20883 Brazil 20883
- R** *Jacaranda morii* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Jacaranda orinocensis* Sandwith 20883  
I 20883 Venezuela 20883
- R** *Jacaranda praetermissa* Sandwith 20883  
I 20883 Brazil 20883
- R** *Jacaranda pulcherrima* Morawetz 20883  
I 20883 Brazil 20883
- R** *Jacaranda racemosa* Chamisso 20883  
I 20883 Brazil 20883
- E** *Jacaranda rugosa* A. Gentry 20883  
I 20883 Brazil 20883
- V** *Jacaranda selleana* Urban 20883  
I 20883 Dominican Republic (Pedernales) 20074  
I 20883 Haiti (Massif de la Selle) 20074
- V** *Jacaranda sparrei* A. Gentry 20883, 18200  
I 20883 Ecuador 20883  
I 12468 Peru 20883
- V** *Jacaranda subalpina* Morawetz 20883  
I 20883 Brazil 20883
- R** *Niedzwezdzia semiretschenskia* B. Fedtsch. 5942  
R 5942 Kazakhstan (south-east) 5942  
R 5942 Uzbekistan 5942
- E** *Paratecoma peroba* (Record & Mell) Kuhlmann 20883, 13928  
E 20883 Brazil 20883  
? Brazil - Bahia 13928  
? Brazil - Rio de Janeiro 13928
- R** *Parmentiera cereifera* Seem. 20883, 10747  
I 20883 Panama 20883
- V** *Parmentiera dressleri* A. Gentry 10747  
V 16317 Panama 10747
- R** *Parmentiera millsbaughiana* L. O. Williams 20883, 9089  
I 20883 Mexico 20883
- E** *Parmentiera morii* A. Gentry 20883, 9089  
V 12472 Panama 20883
- R** *Parmentiera parviflora* Lundell 20883, 9004  
I 20883 Guatemala 20883  
I 20883 Mexico 20883
- V** *Parmentiera stenocarpa* Dugand & L. B. Smith 20883  
I 20883 Colombia 20883
- E** *Parmentiera trunciflora* Standley & L. Williams 20883, 9089  
I 20883 Nicaragua 20883
- E** *Parmentiera valerii* Standley 20883, 9089  
E 12472 Costa Rica 20883
- R** *Pseudocalypa caudiculata* (Standley) A. Gentry 9004  
R 9004 Belize 9004  
R 9004 Guatemala 9004
- R** *Radermachera poilanei* Dop 6057  
R Vietnam 6057
- R** *Radermachera tonkinensis* Dop 6057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Bignoniaceae: *Radermachera*

- R Vietnam 6057
- V *Romeroa verticillata* Dugand 20883  
I 20883 Colombia 20883
- E *Sparattosperma catingae* A. Gentry 20883  
I 20883 Brazil 20883
- R *Spathodeopsis collignonii* Dop 6057  
R Vietnam 6057
- R *Spirotecoma apiculata* (Britton) Alain 20883  
I 20883 Cuba 20883
- R *Spirotecoma holguinensis* (Britton) Alain 20883  
I 20883 Cuba 20883
- R *Spirotecoma rubriflora* (Leonard) Alain 20883  
I 20883 Cuba 20883  
I 20883 Dominican Republic (Barahona, Samaná, El Seibo) 20074  
I 20883 Haiti (Massif du Nord, Massif de la Selle) 20074
- V *Spirotecoma spiralis* (Wright ex Grisebach) Pichon 20883  
I 20883 Cuba 20883
- E *Synapsis ilicifolia* Griseb. 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- E *Tabebuia acunana* Borh. & Muniz 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- V *Tabebuia anafensis* Urban 5607  
V 19105 Cuba (Ciud. Habana; Matanzas) 5607
- V *Tabebuia arianeae* A. Gentry 20883  
I 20883 Brazil 20883
- R *Tabebuia arimaensis* Britton 20883  
I 20883 Cuba 20883
- V *Tabebuia bibracteolata* (Grisebach) Britton 20883  
V 19105 Cuba (Santiago de Cuba) 20883
- R *Tabebuia billbergii* ssp. *ampla* A. Gentry 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- V *Tabebuia botelhensis* A. Gentry 20883  
I 20883 Brazil 20883
- R *Tabebuia brooksiana* Britton 20883  
I 20883 Cuba 20883
- V *Tabebuia buchii* (Urban) Britton 20883  
I 20883 Haiti (north) 20074
- R *Tabebuia bullata* A. Gentry 20883  
I 20883 Dominican Republic (central: Peravia, La Vega & Santiago) 20074
- V *Tabebuia bureavii* Sandwith 20883  
I 20883 Brazil 20883
- V *Tabebuia caleticana* A. Gentry & D. Albert 20883  
I 20883 Cuba 20883
- V *Tabebuia capotei* Borh. 5607  
V 19105 Cuba (Pinar del Rio) 5607
- R *Tabebuia cassinoides* (Lamarck) A. P. de Candolle 20883, 20310  
I 20883 Brazil 20883  
? Brazil - Santa Catarina 20310
- R *Tabebuia catarinensis* A. Gentry 20883  
I 20883 Brazil 20883
- E *Tabebuia clementis* Alain 20883  
I 20883 Cuba 20883
- E *Tabebuia conferta* Urban 20883, 15229
- I 15229 Haiti (Massif de la Hotte) 20074
- R *Tabebuia coralibe* Standley 20883  
I 20883 Colombia 20883
- R *Tabebuia crispiflora* Alain 20883  
I 20883 Cuba 20883  
I 20883 Dominican Republic (south west & central) 20074
- V *Tabebuia cristata* A. Gentry 20883  
I 20883 Brazil 20883
- V *Tabebuia del-riscoi* Borh. 5607  
V 19105 Cuba (Pinar del Rio; Holguin) 5607
- V *Tabebuia domingensis* (Urban) Britton 20883  
I 20883 Dominican Republic (north Barahona peninsula) 20074
- R *Tabebuia dubia* (C. Wright ex Sauvalle) Britton ex Seibert 20883  
I 20883 Cuba 20883
- V *Tabebuia elegans* Urban 20883  
I 20883 Cuba 20883
- E *Tabebuia elongata* Urban 20883  
I 20883 Cuba 20883
- I *Tabebuia furfuracea* Urban 5607  
I 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E *Tabebuia geronensis* Britton 5607  
E 19105 Cuba (Juventud Is.) 5607
- E *Tabebuia glaucescens* Urban 20883  
I 20883 Cuba 20883
- R *Tabebuia haemantha* (Bertol. ex Spreng.) DC. 20883  
I 20883 Puerto Rico 20883
- R *Tabebuia hypoleuca* (Wright ex Sauvalle) Urban 20883  
I 20883 Cuba 20883
- R *Tabebuia inaequipipes* Urban 20883  
I 20883 Cuba 20883
- V *Tabebuia jackiana* Ekman ex Urban 20883, 5607  
I 19105 Cuba (Pinar del Rio) 20883
- I *Tabebuia jojoana* Britton & P. Wilson 5607  
I 19105 Cuba (Guantanamo) 5607
- R *Tabebuia lapacho* (K. Schumann) Sandwith 20883, 20176  
I 20883 Argentina 20883  
E 20176 Argentina - Jujuy 20176  
E 20176 Argentina - Salta 20176  
I 20883 Bolivia 20883
- R *Tabebuia linearis* Alain 20883, 5607  
E 19105 Cuba (Holguin) 20883
- R *Tabebuia maxonii* Urban 20883  
I 20883 Dominican Republic (Samaná Bay) 20074
- R *Tabebuia moaensis* Britton 20883  
I 20883 Cuba 20883
- E *Tabebuia multinervis* Urban & Ekman 20883  
I 20883 Haiti (Massif de la Selle) 20074
- V *Tabebuia ophiolitica* Alain 20883  
I 20883 Dominican Republic (north) 20074
- R *Tabebuia orinocensis* (Sandwith) A. Gentry 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E *Tabebuia paniculata* Leonard 20883  
E 20883 Dominican Republic (Samaná peninsula) 20074
- R *Tabebuia pedicellata* (Bureau & K. Schumann) A. Gentry 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Bignoniaceae: *Tabebuia*

- I 20883 Brazil 20883
- E** *Tabebuia pergracilis* Britton & P. Wilson 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- I** *Tabebuia picotensis* Urban 5607  
I 5607 Cuba 5607
- V** *Tabebuia pinetorum* Britton 20883  
I 20883 Cuba 20883
- R** *Tabebuia platyantha* (Griseb.) Britton 20883  
R 20883 Jamaica 20883
- E** *Tabebuia polyantha* Urban & Ekman 20883  
I 20883 Dominican Republic (north and central Cordilleras) 20074  
I 20883 Haiti (Massif du Nord, Massif de la Hotte) 20074
- E** *Tabebuia polymorpha* Urban 20883  
I 20883 Cuba 20883
- V** *Tabebuia pulverulenta* Urban 20883, 5607  
I 19105 Cuba (Santiago de Cuba; Holguin) 20883
- R** *Tabebuia pumila* A. Gentry 20883  
I 20883 Brazil 20883
- V** *Tabebuia reticulata* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Tabebuia revoluta* (Urban) Britton 20883  
I 20883 Dominican Republic (Jarabacoa) 20074
- R** *Tabebuia rigida* Urban 20883  
I 20883 Puerto Rico 20883
- V** *Tabebuia riodecensis* A. Gentry 20883  
I 20883 Brazil 20883
- V** *Tabebuia sauvallei* Britton 20883  
I 20883 Cuba 20883
- E** *Tabebuia saxicola* Britton 5607  
E 19105 Cuba (Villa Clara) 5607
- R** *Tabebuia schumanniana* Urban 20883  
I 20883 Puerto Rico 20883
- E** *Tabebuia selachidentata* A. Gentry 20883  
I 20883 Brazil 20883
- R** *Tabebuia shuferi* Britton 20883  
I 20883 Cuba 20883
- R** *Tabebuia striata* A. Gentry 20883, 9006  
R 12472 Panama 20883  
R 12472 Colombia 20883
- R** *Tabebuia vinosa* A. Gentry 20883  
I 20883 Dominican Republic (Cordillera Central) 20074
- E** *Tabebuia zanonii* A. Gentry 20883  
I 20883 Dominican Republic (Los Haitises) 20074
- V** *Tabebuia zolyomiana* Borh. 5607  
V 19105 Cuba (Holguin) 5607
- R** *Tecoma cochabambensis* (Herzog) Sandwith 20883  
I 20883 Bolivia 20883
- R** *Tecoma fulva* (Cavanilles) D. Don 20883  
I 20883 Chile 20883  
I 20883 Peru 20883
- R** *Tecoma guarume* A. de Candolle 20883  
I 20883 Peru 20883
- E** *Tecoma tanaeciflora* (Kränzlin) Sandwith 20883  
I 20883 Bolivia 20883  
I 20883 Peru 20883
- R** *Tecoma weberbaueriana* (Kränzlin) Melchior 20883.

- 18200
- I** 20883 Ecuador 20883  
**R** 12468 Peru 20883
- R** *Tecomnanthe hillii* (F. Muell.) Steenis 20681  
R 20681 Australia - Queensland 20681
- E** *Tecomnanthe speciosa* W. Oliver 86  
E 13378 New Zealand - North Is. (Three Kings Is.) 13378
- R** *Tynnanthus croatianus* A. Gentry 9006  
R 12472 Panama 9006  
R 12472 Colombia 12472
- R** *Tynnanthus macranthus* L.O. Williams 9037  
R 9426 Costa Rica 9037  
V 12472 Panama 10747

**Bombacaceae**

Number of genera: 20-30  
Number of species: 200  
Recorded threatened species: 24 (12%)

Tropical, especially Central and South America.

- R** *Adansonia za* Baillon 10368  
R Madagascar
- I** *Bombax insigne* Wall. var. *polystemon*  
Prain 7771  
I 14782 India - Nicobar Is. 7771
- V** *Ceiba glaziovii* (Kuntze) Schum. 11597  
V 11597 Brazil 11597
- Ceiba insignis* (Kunth) Gibbs & Semir 16401  
I 16401 Panama 9006
- V** *Ceiba jasminodora* (St. Hil.) Schum. 11597  
V 11597 Brazil 11597
- E** *Ceiba pubiflora* var. *glabriflora*  
Hassler 20883  
E 20883 Paraguay 20883
- E** *Ceiba rosea* (Seem.) Schum. 20883  
I 20883 Panama 20883
- R** *Ceiba trischistandra* (Gray) Bakh. 11597  
V Ecuador 11597  
R 19962 Peru 11597
- R** *Cullenia ceylanica* (Gardner) Schumann 8021  
R 12838 Sri Lanka 8021
- R** *Cullenia rosayroana* Kosterm. 8021  
R 12838 Sri Lanka 8021
- E** *Durio macrantha* Kosterm. 15943  
E 15943 Indonesia - Sumatra (north) 15943
- R** *Eriotheca gracilipes* (K. Schum.) 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
V 20883 Paraguay 20883
- E** *Gyranthera darienensis* Pitt. 20883, 9006  
V 19577 Panama 20883
- E** *Matisia exalata* Alverson 20883  
I 20883 Panama 20883
- E** *Pseudobombax argentinum* (Fries) Robyns 21056  
E 16336 Argentina 16336  
E 20176 Argentina - Jujuy 20176  
E 20176 Argentina - Salta 20176  
Bolivia 21056  
Brazil - Sao Paulo 21056  
Paraguay 21056
- R** *Pseudobombax marginatum* (St. Hil.) A. Robyns 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Bombacaceae: *Pseudobombax*

- I 20883 Bolivia 20883  
 I 20883 Brazil 20883  
 V 20883 Paraguay 20883  
 I 20883 Peru 20883
- R *Pseudobombax tomentosum* (Mart. & Zucc.) A. Robyns 20883  
 I 20883 Bolivia 20883  
 I 20883 Brazil 20883  
 R 20883 Paraguay 20883
- E *Quararibea aurantiocalyx* Alverson 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- V *Quararibea costaricensis* Alverson 20883  
 V 20883 Costa Rica 20883
- E *Quararibea dolichopoda* A. Robyns 20883, 9092  
 I 20883 Panama 20883
- E *Quararibea gomeziana* Alverson 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- E *Quararibea pendula* Alverson 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- E *Quararibea santaritensis* Alverson 20883  
 I 20883 Panama 20883
- I *Spirotheca rhodostyla* Cuatrec. 19353  
 I 19353 Colombia 19353

**Boraginaceae**

Number of genera: 100  
 Number of species: 2,000  
 Recorded threatened species: 378 (18%)

Cosmopolitan, especially western North America and Mediterranean region; east into Asia.

- I *Alkanna amana* Rech. f. 12840  
 I 12840 Turkey 12840
- I *Alkanna areolata* Boiss. var. *areolata* 12840  
 I 12840 Turkey 12840
- I *Alkanna areolata* Boiss. var. *sublaevis* Huber-Mor. 12840  
 I 12840 Turkey 12840
- R *Alkanna attilae* Davis 12840  
 R 12840 Turkey 12840
- R *Alkanna aucherana* A. DC 12840  
 R 12840 Turkey 12840
- R *Alkanna calliensis* Heldr. ex Boiss. 20171  
 R Greece
- R *Alkanna cappadocica* Boiss. & Bal. 12840  
 R 12840 Turkey 12840
- R *Alkanna froedinii* Rech. f. 12840  
 R 12840 Turkey 12840
- I *Alkanna haussknechtii* Bornm. 12840  
 I 12840 Turkey 12840
- R *Alkanna hispida* Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Alkanna incana* Boiss. 12840  
 R 12840 Turkey 12840
- V *Alkanna macrophylla* Boiss. & Heldr. 12840  
 V 12840 Turkey 12840
- V *Alkanna macrosiphon* Boiss. & Heldr. 12840  
 V 12840 Turkey 12840
- I *Alkanna methanaea* Hausskn. 20171  
 I Greece
- R *Alkanna noneiformis* Griseb. 20171  
 R (former) Yugoslavia
- R *Alkanna oreodoxa* Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Alkanna orientalis* (L.) Boiss var. *leucantha* (Bornm.) Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Alkanna pamphylica* Huber-Mor. & Reese 12840  
 R 12840 Turkey 12840
- R *Alkanna pelia* (Halácsy) Rech.f. 20171  
 R Greece
- R *Alkanna phrygia* Bornm. 12840  
 R 12840 Turkey 12840
- V *Alkanna pinardii* Boiss. 12840  
 V 12840 Turkey 12840
- R *Alkanna primulifolia* Griseb.  
 R Bulgaria  
 R Greece
- R *Alkanna pulmonaria* Griseb. 20171  
 R (former) Yugoslavia
- R *Alkanna punctulata* Huber-Mor. 12840  
 R 12840 Turkey 12840
- I *Alkanna sartoriana* Boiss. & Heldr. 20171  
 I Greece
- R *Alkanna saxicola* Huber-Mor. 12840  
 R 12840 Turkey 12840
- I *Alkanna shattuckia* (Post) Post 12840  
 I 12840 Turkey 12840
- R *Alkanna sieberi* DC. 20171  
 R 20730 Greece - Crete 19121
- R *Alkanna sieheana* Rech. f. 12840  
 R 12840 Turkey 12840
- R *Alkanna stribriyi* Velen. 5204, 20171  
 V 19426 Bulgaria (south) 5204  
 R (former) Yugoslavia
- R *Alkanna verecunda* Huber-Mor. 12840  
 R 12840 Turkey 12840
- I *Alkanna viscidula* Boiss. 12840  
 I 12840 Turkey 12840
- V *Amsinckia carinata* A. Nels. & J.F. Macbr. 20850  
 V 20850 U.S. - Oregon 20850
- R *Amsinckia furcata* Suksdorf 20850  
 R 20850 U.S. - California 20850
- E *Amsinckia grandiflora* (Kleeb. ex Gray) Kleeb. ex Greene 20850  
 E 20850 U.S. - California (SW San Joaquin Valley) 20850
- R *Anchusa cespitosa* Lam. 20171  
 R 20730 Greece - Crete 19121
- V *Anchusa crispa* Viv. 8000, 20171  
 E 15080 France - Corsica 12844  
 V 18264 Italy - Sardinia (northern Sardegna) 8001
- R *Anchusa macrosyrinx* Rech.f. 20171  
 R Greece
- R *Anchusa phocidica* L.-A. Gustavsson  
 R Greece

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Anchusa*

- R** *Anchusa rechingeri* Riedl  
R Greece
- R** *Anchusa sartorii* Heldr. ex Gusul. 20171  
R Greece
- R** *Anchusa serpentinicola* Rech.f. 20171  
R Greece  
R (former) Yugoslavia
- I** *Anchusa spruneri* Boiss. 20171  
I Greece
- R** *Anchusa subglabra* Caball. 20171  
R Spain
- E** *Arnebia benthamii* Benth. 14768  
E India - Jammu & Kashmir 14768
- R** *Arnebia purpurea* Erik & Sumbul 12840  
R 12840 Turkey 12840
- I** *Borago longifolia* Poiret  
V Algeria  
I Tunisia
- R** *Bourreria baccata* Raf. 20883  
R 20883 Jamaica 20883
- R** *Bourreria mollis* Standley 9004  
R 11181 Belize 9004  
R 11181 Guatemala 11181  
R 11181 Honduras 11181  
R 11181 Mexico 11181  
R 11181 Nicaragua 11181
- Bourreria panamensis* I.M. Johnst. 20883  
I 20883 Panama 20883
- V** *Bourreria radula* (Poir.) G. Don 20883, 19002  
E 20850 U.S. - Florida 20850  
I 20883 Puerto Rico 20883
- R** *Bourreria rekoii* Standley 11183  
R 11181 Mexico 11183
- E** *Bourreria rubra* E. J. Lott & J. S. Miller 20883, 11181  
R 11181 Mexico 20883
- R** *Bourreria superba* I.M. Johnston 11181  
R 11181 Mexico 11181
- V** *Bourreria velutina* (DC.) Gurke 20883, 13336  
V 19890 Jamaica (St. Catherine) 20883
- I** *Brunnera sibirica* Steven 5942  
I 5942 Russia (Siberia) - Altai 5942
- R** *Buglossoides gastonii* (Benth.) I.M. Johnston. 20171  
V France  
R Spain
- I** *Buglossoides glandulosa* (Velen.) R.Fern. 5204, 20171  
V 19426 Bulgaria (south) 5204  
I 19417 Romania 19417
- I** *Coldenia procumbens* L. var. *aristata* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- E** *Cordia acunae* (Mold.) Alain 5607  
E 19105 Cuba (Holguin) 5607
- R** *Cordia anisophylla* J.S. Miller 13866  
R 11181 Panama 13866
- V** *Cordia bellonis* Urban 20883  
I 20883 Puerto Rico 20883
- V** *Cordia borinquensis* Urban 20883  
I 20883 Puerto Rico 20883
- R** *Cordia clarendonensis* (Britton) Stearn 20883, 13336  
R 13336 Jamaica (Clarendon, Trelawny) 20883
- R** *Cordia colimensis* I.M. Johnston 11181  
R 11181 Mexico 11181
- V** *Cordia corallicola* Urban 5607  
V 19105 Cuba (Granma) 5607
- R** *Cordia cordiformis* I.M. Johnston 11181  
R 11181 Guatemala 11181  
R 11181 Mexico - Chiapas 11181  
? Mexico - Colima 21204
- R** *Cordia correae* J.S. Miller 11675  
R 11181 Panama 11675
- R** *Cordia croatii* J.S. Miller 11675  
R 11181 Costa Rica 11675  
R 11181 Panama 11675
- V** *Cordia decandra* Hook. & Arn. 15088  
V 13875 Chile 13875
- R** *Cordia dumosa* Alain 5607  
R 19105 Cuba (Las Tunas, Guantanamo) 5607
- R** *Cordia elliptica* Sw. 20883  
R 20883 Jamaica 20883
- R** *Cordia globulifera* I.M. Johnston 11181  
R 11181 Mexico 11181
- R** *Cordia guerikiana* Loes. 11183  
R 11181 Mexico - Oaxaca 11183
- E** *Cordia harrisii* Urb. 20883, 13336  
E 20883 Jamaica (Trelawny, Hanover) 20883
- V** *Cordia iberica* Urban 5607  
V 19105 Cuba (Guantanamo) 5607
- R** *Cordia igualensis* Bartlett 11183  
R 11181 Mexico - Guerrero 11183
- V** *Cordia intricata* C. Wright 5607  
V 19105 Cuba (Sancti Spiritus) 5607
- E** *Cordia lasiocalyx* Pitt. 20883, 9006  
I 20883 Panama 20883
- I** *Cordia lauta* I.M. Johnston 11183  
I 11181 Mexico 11183
- E** *Cordia leslieae* J.S. Miller 11675  
E 11181 Panama 11675
- R** *Cordia liesneri* J.S. Miller 13866  
R 11181 Costa Rica 13866
- E** *Cordia macvaughii* James S. Miller 20883, 11181  
R 11181 Mexico 20883
- I** *Cordia marchionica* Drake  
I French Polynesia - Marquesas Is
- R** *Cordia obovata* Balf. f. 20884  
R 20884 Oman 20884  
R 20884 Yemen - Socotra 20884  
R 20884 Somalia (north-east) 20884
- I** *Cordia octandra* A. DC.  
I India - Kerala (Travancore Hills)
- E** *Cordia rupicola* Urban 20883, 15106  
I 20883 Puerto Rico 20883  
I 20883 British Virgin Is. (Anegada) 20883
- R** *Cordia scouleri* Hook.f. 11117  
R Ecuador - Galapagos 11117
- I** *Cordia skutchii* I.M. Johnston 9004  
I 11181 Guatemala 9004
- R** *Cordia suckertii* Chiov. 20884  
R 20884 Ethiopia 20884

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Cordia*

- R 20884 Somalia (central) 20884
- V *Cordia suffruticosa* Borh. 5607  
V 19105 Cuba (Holguin) 5607
- R *Cordia tacarcunensis* J.S. Miller 11675  
R 11181 Panama 11675
- R *Cordia tinifolia* Willd. ex Roemer & Schultes 11183  
R 11181 Mexico - Guerrero 11183
- V *Cordia troyana* Urb. 20883, 13336  
V 20883 Jamaica 20883
- E *Cordia van-hermannii* Alain 5607  
E 19105 Cuba (Holguin) 5607
- E *Cordia wagnerorum* Howard 20883, 8058  
V 19002 Puerto Rico 20883
- V *Cryptantha abata* I.M. Johnston 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha atwoodii* Higgins 20850  
R 20850 U.S. - Arizona 20850
- V *Cryptantha barnebyi* I.M. Johnston 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha caespitosa* (A. Nels.) Payson 20850  
V 20850 U.S. - Colorado 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- V *Cryptantha cinerea* Higgins & Welsh var. *arenicola*  
Higgins & Welsh 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- V *Cryptantha clevelandii* Greene 20850  
I 20850 U.S. - California 20850
- E *Cryptantha clevelandii* Greene var. *dissita* (I.M. Johnston) Jepson & Hoover 20850  
E 20850 U.S. - California 20850
- V *Cryptantha compacta* Higgins 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha corollata* (I.M. Johnston) I.M. Johnston 20850  
I 20850 U.S. - California 20850
- E *Cryptantha crassipes* I.M. Johnston 20850  
E 20850 U.S. - Texas 20850
- V *Cryptantha creutzfeldtii* Welsh 20850  
V 20850 U.S. - Utah 20850
- E *Cryptantha crinita* Greene 20850  
E 20850 U.S. - California 20850
- R *Cryptantha dumetorum* (Greene ex Gray) Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R *Cryptantha elata* (Eastw.) Payson 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- V *Cryptantha ganderi* I.M. Johnston 20883, 20850, 8058  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850  
20883 Mexico 20883
- R *Cryptantha glomeriflora* Greene 20850  
I 20850 U.S. - California 20850
- R *Cryptantha grahamii* I.M. Johnston 20850
- R 20850 U.S. - Utah 20850
- R *Cryptantha hoffmannii* I.M. Johnston 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Cryptantha inaequata* I.M. Johnston 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V *Cryptantha incana* Greene 20850  
I 20850 U.S. - California 20850
- Ex/E *Cryptantha insolita* (J.F. Macbr.) Payson 20850, 14662  
Ex/E 20850 U.S. - Nevada 20850
- E *Cryptantha johnstonii* Higgins 20850  
E 20850 U.S. - Utah 20850
- V *Cryptantha jonesiana* (Payson) Payson 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha leiocarpa* (Fisch. & C.A. Mey.) Greene 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Cryptantha leucophaea* (Dougl. ex Lehm.) Payson 20850  
I 20850 Canada - British Columbia 20850  
Ex/E 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- R *Cryptantha longiflora* (A. Nels.) Payson 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha mensana* (M.E. Jones) Payson 20850  
E 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- R *Cryptantha microstachys* (Greene ex Gray) Greene 20850  
I 20850 U.S. - California 20850
- R *Cryptantha milo-bakeri* I.M. Johnston 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Cryptantha mohavensis* (Greene) Greene 20850  
I 20850 U.S. - California 20850
- R *Cryptantha muricata* (Hook. & Arn.) A. Nels. & J.F. Macbr. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E *Cryptantha muricata* (Hook. & Arn.) A.Nels. & J.F.Macbr. var. *clokeyi* (I.M. Johnston) 20850  
? 20850 U.S. - California 20850
- R *Cryptantha nemaclada* Greene 20850  
I 20850 U.S. - California 20850
- R *Cryptantha nubigena* (Greene) Payson 20850  
Ex/E 20850 Canada - British Columbia 20850  
I 20850 U.S. - California 20850
- E *Cryptantha ochroleuca* Higgins 20850  
E 20850 U.S. - Utah 20850
- R *Cryptantha osterhoutii* (Payson) Payson 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R *Cryptantha oxygona* (Gray) Greene 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Cryptantha*

- R** *Cryptantha paradoxa* (A. Nels.) Payson 20850  
**I** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Utah 20850
- R** *Cryptantha paysonii* (J.F. Macbr.) I.M. Johnston 20850  
**R** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850
- V** *Cryptantha roosiorum* Munz 20850  
**V** 20850 U.S. - California 20850
- R** *Cryptantha salmonensis* (A. Nels. & J.F. Macbr.) Payson 20850  
**R** 20850 U.S. - Idaho 20850
- E** *Cryptantha schoolcraftii* Tiehm 20850  
**R** 20850 U.S. - Nevada 20850
- R** *Cryptantha scoparia* A. Nels. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Utah 20850  
**I** 20850 U.S. - Washington 20850  
**E** 20850 U.S. - Wyoming 20850
- V** *Cryptantha semiglabra* Barneby 20850  
**V** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850
- R** *Cryptantha similis* Mathew & Raven 20850  
**I** 20850 U.S. - California 20850
- R** *Cryptantha sobolifera* Payson 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Idaho 20850  
**V** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Cryptantha sparsiflora* (Greene) Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Cryptantha stricta* (Osterhout) Payson 20850  
**I** 20850 U.S. - Colorado 20850  
**R** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- E** *Cryptantha subcapitata* Dorn & Lichvar 20850  
**E** 20850 U.S. - Wyoming 20850
- V** *Cryptantha traskiae* I.M. Johnston 20850  
**V** 20850 U.S. - California 20850
- E** *Cryptantha welschii* Thorne & Higgins 20850  
**R** 20850 U.S. - Nevada 20850
- R** *Cynoglossum borbonicum* Bory 10082  
**R** 10082 Réunion 10082  
**Ex** 20771 Mauritius 10082
- R** *Cynoglossum spacioticum* Boiss. & Heldr. 20171  
**R** 20730 Greece - Crete 20730
- V** *Cynoglossum troodi* Lindb.f. 14230  
**V** 19164 Cyprus (Troodos) 14230
- V** *Dasynotus daubenmirei* I.M. Johnston 20850  
**V** 20850 U.S. - Idaho 20850
- V** *Echiostachys spicatus* (Burm.f.) Levyns 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Echium acanthocarpum* Svent. 15358  
**V** 20750 Spain - Canary Is. 19174
- E** *Echium auberianum* Webb & Berthel. 17530  
**E** 15105 Spain - Canary Is. 15105
- V** *Echium bethencourtii* Santos 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Echium callithyrsum* Webb ex Bolle 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Echium cantabricum* (Lainz) Fernandez Casas & Lainz 11496  
**V** 11496 Spain 11496
- R** *Echium canum* Emberger & Maire  
**R** Morocco
- V** *Echium decaisnei* Webb ssp. *purpuricense* Bramwell  
**V** Spain - Canary Is. 5314
- V** *Echium gentianoides* Webb ex Coincy 14166  
**V** 20750 Spain - Canary Is. 15105
- V** *Echium giganteum* L.f. 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Echium handiense* Svent. 15105  
**V** 20750 Spain - Canary Is. 15105
- V** *Echium hierrense* Webb ex Bolle 15105  
**V** 20750 Spain - Canary Is. 15105
- V** *Echium leucophaeum* Webb ex Sprague & Hutch. 15105  
**V** 20750 Spain - Canary Is. 15105
- V** *Echium onosmifolium* Webb ssp. *spectabile* Kunkel  
**V** Spain - Canary Is.
- V** *Echium pininana* Webb & Berthel. 15105  
**V** 20750 Spain - Canary Is. 15105
- E** *Echium saetabense* Peris, Figuerola & Stübing 20692  
**E** 20692 Spain (near Ayora, Valencia province) 20692
- R** *Echium scaettae* Pampan.  
**R** Libya
- V** *Echium simplex* DC. 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Echium strictum* L.f. ssp. *exasperatum* (Webb ex Coincy) Bram.  
**V** Spain - Canary Is.
- R** *Echium strictum* L.f. ssp. *gomeracum* (Svent.) Bram.  
**R** Spain - Canary Is.
- V** *Echium sventenii* D. Bramwell 15105  
**V** 20750 Spain - Canary Is. 15105
- V** *Echium triste* Svent. ssp. *nivariense* (Svent.) Bram.  
**V** Spain - Canary Is.
- V** *Echium triste* Svent. ssp. *triste* 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Echium virescens* DC. 15105  
**R** 15105 Spain - Canary Is. 15105
- R** *Echium webbii* Coincy 15105  
**R** 15105 Spain - Canary Is. 15105
- R** *Echium wildpretii* H. Pearson ex Hook.f. 17530  
**R** 20750 Spain - Canary Is. 15105
- V** *Echium wildpretii* H. Pearson ex Hook.f. ssp. *trichosiphon* (Svent.) Bram. 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Ehretia glandulosissima* Verdc. 20556  
**V** 20885 Tanzania (Lindi Region) 20556
- R** *Ehretia grahamii* Randell 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Ehretia*

- R 20681 Australia - Queensland 20681
- I *Ehretia wightiana* Wallich ex G. Don  
I India - Tamil Nadu (Tirunelveli District)
- I *Eritrichium nanum* (L.) Schrad. ex Gaudin ssp. *jankae* 17823, 20171  
I 17823 Czech Republic 17823  
I 17823 Slovakia 17823
- E *Gyrocarum oppositifolium* Valdés 19818  
E 19818 Spain (Sierra Norte de Sevilla) 19818
- V *Hackelia brevicula* (Jepson) J.L. Gentry 20850  
V 20850 U.S. - California 20850
- R *Hackelia ciliata* (Dougl. ex Lehmann) I.M. Johnston 20850, 14430  
I 20850 Canada - Alberta 20850  
E 20850 Canada - British Columbia 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Washington 20850
- V *Hackelia cronquistii* J.L. Gentry 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Oregon 20850
- R *Hackelia davisii* Cronq. 20850  
R 20850 U.S. - Idaho 20850
- V *Hackelia diffusa* (Dougl. ex Lehmann) I.M. Johnston var. *diffusa* 20850, 14430  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - Idaho 20850  
V 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- V *Hackelia gracilentia* (Eastw.) I.M. Johnston 20850  
V 20850 U.S. - Colorado 20850
- R *Hackelia hispida* R.L. Carr var. *disjuncta* R.L. Carr 20850  
R 20850 U.S. - Washington 20850
- E *Hackelia ibapensis* L. & J. Shultz 20850  
E 20850 U.S. - Utah 20850
- R *Hackelia ophiobia* R.L. Carr 20850  
V 20850 U.S. - Idaho 20850  
V 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850
- V *Hackelia patens* J.L. Gentry var. *harrisonii* J.L. Gentry 20850  
V 20850 U.S. - Utah 20850
- E *Hackelia venusta* (Piper) St. John 20850  
E 20850 U.S. - Washington 20850
- R *Halacsya sendtneri* (Boiss.) Dörfel. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Harpagonella palmeri* Gray var. *palmeri* 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - California 20850
- V *Heliotropium anderssonii* Robinson 11117  
V Ecuador - Galapagos (Santa Cruz) 11117
- R *Heliotropium anomalum* Hook. & Arn. 20850  
I 20850 U.S. - Hawaii 20850
- I *Heliotropium bacciferum* Forsk. var. *suberosum* (Clark) Bhandari 7771  
I India - Gujarat (Kutch, north-east Rajasthan) 7771  
I Pakistan (Sind) 7771
- V *Heliotropium dentatum* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- V *Heliotropium ferreyrae* I.M. Johnston 18200  
V 9446 Peru 18200
- I *Heliotropium ferrugineogriseum* Nab. 12840  
I 12840 Turkey 12840
- V *Heliotropium guanicense* Urban 20883, 8058  
I 20883 Puerto Rico 20883
- R *Heliotropium haussknechtii* Bunge 12840  
R 12840 Turkey 12840
- V *Heliotropium marchionicum* Decne. 20845  
V 20845 French Polynesia - Marquesas Is (Eiao, Nuku Hiva) 20845
- R *Heliotropium myriophyllum* Urban 5607  
R 19105 Cuba (Camaguey) 5607
- R *Heliotropium odorum* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- Ex *Heliotropium pannifolium* Burchell ex Hemsley 18996  
Ex 18996 St Helena 18996
- V *Heliotropium pilosum* Ruiz Lopez & Pavon 18200  
V 9446 Peru 18200
- R *Heliotropium serpylloides* Griseb. 5607  
R 19105 Cuba (SC: Gu) 5607
- R *Lappula echinophora* (Pall.) Kuntze 20171  
R former European USSR
- R *Lappula glabrata* Popov  
R former USSR 6930
- R *Lepidocordia williamsii* (I.M. Johnston) J.S. Müller 16826  
R 16826 Nicaragua 16826
- Ex *Lindelofia angustifolia* (Schrenk) A. Brand. 6930  
Ex 6930 former USSR 6930
- E *Lithodora nitida* (Ern) R. Fern. 8000, 20171  
E 19174 Spain (Sierra Magina) 11496
- R *Lithodora zahnii* (Heldr. ex Halácsy) I.M. Johnston. 20171  
R Greece
- V *Lithospermum confine* I.M. Johnston 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- R *Lithospermum gouldianorum* Rech.f.  
R Greece
- E *Lobostemon bolusii* Levyns 20604  
E 20604 South Africa - Cape Province 20604
- V *Lobostemon capitatus* (L.) H. Buek 20604  
V 20604 South Africa - Cape Province 20604
- R *Lobostemon collinus* Schltr. ex C.H. Wright 20604  
R 20604 South Africa - Cape Province 20604
- V *Lobostemon hottentoticus* Levyns 20604  
V 20604 South Africa - Cape Province 20604
- R *Lobostemon regulareflorus* (Ker Gawl.) Buys 20604  
R 20604 South Africa - Cape Province 20604
- E *Macromeria alba* Nesom 20883  
E 20883 Mexico 20883
- R *Mattiastrum lithospermifolium* (Lam.) Brand 20171  
R Greece
- V *Mertensia cusickii* Piper 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Idaho 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Mertensia*

- V 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- V *Mertensia drummondii* (Lehm.) G. Don 20850, 6796, 21309  
E 20850 Canada - Franklin 20850  
I 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- R *Mertensia macdougallii* Heller 20850  
I 20850 U.S. - Arizona 20850
- R *Mertensia paniculata* (Ait.) G. Don var. *eastwoodiae* (J.F. Macbr.) Hulten 20850  
I 20850 Canada - Mackenzie 20850  
R 20850 U.S. - Alaska 20850
- V *Mertensia platyphylla* Heller 20850  
I 20850 Canada - British Columbia 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Mertensia pterocarpa* (Turcz.) Tatem. & Ohwi 10573  
R 10573 Japan 10573
- R *Moltkia doerfleri* Wettst. 20178, 20171  
R 20178 Albania 20178
- R *Moltkia suffruticosa* (L.) Brand 18264, 20171  
R 18264 Italy (Veneto, Tuscany) 18264
- R *Myosotidium hortensia* (Decne.) Baillon 86  
R 19305 New Zealand - Chatham Is. 19106
- E *Myosotis albo-sericea* Hook.f. 86  
E 19305 New Zealand - South Is. 19305
- R *Myosotis amabilis* Cheeseman  
R New Zealand - North Is.
- R *Myosotis ambigens* (Bég.) Grau 20171  
R Italy
- R *Myosotis azorica* H.C.Watson 8000, 20171  
R Portugal - Azores 8000
- V *Myosotis colensoi* (Kirk) J.F. Macbr. 86  
V 19305 New Zealand - South Is. 19305
- R *Myosotis concinna* Cheeseman 19305  
R 19305 New Zealand - South Is. 19305
- I *Myosotis czekanowskii* (Trautv.) Kamelin & V. Tikhom. 5942  
I 5942 Russia (Siberia) - Yakutiya (north) 5942
- R *Myosotis gallica* Vestergr. 20171  
R France (south-east)
- R *Myosotis laeta* Cheeseman 19305  
R 19305 New Zealand - South Is. 19305
- V *Myosotis lusitanica* R.Schust. 8000, 20171  
V 20076 Portugal 8000
- R *Myosotis macrosiphon* Font Quer & Maire  
R Morocco
- R *Myosotis matthewsii* L. Moore 19305  
R 19305 New Zealand - North Is. 19305
- V *Myosotis oreophila* Petrie 19305  
V 19305 New Zealand - South Is. 19305
- Ex *Myosotis petiolata* Hook.f. var. *pottsiana* L. Moore  
Ex New Zealand - North Is.
- R *Myosotis platyphylla* Boiss. 12840  
R 12840 Turkey 12840
- E *Myosotis rehsteineri* Wartm. 14229, 20171  
E Austria  
E 20640 Germany 20644
- E 18264 Italy (Piedmont, Lombardy) 19997  
E 14229 Liechtenstein 14229  
E 18154 Switzerland 18154
- E *Myosotis retusifolia* R. Afonso 20076  
E 20076 Portugal 20076
- E *Myosotis ruscinonensis* Rouy 14166, 20171  
E 14188 France (south) 14188
- E *Myosotis solange* Greuter & Zaffan 19121  
E 20730 Greece - Crete 20730
- R *Myosotis transsylvanica* Porcius 8000, 20171  
R 19607 Romania 8000
- Ex *Myosotis traversii* Hook.f. var. *cinerascens* (Petrie) L. Moore 19305  
Ex 19305 New Zealand - South Is. 19305
- E *Nesocaryum stylosum* (Philippi) I.M. Johnston 5595  
E 19534 Chile - Islas Desventuradas 5595
- R *Nomosa rosei* I.M. Johnston 11181  
R 11181 Mexico - Durango 11181
- I *Nonea anomala* Hausskn. & Bornm. 12840  
I 12840 Turkey 12840
- I *Nonea karsensis* M. Popov 12840  
I 12840 Turkey 12840
- R *Nonea pulmonarioides* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Nonea vivianii* A. DC. 10270  
R Egypt (W.Med. coast) 10269  
R Libya 10270
- R *Omphalodes brassicifolia* (Lag.) Sweet 20171  
R 20660 Spain (Cádiz, Málaga) 20661
- R *Omphalodes chiangii* Higgins 9094  
R 9094 Mexico - Coahuila 9094
- I *Omphalodes commutata* G. Lopez 20660  
I 20660 Spain (Cádiz, Málaga) 20661
- R *Omphalodes davisana* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Omphalodes laevisperma* Nakai 10573  
R 10573 Japan 10573
- V *Omphalodes littoralis* Lehm. 20171  
V 20528 France (west coast) 20528
- E *Omphalodes littoralis* Lehm. ssp. *gallaecica* M. Lainz 10270  
E 20874 Spain (north-west) 10270
- R *Omphalodes pavoniana* Boiss. 20171  
R Spain
- V *Omphalodes prolifera* Ohwi 10573  
V 10573 Japan 10573
- R *Omphalodes ripleiana* Davis 12840  
R 12840 Turkey 12840
- Ex *Onosma affine* Hausskn. ex H. Riedl 12840  
Ex 12840 Turkey 12840
- R *Onosma angustissimum* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840
- R *Onosma arcuatum* H. Riedl 12840  
R 12840 Turkey 12840
- R *Onosma argentatum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onosma bozakmanii* H. Riedl 12840  
R 12840 Turkey 12840
- R *Onosma briquetii* Czeec. 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Onosma*

- R 12840 Turkey 12840
- R *Onosma bubanii* Stroh 20171  
R Spain
- R *Onosma caespitosum* Kotschy 14230  
R 19164 Cyprus (Northern Range) 14230
- R *Onosma cappadocicum* Siehe ex H. Riedl 12840  
R 12840 Turkey 12840
- R *Onosma cyrenaicum* E. Dur. & G. Barratte  
R Libya
- R *Onosma davisii* H. Reidl 12840  
R 12840 Turkey 12840
- Ex *Onosma discedens* Hausskn. ex Bornm. 12840  
Ex 12840 Turkey 12840
- V *Onosma elegantissima* Rech.f. & Goulimy 20171  
V 19121 Greece - Crete 19121
- R *Onosma euboica* Rech.f. 20171  
R Greece
- R *Onosma fastigiata* (Braun-Blanq.) Braun-Blanq. ex Lacaïta 8000, 20171  
R France (south) 8000  
R Italy (north-west) 8000
- E *Onosma fastigiata* (Br.-Bl.) Lacaïta ssp. *atlantica*  
Br.-Bl. ex Kerguelen 20528, 20528  
E 20528 France (west) 20528
- V *Onosma halophilum* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R *Onosma helleri* Greuter & Burdet 12840  
R 12840 Turkey 12840
- R *Onosma intertextum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onosma leptantha* Heldr. 20171  
R Greece
- I *Onosma linearilobum* Hausskn. ex H. Riedl 12840  
I 12840 Turkey 12840
- R *Onosma liparioides* DC. 12840  
R 12840 Turkey 12840
- R *Onosma lycanicum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onosma neglectum* H. Reidl 12840  
R 12840 Turkey 12840
- R *Onosma nigricaula* H. Riedl 12840  
R 12840 Turkey 12840
- R *Onosma obtusifolium* Hausskn. & Sint. ex Bornm. 12840  
R 12840 Turkey 12840
- I *Onosma papillosum* H. Riedl. 12840  
I 12840 Turkey 12840
- R *Onosma polyanthum* DC. 12840  
R 12840 Turkey 12840
- I *Onosma polyphylla* Ledeb. 5942, 20171  
I 5942 Russia - North Caucasus (north) 5942  
I 5942 Ukraine - Crimea 5942
- R *Onosma proballantherum* Rech.f. 12840  
R 12840 Turkey 12840
- E *Onosma proponticum* Aznav. 12840  
E 12840 Turkey 12840
- V *Onosma psammophila* Rech.f. & Riedl  
V Greece
- E *Onosma pseudarenaria* Schur 8000, 20171  
E 8000 Romania 8000
- R *Onosma pseudoarenaria* Schur ssp. *delphinensis*  
(Br.-Bl.) P. Fourn. 20528  
R 20528 Italy 20528
- R *Onosma pulchrum* H. Riedl 12840  
R 12840 Turkey 12840
- R *Onosma rhodopea* Velen.  
I Bulgaria  
R Greece
- R *Onosma rutilum* Huber- Mor. 12840  
R 12840 Turkey 12840
- R *Onosma sieheanum* Hayek 12840  
R 12840 Turkey 12840
- R *Onosma sintenisii* Hausskn. ex Bornm. 12840  
R 12840 Turkey 12840
- R *Onosma sorgeri* Teppner var. *sorgeri* 12840  
R 12840 Turkey 12840
- R *Onosma strigosissimum* Boiss. 12840  
R 12840 Turkey 12840
- R *Onosma subulifolium* Riedl 12840  
R 12840 Turkey 12840
- I *Onosma taygetea* Boiss. & Heldr. 20171  
I Greece
- I *Onosma tornensis* Jáv. 8000, 20171  
E 19710 Hungary (north) 6951  
I 19710 Slovakia (south-east) 6951
- R *Onosma troodi* Kotschy 14230  
R 19164 Cyprus (Troodos) 14230
- I *Onosma tschichatschevii* Popov 12840  
I 12840 Turkey 12840
- R *Onosma velutinum* Boiss. 12840  
R 12840 Turkey 12840
- R *Onosmodium helleri* Small 20850  
R 20850 U.S. - Texas 20850
- R *Onosmodium molle* Michaux ssp. *bejariense* (DC. ex A. DC.) Cochrane 20850  
R 20850 U.S. - Texas 20850
- R *Onosmodium molle* Michaux ssp. *molle* 20850  
V 20850 U.S. - Alabama 20850  
I 20850 U.S. - Illinois 20850  
E 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Missouri 20850  
R 20850 U.S. - Tennessee 20850
- R *Paracaryum amani* (Rech.f.) R. Mill 12840  
R 12840 Turkey 12840
- R *Paracaryum artvinense* R. Mill 12840  
R 12840 Turkey 12840
- I *Paracaryum coelastinum* (Lindley) Benth.  
I India - Karnataka
- R *Paracaryum corymbiforme* (DC. & A. DC.) Boiss. 12840  
R 12840 Turkey 12840
- R *Paracaryum erysimifolium* Boiss. 12840  
R 12840 Turkey 12840
- R *Paracaryum kurdistanicum* (Brand) R. Mill 12840  
R 12840 Turkey 12840
- I *Paracaryum leptophyllum* (A. DC.) Boiss. 12840  
I 12840 Turkey 12840
- R *Paracaryum lithospermifolium* (Lam.) Grande var. *erectum* R. Mill. 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Boraginaceae: *Paracaryum*

- I** *Paracaryum malabaricum* C.B. Clarke  
**I** India - Karnataka (Canara & Mysore)
- R** *Paracaryum paphlagonicum* (Bornm.) R. Mill 12840  
**R** 12840 Turkey 12840
- R** *Paracaryum polycarpum* (Rech.f.) R. Mill 12840  
**R** 12840 Turkey 12840
- R** *Paracaryum reuteri* Boiss. & Hausskn. 12840  
**R** 12840 Turkey 12840
- R** *Paracaryum shepardii* Post & Beauv. 12840  
**R** 12840 Turkey 12840
- R** *Paracaryum stenolophum* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Paraskevia cesatiana* (Fenzl & Friedr.) W. & G. Sauer  
**R** Greece
- R** *Perittostema pinetorum* I.M. Johnston 11181  
**R** 11181 Mexico 11181
- R** *Plagiobothrys chorisianus* (Cham.) I.M. Johnston 20850  
**I** 20850 U.S. - California 20850
- V** *Plagiobothrys chorisianus* (Cham.) I.M. Johnston var. *chorisianus* 20850  
**V** 20850 U.S. - California 20850
- Ex** *Plagiobothrys diffusus* (Greene) I.M. Johnston 20850, 14662  
**Ex** 20850 U.S. - California 20850
- R** *Plagiobothrys distantiflorus* (Piper) I.M. Johnston ex M.E. Peck 20850  
**I** 20850 U.S. - California 20850
- E** *Plagiobothrys figuratus* (Piper) I.M. Johnston ex M.E. Peck ssp. *corallicarpus* (Piper) Chambers 20850  
**E** 20850 U.S. - Oregon 20850
- Ex/E** *Plagiobothrys glaber* (Gray) I.M. Johnston 20850  
**I** 20850 U.S. - Arizona 20850  
**Ex/E** 20850 U.S. - California 20850
- V** *Plagiobothrys glomeratus* Gray 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- Ex/E** *Plagiobothrys glyptocarpus* (Piper) I.M. Johnston var. *modestus* I.M. Johnston 20850  
**Ex/E** 20850 U.S. - California 20850
- E** *Plagiobothrys hirtus* (Greene) I.M. Johnston 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Plagiobothrys humistratus* (Greene) I.M. Johnston 20850  
**I** 20850 U.S. - California 20850
- Ex/E** *Plagiobothrys hystericulus* (Piper) I.M. Johnston 20850  
**Ex/E** 20850 U.S. - California 20850
- Ex/E** *Plagiobothrys lamprocarpus* (Piper) I.M. Johnston 20850, 14662  
**Ex/E** 20850 U.S. - Oregon 20850
- Ex/E** *Plagiobothrys lithocaryus* (Greene ex Gray) I.M. Johnston 20850  
**Ex/E** 20850 U.S. - California 20850
- Ex** *Plagiobothrys mollis* (A. Gray) I.M. Johnston var. *vestitus* (Greene) I.M. Johnston 20850  
**Ex** 20850 U.S. - California 20850
- R** *Plagiobothrys parishii* I.M. Johnston 20850  
**I** 20850 U.S. - California 20850
- R** *Plagiobothrys scriptus* (Greene) I.M. Johnston 20850  
**E** 20850 U.S. - California 20850
- E** *Plagiobothrys strictus* (Greene) I.M. Johnston 20850  
**E** 20850 U.S. - California 20850
- V** *Plagiobothrys uncinatus* J.T. Howell 20850  
**V** 20850 U.S. - California 20850
- I** *Podonosma galalensis* Schweinf. ex Boiss. 16168  
**I** 16168 Egypt (Galala Desert) 16168
- R** *Procopiana circinalis* (Runemark) Pawl.  
**R** Greece
- R** *Procopiana insularis* Pawl. 20731  
**R** Greece
- R** *Pulmonaria filarszkyana* Jáv. 17762, 20171  
**R** 20631 Romania 20631  
**V** former European USSR
- R** *Rindera graeca* (A.DC.) Boiss. & Heldr. 20171  
**R** Greece
- R** *Rindera gymnandra* (Coss.) Guerke 10488  
**R** 14958 Algeria 10488
- R** *Rochefortia acrantha* Urb. 20883, 13336  
**R** 13336 Jamaica 20883
- V** *Rochefortia oblongata* Urban & Ekman 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- V** *Selkirkia berteroi* (Colla) Hemsley 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- R** *Solenanthus albanicus* (Degen & Bald.) Degen & Bald. 8000, 20171  
**R** 20178 Albania 8000  
**E** Greece 8000
- R** *Solenanthus atlanticus* Pitard  
**R** Morocco
- R** *Solenanthus formosus* R. Mill 12840  
**R** 12840 Turkey 12840
- R** *Solenanthus pindicus* Alden  
**R** Greece
- E** *Solenanthus reverchonii* Degen 19818, 20171  
**E** 19818 Spain (Jaén & Granada) 19818
- R** *Solenanthus scardicus* Bornm. 20178, 20171  
**V** 20178 Albania 20178  
**R** (former) Yugoslavia
- R** *Solenanthus tubiflorus* Murb.  
**R** Algeria  
**R** Tunisia
- E** *Symphytum cycladense* Pawl 8000, 20171  
**E** Greece (S. Aegean region) 8000
- R** *Symphytum davisii* Wickens 20171  
**R** Greece
- R** *Symphytum gussonei* F.W.Schultz 20171  
**R** 19164 Italy - Sicily 19164
- R** *Symphytum icaricum* Pawl.  
**R** Greece
- R** *Symphytum longipetiolatum* Wickens 12840  
**R** 12840 Turkey 12840
- R** *Symphytum longisetum* Huber-Mor. & Wickens 12840  
**R** 12840 Turkey 12840
- R** *Symphytum naxicola* Pawl 20171  
**R** Greece
- V** *Symphytum pseudobulbosum* Asnav 12840  
**V** 12840 Turkey 12840



## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Boraginaceae: *Symphytum*

- R** *Symphytum savvalense* Kurtto 12840  
R 12840 Turkey 12840
- R** *Symphytum sylvaticum* Boiss. 12840  
R 12840 Turkey 12840
- I** *Tianshaniella umbellulifera* B. Fedtsch. ex Popov 5942  
I 5942 Kyrgyzstan 5942
- E** *Tiquilia ferreyrae* (I.M. Johnston) A. Richardson 18200  
E 9446 Peru 18200
- E** *Tournefortia arborescens* Lam. 10082  
E 14234 Réunion 10082
- E** *Tournefortia bojeri* A. DC. 10082  
E 14234 Réunion 14234  
Ex 20771 Mauritius 10082
- R** *Tournefortia brenesii* Standley 9037  
R 11181 Costa Rica 9037  
R 11181 Panama 10747
- R** *Tournefortia longispica* J.S. Müller 11675  
R 11181 Panama 11675
- R** *Tournefortia multiflora* J.S. Müller 11675  
R 11181 Panama 11675
- V** *Tournefortia roxburghii* Clarke 14872  
V 14872 Bangladesh 14872
- V** *Tournefortia smaragdina* Proctor 20883, 13336  
V 13336 Jamaica 20883
- R** *Tournefortia staminea* Griseb. 20883  
R 20883 Jamaica 20883
- R** *Tournefortia urceolata* J.S. Miller 11675  
R 11181 Panama 11675
- V** *Trichodesma scottii* Balf. f. 15534  
V 15534 Yemen - Socotra (Hajhir & Majhah) 15534
- R** *Trigonotis ikumae* Makino 10573  
R 10573 Japan 10573
- R** *Trigonotis nankotaizanensis* (Sasaki) Masamune & Ohwi ex Masamune 20511  
R 20511 Taiwan 20511
- I** *Wellstedtia socotrana* Balf. f. 15534  
I 15534 Yemen - Socotra 15534  
I 15534 Somalia 15534

### Bretschneideraceae

Number of genera: 1  
Number of species: 1  
Recorded threatened species: 1 (100%)

Mountains of western and southwestern China.

- R** *Bretschneidera sinensis* Hemsley 17617  
R 17617 China - Fujian 11139  
R 17617 China - Guangdong 11139  
R 17617 China - Guangxi 11139  
R 17617 China - Guizhou 11139  
R 17617 China - Hubei 11139  
R 17617 China - Hunan 11139  
R 17617 China - Jiangxi 11139  
R 17617 China - Sichuan 11139  
R 17617 China - Yunnan 11139  
R 17617 China - Zhejiang 11139  
R Taiwan (Taibei) 11139  
I 20985 Vietnam (Lai Chau) 6057

### Brunelliaceae

Number of genera: 1  
Number of species: 62  
Recorded threatened species: 57 (91%)

Tropical America.

- E** *Brunellia acostae* Cuatrecasas 20883  
I 20883 Ecuador 20883
- E** *Brunellia almaguerensis* Cuatrecasas 20883, 19353  
I 19352 Colombia 20883
- V** *Brunellia antioquiensis* (Cuatrecasas) Cuatrecasas 20883  
I 20883 Colombia 20883
- R** *Brunellia boliviana* Britton ex Rusby 20883  
I 20883 Bolivia 20883
- E** *Brunellia boliviana* Britton ex Rusby var. *boliviana* 20883  
I 20883 Bolivia 20883
- R** *Brunellia boliviana* Britton ex Rusby var. *brittonii* Cuatrecasas 20883  
I 20883 Bolivia 20883
- E** *Brunellia boqueronensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- E** *Brunellia briquetii* Baehni 20883  
I 20883 Peru 20883
- E** *Brunellia brunnea* Macbride 20883  
I 20883 Peru 20883
- V** *Brunellia bullata* Cuatrecasas 20883  
I 20883 Colombia 20883
- E** *Brunellia carpishensis* Cuatrecasas 20883  
I 20883 Peru 20883
- V** *Brunellia cayambensis* Cuatrecasas 20883  
I 20883 Ecuador 20883
- E** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *boyacensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- R** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *comocladifolia* 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- R** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *cubensis* Cuatrecasas 20883  
I 20883 Cuba 20883
- V** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *cundinamarcensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- R** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *domingensis* Cuatrecasas 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883  
I 20883 Puerto Rico 20883  
Mexico 21008  
Peru 21008
- E** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *guadalupensis* Cuatrecasas 20883  
I 20883 Guadeloupe 20883
- V** *Brunellia comocladifolia* Humb. & Bonpl. ssp. *josephensis* Cuatrecasas 20883  
I 20883 Costa Rica 20883
- V** *Brunellia comocladifolia* Humb. & Bonpl. ssp.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Brunelliaceae: *Brunellia*

- ptariana* (Steyermark) Cuatrecasas 20883  
I 20883 Venezuela 20883
- E *Brunellia coroicoana* Cuatrecasas 20883  
I 20883 Bolivia 20883
- E *Brunellia cuatrecasana* Orozco 20883, 19353  
I 19353 Colombia 20883
- E *Brunellia cutervensis* Cuatrecasas 20883  
I 20883 Peru 20883
- E *Brunellia cuzcoensis* Cuatrecasas 20883  
I 20883 Peru 20883
- V *Brunellia darienensis* Cuatr. & Porter 20883  
I 20883 Panama 20883  
? Colombia (Cordillera del Darién) 21093
- E *Brunellia dichapetaloides* Macbride 20883  
I 20883 Peru 20883
- E *Brunellia diversifolia* Orozco 20883, 19353  
I 19353 Colombia 20883
- V *Brunellia dulcis* Macbride 20883  
I 20883 Peru 20883
- E *Brunellia ecuadoriensis* Cuatrecasas 20883  
I 20883 Ecuador 20883
- E *Brunellia elliptica* Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia espinalii* Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia farallonensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia foreroi* Orozco 20883, 19353  
I 19353 Colombia 20883
- E *Brunellia gentryi* Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia glabra* Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia goudotii* Tulasne 20883  
I 20883 Colombia 20883
- E *Brunellia hexasepala* Loesener 20883  
I 20883 Peru 20883
- E *Brunellia hiltyana* Cuatrecasas 20883, 19353  
I 19353 Colombia 20883
- E *Brunellia hygrophilica* Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia inermis* Ruiz & Pavón 20883  
I 20883 Peru 20883
- V *Brunellia integrifolia* ssp. *mollis* (Cuatrecasas)  
Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia latifolia* Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia littlei* Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia littlei* Cuatrecasas ssp. *caucana*  
Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia littlei* Cuatrecasas ssp.  
*littlei* 20883  
I 20883 Colombia 20883
- V *Brunellia macrophylla* Killip & Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia morii* Cuatrecasas 21093  
I 20883 Panama 20883
- V *Brunellia occidentalis* Cuatrecasas 20883, 19353  
E 19352 Colombia 20883
- E *Brunellia oliveri* Britton 20883  
I 20883 Bolivia 20883
- R *Brunellia ovalifolia* Humboldt & Bonpland 20883  
I 20883 Ecuador 20883
- V *Brunellia pallida* Cuatrecasas 20883  
I 20883 Colombia 20883
- E *Brunellia penderiscana* Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia pitayensis* Cuatrecasas 20883, 19353  
I 19353 Colombia 20883
- R *Brunellia propinqua* Humboldt, Bonpland & Kunth 20883  
I 20883 Colombia 20883
- R *Brunellia propinqua* Humboldt, Bonpland & Kunth ssp.  
*propinqua* 20883  
I 20883 Colombia 20883
- V *Brunellia propinqua* Humboldt, Bonpland & Kunth ssp.  
*susaconensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia putumayensis* Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia racemifera* Tulasne 20883  
I 20883 Colombia 20883
- E *Brunellia rhoides* Rusby 20883  
I 20883 Bolivia 20883
- E *Brunellia rufa* Killip & Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia sibundoya* ssp. *sebastopola*  
Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia sibundoya* ssp. *sibundoya* 20883  
I 20883 Colombia 20883
- V *Brunellia standleyana* Cuatrecasas 20883, 9426  
I 20883 Costa Rica 20883
- R *Brunellia stenoptera* Diels 20883  
I 20883 Ecuador 20883
- V *Brunellia stuebelii* Hieronymus 20883  
I 20883 Colombia 20883
- V *Brunellia subsessilis* Killip & Cuatrecasas 20883  
I 20883 Colombia 20883
- V *Brunellia trianae* Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia trigyna* Cuatrecasas 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E *Brunellia velutina* Cuatrecasas 20883  
I 20883 Colombia 20883
- R *Brunellia weberbaueri* Loesener 20883  
I 20883 Peru 20883
- E *Brunellia zamorensis* Steyermark 20883  
I 20883 Ecuador 20883

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): **Bruniaceae: *Audouinia***

### Bruniaceae

Number of genera: 12-18, 289  
 Number of species: 75  
 Recorded threatened species: 17 (22%)

South Africa and Natal.

- V** *Audouinia capitata* (L.) Brongn. 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Berzelia dregeana* Colozza 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Berzelia ecklonii* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Brunia macrocephala* Willd. 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Lonchostoma esterhuyseniae* Strid 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Lonchostoma purpureum* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Pseudobaeckea stokoei* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Raspalia barnardii* Pillans 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Raspalia schlechteri* Dummer 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Raspalia trigyna* (Schltr.) Dummer 20604, 18289  
 E 20604 South Africa - Cape Province 20604  
 E 20604 South Africa - Natal (sandstone region in southern Natal) 20604
- Ex** *Staavia brownii* Dummer 20604  
 Ex 20604 South Africa - Cape Province 20604
- R** *Staavia dodii* Bolus 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Staavia dregeana* C.Presl 20604  
 E 20604 South Africa - Cape Province 20604
- R** *Staavia glutinosa* (L.) Dahl 20604  
 R 20604 South Africa - Cape Province 20604
- Ex** *Staavia phyllicoides* Pillans 20604  
 Ex 20604 South Africa - Cape Province 20604
- I** *Staavia verticillata* (L.f.) Pillans 20604  
 I 20604 South Africa - Cape Province 20604
- E** *Staavia zeyheri* Sond. 20604  
 E 20604 South Africa - Cape Province 20604
- Ex** *Thamnea depressa* Oliv. 20604, 6180  
 Ex 20604 South Africa - Cape Province 20604
- I** *Thamnea gracilis* (Kuntze) Oliv. 20604  
 I 20604 South Africa - Cape Province 20604
- V** *Thamnea hirtella* Oliv. 20604  
 V 20604 South Africa - Cape Province 20604
- Ex** *Thamnea uniflora* Sol. ex Brongn. 20604, 6180  
 Ex 20604 South Africa - Cape Province 20604

### Buddlejaceae

Number of genera: 10  
 Number of species: 150  
 Recorded threatened species: 14 (9%)

Mainly tropical and subtropical.

- I** *Adenoplusia uluguruensis* Melchior 7959  
 I 5926 Tanzania (Morogoro Distr.) 7959

- R** *Buddleja chaplana* Robinson 11981  
 R 20155 Mexico - Jalisco 20155
- R** *Buddleja corrugata* Jones 11981  
 R 11981 Mexico 11981
- V** *Buddleja formosana* Hatusima 20854  
 V 20854 Taiwan 20854
- I** *Buddleja ibarrensis* Norman 11351  
 I 19556 Ecuador 11351
- R** *Buddleja jamesonii* Benth. 11351  
 R 19556 Ecuador 11351
- R** *Buddleja lanata* Benth. 11351  
 R 19556 Ecuador 11351
- R** *Buddleja lojensis* Norman 11351  
 R 19556 Ecuador 11351
- V** *Buddleja longifolia* Hunt., bonpl. & Kunth. 11351  
 V 19556 Ecuador 19556  
 V 19556 Peru 18200
- R** *Buddleja polycephala* Kunth 11351  
 R 18200 Peru 18200
- R** *Emorya suaveolens* Torr. 20850  
 E 20850 U.S. - Texas 20850
- R** *Nuxia glomerulata* (C.A.Sm.) I. Verd. 20604  
 R 20604 South Africa - Transvaal 20604
- R** *Peltanthera floribunda* Benth. 11351  
 R 11351 Costa Rica 11351  
 R 11351 Panama 11351  
 R 11351 Bolivia 11351  
 R 11351 Colombia 11351  
 R Ecuador  
 R 18200 Peru 11351
- R** *Sanango racemosum* (Ruiz Lopez & Pavon) Barringer 11351  
 R 18200 Peru 11351

### Burseraceae

Number of genera: 16-20  
 Number of species: 600  
 Recorded threatened species: 80 (13%)

Pantropical, especially tropical America and Northeast Africa.

- R** *Beiselia mexicana* Forman 10168  
 R 10168 Mexico - Michoacan 10168
- E** *Boswellia nana* Hepper 15534  
 E 15534 Yemen - Socotra 15534
- E** *Boswellia ogadensis* Vollesen 19704  
 E 19704 Ethiopia (Harerge) 19704
- I** *Boswellia ovalifoliolata* Balakr. & A.N. Henry  
 I India - Andhra Pradesh
- R** *Boswellia pirottae* Chiov. 19704  
 R 19704 Ethiopia (Gonder, Gojam, Wello Upland, Shewa Upland, Kefa.) 19704
- V** *Bursera arborea* (Rose) Riley 9114  
 ? Mexico - Colima 21232  
 ? Mexico - Durango 21232  
 ? Mexico - Michoacan 21232  
 ? Mexico - Nayarit 21232  
 ? Mexico - Oaxaca 21232  
 V 19850 Mexico - Sinaloa 11559
- R** *Bursera aromatica* Proctor 20883, 13336  
 R 13336 Jamaica 20883
- E** *Bursera hollickii* (Britton) F. & R. 13336

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Burseraceae: *Bursera*

- E 13336 Jamaica 13336
- R *Bursera lunanii* (Spreng) Adams & Dandy 20883  
R 20883 Jamaica 20883
- R *Bursera malacophylla* Robinson 11117  
R Ecuador - Galapagos 11117
- R *Canarium harveyi* Seem. var. *novaehebridense* 14800  
R 14800 Solomon Is - Santa Cruz Is 14800  
R 14800 Vanuatu (Banks group) 14800
- I *Canarium luzonicum* (Blume) A.Gray 20676, 13780  
I Philippines 13780
- V *Canarium paniculatum* (Lam.) Benth. 10082  
V 20771 Mauritius 10082
- I *Canarium perlisanum* Leenh.  
I Malaysia - Peninsular Malaysia (Perlis)
- E *Canarium whitei* Guillaumin 20893  
E 20893 New Caledonia 20893
- V *Canarium zeylanicum* Blume 10276  
V 12838 Sri Lanka 10276
- R *Commiphora alata* Chiov. 20884  
R 20884 Somalia (south) 20884
- R *Commiphora chaetocarpa* J.B.Gillett 20087  
R 20087 Kenya 20057  
R 20884 Somalia (central) 17435
- R *Commiphora ciliata* Vollesen 20087  
R 20057 Ethiopia (southern) 17435  
R 20057 Kenya 20057  
R 20884 Somalia (central & south) 20884
- R *Commiphora corrugata* J.B.Gillett & K.Vollesen 20884  
R 20884 Ethiopia 20884  
R 20884 Kenya 20884  
R 20884 Somalia (central & south) 20884
- E *Commiphora monoica* Vollesen 20087  
E 19704 Ethiopia (Bale) 19704
- R *Commiphora obovata* Chiov. 20556  
R 20884 Ethiopia 20556  
R 20884 Kenya 20556  
R 20884 Somalia (north & central) 20556
- R *Commiphora planifrons* (Balf. f.) Engl. 15534  
R 15534 Yemen - Socotra 15534
- R *Commiphora pseudopaolii* J.B.Gillett 20087  
R 20884 Kenya 20057  
R 20884 Somalia (central & south) 20884
- R *Commiphora sulcata* Chiov. 20884  
R 20884 Somalia (north & central) 20884
- R *Commiphora swynnertonii* B.D. Burt 20087  
R 20057 Kenya 20057  
R 20057 Tanzania (Mkinke river; Mpwapwa, Kilimalindi) 17435
- R *Commiphora unilobata* J.B.Gillett & K.Vollesen 20884  
R 20884 Ethiopia 20884  
R 20884 Kenya 20884  
R 20884 Somalia (central & south) 20884
- V *Crepidospermum cuneifolium* (Cuatrec.) Daly 11559  
V 11559 Colombia 11559
- V *Crepidospermum multijugum* Swart 11559  
V 11559 Peru 11559
- R *Dacryodes acutipyrena* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Dacryodes belemensis* Cuatrec. 11559  
R 11559 Brazil 11559
- R *Dacryodes colombiana* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Dacryodes cupularis* Cuatrec. 11559  
R 11559 Colombia 11559
- E *Dacryodes cuspidata* (Cuatrec.) Daly 20883, 11559  
I 20883 Brazil 20883  
R 11559 Colombia 11559  
I 20883 Venezuela 20883
- R *Dacryodes glabra* (Steeyer.) Cuatrec. 11559  
R 11559 Venezuela 11559
- R *Dacryodes granatensis* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Dacryodes kukachkana* L.O. Williams 11559  
R 11559 Brazil 11559  
R 11559 Peru 11559
- R *Dacryodes olivifera* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Dacryodes paraensis* Cuatrec. 11559  
R 11559 Brazil 11559
- R *Dacryodes roraimensis* Cuatrec. 11559  
R 11559 Venezuela 11559
- R *Dacryodes steyermarkii* Sandw. 11559  
R 11559 Venezuela 11559
- R *Protium amplum* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Protium araguense* Cuatrec. 11559  
R 11559 Venezuela 11559
- R *Protium buenaventurense* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Protium carolense* Daly 11559  
R 11559 Brazil 11559  
R 11559 Venezuela 11559
- I *Protium connarifolium* (Perk.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R *Protium crassipetalum* Cuatrec. 11559  
R 11559 Guyana 11559  
R 11559 Venezuela 11559
- R *Protium demerarense* Sandw. 11559  
R 11559 Brazil 11559  
R 11559 French Guiana 11559  
R 11559 Guyana 11559
- R *Protium gigantum* Engl. var. *crassifolium* (Engl.) Daly 11559  
R 11559 Brazil 11559  
R 11559 French Guiana 8679  
R 11559 Suriname 8679
- R *Protium glomerulosum* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Protium guacayanum* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Protium icicariba* (DC.) Marchand 11559  
R 11559 Brazil 11559
- E *Protium inconforme* Pitt. 20883, 9006  
I 20883 Panama 20883
- R *Protium kleinii* Cuatrec. 11559  
R 11559 Brazil 11559  
I 11559 Brazil - Rio Grande do Sul 20311  
I 11559 Brazil - Santa Catarina 20310
- R *Protium laxiflorum* Engl. 11559  
R 11559 Brazil 11559
- R *Protium llanorum* Cuatrec. 11559

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Bursaceae: *Protium*

- R 11559 Colombia 11559
- R *Protium macrocarpum* Cuatrec. 11559  
R 11559 Colombia 11559  
R 11559 Ecuador 11559
- R *Protium macrophyllum* (Kunth) Engl. 11559  
R 11559 Colombia 11559  
R 11559 Peru 11559  
R 11559 Venezuela 11559
- R *Protium macrosepalum* Swart 11559  
R 11559 Venezuela 11559
- E *Protium melinonis* Engl. 11559  
E 11559 French Guiana 11559
- R *Protium minutiflorum* Cuatrec. 11559  
R 11559 Colombia 11559
- R *Protium montanum* Swart 11559  
R 11559 Bolivia 11559
- R *Protium nervosum* Cuatrec. 11559  
R 11559 Colombia 11559
- V *Protium nitidifolium* (Cuatrec.) Daly 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R *Protium opacum* Swart ssp. *exagerratum*  
Daly 11559  
R 11559 Venezuela 11559
- V *Protium pilosum* (Cuatrec.) Daly 20883  
I 20883 Brazil 20883
- R *Protium pittieri* (Rose) Engl. 11559  
R 11559 Costa Rica 11559  
R 11559 Panama 11559
- R *Protium ptarianum* Steryerm. 11559  
R 11559 Venezuela 11559
- R *Protium puncticulatum* Macbr. 11559  
R 11559 Bolivia 11559  
R 11559 Brazil 11559  
R 11559 Peru 11559
- R *Protium reticulatum* Engl.  
R Brazil  
R Venezuela
- V *Protium tenuifolium* ssp. *meleodii* (I. M. Johnst.) D. M. Porter 21093  
V 20883 Panama 20883
- R *Protium tenuifolium* ssp. *sessiliflorum* (Rose) D. M. Porter 21093  
? Costa Rica 21093  
? Honduras 21093  
? Nicaragua 21093  
R 20883 Panama 20883
- R *Protium veneralense* Cuatrec. 11559  
R 11559 Colombia 11559
- E *Protium vestitum* (Cuatrec.) Daly 20883, 11559  
R 11559 Colombia 20883
- R *Protium widgrenii* Engl. 11559  
R 11559 Brazil 11559
- R *Tetragastris breviacuminata* Swart 11559  
R 11559 Brazil 11559
- R *Tetragastris catuaba* Soares da Cunha 11559  
R 11559 Brazil 11559
- V *Tetragastris ochionii* (Rizzini) Daly 20883, 11559  
I 20883 Brazil 20883
- R *Trattinnickia ferruginea* Kuhl. 11559  
R 11559 Brazil 11559

- R *Trattinnickia laxiflora* Swart 21102  
R 11559 Peru 11559
- R *Trattinnickia multiflora* Cuatrec. 11559  
R 11559 Colombia 11559

Buxaceae

Number of genera:	5
Number of species:	60
Recorded threatened species:	21 (35%)

Nearly cosmopolitan.

- V *Buxus acuminata* (Griseb.) Muell. Arg. 5607  
V 19105 Cuba (Guantanamo) 5607
- E *Buxus acunae* Borh. & Muniz 5607  
E 19105 Cuba (Holguin) 5607
- V *Buxus arborea* Proctor 20883, 13336  
V 13336 Jamaica 20883
- V *Buxus baracoensis* Borh. & Muniz 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Buxus cirrifolia* (Willd.) Sprengel 9006  
R 19577 Panama 9006
- I *Buxus colchica* Pojark. 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Azerbaijan 5942  
I 5942 Georgia 5942
- I *Buxus cubana* Baill. 5607  
I 19105 Cuba (Guantanamo) 5607
- E *Buxus heterophylla* Urban 5607  
E 19105 Cuba (Holguin) 5607
- I *Buxus holttumiana* Hatus.  
I Malaysia - Peninsular Malaysia (Kaki Bukit, Perlis)
- R *Buxus microphylla* Sieber & Zucc. var. *intermedia* (Kaneh.) Li 20511  
R 20511 Taiwan 20511
- V *Buxus moana* Alain 5607  
V 19105 Cuba (Holguin) 5607
- E *Buxus muelleriana* Urban  
E 19105 Cuba 19105
- I *Buxus nyasica* 21097  
I 20890 Malawi (Mt. Chese & Mt. Soche) 20890
- V *Buxus obtusifolia* (Mildbr.) Hutch. 20057  
V 10900 Kenya (coastal) 17435  
V 10900 Tanzania (Tanga & coast) 17435
- V *Buxus revoluta* (Britton) Alain 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- V *Buxus rotundifolia* (Britton) Mathou 5607  
V 19105 Cuba (Holguin, Guantanamo) 5607
- I *Buxus rapicola* Ridley  
I Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- R *Buxus subcolumnaris* Muell. Arg. 19001  
R 19001 Martinique 19001
- V *Buxus vaccinioides* (Britton) Urban 5607  
V 19105 Cuba (SC; Ho; Gu) 5607
- E *Buxus vahlii* Baill. 20883, 7984  
I 20883 Jamaica 20883  
E 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. (St Croix) 20883
- R *Pachysandra axillares* Fr. var. *tricarpa* Hayata 20511  
R 20511 Taiwan 20511

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Buxaceae: *Pachysandra*

Cactaceae

Number of genera: 30-200  
 Number of species: 1,000-2,000  
 Recorded threatened species: 581 (38%)

American deserts.

- V II *Acanthocereus brasiliensis* Britton & Rose 15964  
 V 15964 Brazil 15964
- R II *Aporocactus flagelliformis* (L.) Lemaire 12469  
 R 19850 Mexico - Hidalgo 14255  
 R 16360 Mexico - Oaxaca 9114  
 R 19850 Mexico - Puebla 14255
- E I *Ariocarpus agavoides* (Castaneda) E.F. Anderson 15964  
 E 20067 Mexico - Tamaulipas 9114
- E I *Ariocarpus bravoanus* H.M. Hern & E.F. Anderson 20067  
 E 20067 Mexico - San Luis Potosi 20067
- V II *Ariocarpus fissuratus* (Engelm.) K. Schum. var. *hintonii* Stuppy & N.P. Taylor 20067  
 V 20067 Mexico - San Luis Potosi 20067
- V II *Ariocarpus fissuratus* (Engelm.) Britton & Rose var. *lloydii* (Rose) W.T. Marsh 12437  
 V 20067 Mexico - Coahuila 12437  
 V 20067 Mexico - Durango 12437  
 V 20067 Mexico - Zacatecas 12529
- V I *Ariocarpus scaphirostris* Bøedeker 15964  
 V 20067 Mexico - Nuevo Leon 9114
- V I *Ariocarpus trigonus* (F.A.C. Weber) K. Schum. 21384, 15964  
 V 20067 Mexico - Nuevo Leon 9114  
 V 20067 Mexico - Tamaulipas 9114
- I II *Arrojadoa bahiensis* 21307  
 I 21307 Brazil 21307
- I II *Arrojadoa dinae* ssp. *dinae* 15964, 21307  
 I 21307 Brazil 15964
- I II *Arrojadoa dinae* ssp. *eriocalis* 21307  
 I 21307 Brazil 21307
- I II *Arthrocareus glaziovii* 15964  
 I 21307 Brazil 15964
- I II *Arthrocareus melanurus* ssp. *melanurus* 21307  
 I 21307 Brazil 21307
- I II *Arthrocareus melanurus* ssp. *odorus* 21307  
 I 21307 Brazil 21307
- R II *Arthrocareus odorus* F. Ritter 15964  
 R 15964 Brazil 15964
- I II *Arthrocareus rondonianus* 15964  
 I 21307 Brazil 15964
- I II *Arthrocareus spinosissimus* (Buining & Brederoo) F. Ritter 15964  
 I 15964 Brazil 15964
- E I *Astrophytum asterias* (Zucc.) Lem. 20883, 20850, 15964  
 E 20850 U.S. - Texas (Rio Grande valley) 20850  
 E 20883 Mexico 20883  
 E 20067 Mexico - Nuevo Leon 12469  
 E 20067 Mexico - Tamaulipas 12469
- V II *Astrophytum capricorne* (A. Dietr.) Britton & Rose var. *capricorne* 12469  
 V 9114 Mexico - Coahuila 9114  
 V 21263 Mexico - Nuevo Leon 21263
- E II *Astrophytum capricorne* (A. Dietr.) Britton & Rose var. *niveum* (K. Kayser) Oken 12437  
 E 16360 Mexico - Coahuila 12437
- E II *Astrophytum myriostigma* Lemaire var. *coahuilense* (K. Kayser) Borg 12437  
 E 12437 Mexico - Coahuila 12437
- V II *Astrophytum myriostigma* Lemaire var. *cuadricostatum* C. Glass & R. Foster 14257  
 V 14257 Mexico - Tamaulipas 14257
- V II *Astrophytum myriostigma* Lemaire var. *myriostigma* 12469  
 V 9114 Mexico - Coahuila 9114  
 V 14280 Mexico - San Luis Potosi 14280  
 V 21263 Mexico - Tamaulipas 21263
- I II *Astrophytum ornatum* (DC.) A. Weber 15964  
 I 9114 Mexico - Coahuila 9114  
 I 21263 Mexico - Guanajuato 21263  
 I 21263 Mexico - Hidalgo 21263  
 I 9114 Mexico - Queretaro 9114  
 I 21263 Mexico - San Luis Potosi 21263
- E II *Austrocactus hibernus* F. Ritter 15964  
 E 15964 Chile 15964
- R II *Austrocactus philippii* (regel & Schmidt) Buxbaum & Ritter 15964  
 R 19034 Chile 19034
- R II *Austrocactus spiniflorus* (Phil.) Ritter 15964  
 R 15964 Chile 19034
- R I *Aztekium ritteri* (Bøedeker) Bøedeker 15964  
 R 20067 Mexico - Nuevo Leon 9114
- R II *Bergerocactus emoryi* (Engelm.) Engelm. 20850, 15964  
 V 20850 U.S. - California 20850  
 ? Mexico 15964
- R II *Brachycereus nesioticus* (Schumann) Backeb. 15964  
 R 15964 Ecuador - Galapagos 11117
- R II *Brasilicereus markgrafii* Backeb. & Voll 15964  
 R 15964 Brazil 15964
- V II *Browningia candelaris* (Meyen) Britton et Rose 20883, 15964  
 V 20883 Chile 20883  
 R 15964 Peru 20883
- R II *Cephalocereus apicicephalium* E.Y. Dawson 15964  
 R 12787 Mexico - Oaxaca 12787
- R II *Cephalocereus nizardensis* (H. Bravo & Macdougall) F. Buxb. 15964  
 R 19850 Mexico 19850
- V II *Cephalocereus senilis* (Haw.) Pfeiffer 15964  
 V 15964 Mexico - Hidalgo 9114
- I II *Cereus mirabella* 15964  
 I 21307 Brazil 15964
- V II *Cereus quadricostatus* Bello 8058  
 V 19002 Puerto Rico 8058
- I II *Cipocereus bradei* 15964  
 I 21307 Brazil 15964
- R II *Cipocereus crassisepalus* 15964  
 R 15964 Brazil 15964
- I II *Cipocereus minensis* ssp. *pleurocarpus* 21307  
 I 21307 Brazil 21307
- R II *Cipocereus pleurocarpus* Ritter 15964  
 R 15964 Brazil 15964
- R II *Cipocereus pusilliflorus* (Ritter) D.C. Zappi & N.P. Taylor 15964  
 R 15964 Brazil 15964

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Cipocereus*

- V II *Cleistocactus acanthurus* (Vaupel) D. Hunt 15964  
V 15964 Peru 18200
- R II *Coleocephalocereus pluricostatus* Buining & Brederoo 15964  
R 15964 Brazil 15964
- R II *Coleocephalocereus purpureus* (Buining & Brederoo) Ritter 15964  
R 15964 Brazil 15964
- R II *Copiapoa bridgesii* (Pfeiff.) Backeb. 15964  
R 15964 Chile 15964
- R II *Copiapoa calderana* F. Ritten 15964  
R 19535 Chile 15964
- R II *Copiapoa chaniaralensis* Ritter 15964  
R 19034 Chile 19034
- R II *Copiapoa coquimbana* (Karwinsky) Britton & Rose 15964  
R 15964 Chile 19034
- E II *Copiapoa desertorum* Ritter 15964  
E 15964 Chile 19034
- R II *Copiapoa desertorum* Ritter var. *hornilloensis* (Ritter) A. Hoffmann 19034  
R 19034 Chile 19034
- R II *Copiapoa desertorum* Ritter var. *rubriflora* (Ritter) A. Hoffmann 19034  
R 19034 Chile 19034
- V II *Copiapoa desertorum* Ritter var. *rupestris* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- R II *Copiapoa fiedleriana* (K. Schum.) Backeb. 15964  
R 19535 Chile 15964
- V II *Copiapoa humilis* (Philippi) Hutch. 15964  
V 16430 Chile 15964
- R II *Copiapoa humilis* (Philippi) Hutchinson var. *esmeraldana* (Ritter) A. Hoffmann 19034  
R 19034 Chile 19034
- V II *Copiapoa humilis* (Philippi) Hutchinson var. *longispina* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- R II *Copiapoa hypogaea* Ritter 15964  
R 19034 Chile 19034
- V II *Copiapoa krainziana* Ritter 15964  
V 19034 Chile 19034
- R II *Copiapoa laui* L. Diers 15964  
R 15964 Chile 15964
- R II *Copiapoa longistaminea* Ritter 15964  
R 15964 Chile 19034
- R II *Copiapoa malletiana* (Lem. ex Salm-Dyck) Backeb. 15964  
R 15964 Chile 19535
- R II *Copiapoa marginata* (Salm-Dyck.) Britton & Rose 15964  
R 19535 Chile 15964
- V II *Copiapoa megarhiza* Britton & Rose var. *echinata* (Ritter) 19034  
V 19034 Chile 19034
- E II *Copiapoa megarhiza* Britton & Rose var. *megarhiza* 19034  
E 19535 Chile 15964
- E II *Copiapoa rupestris* Ritter 15964  
E 15964 Chile 15964
- V II *Copiapoa solaris* (Ritter) Ritter 15964
- V 19034 Chile 19034
- E II *Copiapoa tenuissima* Ritter 15964  
E 15964 Chile 15964
- E II *Copiapoa tocopillana* Ritter 15964  
E 15964 Chile 19034
- R II *Copiapoa variispinata* Ritter 15964  
R 15964 Chile 15964
- R II *Corryocactus brevistylus* (Schumann) Britton & Rose 15964  
V 19034 Chile 19034  
R 18200 Peru 19034
- V II *Coryphantha asperispina* Boedeker 12437  
V 12437 Mexico - Coahuila 12437  
V 12437 Mexico - Nuevo Leon 12437
- I II *Coryphantha dasyacantha* (Engelm.) Orc. var. *dasyacantha* 8058  
I 8058 U.S. - Texas 8058  
I 8058 Mexico 8058
- R II *Coryphantha durangensis* (Runge) Britton & Rose 15964  
R 19850 Mexico 12469
- V II *Coryphantha elephantidens* (Lemaire) Lemaire 15964  
V 9114 Mexico - Morelos 9114
- V II *Coryphantha glanduligera* (Otto ex Dietrich) Lemaire 15964  
V 16360 Mexico 16360
- E II *Coryphantha gracilis* L. Bremer & Lau 15964  
E 9114 Mexico - Chihuahua 9114
- R II *Coryphantha grata* L. Bremer 15964  
R 19850 Mexico 19850
- I II *Coryphantha longicornis* Boedeker 15964  
I 19850 Mexico 12469
- V II *Coryphantha macromeris* (Britt. & Rose) L. Benson var. *ruryonii* (Britt. & Rose) L. Benson 20850  
V 20850 U.S. - Texas 20850
- R II *Coryphantha maiz-tablasensis* Backeb. 15964  
R 14262 Mexico - San Luis Potosi 14262
- R II *Coryphantha melleospina* H. Bravo-Holl. 15964  
R 15964 Mexico 12469
- R II *Coryphantha odorata* Boedeker 15964  
R 15964 Mexico 15964
- V II *Coryphantha poselgeriana* (A. Dietr.) Britton & Rose var. *poselgeriana* 12469  
V 9114 Mexico 9114
- I II *Coryphantha poselgeriana* (A. Dietr.) Britton & Rose var. *saltillensis* (Poselger) Bremer 12469  
I 15964 Mexico 12469
- R II *Coryphantha pseudoechinus* Boedeker 15964  
R 15964 Mexico 12469
- V II *Coryphantha pulleineana* (Backeb.) C. Glass 15964  
V 15964 Mexico 12469
- R II *Coryphantha radians* (DC.) Britton & Rose 15964  
R 19850 Mexico 12469
- V II *Coryphantha ramillosa* Cutak 20883, 20850, 15964  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883  
V 19848 Mexico - Coahuila 9114
- R II *Coryphantha recurvata* (Engelm.) Britt. & Rose 20883, 20850, 15964  
V 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Coryphantha*

- R** **II** *Coryphantha retusa* Britton & Rose var. *mellospina*  
(H.Bravo-Hollis) H.Bravo-Hollis 15964  
**R** 19850 Mexico 19850
- R** **II** *Coryphantha scheeri* Lemaire var. *robustispina*  
(Schott ex Engelm.) L. Benson 20883, 20850, 8058  
**R** 20850 U.S. - Arizona (Pima & Santa Cruz Co.)  
20850  
**E** 20850 U.S. - Texas 20850  
**E** 20883 Mexico 20883  
**E** 19123 Mexico - Sonora (north) 19123
- R** **II** *Coryphantha scheeri* Lemaire var. *uncinata* L.  
Benson 20850  
**I** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Texas 20850
- I** **II** *Coryphantha strobiliformis* (Poselger) Moran var.  
*durispina* (Quehl) L. Benson 8058  
**I** 8058 U.S. - Texas 8058  
**I** 8058 Mexico 8058
- V** **II** *Coryphantha sulcata* (Engelm.) Britton & Rose var.  
*nickelsiae* (K. Brandeg.) L. Benson 20883, 20850, 9114  
**Ex/E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883  
**V** 19850 Mexico - Coahuila 12437  
**V** 19850 Mexico - Nuevo Leon 9114  
**V** 15964 Mexico - Tamaulipas 12437
- V** **II** *Coryphantha valida* (J.A. Purpus) L. Bremer 15964  
**V** 19860 Mexico 12469
- E** **I** *Coryphantha werdermannii* Boedeker 15964  
**E** 15964 Mexico - Coahuila 9114
- V** **II** *Dendrocereus nudiflorus* (Engelm.) Britton &  
Rose 15964  
**V** 19105 Cuba 15964
- R** **I** *Discocactus bahiensis* Britton & Rose 15964  
**R** 15964 Brazil (eastern) 14964  
*Discocactus boomianus* Buining & Brederoo 21384,  
15964  
**V** 15964 Brazil 15964  
*Discocactus buenekeri* W.R. Abraham 21384, 15964  
**I** 15964 Brazil 14964
- E** **I** *Discocactus horstii* Buin. & Bred. 15964  
**E** 15964 Brazil 14964
- I** **I** *Discocactus placentiformis* (Lehm.) Schum. 15964  
**I** 21307 Brazil (eastern) 14964
- R** **I** *Discocactus pseudoinsignis* Tayl. & Zapp. 15964  
**R** 15964 Brazil (eastern) 14964  
*Discocactus subviridigriseus* Buining ex J.  
Theunissen 21384, 15964  
**E** 15964 Brazil (eastern) 14964
- V** **I** *Discocactus zehntneri* Britton & Rose 15964  
**V** 15964 Brazil (eastern) 14964
- I** **I** *Discocactus zehntneri* Britton & Rose ssp. *boomianus*  
(Buin & Bred) Tayl & Zapp 21384, 21307  
**I** 21307 Brazil 21307
- I** **I** *Discocactus zehntneri* ssp. *zehntneri* 21307  
**I** 21307 Brazil 21307
- R** **II** *Discocactus ackermannii* (Lindley) Barthlott 15964  
**R** 16385 Mexico - Chiapas 16385  
**V** 16385 Mexico - Oaxaca 16385  
**V** 16385 Mexico - Veracruz 16385
- R** **II** *Discocactus bififormis* (Lindley in Edwards)  
Lindley 15964  
**R** 15964 Guatemala 15964
- R** 15964 Honduras 15964
- R** **II** *Disocactus eichlamii* (Weingard) Britton & Rose 15964  
**R** 15964 Guatemala 14247
- R** **II** *Disocactus kinnachii* Rowley 15964  
**R** 14248 Costa Rica 15964
- R** **I** *Disocactus maddougallii* (Alexander) Barthlott 15964  
**R** 19850 Mexico - Chiapas 14248
- R** **II** *Disocactus macranthus* (Alex.) Kinnach &  
Hutchinson 15964  
**R** 19860 Mexico - Chiapas 16385  
**R** 19860 Mexico - Oaxaca 16385  
**R** 19860 Mexico - Veracruz 16385
- V** **II** *Disocactus phyllanthoides* (DC.) Barthlott 15964  
**V** 19850 Mexico - Puebla 14248  
**V** 19850 Mexico - Veracruz 9114
- I** **II** *Disocactus quezaltecus* (Standley & Steyerl.)  
Kinnach 15964  
**I** 14258 Guatemala 14258
- E** **II** *Echinocactus grusonii* Hildm. 15964  
**E** 9114 Mexico - Hidalgo 9114  
**E** 9114 Mexico - Queretaro 9114
- V** **II** *Echinocactus horizontalonius* Lemaire var. *nicholii*  
L. Benson 20883, 20850, 20079  
**V** 20850 U.S. - Arizona 20850  
**I** 20883 Mexico 20883
- V** **II** *Echinocactus parryi* Engelm. 15964  
**V** 19850 Mexico - Chihuahua 12437
- V** **II** *Echinocactus platyacanthus* Link & Otto 15964  
**V** 15964 Mexico 12469
- V** **II** *Echinocereus adustus* Engelm. var.  
*adustus* 12107  
**V** 15964 Mexico - Chihuahua (Cushuiriac) 12107
- V** **II** *Echinocereus adustus* Engelm. var. *schwarzii* (A.  
Lau) N.P. Taylor 12107  
**V** 15964 Mexico - Durango (Guanaceui & Canantlan)  
12107
- V** **II** *Echinocereus bristolii* W. Marshall var.  
*bristolii* 12107  
**V** 15964 Mexico - Sonora 12107
- R** **II** *Echinocereus bristolii* W. Marshall var.  
*pseudopectinatus* N.P. Taylor 12107  
**V** 12107 U.S. - Arizona (south-east) 12107  
**R** 19850 Mexico - Sonora (north-east) 12107
- V** **II** *Echinocereus chisoensis* W.T. Marsh. 20850  
**I** 20850 U.S. - Texas 20850
- E** **II** *Echinocereus chisoensis* W. Marshall var.  
*chisoensis* 20883, 20850, 12107  
**E** 20850 U.S. - Texas (Chisos Mts) 20850  
**I** 20883 Mexico 20883
- E** **II** *Echinocereus chloranthus* (Engelm.) Hort. Haage var.  
*neocapillus* Weniger 20850, 12107  
**E** 20850 U.S. - Texas (Brewster Co.) 20850
- V** **II** *Echinocereus coccineus* var. *arizonicus* (Rose ex  
Orcutt) Ferguson 20850  
**V** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850
- R** **II** *Echinocereus coccineus* var. *paucispinus* (Engelm.)  
Ferguson 20850  
**R** 20850 U.S. - Texas 20850
- I** **II** *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var.  
*armatus* L. Benson 12107



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Echinocereus*

- I 15964 U.S. - California 12107  
I 15964 U.S. - Nevada (Mojavean Desert) 12107
- I II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *chrysocentrus* (Engelm. & Bigelow) Ruempler 12107  
I 15964 U.S. - Arizona (north & west) 12107  
I 15964 U.S. - California 12107  
I 15964 U.S. - Nevada (south & east) 12107  
I 15964 U.S. - Utah (west) 12107
- E II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *howei* L. Benson 20850, 12107  
E 20850 U.S. - California (southernmost Mojave Desert) 20850  
I 20850 U.S. - Nevada 20850
- I II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *munzii* (Parish) Pierce & Fosb. 12107  
I 12107 U.S. - California (south) 12107  
I 12107 Mexico - Baja California Peninsula (Sierra Juarez, east slopes) 12107
- V II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *nicholii* (L. Benson) D. Parfitt 12107  
V 12107 U.S. - Arizona (central south; Sonoran D.) 12107  
V 12107 Mexico - Sonora (north-west; Sonoran Desert) 12107
- I II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *purpureus* L. Benson 12107  
I 19002 U.S. - Utah (near St George) 12107
- I II *Echinocereus engelmannii* (Parry ex Engelm.) Lemaire var. *variegatus* (Engelm. & Bigelow) Ruempler 12107  
I 15964 U.S. - Arizona (north-west) 12107  
I 15964 U.S. - Utah (south-east) 12107
- E II *Echinocereus fendleri* (Engelm.) Ruempler var. *kuenzleri* (Castetter, Pierce & Schwerin) L. Benson 20850, 12107  
E 20850 U.S. - New Mexico (Otero Co.) 20850  
I 12107 Mexico - Chihuahua (north) 12107
- E I *Echinocereus ferreirianus* H. Gates ssp. *lindsayi* (J. Meyrán) N.P. Taylor 21384, 12107  
E 20067 Mexico - Baja California Peninsula 12107
- V II *Echinocereus freudenbergeri* G. Frank 15964  
V 19850 Mexico - Coahuila (central & south) 12496
- V II *Echinocereus knippelianus* Liebner var. *knippelianus* 12107  
V 20067 Mexico - Coahuila (south-east) 12107
- E II *Echinocereus knippelianus* Liebner var. *kruegeri* C. Glass & R. Foster 12107  
E 12107 Mexico - Nuevo Leon (south) 12107
- V II *Echinocereus laui* G. Frank 12107  
V 15964 Mexico - Sonora (near Yecora) 12107
- R II *Echinocereus leucanthus* N.P. Taylor 15964  
R 19850 Mexico - Sinaloa 12107  
R 19850 Mexico - Sonora 12107
- V II *Echinocereus lloydii* Britt. & Rose 20850, 20079  
Ex/E 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- V II *Echinocereus longisetus* (Engelm.) Lemaire var. *delaetii* (Gurke) N.P. Taylor 12496  
V 19850 Mexico - Coahuila (central-south & south-east) 12496
- I II *Echinocereus maritimus* (M.E. Jones) Schumann var. *hancockii* (E. Dawson) N.P. Taylor 12107  
I 12107 Mexico - Baja California Peninsula (Cedros Is.) 12107
- I 12107 Mexico - Baja California Sur 12107
- V II *Echinocereus nicholii* (L. Benson) Parfitt 20850, 15964  
I 20850 U.S. - Arizona 20850  
? Mexico 15964
- R II *Echinocereus niveosus* C. Glass & R. Foster 15964  
R 20067 Mexico - Coahuila (Sierra Madre Oriental) 12107
- E II *Echinocereus palmeri* Britton & Rose 15964  
E 19848 Mexico - Chihuahua (central & south) 12107
- I II *Echinocereus pamanesiorum* A. Lau 12107  
I 15964 Mexico - Zacatecas (Rio Huaynamuta valley) 12107
- R II *Echinocereus papillosus* Linke ex Rumpl. 20850  
R 20850 U.S. - Texas 20850
- E II *Echinocereus papillosus* Linke ex Ruempler var. *angusticeps* (Clover) W.T. Marsh. 20850, 12107  
E 20850 U.S. - Texas (Hidalgo Co.) 20850
- R II *Echinocereus pensilis* (K. Brandegee) J.A. Purpus 12107  
R 15964 Mexico - Baja California Sur (Cape region) 12107
- E II *Echinocereus pulchellus* (C. Martius) Schumann var. *pulchellus* 12107  
E 20067 Mexico - Hidalgo 12107  
E 20067 Mexico - Oaxaca (north) 12107  
E 20067 Mexico - Puebla 12107  
E 20067 Mexico - Queretaro (south-east) 12107
- E II *Echinocereus pulchellus* (C. Martius) Schumann var. *sharpii* N.P. Taylor 20067  
E 20067 Mexico - Nuevo Leon 20067
- V II *Echinocereus pulchellus* (C. Martius) Schumann var. *weinbergii* (Weing.) N.P. Taylor 12107  
V 15964 Mexico - Zacatecas (west) 12107
- R II *Echinocereus rayonesensis* N.P. Taylor 15964  
R 12496 Mexico - Nuevo Leon (valley of Rayones) 12496
- E II *Echinocereus reichenbachii* (Tersch. ex Walp.) Hort. Haage var. *albertii* L. Benson 20850, 8058  
E 20850 U.S. - Texas (Rio Grande Plain) 20850
- R II *Echinocereus reichenbachii* (Tersch. ex Walp.) Hort. Haage var. *baileyi* (Rose) N.P. Taylor 20850, 12107  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Oklahoma (south) 20850  
E 20850 U.S. - Texas (Childress Co.) 20850
- I II *Echinocereus reichenbachii* (Tersch. ex Walp.) Hort. Haage var. *fitchii* (Britton & Rose) L. Benson 12107  
I 15964 U.S. - Texas (south) 12107  
V 19850 Mexico - Nuevo Leon (north) 12107  
V 19850 Mexico - Tamaulipas (north) 12107
- E I *Echinocereus schmollii* (Weing.) N.P. Taylor 15964  
E 19848 Mexico - Queretaro (south-east) 12107
- I II *Echinocereus sciurus* (K. Brandegee) Dams var. *floresii* (Backeb.) N.P. Taylor 12107  
I 12107 Mexico - Sinaloa (Topolobampa vicinity) 12107
- R II *Echinocereus sciurus* (K. Brandegee) Britton & Rose var. *sciurus* 12107  
R 19848 Mexico - Baja California Sur (South Cape) 12107
- R II *Echinocereus stoloniferus* W. Marshall var. *stoloniferus* 12107

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Echinocereus*

- R 19850 Mexico - Sonora (south-east) 12107
- R II *Echinocereus subinermis* Salm-Dyck ex Scheer var. *subinermis* 12107  
 R 19850 Mexico - Chihuahua (south-west) 12107  
 R 19850 Mexico - Sinaloa 12107  
 R 19850 Mexico - Sonora 12107
- I II *Echinocereus triglochidiatus* Engelm. var. *paucispinus* (Engelm.) W. Marshall 12107  
 I 19002 U.S. - Texas (south) 12107
- V II *Echinocereus viereckii* Werderm. var. *morricalii* (Riha) N.P. Taylor 12107  
 V 12107 Mexico - Nuevo Leon 12107
- V II *Echinocereus viridiflorus* Engelm. var. *correllii* L. Benson 20850, 12107  
 V 20850 U.S. - Texas (Pecos Co.; Brewster Co.) 20850
- E II *Echinocereus viridiflorus* Engelm. var. *davisii* (A.D. Houghton) W.T. Marsh. 20850, 12107  
 E 20850 U.S. - Texas (Brewster Co.) 20850
- R II *Echinopsis chrysantha* Werderm. 15964  
 R 15964 Argentina 15964
- V II *Echinopsis deserticola* (Werd.) Friedrich & G.D. Rowley 15964  
 V 19034 Chile 15964
- R II *Echinopsis glauca* (Ritter) Friedrich & G.D. Rowley 15964  
 R 19034 Chile 15964  
 R 18200 Peru 15964
- V II *Echinopsis litoralis* (Joh.) Friedrich & Rowley 15964  
 V 19534 Chile 15964
- R II *Echinopsis skottsbergii* (Backeb.) Friedrich & G.D. Rowley 15964  
 R 15964 Chile 19034
- E II *Echinopsis smrziana* Backeb. 15964  
 E 20176 Argentina - Salta 20176
- V II *Echinopsis spinibarbis* (Otto) A. Hoffmann 19034  
 V 19034 Chile 19034
- V II *Echinopsis uebelmanniana* (Lembcke & Backeb.) A. Hoffmann 15964  
 V 15964 Chile 19034
- V II *Epiphyllum anguliger* (Lemaire) G. Don 15964  
 V 14249 Mexico - Guerrero 14249  
 ? Mexico - Jalisco 21204  
 V 14249 Mexico - Mexico State 12469  
 V 14249 Mexico - Michoacan 14249  
 V 14249 Mexico - Oaxaca 14249
- I II *Epiphyllum caudatum* Britton & Rose 15964  
 I 15964 Mexico - Tabasco 14260
- R II *Epiphyllum grandilobum* (A. Weber) Britton & Rose 15964  
 R 14249 Costa Rica 15964  
 V 14249 Panama 15964
- I II *Epiphyllum lauii* Kimmach 15964  
 I 15964 Mexico 15964
- V II *Epithelantha bokei* L. Benson 15964  
 E 15964 U.S. - Texas 12437  
 V 19850 Mexico 12437
- I II *Epithelantha micromeris* Britton & Rose var. *greggii* (Engelm.) Borg 12469  
 I 19860 Mexico 12469
- E II *Epithelantha micromeris* Britton & Rose var. *pachyrhiza* Marshall 12469  
 E 19860 Mexico 12469
- V II *Epithelantha micromeris* Britton & Rose var. *polycephala* (Backeb.) C. Glass & R. Foster 12437  
 V 12437 Mexico - Coahuila 12437
- V II *Eriosyce rodentiophila* Ritter 15964  
 V 19034 Chile 19034
- V II *Eriosyce sandillon* (Remy) Philippi 15964  
 V 19034 Chile 19034
- R II *Escobaria aguirreana* (C. Glass & R. Foster) N.P. Taylor 15964  
 R 9114 Mexico - Coahuila 9114
- V II *Escobaria albicolumnaria* Hester 20850, 15964  
 V 20850 U.S. - Texas 20850
- V II *Escobaria asperispina* (Boedeker) D.R. Hunt 15964  
 V 19850 Mexico 15964
- V II *Escobaria chaffeyi* Britton & Rose 14280  
 V 14280 Mexico - Coahuila 14280  
 V 14280 Mexico - San Luis Potosi 14280
- E II *Escobaria cubensis* (Britton & Rose) D.R. Hunt 15964  
 E 19105 Cuba 19105
- I II *Escobaria dasyacantha* Britton & Rose 15964  
 I 15964 U.S. - Texas 8058  
 I 8058 Mexico 15964
- V II *Escobaria dasyacantha* Britton & Rose var. *chaffeyi* (Britt. & Rose) N.P. Taylor 20850  
 E 20850 U.S. - Texas 20850
- R II *Escobaria dasyacantha* Britton & Rose var. *dasyacantha* 20850  
 I 20850 U.S. - New Mexico 20850  
 V 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- R II *Escobaria dasyacantha* Britton & Rose var. *duncanii* (Hester) N.P. Taylor 20850  
 E 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850
- E II *Escobaria guadalupensis* Brack & Heil 20850, 15964  
 I 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850
- R II *Escobaria laredoi* (C. Glass & R. Foster) N.P. Taylor 15964  
 R 20067 Mexico - Coahuila 11419
- V II *Escobaria leei* (Rose) Bodeker 15964  
 V 20079 U.S. - New Mexico 20079
- E I *Escobaria minima* (Baird) D.R. Hunt 20850, 15964  
 E 20850 U.S. - Texas 20850
- E II *Escobaria missouriensis* (Clover) D.R. Hunt var. *marstonii* (Clover) D.R. Hunt 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Oklahoma 20850  
 20850 U.S. - Utah 20850
- R II *Escobaria orcuttii* Bodecker 20883, 20850, 15964  
 I 20850 U.S. - Arizona 20850  
 R 20850 U.S. - New Mexico 20850  
 I 20883 Mexico 20883
- V II *Escobaria organensis* (A.D. Zimmerman) Castetter, Pierce & Schwerin 20850, 15964  
 V 20850 U.S. - New Mexico 20850
- E II *Escobaria robbinsiorum* (W.H. Earle) D.R. Hunt 20883, 20850  
 E 20850 U.S. - Arizona 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Escobaria*

- I 20883 Mexico 20883
- R II *Escobaria robbinsorum* (W. Earle) D. Hunt 15964  
V 15964 U.S. - Arizona (Cochise Co.) 4115  
R 14252 Mexico - Sonora 14252
- R II *Escobaria roseana* (Boedeker) Backeb. 12469  
R 19850 Mexico 12469
- V II *Escobaria sandbergii* Castetter, Pierce & Schwerin 20850, 15964  
V 20850 U.S. - New Mexico 20850
- V I *Escobaria sneedii* Britt. & Rose 20850, 15964  
V 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- V II *Escobaria sneedii* Britt. & Rose var. *leei* (Rose ex Bodecker) D.R. Hunt 20850  
V 20850 U.S. - New Mexico 20850
- V II *Escobaria sneedii* Britt. & Rose var. *sneedii* 20850  
V 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- V II *Escobaria villardii* Castetter, Pierce & Schwerin 20850, 15964  
I 20850 U.S. - California 20850  
V 20850 U.S. - New Mexico 20850
- R II *Escobaria vivipara* var. *rosea* (Clokey) D.R. Hunt 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- R II *Espositoopsis dybowskii* (Roland-Goss) F. Buxb. 15964  
R 15964 Brazil 15964
- E II *Eulychnia aricensis* Ritt. 15964  
E 19535 Chile 15964
- R II *Eulychnia iquiquensis* (Schumann) Britton & Rose 15964  
R 15964 Chile 19034
- V II *Eulychnia procumbens* Backeb. 15964  
V 5598 Chile 15964
- R II *Facheiroa ulei* (Gurke) Werderm. 15964  
R 15964 Brazil 15964
- R II *Ferocactus alamosanus* Britton & Rose 15964  
R 15964 Mexico 15964  
R 15964 Mexico - Sonora
- I II *Ferocactus chrysacanthus* (Orcutt) Britton & Rose 12469  
I 19850 Mexico - Baja California Peninsula 14264
- I II *Ferocactus cylindraceus* Orcutt. var. *cylindraceus* 15964  
I 15964 U.S. - Arizona 8058  
I 15964 U.S. - California 8058  
I 19850 Mexico - Sonora 9114
- V II *Ferocactus emoryi* (Engelm.) Orcutt 20850, 15964  
I 20850 U.S. - Arizona 20850  
V 16360 Mexico 15964
- R II *Ferocactus haematacanthus* (A. Weber) Backeb. & F. Knuth 15964  
R 14264 Mexico - Puebla 9114  
R 14264 Mexico - Veracruz 14264
- R II *Ferocactus johnstonianus* Britton & Rose 12469  
R 19848 Mexico 9019
- E II *Ferocactus peninsulae* (F.A.C. Weber) Britton & Rose var. *santa-maria* (Britton & Rose) N.P. Taylor 20067  
E 20067 Mexico - Baja California Sur 20067
- V II *Ferocactus pilosus* (Salm-Dyck) Werderm. 15964  
V 19850 Mexico 19850
- V II *Ferocactus recurvus* (Miller) Borg var. *greenwoodii* C. Glass 9114  
V 9114 Mexico - Oaxaca 9114
- R II *Ferocactus reppenhagenii* G. Unger 15964  
R 19850 Mexico 15964
- V II *Ferocactus townsendianus* Britton & Rose 15964  
V 19850 Mexico 9114
- I II *Ferocactus viridescens* (Nutt.) Britton & Rose 15964  
I 15964 U.S. - California 9114  
V 9114 Mexico - Baja California Peninsula 9114
- Ex/E II *Frailea matoana* Buning & Brederoo 15964  
Ex/E 15964 Brazil 15964
- V II *Haageocereus australis* Backeb. 15964  
V 19034 Chile 19034  
V 18200 Peru 19034
- R II *Haageocereus chilensis* Ritt. 5598  
R 5598 Chile 5598
- V II *Haageocereus fascicularis* (Meyen) Ritter 15964  
V 19034 Chile 19034
- E II *Haageocereus limensis* (Salm-Dyck) F. Ritter 15964  
E 12468 Peru 18200
- E II *Haageocereus multangularis* (Willd.) F. Ritter 15964  
E 12468 Peru 18200
- I II *Harrisia aboriginum* 15964  
I 15964 United States of America 15964
- V II *Harrisia earlei* Britton & Rose 15964  
V 19105 Cuba (Pinar del Rio) 5607
- R II *Harrisia fernowii* Britton 15964  
R 19105 Cuba 19105
- E II *Harrisia fragrans* Small 20850, 15964  
E 20850 U.S. - Florida 20850
- E II *Harrisia portoricensis* Britt. 20883, 15964  
E 20883 Puerto Rico (Mona; Desecheo) 20883
- V II *Harrisia simpsonii* Small 20850, 15964  
I 15964 United States of America 15964  
V 20850 U.S. - Florida 20850
- V II *Harrisia taetra* 15964  
V 19105 Cuba (Pinar del Rio) 19105
- V II *Harrisia taylori* Britton 15964  
V 19105 Cuba 19105
- R II *Hattiora epiphylloides* 15964  
R 15964 Brazil 15964
- I II *Hattiora epiphylloides* ssp. *bradei* 21307  
I 21307 Brazil 21307
- I II *Hattiora epiphylloides* ssp. *epiphylloides* 21307  
I 21307 Brazil 21307
- I II *Hattiora gaertneri* 15964  
I 15964 Brazil 15964
- V II *Hattiora herminiae* 15964  
V 15964 Brazil 15964
- I II *Hattiora rosea* 15964  
I 15964 Brazil 15964
- R II *Helianthocereus atacamensis* (Phil.) Backeb. 20883  
R 20883 Chile 20883
- R II *Heliocereus speciosus* (Cavan.) Britton & Rose var. *amecamensis* (Heese) Weing. ex A. Berger 12469

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Heliocereus*

- R 16385 Mexico - Michoacan 16385
- I || *Heliocereus speciosus* (Cavan.) Britton & Rose var. *elegantissimus* (Britton & Rose) 12469  
I 15964 Mexico 12469
- E || *Heliocereus speciosus* (Cavan.) Britton & Rose var. *serratus* (Weing.) Borg 12469  
E 16385 Guatemala 16385  
E 16385 Mexico 12469
- I || *Heliocereus speciosus* (Cavan.) Britton & Rose var. *speciosus* 12469  
I 15964 Mexico 12469
- E || *Heliocereus speciosus* (Cavan.) Britton & Rose var. *superbus* (Ehrenbg.) A. Berger 12469  
E 19860 Mexico 12469
- R || *Horridocactus garaventae* 15964  
R 19535 Chile 15964
- R || *Hylocereus calcaratus* (A. Weber) Britton & Rose 15964  
R 14255 Costa Rica 16385
- R || *Hylocereus stenopterus* (A. Weber) Britton & Rose 15964  
R 14255 Costa Rica 14255  
V 14255 Panama (Chiriqui) 10747
- R || *Jasminocereus thoursii* (F.A.C. Weber) Backeb. var. *delicatus* (E. Dawson) E.F. Anders. & Walk. 11117  
R 11117 Ecuador - Galapagos 11117
- R || *Jasminocereus thoursii* (F.A.C. Weber) Backeb. var. *sclerocarpus* (Schumann) E.F. Anders. & Walk. 11117  
R 11117 Ecuador - Galapagos 11117
- R || *Jasminocereus thoursii* (F.A.C. Weber) Backeb. var. *thoursii* 11117  
R 11117 Ecuador - Galapagos 11117
- V || *Leptocereus arboreus* Britton & Rose 15964  
V 19105 Cuba 5607
- R || *Leptocereus assurgens* (C. Wright) Britton & Rose 15964  
R 19105 Cuba 19105
- E || *Leptocereus ekmanii* (Werderm.) Knuth 15964  
E 19105 Cuba (Pinar del Rio) 5607
- E || *Leptocereus grantianus* Britt. 20883, 15964  
I 20883 Puerto Rico (including Culebra Is.) 20883
- R || *Leptocereus maxonii* Britton & Rose 15964  
R 19105 Cuba (SC; Gu) 5607
- V || *Leptocereus prostratus* Britton & Rose 15964  
V 19105 Cuba (Pinar del Rio) 5607
- E || *Leptocereus quadricostatus* (Bello) Britt. & Rose 20883, 15964  
I 20883 Puerto Rico 20883
- R || *Leptocereus sylvestris* Britton & Rose 15964  
R 19105 Cuba (Granma) 5607
- Ex || *Leptocereus wrightii* León 15964  
Ex 19105 Cuba (Ciud. Habana) 5607
- R || *Leuchtenbergia principis* Hooker 15964  
R 20067 Mexico - Coahuila 9114  
R 21263 Mexico - Durango 21263  
R 20067 Mexico - Hidalgo 20067  
R 20067 Mexico - Nuevo Leon 9114  
R 20067 Mexico - San Luis Potosi 9114  
R 21263 Mexico - Tamaulipas 21263  
R 21263 Mexico - Zacatecas 21263
- Ex || *Lobivia vatteri* Krainz 16336  
Ex 16336 Argentina 16336
- R || *Lophophora diffusa* (Croizat) H. Bravo-Hollis 15964  
R 20067 Mexico - Queretaro 20067
- E || *Mammillaria aff. Salm-Dyck* 20883  
E 20883 Jamaica 20883
- R || *Mammillaria albicans* A. Berger 1058  
R 19848 Mexico 1058
- V || *Mammillaria albicoma* Boedeker 9114  
V 19848 Mexico - Tamaulipas 9114
- R || *Mammillaria angelensis* R.T. Craig 1058  
R 19848 Mexico 1058
- R || *Mammillaria anniana* C. Glass & R. Foster 1058  
R 19848 Mexico 1058
- V || *Mammillaria aureiceps* Lemaire 15964  
V 19848 Mexico - Mexico D.F. 9114
- V || *Mammillaria aureilana* Backeb. 1058  
V 20067 Mexico - San Luis Potosi 20067
- R || *Mammillaria aurhamata* Boedeker 1058  
R 14271 Mexico - San Luis Potosi 1058
- R || *Mammillaria backebergiana* Buchenau var. *backebergiana* 1058  
R 14271 Mexico - Mexico State 1058
- R || *Mammillaria backebergiana* Buchenau var. *ernestii* (Fittkau) C. Glass & R. Foster 14271  
R 14271 Mexico 14271
- R || *Mammillaria baumii* Boedeker 1058  
R 15964 Mexico - Tamaulipas 1058
- R || *Mammillaria beiselii* Diers 1058  
R 15964 Mexico 1058
- R || *Mammillaria bella* Backeb. 1058  
R 15964 Mexico 1058
- R || *Mammillaria blossfeldiana* Boedeker 1058  
R 19850 Mexico 1058
- V || *Mammillaria bocasana* Poselger 9114  
V 19848 Mexico - San Luis Potosi 9114
- V || *Mammillaria bocensis* R.T. Craig 19850  
V 19850 Mexico 15964
- R || *Mammillaria bombycina* Quehl 1058  
R 19850 Mexico 1058
- R || *Mammillaria boolii* G. Lindsay 1058  
R 19850 Mexico 1058
- I || *Mammillaria candida* Scheidw. 9114  
I 19850 Mexico - Chihuahua 9114  
I 19850 Mexico - Coahuila 9114  
I 19850 Mexico - Nuevo Leon 9114  
I 19850 Mexico - Tamaulipas 9114  
I 19850 Mexico - Zacatecas 9114
- R || *Mammillaria capensis* (H. Gates) R.T. Craig 1058  
R 19848 Mexico 1058
- E || *Mammillaria carmenae* Castaneda & Nunez 9114  
E 19848 Mexico - Tamaulipas 9114
- V || *Mammillaria carretii* Rebut 1058  
V 15964 Mexico 1058
- R || *Mammillaria cerralboa* (Britton & Rose) Orcutt 12469  
R 19848 Mexico 12469
- V || *Mammillaria coahuilensis* (Boedeker) Moran 9114  
V 19848 Mexico - Coahuila 9114
- R || *Mammillaria crucigera* Martius 9114

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Mammillaria*

- R 19850 Mexico - Oaxaca 9114
- R II *Mammillaria deherdtiana* Farwig var. *deherdtiana* 1058  
R 19850 Mexico - Oaxaca 14271
- R II *Mammillaria diguetii* (A. Weber) D.R. Hunt 1058  
R 15964 Mexico 1058
- R II *Mammillaria dixanthocentron* Backeb. 9058  
R 19850 Mexico 9058
- R II *Mammillaria duoformis* R.T. Craig & E. Dawson 1058  
R 19848 Mexico 1058
- V II *Mammillaria erectacantha* Foerster 1058  
V 19848 Mexico 1058
- V II *Mammillaria esperanzaensis* Boedeker 9114  
V 16360 Mexico - Puebla 9114
- R II *Mammillaria estebanensis* G. Lindsay 1058  
R 15964 Mexico 1058
- R II *Mammillaria evermanniana* (Britton & Rose) Orcutt 1058  
R 19848 Mexico 1058
- R II *Mammillaria fittkaui* C. Glass & R. Foster 1058  
R 14265 Mexico - Jalisco 14265
- R II *Mammillaria fauxiana* Backeb. 1058  
R 15964 Mexico 15964
- R II *Mammillaria glareosa* Boedeker 1058  
R 19850 Mexico 1058
- R II *Mammillaria glassii* R. Foster var. *ascensionis* (Reppenhagen) C. Glass & R. Foster 1058  
R 14271 Mexico - Nuevo Leon 14271
- R II *Mammillaria goodridgei* Scheer var. *goodridgei* 15964  
R 15964 Mexico - Guadalupe 10339  
R 15964 Mexico - Baja California Peninsula (I. Cedros) 10339
- V II *Mammillaria goodridgei* Scheer var. *rectispina* E. Dawson 12469  
V 19860 Mexico - Baja California Peninsula (Cedros Is.) 12469
- R II *Mammillaria grusonii* Runge 1058  
R 19848 Mexico 1058
- V II *Mammillaria guetzowiana* Werderm. 1058  
V 19848 Mexico 1058
- R II *Mammillaria guerreronis* (H. Bravo-Holl.) Backeb. 9114  
R 19848 Mexico - Guerrero 9114
- V II *Mammillaria hahniana* Werderm. 1058  
V 19850 Mexico 1058
- V II *Mammillaria halei* T.S. Brandegee 1058  
V 20067 Mexico - Baja California Sur (Isla Magdalena, Isla Santa Margarita) 20067
- R II *Mammillaria heidiae* Krainz 9114  
R 19850 Mexico - Puebla 9114
- R II *Mammillaria hernandezii* C. Glass & R. Foster 19850  
R 19850 Mexico 19848
- V II *Mammillaria herrerae* Werderm. 1058  
V 19848 Mexico 1058
- R II *Mammillaria hertrichiana* R.T. Craig 1058  
R 19848 Mexico 1058
- R II *Mammillaria huajuapensis* H. Bravo-Holl. 1058  
R 15964 Mexico 1058
- V II *Mammillaria huitzilopochtli* D.R. Hunt 1058  
V 15964 Mexico 1058
- V II *Mammillaria humboldtii* Ehrenb. 9114  
V 19850 Mexico - San Luis Potosi 9114
- R II *Mammillaria insularis* H. Gates 1058  
R 19848 Mexico 1058
- R II *Mammillaria johnstonii* (Britton & Rose) Orcutt 1058  
R 19848 Mexico 1058
- V II *Mammillaria klissingiana* Boedeker 9114  
V 19848 Mexico - Tamaulipas 9114
- R II *Mammillaria knippeliana* Quehl 1058  
R 15964 Mexico 1058
- V II *Mammillaria kraehenbuehlii* Krainz 1058  
V 19848 Mexico 1058
- I II *Mammillaria laui* D.Hunt forma *dasyacantha* D.Hunt 19850  
I 19850 Mexico 19850
- I II *Mammillaria laui* D. Hunt var. *discata* D. Hunt 19850  
I 19850 Mexico 19850
- I II *Mammillaria laui* D. Hunt. var. *laui* 19850  
I 19850 Mexico - Tamaulipas 9114
- V II *Mammillaria lenta* K. Brandegee 1058  
V 19848 Mexico 1058
- R II *Mammillaria lindsayi* R.T. Craig 1058  
R 19848 Mexico 1058
- V II *Mammillaria longiflora* (Britton & Rose) A. Berger 1058  
V 19848 Mexico 1058
- R II *Mammillaria magnifica* Buchenau 1058  
R 19848 Mexico 1058
- R II *Mammillaria maritima* G. Lindsay 1058  
R 19848 Mexico 1058
- R II *Mammillaria marksiana* Krainz 1058  
R 19848 Mexico 1058
- V II *Mammillaria mathildae* Krahenb. & Krainz 1058  
V 19848 Mexico 1058
- R II *Mammillaria matudae* H. Bravo-Holl. 1058  
R 19848 Mexico 1058
- V II *Mammillaria melaleuca* Karw. 1058  
V 15964 Mexico 1058
- R II *Mammillaria mercadensis* Patoni 9114  
R 19850 Mexico - Durango 9114
- R II *Mammillaria meyranii* H. Bravo-Holl. 1058  
R 19850 Mexico 1058
- R II *Mammillaria microhelix* Werderm. 9114  
R 19850 Mexico - San Luis Potosi 9114
- R II *Mammillaria miegiana* Earle 1058  
R 15964 Mexico 1058
- R II *Mammillaria moelleriana* Boedeker 1058  
R 15964 Mexico 1058
- R II *Mammillaria multidigitata* G. Lindsay 1058  
R 15964 Mexico 1058
- R II *Mammillaria nana* Backeb. 1058  
R 21263 Mexico - Guanajuato 21263  
R 21263 Mexico - Queretaro 21263
- V II *Mammillaria napina* J.A. Purpus 9114  
V 19850 Mexico - Puebla 9114

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Mammillaria*

- R** || *Mammillaria nejapensis* R.T. Craig & F. Dawson 1058  
R 15964 Mexico 1058
- R** || *Mammillaria neopalmeri* R.T. Craig 1058  
R 15964 Mexico 1058
- V** || *Mammillaria oteroi* C. Glass & R. Foster 1058  
V 19850 Mexico 1058
- R** || *Mammillaria painteri* Rose 9114  
R 15964 Mexico - Queretaro 9114
- R** || *Mammillaria parkinsonii* Ehrenb. 1058  
R 15964 Mexico 1058
- E** 1 *Mammillaria pectinifera* (Rümpfer) A. Weber 9114  
E 20067 Mexico - Oaxaca 9114  
E 20067 Mexico - Puebla 9114
- R** || *Mammillaria peninsularis* (Britton & Rose) Orcutt 1058  
R 15964 Mexico 1058
- R** || *Mammillaria pennispinosa* Krainz var. *nazasensis* C. Glass & R. Foster 1058  
R 1058 Mexico 1058
- R** || *Mammillaria pennispinosa* Krainz var. *pennispinosa* 12469  
R 21263 Mexico - Coahuila 21263  
R 21263 Mexico - Durango 21263
- R** || *Mammillaria perezdelarosae* H. Bravo-Holl. & Scheinvar 1058  
R 19850 Mexico - Jalisco 1058
- R** || *Mammillaria petrophila* K. Brandegee 1058  
R 15964 Mexico 1058
- R** || *Mammillaria pilcayensis* H. Bravo-Holl. 15964  
R 15964 Mexico 15964
- R** || *Mammillaria pilispina* J.A. Purpus 9114  
R 15964 Mexico - San Luis Potosi 9114
- I** || *Mammillaria plumosa* A. Weber 9114  
I 19848 Mexico - Coahuila 9114  
I 19848 Mexico - Nuevo Leon 9114
- R** || *Mammillaria pondii* Greene 1058  
R 19848 Mexico 1058
- R** || *Mammillaria pringlei* (J. Coulter) K. Brandegee 9114  
R 19850 Mexico - Mexico D.F. 9114
- R** || *Mammillaria pubispina* Boedeker 1058  
R 15964 Mexico 1058
- R** || *Mammillaria reppenhagenii* D.R. Hunt 1058  
R 15964 Mexico 1058
- R** || *Mammillaria rettigiana* Boedeker 1058  
R 15964 Mexico 1058
- R** || *Mammillaria rosealba* Boedeker 9114  
R 15964 Mexico - Nuevo Leon 12437  
R 15964 Mexico - Tamaulipas 9114
- R** || *Mammillaria rubrograndis* Lau & Reppenhagen 1058  
R 15964 Mexico 1058
- V** || *Mammillaria saboae* C. Glass var. *goldii* C. Glass & R. Foster 1058  
V 15964 Mexico - Sonora 12437
- V** || *Mammillaria saboae* C. Glass var. *saboae* 1058  
V 15964 Mexico 1058
- E** || *Mammillaria san-angelensis* Sanchez-Mej. 9114  
E 15964 Mexico - Mexico D.F. 9114
- E** || *Mammillaria sanchez-mejoradae* R. Gonzalez G. 20067  
E 20067 Mexico - Nuevo Leon 20067
- V** || *Mammillaria schiedeana* Ehrenb. var. *dumetorum* (J.A. Purpus) C. Glass & R. Foster 12469  
V 14267 Mexico - San Luis Potosi 14267
- V** || *Mammillaria schiedeana* Ehrenb. var. *schiedeana* 1058  
V 14267 Mexico - Hidalgo 14267  
V 14267 Mexico - Queretaro 14267
- R** || *Mammillaria schwarzii* Shurly 1058  
R 14269 Mexico - Guanajuato 14269
- V** || *Mammillaria senilis* Lodd. 1058  
V 19850 Mexico 1058
- R** || *Mammillaria setispina* Coulter 1058  
R 16360 Mexico 1058
- R** || *Mammillaria slevinii* (Britton & Rose) Boedeker 1058  
R 15964 Mexico 1058
- E** 1 *Mammillaria solisoides* Backeb. 9114  
E 20067 Mexico - Oaxaca 20067  
E 20067 Mexico - Puebla 9114
- R** || *Mammillaria stella-de-tacubaya* Heese 1058  
R 15964 Mexico 1058
- V** || *Mammillaria supertexta* C. Martius 1058  
V 15964 Mexico 1058
- R** || *Mammillaria surculosa* Boedeker 1058  
R 15964 Mexico 1058
- I** || *Mammillaria swinglei* (Britton & Rose) Boedeker 1058  
I 15964 Mexico 1058
- R** || *Mammillaria tayloriorum* C. Glass & R. Foster 1058  
R 15964 Mexico 1058
- R** || *Mammillaria tepexicensis* J. Meyrán 19850  
R 19850 Mexico 19850
- V** || *Mammillaria theresae* Cutak 9114  
V 16360 Mexico - Durango 9114
- V** || *Mammillaria tonalensis* D.R. Hunt 1058  
V 19850 Mexico 1058
- R** || *Mammillaria varieaculeata* Buchenau 1058  
R 19850 Mexico 1058
- V** || *Mammillaria weingartiana* Boedeker 1058  
V 15964 Mexico 1058
- R** || *Mammillaria wiesingeri* Boedeker 1058  
R 15964 Mexico 1058
- R** || *Mammillaria wrightii* Engelm. var. *wrightii* 20850  
E 20850 U.S. - Arizona 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- R** || *Mammillaria xaltianguegensis* Sánchez-Mej. 1058  
R 15964 Mexico 1058
- R** || *Mammillaria yaquensis* R.T. Craig 9114  
R 15964 Mexico - Sonora 9114
- R** || *Mammillaria yucatanensis* (Britton & Rose) Orcutt 15964  
R 19850 Mexico - Yucatan 9114
- R** || *Mammillaria zeilmanniana* Boedeker 1058  
R 19850 Mexico 1058
- V** || *Mammillaria zephyranthoides* Scheidw. 9114  
V 21263 Mexico - Guanajuato 21263  
V 19850 Mexico - Oaxaca 9114
- I** || *Mammillaria zeyeriana* W. Haage 1058  
I 15964 Mexico 1058

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Mammillaria*

- V II *Matucana aurantiaca* 15964  
V 15964 Peru 15964
- V II *Matucana formosa* F. Ritter 15964  
V 12468 Peru 12468
- V II *Matucana krahni* (Donald) Bregman 15964  
V 15964 Peru 12468
- E II *Matucana madisoniorum* (Hutchinson) G. Rowley 15964  
E 15964 Peru 12468
- V II *Matucana paucicostata* F. Ritter 15964  
V 15964 Peru 18200
- V II *Matucana tuberculata* (Donald) Bregman 15964  
V 12468 Peru 18200
- V II *Melocactus azureus* 15964  
V 15964 Brazil 15964
- I II *Melocactus azureus* ssp. *ferreophilus* 21307  
I 21307 Brazil 21307
- E I *Melocactus conoideus* Buining & Brederoo 15964  
E 15964 Brazil (Vitoria da Conquista) 14964
- E II *Melocactus curvispinus* Pfeiffer ssp. *dawsonii* (H. Bravo-Holl.) N.P. Taylor 15964  
E 20067 Mexico - Jalisco 20067
- V I *Melocactus deinacanthus* Buining & Brederoo 15964  
V 15964 Brazil 14964
- V II *Melocactus ferreophilus* 15964  
V 15964 Brazil 15964
- V I *Melocactus glaucescens* Buining & Brederoo 15964  
V 15964 Brazil 14964
- E II *Melocactus harlowii* (Britton & Rose) Vaupel 15964  
E 19105 Cuba (Guantanamo) 5607
- E II *Melocactus holguinensis* Areces 15964  
E 19105 Cuba (Holguin) 5607
- V II *Melocactus margaritaceus* 15964  
V 15964 Brazil 15964
- E II *Melocactus matanzanus* Leon 15964  
E 19105 Cuba (Guantanamo; Matanzas) 5607
- V II *Melocactus oaxacensis* (Britton & Rose) Backeb. 9114  
V 9114 Mexico - Oaxaca 9114
- V II *Melocactus pachyacanthus* 15964  
V 15964 Brazil 15964
- I II *Melocactus pachyacanthus* ssp. *viridis* 21307  
I 21307 Brazil 21307
- V I *Melocactus paucispinus* G. Heimen & R. Paul 15964  
V 15964 Brazil 14964
- V II *Melocactus violaceus* 15964  
V 15964 Brazil 15964
- I II *Micranthocereus albicephalus* 15964  
I 21307 Brazil 15964
- R II *Micranthocereus auriazureus* 15964  
R 15964 Brazil 15964
- V II *Micranthocereus dolichospermaticus* 15964  
V 15964 Brazil 15964
- R II *Micranthocereus polyanthus* 15964  
R 15964 Brazil 15964
- V II *Micranthocereus streckeri* 15964  
V 15964 Brazil 15964
- R II *Micranthocereus violaciflorus* 15964  
R 15964 Brazil 15964
- E II *Mila caespitosa* Britton & Rose 15964
- E 12468 Peru 12468
- I II *Neobesseyia cubensis* (Britton & Rose) Hest. 5607  
I 5607 Cuba 5607
- V II *Neobuxbaumia euphorbioides* (Haw.) F. Buxb. 15964  
V 15964 Mexico - Tamaulipas 12437  
V 15964 Mexico - Veracruz 12787
- I II *Neobuxbaumia macrocephala* (A. Weber) Dawson 15964  
I 15964 Mexico - Puebla 12787
- R II *Neobuxbaumia polylopha* (DC.) Backeb. 12469  
R 15964 Mexico - Hidalgo 12787  
R 15964 Mexico - Queretaro 12787
- R II *Neoporteria andreaeana* 15964  
R 15964 Argentina 15964
- R II *Neoporteria aricensis* (Ritter) Don & G.D.  
Rowley 15964  
R 15964 Chile 19034
- Ex II *Neoporteria aspillagae* 15964  
Ex 19034 Chile 15964
- R II *Neoporteria bulbocalyx* 15964  
R 15964 Argentina 15964
- V II *Neoporteria carrizalensis* (Ritter) A. Hoffmann var. *carrizalensis* 19034  
V 19034 Chile 19034
- V II *Neoporteria carrizalensis* (Ritter) A. Hoffmann var. *tortalensis* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- E II *Neoporteria chilensis* (Hildmann) Britton & Rose 15964  
E 15964 Chile 19034
- V II *Neoporteria clavata* (Soehr.) Werdermann var. *nigrihorrida* (Backeb.) A. Hoffmann 19034  
V 19034 Chile 19034
- R II *Neoporteria confinis* 15964  
R 15964 Chile 15964
- R II *Neoporteria crispa* (F. Ritter) Donald & Rowley 15964  
R 15964 Chile 15964
- V II *Neoporteria curvispina* (Bert.) Don & G.D.  
Rowley 15964  
V 19034 Chile 19034
- V II *Neoporteria eriosyroides* (Ritter) Don & G.D.  
Rowley 15964  
V 19034 Chile 19034
- V II *Neoporteria horrida* (Reny ex Gay) Hunt var. *armata* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- V II *Neoporteria horrida* (Reny ex Gay) Hunt var. *coliguayensis* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- V II *Neoporteria horrida* (Reny ex Gay) Hunt var. *horrida* 19034  
V 19034 Chile 19034
- V II *Neoporteria horrida* (Reny ex Gay) Hunt var. *limariensis* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- V II *Neoporteria horrida* (Reny ex Gay) Hunt var. *odoriflora* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- I II *Neoporteria islayensis* (Forst.) Donald & Rowley 15964  
I 19034 Chile 19034

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Neoporteria*

- E 12468 Peru 15964
- V II *Neoporteria jussieui* (Monville) Britton & Rose var. *chaniarensis* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- I II *Neoporteria jussieui* (Monville) Britton & Rose var. *chorosensis* (Ritter) A. Hoffmann 19034  
I 19034 Chile 19034
- V II *Neoporteria jussieui* (Monville) Britton & Rose var. *dimorpha* (Ritter) A. Hoffmann 19034  
V 19034 Chile 19034
- I II *Neoporteria jussieui* (Monville) Britton & Rose var. *huascensis* (Ritter) A. Hoffmann 19034  
I 19034 Chile 19034
- V II *Neoporteria jussieui* (Monville) Britton & Rose var. *jussieui* 19034  
V 19034 Chile 19034
- I II *Neoporteria jussieui* (Monville) Britton & Rose var. *setosiflora* (Ritter) A. Hoffmann 19034  
I 19034 Chile 19034
- I II *Neoporteria jussieui* (Monville) Britton & Rose var. *wagenknechtii* (Ritter) A. Hoffmann 19034  
I 19034 Chile 19034
- I II *Neoporteria kunzei* (Foerster) Backeb. var. *confinis* (Ritter) A. Hoffmann 19034  
I 19034 Chile 19034
- V II *Neoporteria kunzei* (Foerster) Backeb. var. *kunzei* 19034  
V 15964 Chile 19034
- R II *Neoporteria napina* (Phil.) Backeb. & Dolz 15964  
R 15964 Chile 19034
- E II *Neoporteria nidus* (Soehr.) Werdermann var. *coimasensis* (Ritter) A. Hoffmann 19034  
E 15964 Chile 19034
- E II *Neoporteria nidus* (Soehr.) Werdermann var. *gerocephala* (Ito) Ritter 19034  
E 15964 Chile 19034
- E II *Neoporteria nidus* (Ritter) A. Hoffmann var. *multicolor* 19034  
E 15964 Chile 19034
- E II *Neoporteria nidus* (Soehr.) Britton & Rose var. *nidus* 19034  
E 15964 Chile 19034
- E II *Neoporteria occulta* (Schumann) 15964  
E 15964 Chile 19034
- E II *Neoporteria odieri* (Salm Dyck) 15964  
E 15964 Chile 19034
- R II *Neoporteria pilispina* 15964  
R 15964 Chile 15964
- E II *Neoporteria recondita* (Ritter) Don & G.D. Fowley 15964  
E 15964 Chile 19034
- E II *Neoporteria simulans* (Ritter) Don & G.D. Fowley 15964  
E 15964 Chile 19034
- R II *Neoporteria sociabilis* 15964  
R 15964 Chile 15964
- R II *Neoporteria strausiana* 15964  
R 15964 Argentina 15964
- V II *Neoporteria taltalensis* Hutchinsonson 15964
- V 19034 Chile 19034
- R II *Neoporteria umadeave* 15964  
R 15964 Argentina 15964
- V II *Neoporteria vallenarensis* 15964  
V 15964 Chile 15964
- R II *Neoporteria villicumensis* 15964  
R 15964 Argentina 15964
- R I *Obregonia denegrii* Fric 15964  
R 20067 Mexico - Tamaulipas 9114
- R II *Opuntia anteojoensis* D.J. Pinkava 15964  
R 19848 Mexico 15964
- E II *Opuntia atacamensis* Phil. 15964  
E 19535 Chile 15964
- E II *Opuntia aureispina* (Brack & Heil) Pinkava & Parfitt 20850, 15964  
E 20850 U.S. - Texas 20850
- R II *Opuntia basilaris* Engelm. & Bigelow var. *aurea* (E.M. Baxter) W.T. Marsh. 20850, 14662  
R 20850 U.S. - Arizona 20850  
I 20850 U.S. - Utah 20850
- E II *Opuntia basilaris* Engelm. & Bigelow var. *brachyclada* (Griffiths) Munz 20850  
E 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E II *Opuntia basilaris* Engelm. & Bigelow var. *heilii* Welsh & Neese 20850  
E 20850 U.S. - Utah 20850
- V II *Opuntia basilaris* Engelm. & Bigelow var. *treleasei* (Coul.) Coul. ex Toumey 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Utah 20850
- V II *Opuntia basilaris* Engelm. & Bigelow var. *woodburyi* W.H. Earle 20850, 14662  
20850 U.S. - Utah 20850
- R II *Opuntia bigelovii* Engelm. 20850, 14662  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
? Mexico 15964
- V II *Opuntia bigelovii* Engelm. var. *hoffmannii* Fosberg 20850  
I 20850 U.S. - California 20850
- I II *Opuntia borinquensis* Britt. & Rose 15964  
I 15106 Puerto Rico 14662
- I II *Opuntia brachyclada* 15964  
I 15964 United States of America 15964
- R II *Opuntia bravoana* E. Baxter 12469  
R 15964 Mexico 12469
- R II *Opuntia camachoii* 15964  
R 15964 Chile 15964
- R II *Opuntia chaffeyi* Britton & Rose 12469  
R 19850 Mexico 12469
- R II *Opuntia clavarioides* 15964  
R 15964 Argentina 15964
- R II *Opuntia clavata* Engelm. 20850, 15964  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- I II *Opuntia echios* J. Howell var. *barringtonensis* E. Dawson 11117  
I 15964 Ecuador - Galapagos (Santa Fe) 11117



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Opuntia*

- I** **II** *Opuntia echios* J. Howell var. *echios* 11117  
**I** 15964 Ecuador - Galapagos 11117
- I** **II** *Opuntia echios* J. Howell var. *gigantea* (J. Howell)  
**D. Porter** 11117  
**I** 15964 Ecuador - Galapagos (Santa Cruz) 11117
- I** **II** *Opuntia echios* J. Howell var. *inermis* E.  
**Dawson** 11117  
**I** 15964 Ecuador - Galapagos (V. Sierra Negra, Isabela)  
 11117
- I** **II** *Opuntia echios* J. Howell var. *zacana* (J. Howell)  
**E.F. Anders. & Walk.** 11117  
**I** 15964 Ecuador - Galapagos (Floreana) 11117
- E** **II** *Opuntia engelmannii* (Griffiths) Parfitt & Pinkava var.  
*flexospina* (Griffiths) Parfitt & Pinkava 20850  
**E** 20850 U.S. - Texas 20850
- E** **II** *Opuntia engelmannii* (Griffiths) Parfitt & Pinkava var.  
*linguiformis* (Griffiths) Parfitt & Pinkava 20850  
**E** 20850 U.S. - Texas 20850
- R** **II** *Opuntia excelsa* Sanchez-Mej. 12469  
**R** 19850 Mexico - Jalisco 16385
- I** **II** *Opuntia flexospina* 15964  
**I** 15964 United States of America 15964
- I** **II** *Opuntia fosbergii* 15964  
**I** 15964 United States of America 15964
- R** **II** *Opuntia fulgida* Engelm. 20850, 14662  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
 ? Mexico 15964
- V** **II** *Opuntia fuliginosa* Griffiths 12469  
**V** 16385 Mexico - Morelos 16385
- I** **II** *Opuntia galapageia* Henslow var.  
*galapageia* 11117  
**I** 15964 Ecuador - Galapagos 11117
- I** **II** *Opuntia galapageia* Henslow var. *macrocarpa* E.  
**Dawson** 11117  
**I** 15964 Ecuador - Galapagos (Pinzon) 11117
- I** **II** *Opuntia galapageia* Henslow var. *profusa* E.F.  
**Anderson & Walkington** 11117  
**I** 15964 Ecuador - Galapagos (Rabida) 11117
- V** **II** *Opuntia gosseliniana* A. Weber 20850  
**I** 20850 U.S. - Arizona 20850
- V** **II** *Opuntia heacockiae* Arp 20850, 15964  
**I** 20850 U.S. - Colorado 20850
- R** **II** *Opuntia helleri* Schumann 11117  
**R** 15964 Ecuador - Galapagos 11117
- E** **II** *Opuntia imbricata* Haw. var. *argentea*  
**Anthony** 20850  
**E** 20850 U.S. - Texas 20850
- R** **II** *Opuntia insularis* A. Stewart 11117  
**R** 15964 Ecuador - Galapagos 11117
- E** **II** *Opuntia jamaicensis* Britton & Harris 20883, 15964  
**E** 13336 Jamaica 20883
- Ex** **II** *Opuntia linguiformis* 15964  
**Ex** 15964 United States of America 15964
- R** **II** *Opuntia littoralis* (Engelm.) Cockerell 20850, 15964  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
 ? Mexico 15964
- V** **II** *Opuntia macracantha* 15964  
**V** 19105 Cuba 19105
- V** **II** *Opuntia martiniana* (L. Benson) Parfitt 20850, 15964  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850
- V** **II** *Opuntia megarhiza* Rose 12469  
**V** 19850 Mexico - San Luis Potosi 19850
- V** **II** *Opuntia megasperma* J. Howell var.  
*megasperma* 11117  
**V** 14980 Ecuador - Galapagos (Champion; Floreana)  
 5670
- R** **II** *Opuntia megasperma* J. Howell var. *mesophytica*  
**Lundh** 11117  
**R** 15964 Ecuador - Galapagos 11117
- R** **II** *Opuntia megasperma* J. Howell var. *orientalis* (J.  
**Howell**) **D. Porter** 11117  
**R** 15964 Ecuador - Galapagos 11117
- R** **II** *Opuntia microdasys* (J. Lehm.) Pfeiffer var.  
*albispina* Fobe 12469  
**R** 14290 Mexico - San Luis Potosi 14290
- R** **II** *Opuntia molinensis* 15964  
**R** 15964 Argentina 15964
- I** **II** *Opuntia multigeniculata* 15964  
**I** 15964 United States of America 15964
- E** **II** *Opuntia munzii* C.B. Wolf 20850, 15964  
**E** 20850 U.S. - California 20850
- R** **II** *Opuntia oricola* Philbrick 20850, 14662  
**I** 20850 U.S. - California 20850  
 ? Mexico 15964
- E** **II** *Opuntia pachypus* Schumann 12468  
**E** 15964 Peru 12468
- R** **II** *Opuntia parryi* Engelm. 20850  
**I** 20850 U.S. - California 20850
- R** **II** *Opuntia polyacantha* Haw. var. *juniperina* (Britt. &  
**Rose**) **L. Benson** 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Utah 20850  
**E** 20850 U.S. - Wyoming 20850
- I** **II** *Opuntia pusilla* (Haw.) Nutt. 15964  
**I** 19002 U.S. - North Carolina 14662
- R** **II** *Opuntia rosarica* G. Lindsay 16385  
**R** 19848 Mexico - Baja California Peninsula  
 16385
- E** **II** *Opuntia sanguinea* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- R** **II** *Opuntia santamaria* (Baxter) H. Bravo-Holl. 16385  
**R** 19848 Mexico - Baja California Sur 16385
- V** **II** *Opuntia santa-rita* (Griffiths & Hare) Rose 20850,  
 15964  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Texas 20850
- R** **II** *Opuntia saxicola* J. Howell 11117  
**R** 15964 Ecuador - Galapagos (V. Cerro Azul, Isabela)  
 11117
- R** **II** *Opuntia spinosissima* P. Mill. 20883, 20850, 15964  
**E** 20850 U.S. - Florida 20850  
**R** 20883 Jamaica 20883  
**R** 20883 Puerto Rico 20883  
**R** 20883 British Virgin Is. (Green Cay) 20883  
**R** 20883 USA - Virgin Is. 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Opuntia*

- V || *Opuntia stenopetala* Engelm. var. *inermis* H.  
Bravo-Holl. 16385  
V 16385 Mexico - Hidalgo 16385  
V 16385 Mexico - Queretaro 16385
- R || *Opuntia tarapacana* Phil. 15964  
R 19535 Chile 15964
- V || *Opuntia tetracantha* Toumey 20883, 20850, 15964  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- I || *Opuntia treleasei* Coult. 14662  
I 15964 U.S. - California 14662
- I || *Opuntia werneri* 21307  
I 21307 Brazil 21307
- V || *Opuntia whipplei* Engelm. & Bigelow 20850, 14662  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - Nevada 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Utah 20850
- E || *Opuntia whipplei* Engelm. & Bigelow var.  
*multigeniculata* (Clokey) L. Benson 20850  
I U.S. - Arizona  
E 20850 U.S. - Nevada 20850
- R || *Opuntia wigginsii* L. Benson 20850, 15964  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850
- E || *Opuntia yanganucensis* (Rauh & Backeb.) G.  
Rowley 15964  
E 12468 Peru 15964
- V || *Oreocereus australis* 15964  
V 15964 Chile 15964
- R || *Oreocereus hempelianus* (Guerke) D. Hunt 15964  
V 15964 Chile 5598  
R 18200 Peru 15964
- V || *Ortegocactus macdougalii* Alex. 12469  
V 15964 Mexico 12469
- R || *Pachycereus fulviceps* (F.A.C. Weber ex Schumann) D.  
Hunt 15964  
R 19850 Mexico 19850
- E || *Pachycereus gaumeri* Britton & Rose 15964  
E 19848 Mexico - Chiapas 16385  
E 19848 Mexico - Yucatan 16385
- E | *Pediocactus bradyi* L. Benson 20850, 15964  
E 20850 U.S. - Arizona 20850
- V | *Pediocactus despainii* Welsh & Goodrich 20850, 15964  
V 20850 U.S. - Utah 20850
- E | *Pediocactus knowltonii* L. Benson 20850, 15964  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - New Mexico 20850
- V | *Pediocactus paradinei* B.W. Benson 20850, 15964  
V 20850 U.S. - Arizona 20850
- V || *Pediocactus peeblesianus* (Croizat) L. Benson 20850  
V 20850 U.S. - Arizona 20850
- V | *Pediocactus peeblesianus* (Croizat) L. Benson var.  
*fickeniseniae* L. Benson 20850  
V 20850 U.S. - Arizona 20850
- E | *Pediocactus peeblesianus* (Croizat) L. Benson var.  
*peeblesianus* 20850, 20079  
E 20850 U.S. - Arizona 20850
- R | *Pediocactus sileri* (Engelm.) L. Benson 20850, 19582  
R 20850 U.S. - Arizona 20850
- E 20850 U.S. - Utah 20850
- R || *Pediocactus simpsonii* (Engelm.) Britt. & Rose var.  
*minor* (Engelm.) Cockerell 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850  
I 20850 U.S. - Wyoming 20850
- E | *Pediocactus winkleri* Heil 20850, 15964  
E 20850 U.S. - Utah 20850
- R | *Pelecyphora aselliformis* Ehrenb. 15964  
R 20067 Mexico - San Luis Potosi 9114
- V | *Pelecyphora strobiliformis* (Werderm.) Fric &  
Schelle 15964  
V 20067 Mexico - Nuevo Leon 12437  
E 20067 Mexico - Tamaulipas 9114
- R || *Peniocereus cuixmalensis* Sánchez-Mej. 15964  
R 19850 Mexico 15964
- R || *Peniocereus fosterianus* Cutak var.  
*fosterianus* 12469  
R 15964 Mexico 12469
- I || *Peniocereus fosterianus* Cutak var. *multitepalus*  
Sánchez-Mej.  
I 15964 Mexico 15964
- R || *Peniocereus fosterianus* Cutak var. *nizandensis*  
Sánchez-Mej. 14255  
R 15964 Mexico - Chiapas 14255  
R 15964 Mexico - Oaxaca 14255
- R || *Peniocereus greggii* Britton & Rose 15964  
I 15964 U.S. - Arizona 8058  
I 8058 U.S. - California 8058  
I 8058 U.S. - New Mexico 8058  
I 8058 U.S. - Texas 8058  
R 19850 Mexico 8058
- V || *Peniocereus greggii* var. *greggii* 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R || *Peniocereus lazaro-cardenasii* (Contereras) D.  
Hunt 15964  
R 19850 Mexico 19850
- R || *Peniocereus maculatus* (Weing.) Cutak 12469  
R 15964 Mexico - Guerrero 16385
- R || *Peniocereus marianus* (Gentry) Sánchez-Mej. 12469  
R 15964 Mexico - Sinaloa 16385  
R 15964 Mexico - Sonora 16385
- I || *Peniocereus rosei* G. Ortega 12469  
I 15964 Mexico 12469
- R || *Peniocereus striatus* (Brandege) F. Buxbaum 15964  
R 19893 U.S. - Arizona 19893  
R 19893 Mexico 19893
- R || *Peniocereus tepalcatepecanus* Sánchez-Mej. 12469  
R 15964 Mexico - Michoacan 16385
- R || *Peniocereus zopilotensis* (J. Meyrán) F. Buxham 15964  
R 15964 Mexico - Guerrero 12787
- R || *Pereskia aureiflora* Ritter 20883, 15964  
R 20883 Brazil 20883
- R || *Pereskia bahiensis* Gurke 20883, 15964  
R 20883 Brazil 20883
- R || *Pereskia diaz-romeroana* Cárdenas 20883, 15964  
R 20883 Bolivia 20883
- V || *Pereskia grandifolia* Haw. var. *violacea*  
Leuenberger 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Pereskia*

- R 20883 Brazil 20883
- V || *Pereskia humboldtii* Britton & Rose var. *humboldtii* 20883  
V 20883 Peru 20883
- V || *Pereskia humboldtii* Britton & Rose var. *rauhii* (Backeberg) Leuenber 20883  
V 20883 Peru 20883
- R || *Pereskia portulacifolia* (Linnaeus) De Candolle 20883, 5642  
V 20883 Dominican Republic 20883  
R 20883 Haiti 20883
- E || *Pereskia quisqueyana* Liogier 20883, 15964  
E 20883 Dominican Republic 20883
- V || *Pereskia weberiana* K. Schumann. 20883, 15964  
V 20883 Bolivia 20883
- R || *Pereskia zinniiflora* De Candolle 20883, 15964  
R 20883 Cuba 20883
- I || *Pilosocereus aurisetus* ssp. *auritanatus* 21307  
I 21307 Brazil 21307
- I || *Pilosocereus floccosus* ssp. *quadricostatus* 21307  
I 21307 Brazil 21307
- R || *Pilosocereus fulvilanatus* 15964  
R 15964 Brazil 15964
- I || *Pilosocereus robinii* (L.) Byles & Rowley 20883, 20850, 19718  
I 20850 U.S. - Florida 20850  
V 15964 Cuba 15964  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- E || *Pilosocereus robinii* var. *deeringii* (Small) Kartesz & Gandhi 20850  
E 20850 U.S. - Florida 20850
- I || *Pilosocereus robinii* (L.) Byles & Rowley var. *robinii* 20883, 20850  
E 20850 U.S. - Florida 20850  
I 20883 Cuba 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R || *Pilosocereus rosae* 15964  
R 15964 Brazil 15964
- R || *Pilosocereus tehuacanus* (Weing.) Byles & Rowl. 15964  
R 12787 Mexico - Puebla 12787
- R || *Pilosocereus ulei* 15964  
R 15964 Brazil 15964
- R || *Pilosocereus vilaboensis* 15964  
R 15964 Brazil 15964
- V || *Pseudorhipsalis alata* (Swartz) Britton & Rose 15964  
V 13336 Jamaica 15964
- R || *Pseudorhipsalis lankesteri* (Kimmnach) W. Barthlott 15964  
R 15964 Costa Rica 15964
- R || *Pyrrhocactus duripulpa* Ritt. 5598  
R 5598 Chile 5598
- E || *Pyrrhocactus esmeraldana* Ritt. 5598  
E 5598 Chile 5598
- E || *Pyrrhocactus fankhauseri* Ritt. 5598  
E 5598 Chile 5598
- V || *Pyrrhocactus fulva* Ritt. 5598  
V 5598 Chile 5598
- R || *Pyrrhocactus hypogea* Ritt. 5598  
R 5598 Chile 5598
- E || *Pyrrhocactus imitans* Backeb. 5598  
E 5598 Chile 5598
- E || *Pyrrhocactus kraussii* Ritt. 15964  
E 19535 Chile 15964
- E || *Pyrrhocactus laniceps* Ritt. 5598  
E 5598 Chile 5598
- R || *Pyrrhocactus limariensis* 15964  
R 15964 Chile 15964
- Ex || *Pyrrhocactus longirama* Ritt. 5598  
Ex 5598 Chile 5598
- E || *Pyrrhocactus malleota* Ritt. 5598  
E 5598 Chile 5598
- E || *Pyrrhocactus napinus* Philippi 5598  
E 5598 Chile 5598
- R || *Pyrrhocactus nigriscoparia* Backeb. 5598  
R 5598 Chile 5598
- Ex || *Pyrrhocactus nuda* Ritt. 5598  
Ex 5598 Chile 5598
- E || *Pyrrhocactus odieri* Ritt. 5598  
E 5598 Chile 5598
- R || *Pyrrhocactus olivana* Ritt. 19534  
R 19534 Chile 19534
- E || *Pyrrhocactus pseudoreichei* Lembeck & Backeb. 5598  
E 19535 Chile 5598
- E || *Pyrrhocactus reichei* Schumann 5598  
E 19535 Chile 5598
- E || *Rebutia neumanniana* 15964  
E 16336 Argentina 16336  
E 20185 Argentina - Jujuy (Humahuaca) 20175
- I || *Rhipsalis baccifera* ssp. *hileibaiana* 21307  
I 21307 Brazil 21307
- I || *Rhipsalis burchellii* 15964  
I 21307 Brazil 15964
- I || *Rhipsalis cereoides* 15964  
I 21307 Brazil 15964
- I || *Rhipsalis mesembryanthoides* 15964  
I 21307 Brazil 15964
- I || *Rhipsalis pacheo-leonis* ssp. *pacheo-leonis* 21307  
I 21307 Brazil 21307
- I || *Rhipsalis pilocarpa* 15964  
I 21307 Brazil 15964
- R || *Schlumbergera kautskyi* 15964  
R 15964 Brazil 15964
- E || *Schlumbergera orssichiana* 15964  
E 15964 Brazil 15964
- V || *Schlumbergera truncata* 15964  
V 15964 Brazil 15964
- E || *Sclerocactus blainei* Welsh & Thorne 20850  
E 20850 U.S. - Nevada 20850
- R || *Sclerocactus erectocentrus* (Coult.) N.P. Taylor 20850  
R 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20883 Mexico 20883
- E || *Sclerocactus erectocentrus* var. *acunensis* (W.T. Marsh) H. Bravo 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Sclerocactus*

- V 20078 U.S. - Arizona 20078  
 I 20883 Mexico 20883  
 I 20078 Mexico - Sonora 9114
- R I *Sclerocactus glaucus* (J.A. Purpus ex K. Schum.) L.  
 Benson 20850, 15964  
 R 20850 U.S. - Colorado 20850  
 R 20850 U.S. - Utah 20850
- V I *Sclerocactus mariposensis* (Hester) N.P.  
 Taylor 20883, 20850, 15964  
 V 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883  
 V 19850 Mexico - Coahuila 8058
- V I *Sclerocactus mesae-verdae* (Boissevain ex Boissevain & C. Davids.) L. Benson 20850, 15964  
 V 20850 U.S. - Colorado 20850  
 V 20850 U.S. - New Mexico 20850
- V I *Sclerocactus papyracanthus* (Engelm.) N.P.  
 Taylor 20883, 20850, 15964  
 V 20850 U.S. - Arizona 20850  
 V 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- R II *Sclerocactus parviflorus* Clover & Jotter var. *intermedius* (Peebles) Woodruff & L. Benson 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Colorado 20850  
 R 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Utah 20850
- E II *Sclerocactus schlesseri* Heil & Welsh 20850  
 E 20850 U.S. - Nevada 20850
- V II *Sclerocactus spinosior* (Engelm.) Woodruff & L. Benson 20850  
 E 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Colorado 20850  
 V 20850 U.S. - Utah 20850
- R II *Sclerocactus unguispinus* (Engelm.) N.P. Taylor 15964  
 R 19850 Mexico - San Luis Potosi 15964
- R II *Sclerocactus whipplei* (Eng. & Bigel.) Britton & Rose var. *heilii* Castetter, Pierce & Schwerin 20850  
 R 20850 U.S. - New Mexico 20850
- E I *Sclerocactus wrightiae* L. Benson 20850, 15964  
 E 20850 U.S. - Utah 20850
- V II *Selenicereus anthonyanus* (Alex.) D.R. Hunt 15964  
 V 14253 Mexico - Chiapas 12469
- R II *Selenicereus atopilosus* Kimmach 16390  
 R 16385 Mexico - Jalisco 16385
- R II *Selenicereus brevispinus* Britton & Rose 5607  
 R 15964 Cuba (Camaguey) 5607
- V II *Selenicereus chrysocardium* (Alexander) Kimmach 15964  
 V 19850 Mexico - Chiapas 14249  
 V 19850 Mexico - Tabasco 14249
- R II *Selenicereus donkelaarii* (Salm-Dyck) Britton & Rose 15964  
 R 14254 Mexico - Yucatan 12469
- R II *Selenicereus hamatus* (Scheidw.) Britton & Rose 12469  
 R 15964 Mexico 12469
- I II *Selenicereus innesii* Kimmach 5607  
 I 15964 St Vincent (near Owia) 8767
- R II *Stenocactus coptonogonus* (Lemaire) A. Berger  
 R 19850 Mexico 15964
- R II *Stenocactus sulphureus* (Dietrich) H. Bravo-Hollis 19850  
 R 19850 Mexico 15964
- R II *Stenocereus chachalapensis* (H. Bravo-Holl. & Macdougall) F. Buxb.  
 R 12787 Mexico - Oaxaca 12787
- V II *Stenocereus eruca* (K. Brandegee) Gibson & Horak 12787  
 E 20067 Mexico - Baja California Peninsula 12437  
 V 20067 Mexico - Baja California Sur 20067
- R II *Stenocereus martinezii* (G. Ortega) H. Bravo-Holl.  
 R 19848 Mexico - Sinaloa 12787
- R II *Tacinga braunii* 15964  
 R 15964 Brazil 15964
- V II *Thelocactus bicolor* (Pfeiffer) Britton & Rose var. *bolaensis* (Runge) A. Berger 12437  
 V 12437 Mexico - Coahuila 12437
- V II *Thelocactus bicolor* (Pfeiffer) Britton & Rose var. *flavidispinus* Backeberg 20883, 20850, 19002  
 V 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- V II *Thelocactus bicolor* (Pfeiffer) Britton & Rose var. *schwarzii* (Backeberg) E.F. Anderson 20067  
 V 20067 Mexico - Tamaulipas 20067
- V II *Thelocactus conothelos* (Regel & Klein) Backeberg & Knuth var. *argenteus* C. Glass & R. Foster 14281  
 V 20067 Mexico - Nuevo Leon 20067
- V II *Thelocactus conothelos* (Regel & Klein) Backeberg & Knuth var. *aurantiacus* C. Glass & R. Foster 11419  
 V 20067 Mexico - Nuevo Leon 11419
- V II *Thelocactus hastifer* (Werderm. & Bodecker) F.M. Knuth 15964  
 V 20067 Mexico - Queretaro 20067
- R II *Thelocactus heterochromus* (A. Weber) V. Oosten 15964  
 R 19850 Mexico 15964
- R II *Thelocactus leucacanthus* (Zucc.) Britton & Rose var. *ehrenbergii* (Pfeiffer) H. Bravo-Holl. 19850  
 R 19850 Mexico 15964
- V II *Thelocactus macdowellii* (Rebut ex Quehl) C. Glass 12529  
 V 20067 Mexico - Coahuila 12437
- R II *Thelocactus rinconensis* (Poselger) Britton & Rose var. *nidulans* (Quehl) Glass & R. Foster 19850  
 R 19850 Mexico 19850
- V II *Thelocactus tulensis* (Poselger) Britton & Rose 15964  
 V 15964 Mexico 12469
- V II *Thelocactus tulensis* (Poselger) Britton & Rose var. *matudae* (Sánchez-Mejorada & A. Lau) E.F. Anderson 14281  
 V 20067 Mexico - Nuevo Leon 15964
- E II *Thelocephala krausii* 15964  
 E 15964 Chile 15964
- E II *Trichocereus atacamensis* (Philippi) Marshall & Bock 11748  
 E 19534 Chile 11748
- V I *Turbinicarpus gielsdorfianus* (Werderm.) John & Riha 15964  
 V 19850 Mexico - San Luis Potosi 9114  
 V 21263 Mexico - Tamaulipas 21263
- V I *Turbinicarpus hoferi* J.M. Luthy & A.B. Lau 21384, 19850  
 V 19850 Mexico 19850

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cactaceae: *Turbincarpus*

- R** 1 *Turbincarpus knuthianus* (Boed.) John & Riha 15964  
R 12469 Mexico - San Luis Potosi 15964
- V** 1 *Turbincarpus laui* C. Glass & R. Foster 9114  
V 20067 Mexico - San Luis Potosi 9114
- V** 1 *Turbincarpus lophophoroides* (Werderm.) F. Buxb. & Backeb. 14273  
V 16360 Mexico - San Luis Potosi 14273
- V** 1 *Turbincarpus mandragora* (Berger) A. Zimmerman 15964  
V 19850 Mexico - Coahuila 9114
- V** 1 *Turbincarpus pseudomacrolele* (Backeb.) F. Buxb. & Backeb. 20067  
V 20067 Mexico - Queretaro 9114
- I** 1 *Turbincarpus saueri* (Boedeker) John & Riha 15964  
I 19850 Mexico - Coahuila 9114  
I 19850 Mexico - Tamaulipas 14273
- E** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *flaviflorus* (G. Frank) C. Glass & R. Foster 14273  
E 14273 Mexico - Nuevo Leon 14273  
E 14273 Mexico - San Luis Potosi 14273  
E 14273 Mexico - Tamaulipas 14273
- V** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *gracilis* (C. Glass & R. Foster) C. Glass & R. Foster 14273  
V 14273 Mexico - Nuevo Leon 14273
- V** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *klinkerianus* (Backeberg & H.J. Jacobsen) C. Glass & R. Foster 14273  
V 20067 Mexico - San Luis Potosi 14273
- V** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *macrochele* (Werderm.) C. Glass & R. Foster 14273  
V 20067 Mexico - San Luis Potosi 14273
- V** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *schmiedickeanus* 9019  
V 20067 Mexico - Tamaulipas 14273
- V** 1 *Turbincarpus schmiedickeanus* (Bödeker) F. Buxb. & Backeb. var. *schwarzii* (Shurly) C. Glass & R. Foster 14273  
V 20067 Mexico - San Luis Potosi 14273
- V** 1 *Turbincarpus schwarzii* (Shurly) Backeb. 21384, 15964  
V 21263 Mexico - Tamaulipas 21263
- V** 1 *Turbincarpus subterraneus* (Backeb.) A. Zimmerman var. *zaragosae* (Glass & Foster) A. Zimmerman 20067  
V 20067 Mexico - Nuevo Leon 20067
- V** 1 *Turbincarpus swoboda* L. Diers 21384, 19850  
V 19850 Mexico 19850
- V** 1 *Turbincarpus ysabelae* (K. Schlange) John & Riha 21384, 15964  
V 19850 Mexico 15964
- E** 1 *Uebelmannia buiningii* Donald 14964  
E 15964 Brazil - Minas Gerais (east) 14964  
*Uebelmannia flavispina* Buining & Brederoo 21384, 14964  
R 15964 Brazil - Minas Gerais (east) 14964
- V** 1 *Uebelmannia gummifera* (Backeb. & Voll) Buining 14964  
V 15964 Brazil - Minas Gerais (east) 14964
- I** 1 *Uebelmannia pectinifera* Buin ssp. *flavispina* (Buin. & Bred.) Braun & Est 21307  
I 21307 Brazil 21307
- V** 1 *Uebelmannia pectinifera* Buin. ssp. *horrida* (Braun) Braun & Est 21384, 14964  
V 15964 Brazil - Minas Gerais (east) 14964
- V** 1 *Uebelmannia pectinifera* Buining var. *pectinifera* 14964  
V 15964 Brazil - Minas Gerais (east) 14964
- V** 1 *Uebelmannia pectinifera* Buining var. *pseudopectinifera* 14964  
V 15964 Brazil - Minas Gerais 14964
- R** II *Weberocereus bradei* (Britton & Rose) Rowley 15964  
R 14260 Costa Rica 15964
- R** II *Weberocereus imitans* (Kinnach & Hutch.) D. Hunt 15964  
R 14260 Costa Rica 15964
- E** II *Weberocereus rosei* 15964  
E 15964 Ecuador 15964
- I** II *Weberocereus tonduzii* (A. Weber) Rowley 15964  
I 14253 Costa Rica 15964  
V 14253 Panama 14253
- R** II *Weberocereus trichophorus* Johnson & Kinnach 14255  
R 14255 Costa Rica 14255

## Callitrichaceae

Number of genera: 1  
Number of species: 35  
Recorded threatened species: 5 (14%)

Cosmopolitan, centered in temperate zones.

- R** *Callitriche brachycarpa* Hegelm. 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- V** *Callitriche cyclocarpa* Hegelm. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- E** *Callitriche fassettii* Schotsman 20850  
I 20850 U.S. - Oregon 20850
- V** *Callitriche longipedunculata* Morong 20850  
I 20850 U.S. - California 20850
- V** *Callitriche trochlearis* Fassett 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850

## Calycanthaceae

Number of genera: 3  
Number of species: 5  
Recorded threatened species: 3 (60%)

China; North America.

- E** *Calycanthus brockiana* Ferry & Ferry 20850  
I 20850 U.S. - Georgia 20850
- V** *Calycanthus chinensis* Cheng & S.Y. Chang 17617  
V 17617 China - Zhejiang (Lingan, Tiantai) 11139
- R** *Calycanthus occidentalis* Hook. & Arn. 20850  
I 20850 U.S. - California 20850

## Calyceraceae

Number of genera: 6  
Number of species: 60  
Recorded threatened species: 1 (1%)

Central and South America.

- R** *Nastanthus falklandicus* David Moore  
R Falkland Is.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Magnoliaceae: *Nastanthus*

Campanulaceae

Number of genera: 70  
 Number of species: 2,000  
 Recorded threatened species: 428 (21%)

Cosmopolitan.

- V *Adenophora hatsusimae* Kitam. 10573  
 V 10573 Japan 10573
- I *Adenophora jacutica* Fed. 5942  
 I 5942 Russia (Far East) - Khabarovsk 5942
- V *Adenophora maximowicziana* Makino 10573  
 V 10573 Japan 10573
- R *Adenophora takedae* Makino var. *howozana*  
 Sugimoto 10573  
 R 10573 Japan 10573
- R *Adenophora tashiroi* Makino & Nakai 10573  
 R 10573 Japan 10573
- R *Adenophora taurica* (Sukaczew) Juz. 8000, 20171  
 R former European USSR 8000
- R *Adenophora teramotoi* Hurusawa & Yamaz. 10573  
 R 10573 Japan 10573
- R *Adenophora triphylla* A. DC. var. *puellaris*  
 Hara 10573  
 R 10573 Japan 10573
- I *Apetahia longistigmata* (F. Brown) F. Wimmer 20845  
 I 20845 French Polynesia - Marquesas Is 20845
- R *Apetahia margaretae* (F. Brown) F. Wimmer 20845  
 E 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- E *Apetahia raiateensis* Baillon 20845  
 E 20845 French Polynesia - Society Is. (Raitea) 20845
- R *Asyneuma babadaghensis* Yildiz & Kit Tan 12840  
 R 12840 Turkey 12840
- R *Asyneuma comosiforme* Hayek & Janch. 20178, 20171  
 R 20178 Albania 20178
- R *Asyneuma compactum* (Boiss. & Heldr.) Damboldt 12840  
 R 12840 Turkey 12840
- R *Asyneuma davisianum* Yildiz & Kit Tan 12840  
 R 12840 Turkey 12840
- R *Asyneuma ekimianum* Kit Tan & Yikdiz 12840  
 R 12840 Turkey 12840
- V *Asyneuma giganteum* (Boiss.) Bornm. 17891  
 V 20731 Greece - East Aegean Is 20731
- R *Asyneuma ilgazensis* Yildiz & Kit Tan 12840  
 R 12840 Turkey 12840
- R *Asyneuma isauricum* Contandr. & al. 12840  
 R 12840 Turkey 12840
- R *Asyneuma linifolium* (Boiss. & Heldr.) Bornm. ssp. *eximium* (Rech.f.) Damboldt 12840  
 R 12840 Turkey 12840
- V *Asyneuma linifolium* (Boiss. & Heldr.) Bornm. ssp. *glabrum* Kit Tan & Yildiz 12840  
 V 12840 Turkey 12840
- V *Asyneuma linifolium* (Boiss. & Heldr.) Bornm. ssp. *nallihanicum* Kit Tan & Yildiz 12840  
 V 12840 Turkey 12840
- R *Asyneuma lycium* (Boiss.) Bornm. 12840  
 R 12840 Turkey 12840
- R *Asyneuma pulvinatum* Davis 12840  
 R 12840 Turkey 12840
- R *Asyneuma rigidum* (Willd.) Grossh. ssp. *graminifolium*  
 Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Asyneuma trichostegium* (Boiss.) Bornm. 12840  
 R 12840 Turkey 12840
- V *Azorina vidalii* (H.C. Watson) Feer 8000, 20171  
 V 19174 Portugal - Azores 19174
- V *Berenice arguta* Tul. 10082  
 V 14234 Réunion 14234
- E *Brighamia insignis* Gray 20850, 14209  
 E 20850 U.S. - Hawaii (Kauai, Ni'ihau) 20850
- E *Brighamia rockii* St. John 20850, 14209  
 E 20850 U.S. - Hawaii (Moloka'i) 20850
- E *Burmeistera dariensis* Wilbur 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera dendrophila* F. Wimmer 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera dukei* Wilbur 20883, 9006  
 I 20883 Panama 20883
- V *Burmeistera glauca* (F. Wimmer) Gleason 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera hammelii* Wilbur 20883, 10747  
 I 20883 Panama 20883
- E *Burmeistera kirkbridei* Wilbur 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera mcvaughii* Wilbur 20883  
 I 20883 Panama 20883
- E *Burmeistera morii* Wilbur 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera panamensis* Wilbur 20883, 9006  
 I 20883 Panama 20883
- E *Burmeistera pinnatisecta* Luteyn 20883  
 I 20883 Colombia 20883
- E *Burmeistera pirrensis* Wilbur 20883, 9006  
 I 20883 Panama 20883
- R *Burmeistera resupinata* Zahlbr. var. *heilbornii*  
 Wimm. 11351  
 R 11351 Ecuador 11351
- E *Burmeistera toroensis* Wilbur 20883, 9006  
 I 20883 Panama 20883
- V *Burmeistera utleyi* Wilbur 20883, 9006  
 I 20883 Panama 20883
- I *Campanula abietina* Griseb. 19321, 20171  
 I 19321 Slovakia 19321
- R *Campanula adsurgens* Leresche & Levier 20171  
 R Spain
- R *Campanula aghrica* Kit Tan & Sorger 12840  
 R 12840 Turkey 12840
- I *Campanula aizoon* Boiss. & Spruner ssp. *aizoides*  
 (Zafran) Fedorov 8000, 20171  
 I 20731 Greece (Mt Chelmos) 8000
- V *Campanula aizoon* Boiss. & Spruner ssp. *aizoon*  
 8000, 20171  
 V 14155 Greece (Parnassos; Giona) 8000
- I *Campanula akhdarensis* Müller & Whitcombe 20146  
 I 20146 Oman (northern) 20146

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Campanula*

- R** *Campanula alata* Desf.  
**R** Algeria  
**R** Tunisia
- R** *Campanula albicans* (Buser) Engler 20528  
**R** 20528 France (Alpes-Maritimes) 20528
- R** *Campanula alphonсии* Wall. ex DC. 13883  
**R** 13883 India (Nilgiris and Palany Hills and Western Ghats) 13883
- V** *Campanula angustiflora* Eastw. 20850  
**I** 20850 U.S. - California 20850
- R** *Campanula antalyensis* Ayasligil & Kit Tan 12840  
**R** 12840 Turkey 12840
- R** *Campanula antiatlantica* Maire M. Weiller & Wilczek  
**R** Morocco
- R** *Campanula apennina* (Podlech) Podlech 20171  
**R** Italy
- I** *Campanula ardonensis* Rupr. 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Campanula argentea* Lam. 12840  
**R** 12840 Turkey 12840
- R** *Campanula atlantica* Coss. & Durieu  
**R** Algeria  
**R** Tunisia
- I** *Campanula aurasiaca* (Battand. & Trabut) Ozenda 10488  
**I** 14958 Algeria 10488
- I** *Campanula autraniana* Albov 5942  
**I** 5942 Russia - North Caucasus 5942
- E** *Campanula barborensis* Quezel 10488  
**E** 14958 Algeria 10488
- R** *Campanula beckiana* Hayek 20171  
**I** Austria  
**R** (former) Yugoslavia
- R** *Campanula bipinnatifida* Davis 12840  
**R** 12840 Turkey 12840
- V** *Campanula bohemica* Hruby 8000, 20171  
**V** 2050 Czech Republic (Sudeten mountains) 8000
- R** *Campanula bormmuelleri* Nab. 12840  
**R** 12840 Turkey 12840
- R** *Campanula californica* (Kellogg) Heller 20850  
**R** 20850 U.S. - California 20850
- R** *Campanula carpatha* Halácsy 20171  
**R** 20730 Greece - Crete 20730
- R** *Campanula choruhensis* Kit Tan & Sorger 12840  
**R** 12840 Turkey 12840
- R** *Campanula columnaris* Contandr. et al  
**R** Greece (Vardousia)
- R** *Campanula constantini* Beauverd & Topali 20171  
**R** Greece
- R** *Campanula coriacea* Davis 12840  
**R** 12840 Turkey 12840
- R** *Campanula cretica* (ADC.) D. Dietr. 19121  
**R** 20730 Greece - Crete 20730
- R** *Campanula creutzburgii* Greuter 20171  
**R** 20730 Greece - Crete 20730
- R** *Campanula cymaea* Phitos 20171  
**R** Greece
- E** *Campanula damboldtiana* Davis & Sorger 12840  
**E** 14197 Turkey 12840
- R** *Campanula davisii* Turrill 12840
- R** 12840 Turkey 12840
- R** *Campanula delicatula* Boiss. 20171  
**R** 20731 Greece - East Aegean Is 20731
- I** *Campanula dolomitica* E. Busch 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Campanula ekimiana* Güner 12840  
**R** 12840 Turkey 12840
- R** *Campanula elatinoides* Moretti 20171  
**R** Italy
- I** *Campanula engurensis* Charadze 5942  
**I** 5942 Russia - North Caucasus 5942  
**I** 5942 Georgia 5942
- R** *Campanula euboica* Phitos 20171  
**R** Greece
- R** *Campanula exigua* Rattan 20850  
**R** 20850 U.S. - California 20850
- R** *Campanula fenestrellata* Feer 20171  
**I** 20852 Croatia 20852  
**R** (former) Yugoslavia
- V** *Campanula forsythii* (Arcang.) Podlech 20171  
**V** Italy - Sardinia
- R** *Campanula fruticulosa* (Schwarz & Davis) Damboldt 12840  
**R** 12840 Turkey 12840
- E** *Campanula gelida* Kovanda 8000, 20171  
**E** 2050 Czech Republic (northern Moravia) 6951
- R** *Campanula goulimyii* Turrill 20171  
**R** Greece
- R** *Campanula hagielia* Boiss.  
**R** Greece
- R** *Campanula hakkarica* Davis 12840  
**R** 12840 Turkey 12840
- R** *Campanula hedgei* Davis 12840  
**R** 12840 Turkey 12840
- V** *Campanula hercegovina* Degen & Fiala 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**V** (former) Yugoslavia
- R** *Campanula heterophylla* L. 20171  
**R** Greece
- R** *Campanula hierapetrae* Rech.f. 20171  
**R** 20730 Greece - Crete 20730
- R** *Campanula incurva* Aucher ex A.DC. 20171  
**R** Greece
- R** *Campanula isaurica* Contandr. et al. 12840  
**R** 12840 Turkey 12840
- V** *Campanula isophylla* Moretti 18264, 20171  
**V** 18264 Italy 18264
- R** *Campanula jacquinii* (Sieber) A.DC. 20730  
**R** 20730 Greece - Crete 20730
- R** *Campanula jaubertiana* Timb.-Lagr. 20171  
**R** France  
**R** Spain
- I** *Campanula karakuschensis* Grossh. 5942  
**I** 5942 Armenia 5942
- R** *Campanula keniensis* Thulin  
**R** Kenya (Masai distr.) 7959
- I** *Campanula komarovii* Maleev 5942  
**I** 5942 Russia - North Caucasus 5942
- I** *Campanula kryophila* Rupr. 5942

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Campanula*

- I 5942 Russia - North Caucasus 5942
- R *Campanula laciniata* L. 20171  
I 20731 Greece (Cyclades) 20731
- R *Campanula lanata* Friv. 19709, 20171  
R 19709 Bulgaria 19709
- R *Campanula latiloba* A. DC. ssp. *rizeensis*  
Guner 12840  
R 12840 Turkey 12840
- R *Campanula lavrensis* (Toel & Rohlena) Phitos 20171  
R Greece
- R *Campanula ledebouriana* Trautv. 12840  
R 12840 Turkey 12840
- R *Campanula legionensis* Pau  
R Spain
- R *Campanula leucosiphon* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Campanula longisepala* Podlech 20171  
R France (south-east/Mt. Ventoux)
- E *Campanula lycica* Kit Tan & Sorger 12840  
E 12840 Turkey 12840
- R *Campanula macrostyla* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- I *Campanula makaschvilii* E. Busch 5942  
I 5942 Georgia 5942
- I *Campanula merxmulleri* Phitos 20171  
I Greece
- I *Campanula mirabilis* Albov 5942  
I 5942 Russia - North Caucasus 5942
- R *Campanula moravica* (Spitzn.) Kovanda 8000, 20171  
I 2050 Czech Republic 2050  
R 20686 Hungary 20686  
V 19321 Slovakia 19321
- R *Campanula morettiana* Rechb. 8000, 20171  
R 18264 Italy (Trentino-Alto Adige, Veneto & Friuli-Venezia Giulia) 8000
- R *Campanula munzurenensis* Davis 12840  
R 12840 Turkey 12840
- R *Campanula myrtifolia* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Campanula nisyria* Papatsoú & Phitos  
R 20731 Greece - East Aegean Is 20731
- R *Campanula numidica* Durieu 10488  
R 14958 Algeria 10488
- Ex *Campanula oligosperma* Damboldt 12840  
Ex 12840 Turkey 12840
- I *Campanula ossetica* M. Bieb. 5942  
I 5942 Russia - North Caucasus 5942
- R *Campanula papillosa* Halácsy 20171  
R Greece
- I *Campanula paradoxa* Kolak. 5942  
I 5942 Russia - North Caucasus 5942
- R *Campanula peshmenii* Guner 12840  
R 12840 Turkey 12840
- R *Campanula pindicola* Alden  
R Greece
- R *Campanula pinnatifida* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Campanula piperi* T.J. Howell 20850  
I 20850 U.S. - Washington 20850
- R *Campanula portenschlagiana* Schult. 20171  
R 21091 Bosnia & Herzegovina 21091  
I 20852 Croatia 20852  
R (former) Yugoslavia
- R *Campanula poscharskyana* Degen 20171  
I 20852 Croatia 20852  
R 19174 (former) Yugoslavia 19174
- R *Campanula primulifolia* Brot. 20076, 20171  
E 20076 Portugal 20076  
R Spain
- R *Campanula pseudostenocodon* Lacaita 20171  
R Italy
- R *Campanula psilostachya* Boiss. & Kotschy 12840  
R 12840 Turkey 12840
- R *Campanula ptarmicifolia* Lam. var. *capitellata*  
Damboldt 12840  
R 12840 Turkey 12840
- R *Campanula pterocaula* Hausskn. 12840  
R 12840 Turkey 12840
- R *Campanula pubicalyx* (Davis) Damboldt 12840  
R 12840 Turkey 12840
- R *Campanula pulvinaris* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840
- R *Campanula quercetorum* Huber-Mor. & Simon 12840  
R 12840 Turkey 12840
- I *Campanula radula* Fischer ex Tchich. 5942  
I 5942 Armenia 5942
- R *Campanula raineri* Perp. 18264, 20171  
R 18264 Italy 18264
- V *Campanula raveyi* Boiss. 12840  
V 12840 Turkey 12840
- R *Campanula rechingeri* Phitos 20171  
R Greece
- R *Campanula reiseri* Halácsy 20171  
R 20731 Greece (West Aegean islands) 20731
- V *Campanula reverchonii* Gray 20850  
V 20850 U.S. - Texas 20850
- R *Campanula rimarum* Boiss. 12840  
R 12840 Turkey 12840
- E *Campanula robiniae* Small 20850  
E 20850 U.S. - Florida 20850
- V *Campanula romanica* Savul 17823, 20171  
V 19949 Romania 20631
- I *Campanula rosmarinifolia* Kerr 19120  
I 19120 Thailand 19120
- R *Campanula rotundifolia* L. ssp. *aitanica* Pau ex O. Bolòs 20692  
R 20692 Spain (east) 20692
- I *Campanula rotundifolia* L. ssp. *sudetica* (Hruby) Soó 2050, 20171  
I 2050 Czech Republic 2050
- R *Campanula rupestris* Sibth. & Sm. 20171  
R Greece
- R *Campanula rupicola* Boiss. & Spruner 20171  
R Greece
- V *Campanula sabatia* De Not. 8000, 20171  
V 18264 Italy (Liguria) 19997
- R *Campanula sartorii* Boiss. & Heldr. 20171  
R Greece



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Campanula*

- V *Campanula saxatilis* L. 20171  
V 20730 Greece - Crete 20730
- R *Campanula sciathia* Phitos 20171  
R Greece
- R *Campanula scoparia* (Boiss. & Hausskn.)  
Damboldt 12840  
R 12840 Turkey 12840
- R *Campanula scopelia* Phitos 20171  
R Greece
- E *Campanula secundiflora* Vis. & Pancic 20171  
E (former) Yugoslavia
- R *Campanula seraglio* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- E *Campanula sharsmithiae* Morin 20850  
E 20850 U.S. - California 20850
- V *Campanula shetleri* Heckard 20850  
V 20850 U.S. - California 20850
- V *Campanula sorgerae* Phitos 12840  
V 12840 Turkey 12840
- R *Campanula sporadum* Feer  
R Greece
- R *Campanula stricta* L. var. *alidagensis*  
Damboldt 12840  
R 12840 Turkey 12840
- R *Campanula strigillosa* Boiss. 12840  
R 12840 Turkey 12840
- R *Campanula telephioides* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R *Campanula telmessii* Huber-Mor. & Phitos 12840  
R 12840 Turkey 12840
- R *Campanula teucrioides* Boiss. 12840  
R 12840 Turkey 12840
- R *Campanula tomentosa* Lam. 12840, 20171  
R 12840 Turkey 12840
- R *Campanula trachyphylla* Schott & Kotschy 12840  
R 12840 Turkey 12840
- R *Campanula transsilvanica* Schur ex Andrae 5204, 20171  
R 5204 Bulgaria (Southern and Western - three sites)  
5204  
V 19949 Romania 20631
- R *Campanula troegerae* Damboldt 12840  
R 12840 Turkey 12840
- R *Campanula viciosoi* Cav. 20692  
R 20692 Spain (Valencian region and peripheral sites)  
20692
- R *Campanula wattiana* Nayar et Babu 13883  
R 13883 India - Himachal Pradesh 13883  
R 13883 India - Uttar Pradesh 13883
- I *Campanula wiedmanii* Podl.  
I Spain
- V *Campanula wilkinsiana* Greene 20850  
V 20850 U.S. - California 20850
- R *Campanula willkommii* Witasek 11496  
R 11496 Spain (Granada) 11496
- R *Campanula xylocarpa* Kovanda 8000, 20171  
R 20686 Hungary 6951  
V 19321 Slovakia (Muránska Vyhocina mountains, Slovensky  
Krasand) 6951
- R *Campanula yildirimlii* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- V *Canarina canariensis* (L.) Vatke 15105  
V 15105 Spain - Canary Is. 15105
- E *Centropogon amplicorollinus* (F.Wimmer)  
B.A.Stein 20883  
E 20883 Colombia 20883  
E 20883 Peru 20883
- R *Centropogon baezanus* Jeppesen 20883  
R 20883 Ecuador 20883
- E *Centropogon darienensis* Wilbur 20883, 9006  
I 20883 Panama 20883
- V *Centropogon densiflorus* Bentham 20883  
V 20883 Ecuador 20883
- E *Centropogon escobarae* B.A.Stein ined. 20883  
E 20883 Colombia 20883
- E *Centropogon eurystomus* F. Wimmer 20883  
E 20883 Ecuador 20883
- V *Centropogon floricomus* McVaugh 20883, 9006  
I 20883 Panama 20883
- V *Centropogon gesneriiformis* Drake 20883  
V 20883 Ecuador 20883  
E 20883 Peru 20883
- E *Centropogon hirtus* (Cav.) Presl 20883  
E 20883 Peru 20883
- E *Centropogon latifolius* F. Wimmer 20883  
E 20883 Peru 20883
- E *Centropogon leucocarpus* McVaugh 20883, 9006  
I 20883 Panama 20883
- V *Centropogon luteynii* Wilbur 20883, 9006  
I 20883 Panama 20883
- R *Centropogon macrophyllus* (G. Don) F. Wimmer 20883  
R 20883 Bolivia 20883  
R 20883 Peru 20883
- R *Centropogon panamensis* Wilbur 20883, 9006  
I 20883 Panama 20883
- E *Centropogon papillosus* F. Wimmer 20883  
E 20883 Ecuador 20883
- V *Centropogon pulcher* Zahlbr. 20883, 19002  
V 20883 Peru 20883
- E *Centropogon quebradensis* F. Wimmer 20883  
E 20883 Ecuador 20883
- E *Centropogon reflexus* Presl 20883, 19002  
E 20883 Peru 20883
- R *Centropogon roseus* Rusby 20883  
E 20883 Bolivia 20883  
R 20883 Peru 20883
- R *Centropogon sciaphilus* Zahlbr. 20883  
R 20883 Peru 20883
- E *Centropogon silvaticus* F. Wimmer 20883  
E 20883 Peru 20883
- R *Centropogon trachyanthus* F. Wimmer 20883  
R 20883 Ecuador 20883
- E *Centropogon uncialis* McVaugh 20883  
E 20883 Colombia 20883
- I *Cephalostigma flexuosum* Hook.f. & Thomson  
I India - Karnataka  
I India - Tamil Nadu (north Coimbatore Hills)
- R *Clermontia arborescens* (Mann) Hbd. 20850, 14209  
I 20850 U.S. - Hawaii 20850
- E *Clermontia arborescens* (Mann) Hbd. ssp.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Clermontia*

- arborescens* 20850  
 E 20850 U.S. - Hawaii 20850
- E *Clermontia calophylla* F. Wimmer 20850, 14209  
 E 20850 U.S. - Hawaii (Hawai'i - Kohala Mts.) 20850
- E *Clermontia drepanomorpha* Rock 20850, 14209, 21355  
 E 20850 U.S. - Hawaii (Big Island - Kohala Mts.) 20850
- R *Clermontia grandiflora* Gaud. 20850  
 I 20850 U.S. - Hawaii 20850
- R *Clermontia hawaiiensis* (Hbd.) Rock 20850  
 R 20850 U.S. - Hawaii 20850
- E *Clermontia lindseyana* Rock 20850, 14209, 21348  
 E 20850 U.S. - Hawaii (east Maui & Hawai'i) 20850
- R *Clermontia micrantha* (Hbd.) Rock 20850, 14209  
 I 20850 U.S. - Hawaii (West Maui, Lana'i) 20850
- Ex/E *Clermontia multiflora* Hbd. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (O'ahu, West Maui) 20850
- E *Clermontia oblongifolia* Gaud. 20850  
 I 20850 U.S. - Hawaii 20850
- E *Clermontia oblongifolia* Gaud. ssp. *brevipes* (F. Wimmer) Lammers 20850, 14209, 21358  
 E 20850 U.S. - Hawaii (Moloka'i) 20850
- E *Clermontia oblongifolia* Gaud. ssp. *mauiensis* (Rock) Lammers 20850, 14209  
 E 20850 U.S. - Hawaii (Maui, Lana'i) 20850
- E *Clermontia peleana* Rock 20850, 14209, 21348, 21356  
 E 20850 U.S. - Hawaii (east Maui & Hawai'i) 20850
- E *Clermontia peleana* Rock ssp. *peleana* 20850  
 E 20850 U.S. - Hawaii 20850
- Ex/E *Clermontia peleana* Rock ssp. *singuliflora* (Rock) T.G.Lammers 20850  
 Ex/E 20850 U.S. - Hawaii 20850
- R *Clermontia persicifolia* Gaud. 20850, 14209  
 I 20850 U.S. - Hawaii (O'ahu) 20850
- E *Clermontia pyrularia* Hbd. 20850, 14209, 21348, 21356  
 E 20850 U.S. - Hawaii (Mauna Kea, Mauna Loa) 20850
- E *Clermontia samuelii* Forbes 20850, 14209  
 I 20850 U.S. - Hawaii (East Maui) 20850
- E *Clermontia samuelii* Forbes ssp. *hanaensis* (St. John) Lammers 20850  
 E 20850 U.S. - Hawaii 20850
- E *Clermontia samuelii* Forbes ssp. *samuelii* 20850  
 E 20850 U.S. - Hawaii 20850
- E *Clermontia tuberculata* Forbes 20850, 14209  
 E 20850 U.S. - Hawaii 20850
- E *Clermontia waimeae* Rock 20850  
 E 20850 U.S. - Hawaii 20850
- R *Codonopsis affinis* Hook. f. et Thoms. 13883  
 R 13883 India - Sikkim (darjeeling) 13883
- R *Cryptocodon monocephalus* (Trautv.) Fed. 5942  
 R 5942 Kazakhstan 5942  
 R 5942 Tajikistan 5942  
 I 5942 Uzbekistan 5942
- R *Cyananthus integra* Wall. ex Benth. 13883  
 R 13883 India (Kumooan - Tehri Garhwal Himalayas.)
- 13883
- R *Cyanea aculeatiflora* Rock 20850, 14209  
 R 20850 U.S. - Hawaii (East Maui) 20850
- E *Cyanea acuminata* (Gaud.) Hbd. 20850  
 E 20850 U.S. - Hawaii 20850
- Ex/E *Cyanea arborea* Hbd. 20850  
 Ex/E 20850 U.S. - Hawaii 20850
- Ex *Cyanea arborea* (H. Mann) Hillebrand var. *arborea* 14209  
 Ex 14209 U.S. - Hawaii 14209
- E *Cyanea asarifolia* St. John 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex *Cyanea asplenifolia* (H. Mann) Hillebr. 14209  
 Ex 14209 U.S. - Hawaii (north-west Maui) 14209
- Ex/E *Cyanea asplenifolia* (Mann) Hbd. 20850  
 Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Cyanea comata* Hbd. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Cyanea copelandii* Rock 20850, 14209  
 I 20850 U.S. - Hawaii (East Maui, Hawai'i) 20850
- Ex/E *Cyanea copelandii* Rock ssp. *copelandii* 20850  
 Ex/E 20850 U.S. - Hawaii 20850
- E *Cyanea copelandii* Rock ssp. *haleakalaensis* (St. John) Lammers 20850  
 I 20850 U.S. - Hawaii (Maui) 20850
- R *Cyanea coriacea* (Gray) Hbd. 20850  
 I 20850 U.S. - Hawaii 20850
- E *Cyanea dunbarii* Rock 20850, 14209  
 E 20850 U.S. - Hawaii (Moloka'i - Waihanau) 20850
- Ex/E *Cyanea giffardii* Rock 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Glenwood) 20850
- E *Cyanea glabra* (F. Wimmer) St. John 20850, 14301  
 E 20850 U.S. - Hawaii (east Maui) 20850
- V *Cyanea grimesiana* Gaud. 20850  
 I 20850 U.S. - Hawaii 20850
- Ex/E *Cyanea grimesiana* Gaudich. ssp. *cylindrocalyx* (Rock) Lammers 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Waipi'o Valley) 20850
- V *Cyanea grimesiana* Gaudich. var. *grimesiana* 14209  
 V 14209 U.S. - Hawaii 14209
- E *Cyanea grimesiana* Gaud. ssp. *obatae* (St. John) Lammers 20850, 14209  
 E 20850 U.S. - Hawaii (O'ahu - Wai'anua Mts.) 20850
- R *Cyanea hamatiflora* Rock 20850, 14209  
 I 20850 U.S. - Hawaii (East Maui) 20850
- E *Cyanea hamatiflora* Rock ssp. *carlsonii* (Rock) Lammers 20850, 14209, 21348, 21356  
 E 20850 U.S. - Hawaii 20850
- V *Cyanea hardyi* Rock 20850, 14209  
 I 20850 U.S. - Hawaii (Kaua'i) 20850
- V *Cyanea horrida* (Rock) O. Deg. & Hosaka 20850, 14209  
 V 20850 U.S. - Hawaii (East Maui) 20850
- V *Cyanea kunthiana* (Gaud.) Hbd. 20850, 14209  
 V 20850 U.S. - Hawaii (Maui) 20850
- V *Cyanea leptostegia* Gray 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Cyanea*

- V 20850 U.S. - Hawaii 20850
- E *Cyanea lindseyana* Rock 20850  
I 20850 U.S. - Hawaii 20850
- E *Cyanea linearifolia* Rock 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E *Cyanea lobata* Mann 20850  
Ex/E 20850 U.S. - Hawaii 20850
- E *Cyanea lobata* H. Mann var. *lobata* 14209  
E 14209 U.S. - Hawaii (Lana'i, west Maui) 14209
- Ex/E *Cyanea longissima* (Rock) St. John 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Cyanea macrostegia* Hillebr. ssp. *gibsonii* (Hbd.) Lammers 20850, 14209  
E 20850 U.S. - Hawaii (Lana'i) 20850
- E *Cyanea macrostegia* Hillebrand var. *parvibracteata* Rock 14209  
E 14209 U.S. - Hawaii 14209
- E *Cyanea mannii* (Brigham) Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (Moloka'i) 20850
- Ex/E *Cyanea marksii* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Hawai'i) 20850
- E *Cyanea mceldowneyi* Rock 20850, 14209  
E 20850 U.S. - Hawaii (east Maui) 20850
- E *Cyanea membranacea* Rock 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Waianae Mts.) 20850
- Ex/E *Cyanea obtusa* (Gray) Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E *Cyanea pinnatifida* (Cham.) F. Wimmer 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- E *Cyanea platyphylla* (Gray) Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (Hawai'i) 20850
- Ex/E *Cyanea pohaku* Lammers 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Cyanea procera* Hbd. 20850, 14209, 21358  
E 20850 U.S. - Hawaii (east Moloka'i) 20850
- Ex/E *Cyanea profuga* Forbes 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Molokai) 20850
- Ex/E *Cyanea pycnocarpa* (Hbd.) F. Wimmer 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kohala Mts.) 20850
- Ex/E *Cyanea quercifolia* (Hbd.) F. Wimmer 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex *Cyanea quercifolia* (Hillebrand) F.E. Wimmer var. *quercifolia* 14209  
Ex 14209 U.S. - Hawaii (east Maui) 14209
- E *Cyanea recta* (Wawra) Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (north-east Kaua'i) 20850
- E *Cyanea scabra* Hbd. 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E *Cyanea shipmanii* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Mauna Kea) 20850
- E *Cyanea solanacea* Hbd. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V *Cyanea solenocalyx* Hbd. 20850  
V 20850 U.S. - Hawaii 20850
- E *Cyanea stictophylla* Rock 20850, 21348, 21356  
E 20850 U.S. - Hawaii 20850
- E *Cyanea stictophylla* Rock var. *stictophylla* 14209  
E 14209 U.S. - Hawaii 14209
- E *Cyanea superba* (Cham.) Gray 20850  
I 20850 U.S. - Hawaii 20850
- Ex/E *Cyanea superba* (Cham.) A.Gray ssp. *regina* (Wawra) Lammers 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- E *Cyanea superba* (Cham.) Gray ssp. *superba* (Cham.) Gray 20850  
E 20850 U.S. - Hawaii 20850
- V *Cyanea tritomantha* Gray 20850  
V 20850 U.S. - Hawaii 20850
- V *Cyanea tritomantha* A.Gray var. *tritomantha* 14209  
V 14209 U.S. - Hawaii 14209
- E *Cyanea truncata* (Rock) Rock 20850  
E 20850 U.S. - Hawaii 20850
- E *Cyanea truncata* Rock var. *truncata* 14209  
E 14209 U.S. - Hawaii (Oahu) 14209
- E *Cyanea undulata* Forbes 20850, 14209  
E 20850 U.S. - Hawaii (Kau'i - Wahiawa Bog) 20850
- R *Cyphia corytifolia* Harv. 20604  
R 20604 South Africa - Natal 20604
- R *Cyphia ranunculifolia* E.Wimm. 20604  
R 20604 South Africa - Cape Province 20604
- Ex/E *Delissea fallax* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Hamakua & Hilo) 20850
- Ex/E *Delissea laciniata* Hbd. 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex *Delissea laciniata* Hbd. var. *laciniata* 14209  
Ex 14209 U.S. - Hawaii (O'ahu) 14209
- Ex/E *Delissea lautiliana* Lammers 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O'ahu) 20850
- Ex/E *Delissea parviflora* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kohala Mts, Mauna Kea) 20850
- E *Delissea rhytidosperra* Mann 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- E *Delissea rivularis* (Rock) F. Wimmer 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E *Delissea sinuata* Hbd. 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Delissea sinuata* Hbd. ssp. *lanaiensis* (Rock) Lammers 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Delissea sinuata* Hbd. ssp. *sinuata* 20850  
Ex/E 20850 U.S. - Hawaii 20850
- E *Delissea subcordata* Gaud. 20850  
E 20850 U.S. - Hawaii 20850
- E *Delissea undulata* Gaud. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- Ex/E *Delissea undulata* Gaud. ssp. *kauaiensis* Lammers 20850, 21351  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Delissea undulata* Gaud. ssp. *niihauensis* (St. John) Lammers 20850, 21351  
Ex/E 20850 U.S. - Hawaii 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Delissea*

- E** *Delissea undulata* Gaud. ssp. *undulata* 20850.  
21351, 21356  
**E** 20850 U.S. - Hawaii 20850
- V** *Downingia bella* Hoover 20850  
**I** 20850 U.S. - California 20850
- E** *Downingia concolor* Greene var. *brevior*  
McVaugh 20850  
**E** 20850 U.S. - California 20850
- R** *Downingia cuspidata* (Greene) Greene ex Jepson 20850  
**I** 20850 U.S. - California 20850
- R** *Downingia montana* Greene 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- V** *Downingia ornatissima* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Downingia pulchella* (Lindl.) Torr. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Downingia pusilla* (G. Don) Torr. 20850  
**V** 20850 U.S. - California 20850
- R** *Edraianthus dalmaticus* (A.DC.) A.DC. 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Edraianthus dinaricus* (A.Kern.) Wettst. 20171  
**R** (former) Yugoslavia
- I** *Edraianthus owerinianus* Rupr. 5942  
**I** 5942 Russia - North Caucasus 5942
- V** *Edraianthus pumilio* (Port.) A.DC. 20171  
**V** (former) Yugoslavia
- R** *Edraianthus wettsteinii* Halácsy & Bald. 20178, 20171  
**R** 20178 Albania 20178  
**R** (former) Yugoslavia
- R** *Githopsis pulchella* Vatke 20850  
**I** 20850 U.S. - California 20850
- E** *Githopsis tenella* Morin 20850  
**I** 20850 U.S. - California 20850
- R** *Hanabusaya asiatica* Nakai 15947  
**R** 5767 Korea, South (north to Mt Sorak) 15957
- V** *Heterochaenia borbonica* Badre & Cadet 10082  
**V** 14234 Réunion 14234
- V** *Heterochaenia ensifolia* (Lam.) DC. 10082  
**V** 20771 Réunion 10082  
**Ex** 20771 Mauritius 10082
- V** *Heterochaenia rivalsii* Badré & Cadet 10082  
**V** 14234 Réunion 14234
- V** *Howellia aquatilis* Gray 20850  
**Ex/E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Idaho 20850  
**V** 20850 U.S. - Montana 20850  
**Ex** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- Ex** *Hypsela sessiliflora* E.Wimmer 20681, 14223  
**Ex** 20681 Australia - New South Wales 20681
- R** *Isotoma luticola* Carolin 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Jasione bulgarica* Stoj. & Stef. 19709, 20171  
**R** 19709 Bulgaria 19709
- V** *Jasione crispa* (Pourr.) Samp. ssp. *arvernensis*  
Tutin 20171  
**V** 20528 France (Pay-de-Dôme) 20813
- V** *Jasione crispa* (Pourr.) Samp. ssp. *serpentinica*  
Pinto da Silva 8000, 20171  
**V** 20076 Portugal (north east) 8000
- R** *Jasione crispa* (Pourr.) Samp. ssp. *tomentosa* (DC.)  
Rivas Mart. 20171  
**R** Spain
- E** *Jasione heldreichii* Boiss. & Orph var. *papillosa*  
J. Parnel 12840  
**E** 12840 Turkey 12840
- R** *Jasione idaea* Stoy. 12840  
**R** 12840 Turkey 12840
- R** *Jasione laevis* Lam. ssp. *gredensis* Rivas Mart. &  
Sancho  
**R** Spain
- I** *Jasione lusitanica* A.DC. 8000, 20171  
**V** 14155 Portugal 8000  
**I** 14155 Spain 14198
- R** *Jasione mansanetiana* R.Rosselló & Peris 20692  
**R** 20692 Spain (Villahermosa Valley, Castellón  
province) 20692
- R** *Jasione penicillata* Boiss. 20171  
**R** Spain
- R** *Jasione supina* Sieber ssp. *akmanii*  
Damboldt 12840  
**R** 12840 Turkey 12840
- R** *Jasione supina* Sieber ssp. *supina* 12840  
**R** 12840 Turkey 12840
- R** *Jasione supina* Sieber ssp. *tmolea* (Stoj.)  
Damboldt 12840  
**R** 12840 Turkey 12840
- R** *Laurentia bicolor* (Battand.) Maire & Steph. 10488  
**R** Algeria 10488
- E** *Laurentia canariensis* DC.  
**E** Spain - Canary Is.
- V** *Legenere limosa* (Greene) McVaugh 20850  
**V** 20850 U.S. - California 20850
- V** *Lobelia alticaulis* Proctor 20883, 13336  
**V** 20883 Jamaica 20883
- R** *Lobelia bambuseti* R.E. & T.C.E. Fries 20057  
**R** 20057 Kenya (Mt. Kenya; Nyandurua; Aberdares)  
20057
- R** *Lobelia beaugleholei* D.E.Albrecht 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- V** *Lobelia boninensis* Koidz. 8038  
**V** 19134 Japan - Ogasawara-shoto 8038
- V** *Lobelia boykinii* Torr. & Gray ex A. DC. 20850  
**V** 20850 U.S. - Alabama 20850  
**Ex/E** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Lobelia bridgesii* Hook. & Arn. 13875  
**R** 13875 Chile 13875
- E** *Lobelia caledoniana* Adams 20883, 15911  
**V** 13336 Jamaica 20883
- R** *Lobelia caudata* (Griseb.) Urb. 20883, 13336  
**R** 19890 Jamaica 20883
- V** *Lobelia digitalifolia* (Griseb.) Urban var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Lobelia*

- guadeloupensis* (Urban) McVaugh 5710  
V 5710 Guadeloupe (Mateliane etc.) 5710
- E** *Lobelia dressleri* Wilbur 20883, 9037  
I 20883 Panama 20883
- E** *Lobelia dunbarii* Rock 20850, 14209  
E 20850 U.S. - Hawaii (Moloka'i) 20850
- R** *Lobelia dunbarii* Rock ssp. *paniculata* (Rock) Lammers 14209  
R 14209 U.S. - Hawaii (Moloka'i) 14209
- R** *Lobelia fawcettii* Urb. 20883  
R 20883 Jamaica 20883
- R** *Lobelia gaudichaudii* A. DC. 20850  
I 20850 U.S. - Hawaii 20850
- E** *Lobelia gaudichaudii* DC. ssp. *koolauensis* (Hosaka & Fosberg) Lammers 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts) 20850
- R** *Lobelia gloria-montis* Rock 20850, 14209  
R 20850 U.S. - Hawaii (Moloka'i) 20850
- R** *Lobelia grandifolia* Britton 20883  
R 20883 Jamaica 20883
- E** *Lobelia harrisii* Urb. 20883, 13336  
E 20883 Jamaica 20883
- I** *Lobelia hosseusii* E. Wimm. 19120  
I 19120 Thailand 19120
- E** *Lobelia hypoleuca* Hbd. 20850  
E 20850 U.S. - Hawaii 20850
- R** *Lobelia innominata* Rendle 20883  
R 20883 Jamaica 20883
- V** *Lobelia kauaensis* (Gray) Heller 20850, 14209  
I 20850 U.S. - Hawaii (Kaua'i) 20850
- I** *Lobelia leucantha* Kerr 19120  
I 19120 Thailand 19120
- R** *Lobelia lobata* E. Wimmer 7749  
R Zimbabwe 7749
- R** *Lobelia longisepala* Engl.  
R Tanzania
- R** *Lobelia lochoensis* Koidz. 10573  
R 10573 Japan 10573
- R** *Lobelia lukwangulensis* Engl.  
R Tanzania (Uluguru)
- R** *Lobelia martagon* (Griseb.) Hitchc. 20883  
R 20883 Jamaica 20883
- E** *Lobelia monostachya* (Rock) Lammers 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- V** *Lobelia niuhauensis* St. John 20850  
V 20850 U.S. - Hawaii 20850
- R** *Lobelia niuhauensis* St. John var. *niuhauensis* 14209  
R 14209 U.S. - Hawaii 14209
- E** *Lobelia oahuensis* Rock 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- Ex/E** *Lobelia remyi* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O'ahu) 20850
- I** *Lobelia salicina* Lam. var. *brachyantha* Urban 5642  
I Dominican Republic (Prov. Barahona, Paraiso) 5642
- I** *Lobelia sancta* H. Thulin 10260  
I Tanzania (Ukaguru)
- E** *Lobelia serpens* Lam. var. *puberula* E. Wimm. 10082  
E 20771 Mauritius 10082
- R** *Lobelia trullifolia* Hemsley var. *saliensis* (E. Wimmer) E. Wimmer 7849  
R Malawi 7849
- E** *Lobelia vagans* Balf.f. 10082  
E 5852 Mauritius - Rodrigues 5852
- I** *Lobelia valida* L. Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R** *Lobelia villosa* (Rock) St. John & Hosaka 20850, 14209  
I 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Lobelia yuccoides* Hbd. 20850, 14209  
V 20850 U.S. - Hawaii (Kaua'i, O'ahu) 20850
- V** *Lobelia zwartkopensis* E. Wimm. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Michauxia thyrsoidea* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R** *Musschia aurea* (L.f.) DC. 14166  
R Portugal - Madeira
- E** *Musschia wollastonii* Lowe 17891  
E Portugal - Madeira 17891
- V** *Nemacladus gracilis* Eastw. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Nemacladus montanus* Greene 20850  
I 20850 U.S. - California 20850
- R** *Nemacladus pinnatifidus* Greene 20850  
I 20850 U.S. - California 20850
- R** *Nemacladus ramosissimus* Nutt. 20850  
I 20850 U.S. - California 20850
- R** *Nemacladus secundiflorus* G.T. Robbins 20850  
I 20850 U.S. - California 20850
- E** *Nemacladus twisselmannii* J.T. Howell 20850  
E 20850 U.S. - California 20850
- E** *Nesocodon mauritanus* (I. Richardson) Thulin 10082  
E 20771 Mauritius 10082
- I** *Ostrowskia magnifica* Regel 5942  
I 5942 Kazakhstan 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- R** *Parishella californica* Gray 20850  
I 20850 U.S. - California 20850
- R** *Physoplexis comosa* (L.) Schur 8000, 20171  
R 14155 Austria 8000  
R 18264 Italy (Alps) 19997  
R (former) Yugoslavia 8000
- R** *Phyteuma cordatum* Balb. 18264, 20171  
R 20528 France (Alpes-Maritime) 20528  
R 18264 Italy (Piedmont, Liguria) 18264
- R** *Phyteuma gallicum* Rich. Schulz 20171  
R France (south-central)
- R** *Phyteuma humile* Schleich. ex Gaudin 20171  
? France  
R 8623 Italy (Aosta valley, Piedmont) 20804

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Campanulaceae: *Phyteuma*

- R 18154 Switzerland 18154
- R *Phyteuma pseudorbicularis* Pant. 20178  
R 20178 Albania 20178  
R (former) Yugoslavia
- R *Pratia gelida* (F.Muell.) Benth. 20681  
R 20681 Australia - Victoria 20681
- R *Prismatocarpus cordifolius* Adamson 20604  
R 20604 South Africa - Cape Province 20604
- R *Prismatocarpus spinosus* Adamson 20604  
R 20604 South Africa - Cape Province 20604
- I *Roella goodiana* Adamson 20604  
I 20604 South Africa - Cape Province 20604
- R *Roella rhodantha* Adamson 20604  
R 20604 South Africa - Cape Province 20604
- E *Rollandia angustifolia* (Hbd.) Rock 20850  
E 20850 U.S. - Hawaii (Oahu, Koolau Mts) 20850
- E *Rollandia crispa* Gaud. 20850  
E 20850 U.S. - Hawaii 20850
- R *Rollandia crispa* Gaudich. var. *crispa* 14209  
R 14209 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 14209
- E *Rollandia humboldtiana* Gaud. 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- R *Rollandia lanceolata* Gaud. 20850  
I 20850 U.S. - Hawaii 20850
- E *Rollandia lanceolata* Gaud ssp. *calycina* (Cham.) Lammers 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- R *Rollandia lanceolata* Gaud. ssp. *lanceolata* 20850  
R 20850 U.S. - Hawaii 20850
- E *Rollandia longiflora* Wawra 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- Ex/E *Rollandia parvifolia* Forbes 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kau' i) 20850
- Ex/E *Rollandia purpurellifolia* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O'ahu) 20850
- E *Rollandia St.-Johnii* Hosaka 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Sclerotheca arborea* (J.G.Forster) A.L.DC. 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- I *Sclerotheca forsteri* Drake 20845  
I 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- V *Sclerotheca joyorum* J.Raynal 20845  
V 20845 French Polynesia - Society Is. (Tahiti) 20845
- V *Sclerotheca oreades* F.Wimmer 20845  
V 20845 French Polynesia - Society Is. (Tahiti) 20845
- E *Sclerotheca viridiflora* 19471  
E 19473 Cook Is. (Southern group) (Rarotonga) 19471
- E *Siphocampylus albigtuttur* McVaugh 20883, 9006  
I 20883 Panama 20883
- R *Siphocampylus argentinus* (Griseb.) Hieron. var. *cuspidatus* F. Wimmer  
R 20176 Argentina 20176
- I *Siphocampylus caudatus* 15229  
I 15229 Haiti (La Visite & Macaya National Parks) 15229
- E *Siphocampylus darienensis* Wilbur 20883, 9006  
I 20883 Panama 20883
- V *Siphocampylus impressus* Urban 5607  
V 19105 Cuba (Guantanamo) 5607
- E *Siphocampylus libanensis* Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- V *Siphocampylus maxonis* F. Wimmer 20883, 9006  
I 20883 Panama 20883
- E *Siphocampylus oscitans* B.A.Stein 20883  
I 20883 Peru 20883
- V *Siphocampylus undulatus* Urban 5607  
V 19105 Cuba 5607
- E *Siphocampylus yumuriensis* Kirouac 5607  
E 19105 Cuba (Guantanamo) 5607
- R *Solenopsis minuta* C. Presl. ssp. *annua* Greuter, Matthäs & Risse 20731  
R 20731 Greece - Crete 20731
- I *Specularia juliani* Battand. 10488  
I 14958 Algeria 10488
- R *Symphandra cretica* A.DC. 20171  
R Greece
- R *Symphandra hofmannii* Pant. 20171  
R 21091 Bosnia & Herzegovina 20852  
R (former) Yugoslavia
- R *Symphandra lazica* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- V *Symphandra samothracica* (Degen) Halacsy  
V Greece
- R *Symphandra sporadum* Halacsy 20171  
R Greece
- E *Symphandra zangezura* Lipsky  
E former USSR 6930
- V *Trachelium asperuloides* Boiss. & Orph. 19174, 20171  
V 19174 Greece 19174
- R *Trachelium jacquinii* (Sieber) Boiss. 5204, 20171  
R 5204 Bulgaria (south) 5204  
R Greece  
R 19873 Turkey 19873
- E *Trematolobelia grandifolia* (Rock) O. Deg. 20850  
E 20850 U.S. - Hawaii 20850
- E *Trematolobelia singularis* St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Trimeris scaevolifolia* (Roxb.) Mabb. 18996  
E 18996 St Helena 18996
- R *Wahlenbergia angustifolia* (Roxb.) A. DC. 18996  
R 18996 St Helena 18996
- I *Wahlenbergia annuliformis* Brehmer 20604  
I 20604 South Africa - Cape Province 20604
- E *Wahlenbergia bernardi* Leredd 10488  
E 14958 Algeria 10488
- V *Wahlenbergia berteroi* Hook. & Arn. 19116  
V 19125 Chile - Juan Fernandez Is. 15983
- I *Wahlenbergia brachycarpa* Schltr. 20604  
I 20604 South Africa - Cape Province 20604
- R *Wahlenbergia brockei* J. Hay  
R New Zealand - South Is.
- I *Wahlenbergia brockiei* 19305

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Campanulaceae: *Wahlenbergia*

- I 19305 New Zealand 19305
- Ex** *Wahlenbergia burchellii* A. DC. 18996  
Ex 18996 St Helena 18996
- R** *Wahlenbergia busseriana* Schltr. & Brehmer 20604  
R 20604 South Africa - Cape Province 20604
- I** *Wahlenbergia debilis* H.Buek 20604  
I 20604 South Africa - Cape Province 20604
- R** *Wahlenbergia doleritica* Hilliard & B.L.Burt 20604  
R 20604 Lesotho 20604  
V 20604 South Africa - Natal 20604
- R** *Wahlenbergia glabra* P.J.Smith 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Wahlenbergia grahamae* Hemsley 19116  
E 19125 Chile - Juan Fernandez Is. 15983
- R** *Wahlenbergia insulae-howeii* Loth. 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R** *Wahlenbergia islensis* P.J.Smith 20681  
R 20681 Australia - Queensland 20681
- E** *Wahlenbergia larrainii* (Bertero ex Colla) Skottsb. 15983  
E 15983 Chile - Juan Fernandez Is. 15983
- E** *Wahlenbergia linifolia* (Roxb.) A. DC. 18996  
E 18996 St Helena 18996
- V** *Wahlenbergia masafueriae* (Philippi) Skottsb. 19125  
V 19125 Chile - Juan Fernandez Is. 15983
- R** *Wahlenbergia polycephala* (Mildbr.) Thulin 7959  
R Tanzania 7959
- Ex** *Wahlenbergia roxburghii* A. DC. 18996  
Ex 18996 St Helena 18996
- R** *Wahlenbergia scopulicola* Carolin ex P.J.Smith 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I** *Wahlenbergia simpsonii* J. Hay 19305  
I 19305 New Zealand - South Is. 19305
- I** *Wahlenbergia songeana* Thulin 7959  
I Tanzania (Songea Distr.) 7959
- I** *Wahlenbergia tetramera* Thulin 20604  
I 20604 South Africa - Natal 20604

### Canellaceae

Number of genera: 6  
Number of species: 20  
Recorded threatened species: 7 (35%)

Tropical Africa; Madagascar; South America.

- R** *Cinnamodendron corticosum* Miers 20883, 13336  
R 13336 Jamaica 20883
- R** *Cinnamodendron cubense* Urban 11840  
R 19105 Cuba (Oriente) 11840
- R** *Cinnamodendron tenuifolium* Uittien 8679  
R 8679 Suriname 8679
- E** *Pleodendron macranthum* (Baill.) v. Tiegh. 20883, 10197  
E 20883 Puerto Rico 20883
- I** *Warburgia elongata* Verdc. 19510  
I 5926 Tanzania (Uzaramo) 19510
- V** *Warburgia salutaris* (Bertol.f.) Chiov. 20604, 6088  
E 20745 Mozambique (Lebombo Mnts.) 20886  
E 20909 Zimbabwe (eastern) 20572

- V 20604 Swaziland 20604  
E 20604 South Africa - Natal 20604  
E 20604 South Africa - Transvaal 20604

- I** *Warburgia stuhlmannii* Engl. 19510  
V 20057 Kenya (Kwale) 19510  
I 20057 Tanzania (Msubugwe forest) 17435

### Capparaceae

Number of genera: 45  
Number of species: 800  
Recorded threatened species: 50 (6%)

Tropical and subtropical.

- R** *Boscia foetida* Schinz ssp. *minima* Toelken 20604  
R 20604 Botswana 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Transvaal 20604
- R** *Boscia keniensis* Beentje 20057  
R 19109 Kenya 19109
- I** *Boscia rotundifolia* Pax 5926  
I 5926 Tanzania (Dodoma) 19512
- Ex/E** *Cadaba parvula* Polhill 10584  
Ex/E 20057 Kenya 10584
- E** *Capparis antonensis* Woods. 20883, 9006  
I 20883 Panama 20883
- R** *Capparis braianensis* Gagnepain 6057  
R Vietnam 6057
- E** *Capparis carolinensis* Kaneh.  
E Micronesia - Caroline Is. (Peliu)
- E** *Capparis chiriquensis* Woods. 20883, 9006  
I 20883 Panama 20883
- I** *Capparis cinerea* Jacobs 13883  
I 13883 India - Manipur 13883
- E** *Capparis crotonantha* Standl. 20883, 9006  
I 20883 Panama 20883
- V** *Capparis diversifolia* Wight & Arn. 11494  
V 11494 India - Kerala 11494  
V 11494 India - Tamil Nadu 11494
- R** *Capparis fusifera* Dunn 11494  
R 11494 India - Kerala (Travancore) 11494  
R 11494 India - Tamil Nadu 11494
- I** *Capparis klossii* Ridl. 19120  
I 19120 Thailand 19120
- R** *Capparis lankesteri* Standley 9037  
R 19793 Costa Rica 9037
- E** *Capparis mirifica* Standl. 20883, 9006  
I 20883 Panama 20883
- I** *Capparis monantha* Jacobs 19120  
I 19120 Thailand 19120
- V** *Capparis neocaledonica* Vieill. ex Schltr. 20802  
V 20893 New Caledonia 20802
- I** *Capparis nitida* Ruiz Lopez & Pavon 18200  
I 18200 Peru 18200
- R** *Capparis nobilis* (Endl.) Benth. 19108  
R 19108 Australia - Norfolk Is. 14288
- V** *Capparis pachyphylla* Jacobs 13883  
V 14782 India - Arunachal Pradesh 14782
- E** *Capparis panamensis* Iltis 20883, 10337  
R 19793 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Capparaceae: *Capparis*

- R** *Capparis prisca* J.F. Macbr. 18200  
**R** 9446 Peru 18200
- R** *Capparis rheedii* DC. 11494  
**R** 11494 India - Goa, Daman & Diu 11494  
**R** 11494 India - Karnataka (North Kanara; South Kanara) 11494  
**R** 11494 India - Kerala 11494  
**R** 11494 India - Tamil Nadu (Tirunelveli District) 11494
- I** *Capparis rosanowiana* B. Fedtsch. 5942  
**I** 5942 Tajikistan 5942  
**I** 5942 Uzbekistan (south-east) 5942
- V** *Capparis sandwichiana* DC. 20850  
**V** 20850 U.S. - Hawaii 20850
- V** *Capparis shevaroyensis* Sund. 11494  
**V** 11494 India - Tamil Nadu 11494
- V** *Capparis thozetiana* (F.Muell.) F.Muell. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Capparis viburnifolia* Gagnepain 6057  
**R** Vietnam 6057
- I** *Cleome burmanni* Wight et Arn. 13883  
**I** 13883 India - Kerala 13883  
**I** 13883 India - Tamil Nadu 13883
- R** *Cleome densifolia* C.H. Wright 7749  
**R** Malawi (Mlanje) 7749
- E** *Cleome gamboensis* Urban 5607  
**E** 19105 Cuba (Las Tunas, Gramma) 5607
- I** *Cleome gynandra* L. var. *nana* (Blatter & Hallberg) Bhandari 7771  
**I** India - Rajasthan (Jaiselmer, Jodhpur) 7771
- V** *Cleome multicaulis* DC. 20883, 20850, 8058  
**V** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850  
**E** 20850 U.S. - Wyoming 20850  
**I** 20883 Mexico 20883
- R** *Cleome oligandra* Kers 19512  
**R** Tanzania 19512
- R** *Cleome parvula* R.A. Graham 19512  
**R** Tanzania (Mpwapwpa) 19512
- R** *Cleome schlechteri* Briq. 20604  
**R** 20604 South Africa - Natal 20604  
**R** 20604 South Africa - Transvaal 20604
- E** *Cleome tenuicaulis* Urban 5607  
**E** 19105 Cuba (Camaguey; Las Tunas) 5607
- V** *Cleomella brevipes* S.Watson 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Cleomella macbrideana* Payson 20850  
**I** 20850 U.S. - Idaho 20850
- R** *Cleomella parviflora* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Forchhammeria polyandra* (Griseb.) Alain 5607  
**V** 19105 Cuba (Holguin; Guantanamo) 5607
- R** *Maerua andradae* Wild 7749  
**R** Mozambique 7749
- R** *Maerua salicifolia* Wild 7749

- R** Zimbabwe 7749
- R** *Maerua scandens* (Klotzsch) Gilg 7749  
**R** Mozambique 7749
- V** *Oceanopapaver neocaledonicum* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- R** *Oxystylis lutea* Torr. & Frem. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Polanisia erosa* Iltis ssp. *breviglandulosa* Iltis 20850  
**R** 20850 U.S. - Texas 20850
- E** *Steriphoma macranthum* Standl. 20883, 9006  
**I** 20883 Panama 20883
- I** *Thylachium abboviolaceum* Gilg 19512  
**I** 5926 Tanzania (Morogoro district) 5926
- I** *Thylachium macrophyllum* Gilg 19512  
**I** 5926 Tanzania (Morogoro) 19512

Caprifoliaceae

Number of genera: 15  
 Number of species: 400  
 Recorded threatened species: 32 (8%)

Mostly North temperate and boreal regions; also tropical mountains.

- R** *Abelia insularis* Nakai 15957  
**R** Korea, South (Dagelet Is.) 15957
- R** *Diervilla rivularis* Gatinger 20850  
**I** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Tennessee 20850
- V** *Heptacodium miconioides* Rehder 17617  
**V** 17617 China - Anhui (Jingxian, Xuancheng) 11139  
**V** 17617 China - Hubei (Xingshan) 11139  
**V** 17617 China - Zhejiang 11139
- R** *Kolkwitzia amabilis* Graebner 17617  
**R** 17617 China - Anhui (Jingshai, Hueshan, Guichi) 11139  
**R** 17617 China - Gansu (Tianshui; Huixian) 11139  
**R** 17617 China - Hebei (Pingshuen) 11139  
**R** 17617 China - Henan 11139  
**R** 17617 China - Hubei (Yixi; Jiunxian; Fangxian) 11139  
**R** 17617 China - Shaanxi (Huaying, Shanyang) 11139  
**R** 17617 China - Shanxi 11139
- R** *Lonicera alpigena* L. var. *viridissima* Nakai 10573  
**R** 10573 Japan 10573
- R** *Lonicera cerasoides* Nakai 15957  
**R** 15923 Korea, South (Mt Chiri) 15957
- V** *Lonicera demissa* Rehder var. *borealis* Hara & Kikuchi 10573  
**V** 10573 Japan 10573
- R** *Lonicera kabylica* Rehder 10488  
**R** 14958 Algeria 10488
- R** *Lonicera karataviensis* Pavlov 5942  
**R** 5942 Kazakhstan (near the border of Kirgistan) 5942
- R** *Lonicera kawakamii* 20854  
**R** 20854 Taiwan 20854



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caprifoliaceae: *Lonicera*

- V *Lonicera linderifolia* Maxim. var. *konoii* (Makino) Okuy. 10573  
 V 10573 Japan 10573
- V *Lonicera linderifolia* Maxim. var. *linderifolia* 10573  
 V 10573 Japan 10573
- R *Lonicera mochizukiana* Makino var. *filiformis* Koidz. 10573  
 R 10573 Japan 10573
- R *Lonicera nummulariifolia* Jaub. & Spach ssp. *glandulifera* (Huber-Mor.) Chamb. 12840  
 R 20618 Turkey 20618
- V *Lonicera oiwakensis* Hayata 20511  
 V 20854 Taiwan 20511
- I *Lonicera paradoxa* Pojark. 5942  
 I 5942 Kyrgyzstan 5942  
 I 5942 Tajikistan 5942
- V *Lonicera pyrenaica* L. ssp. *majoricensis* (Gand.) O. Browicz 20171  
 V 20645 Spain - Balearic Is. 20645
- R *Lonicera stabiana* Guss. ex Pasq. 18264, 20171  
 R 18264 Italy (Campania) 18264
- R *Sambucus lanceolata* R. Br.  
 R Portugal - Madeira
- E *Sambucus palmensis* Link 15358  
 E 15105 Spain - Canary Is. 17891
- E *Sambucus tigranii* Troitsky  
 E former USSR
- E *Symphoricarpos guadalupensis* Correll 20850  
 E 20850 U.S. - Texas 20850
- V *Viburnum arboreum* Britton 20883  
 V 20883 Jamaica 20883
- R *Viburnum boninsimae* Koidz. 8622  
 R 19134 Japan - Kazan Retto 8622  
 R 19134 Japan - Ogasawara-shoto 8622
- R *Viburnum brachyandrum* Nakai 10573  
 R 10573 Japan 10573
- V *Viburnum bracteatum* Rehd. 20850  
 E 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - Tennessee 20850
- V *Viburnum carlesii* Hemsley var. *bitchiense* Nakai 10573  
 V 10573 Japan 10573
- R *Viburnum dispar* C. Morton 10341  
 R 19755 Mexico - Jalisco 10341
- R *Viburnum parvifolium* Hayata 20511  
 R 20511 Taiwan 20511
- V *Viburnum plicatum* var. *formosanum* 20854  
 V 20854 Taiwan 20854
- R *Viburnum tinus* L. ssp. *rigidum* (Vent.) P. Silva 15105  
 R 15105 Spain - Canary Is. 15105
- R *Viburnum villosum* Griseb. var. *glabrescens* Griseb. 20883, 13336  
 R 13336 Jamaica 20883
- V *Viburnum villosum* Griseb. var. *subdentatum* Griseb. 20883, 13336  
 V 13336 Jamaica 20883
- R *Weigela subsessilis* (Nakai) Bailey 15957

R 15923 Korea, South (Mt Chiri) 15957

Caricaceae

Number of genera: 4  
 Number of species: 30  
 Recorded threatened species: 8 (26%)

Tropical and subtropical America; Africa.

- R *Carica candicans* Gray 18200  
 R 19964 Peru 18200
- V *Carica chilensis* (Planchon ex A. DC.) Solms-Laub 15088  
 V 13875 Chile 13875
- V *Carica cnidoscoloides* Lorence & Torres 20883  
 I 20883 Mexico 20883
- E *Carica horovitziana* Badillo 11351  
 E 19569 Ecuador 11351
- V *Carica jamaicensis* Urb. 20883  
 V 20883 Jamaica 20883
- R *Carica omnilingua* Badillo 11351  
 R 19569 Ecuador 11351
- R *Carica papaya* L. var. *bady* Ake Assi  
 R Côte d'Ivoire
- R *Carica sprucei* Badillo 11351  
 R 19569 Ecuador 11351

Caryocaraceae

Number of genera: 2  
 Number of species: 23  
 Recorded threatened species: 11 (47%)

Tropical America, especially Amazon basin.

- E *Anthodiscus klugii* Standl. ex Prance 20883, 11589  
 R 19964 Peru 20883
- E *Anthodiscus montanus* Gleason 20883, 19352  
 I 19352 Colombia 20883
- R *Anthodiscus peruanus* Baillon 20883  
 I 20883 Peru 20883
- R *Anthodiscus trifoliatus* G. F. W. Meyer 20883, 8679  
 R 20883 Guyana 20883
- E *Caryocar amygdaliforme* G. Don 20883  
 I 20883 Peru 20883
- R *Caryocar coriaceum* Wittmack 20883  
 I 20883 Brazil 20883
- V II *Caryocar costaricense* J.D. Sm. 20883, 9037  
 E 20883 Costa Rica 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883
- R *Caryocar dentatum* Gleason 20883  
 I 20883 Bolivia 20883  
 I 20883 Brazil 20883
- V *Caryocar edule* Casaretto 20883  
 I 20883 Brazil 20883
- E *Caryocar glabrum* ssp. *album* Prance & Freitas da Silva 20883  
 E 20883 Guyana 20883
- R *Caryocar montanum* Prance 20883  
 I 20883 Brazil 20883  
 I 20883 Guyana 20883  
 I 20883 Venezuela 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Agrostemma*

**Caryophyllaceae**

Number of genera: 75  
 Number of species: 2,000  
 Recorded threatened species: 520 (26%)

Widespread, especially North America.

- I** *Agrostemma gracilis* Boiss. 20171  
 I Greece
- I** *Allochrusa gypsophiloides* (Regel) Schischk. 5942  
 I 5942 Kazakhstan 5942  
 I 5942 Kyrgyzstan 5942  
 I 5942 Tajikistan 5942  
 I 5942 Uzbekistan 5942
- I** *Allochrusa tadshikistanica* Schischkin 5942  
 I 5942 Tajikistan 5942
- E** *Alsinidendron lychnoides* (Hbd.) Sherff 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Alsinidendron obovatum* Sherff 20850, 14209  
 E 20850 U.S. - Hawaii (O'ahu) 20850
- E** *Alsinidendron trinerve* Mann 20850, 14209  
 E 20850 U.S. - Hawaii (O'ahu) 20850
- E** *Alsinidendron viscosum* (Mann) Sherff 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- R** *Arenaria alfacarensis* Pamp. 11496  
 R 11496 Spain (Jaén, Granada & Albacete) 11496
- R** *Arenaria angustifolia* McNeill 12840  
 R 12840 Turkey 12840
- R** *Arenaria angustijolioides* Kit Tan & Sorger 12840  
 R 12840 Turkey 12840
- R** *Arenaria angustisepala* McNeill 12840  
 R 12840 Turkey 12840
- R** *Arenaria arundana* Gallego  
 R 20662 Spain 20662
- R** *Arenaria bisulca* (Bartl.) Rohr 16336  
 R 19448 Argentina 19448  
 R 20176 Argentina - Catamarca 20176  
 R 20176 Argentina - Salta 20176  
 R 20176 Argentina - Tucuman 20176
- R** *Arenaria capillipes* (Boiss.) Boiss. 11496  
 R 11496 Spain (Málaga: Sierra bermeja, Sierra de Tolox) 20662
- R** *Arenaria cariensis* A. Carlstrom 12840  
 R 12840 Turkey 12840
- R** *Arenaria catamarcensis* Pax. 16336  
 R 16336 Argentina 16336  
 R 20176 Argentina - Catamarca 20176  
 R 20176 Argentina - Jujuy 20176  
 R 20176 Argentina - La Rioja 20176  
 R 20176 Argentina - Salta 20176
- V** *Arenaria cinerea* DC. 20171  
 V 20528 France (Haute) 20528
- R** *Arenaria conica* Boiss. 20171  
 R Spain
- R** *Arenaria controversa* Boiss. 20171  
 V France  
 R Spain
- E** *Arenaria curvifolia* Majumdar 11494  
 E 11494 India - Uttar Pradesh (Garwhal Himalaya) 11494
- R** *Arenaria davisii* McNeill 12840  
 R 12840 Turkey 12840

- R** *Arenaria deflexa* Dec. ssp. *microcephala*  
 McNeill 12840  
 R 12840 Turkey 12840
- R** *Arenaria eliasiana* Kit Tan & Sorger 12840  
 R 12840 Turkey 12840
- E** *Arenaria ferruginea* Duthie ex Williams 11494  
 E 11494 India - Uttar Pradesh (Kali/Dhauki Valley, Kumaon) 11494
- I** *Arenaria foliacea* Turrill 19509  
 I 5926 Tanzania (West Usambara mountains) 5926
- R** *Arenaria fragillima* Rech.f. 20171  
 R 20730 Greece - Crete 20730
- Ex/E** *Arenaria franklinii* Douglas ex Hook var. *thompsonii*  
 M.E.Peck 20850  
 Ex/E 20850 U.S. - Oregon 20850
- R** *Arenaria gionae* Gustavsson 20171  
 R Greece
- E** *Arenaria grandiflora* L. ssp. *bolosii* (Canig.)  
 Kupffer 20645  
 E 20647 Spain - Balearic Is. (Mallorca) 20821
- R** *Arenaria guicciardii* Heldr. ex Boiss. 20171  
 R 20731 Greece - East Aegean Is 10270
- R** *Arenaria halacsyi* Bald. 20171  
 E 21091 Bosnia & Herzegovina 21091  
 R (former) Yugoslavia
- I** *Arenaria hispida* L. 20171  
 V France  
 I Spain
- R** *Arenaria huteri* A.Kern. 20171  
 R Italy
- R** *Arenaria isaurica* Boiss. 12840  
 R 12840 Turkey 12840
- V** *Arenaria katoana* Makino 10572  
 V 10572 Japan 10572
- V** *Arenaria kingii* (S.Watson) M.E.Jones ssp. *rosea*  
 Maguire 20850  
 V 20850 U.S. - Nevada 20850
- R** *Arenaria ledebouriana* Fenzl var. *armeniaca*  
 McNeill 12840  
 R 12840 Turkey 12840
- R** *Arenaria ledebouriana* Fenzl var. *grandiflora*  
 Hartvig & Strid 12840  
 R 12840 Turkey 12840
- I** *Arenaria litoralis* Phitos, non Salisb. 20171  
 I Greece
- E** *Arenaria livermorensis* Correll 20850  
 E 20850 U.S. - Texas 20850
- R** *Arenaria luschanii* McNeill 12840  
 R 12840 Turkey 12840
- V** *Arenaria macradenia* S.Watson var. *kuschei* (Eastw.)  
 Maguire 20850  
 I 20850 U.S. - California 20850
- V** *Arenaria merckiioides* Maxim. var. *chokaiensis*  
 (Yatabe) Okuy. 10572  
 V 10572 Japan 10572
- R** *Arenaria mons-cragus* Kit Tan ex Sorger 12840  
 R 12840 Turkey 12840
- I** *Arenaria neelgerrensis* Wight & Arn.  
 I India - Jammu & Kashmir  
 I India - Tamil Nadu

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Arenaria*

- E** *Arenaria nevadensis* Boiss. & Reut. 15398, 20171  
**E** 15398 Spain (Sierra Nevada) 15398
- E** *Arenaria norvegica* Gunnerus ssp. *anglica*  
**G.Halliday** 20171  
**E** 20587 United Kingdom 20587
- E** *Arenaria paludicola* B.L. Robins. 20850  
**E** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**Ex** 20850 U.S. - Washington 20850
- V** *Arenaria pamphylica* sensu Hayek 12840, 20171  
**V** 12840 Turkey 12840
- R** *Arenaria peloponnesiaca* Rech.f.  
**R** Greece
- I** *Arenaria phitosiana* Greuter & Burdet 20171  
**I** 20731 Greece 20731
- I** *Arenaria pomeli* Munby  
**I** 20662 Spain (Cádiz, Málaga) 20662
- R** *Arenaria provincialis* Chater & G.Halliday 8000, 20171  
**R** 20528 France (nr Marseille & Toulon) 8000
- R** *Arenaria pseudoacantholimon* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Arenaria racemosa* Willk. 11496  
**R** 11496 Spain (Malaga) 11496
- V** *Arenaria rhodia* Boiss. ssp. *macropetala*  
**McNeill** 12840  
**V** 12840 Turkey 12840
- R** *Arenaria rigida* M.Bieb. 8001, 20171  
**R** 5204 Bulgaria (north-east) 5204  
**E** 19949 Romania 20631  
**R** former European USSR 8001
- R** *Arenaria sabulina* Gris. ex Fenzl 12840  
**R** 12840 Turkey 12840
- R** *Arenaria saponarioides* Boiss. & Balansa ssp. *saponarioides* 12840, 20171  
**R** 12840 Turkey 12840
- R** *Arenaria scariosa* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Arenaria serpentina* A.K.Jacks. 20171  
**R** 20178 Albania 20178
- R** *Arenaria sivasica* Kit Tan ex Sorger 12840  
**R** 12840 Turkey 12840
- R** *Arenaria speluncarum* McNeill 12840  
**R** 12840 Turkey 12840
- E** *Arenaria stenomeris* Eastw. 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Arenaria tenuis* Gay  
**R** Spain
- V** *Arenaria thangoensis* W. Smith 11494  
**V** 11494 India - Sikkim (Thango; Chugya) 11494
- R** *Arenaria tomentosa* Willk. 11496  
**R** 11496 Spain (Almeria & Granada) 11496
- R** *Arenaria uninervia* McNeill 12840  
**R** 12840 Turkey 12840
- V** *Arenaria ursina* B.L. Robins. 20850  
**V** 20850 U.S. - California 20850
- R** *Bolanthus cherlerioides* (Bornm.) Bark. 12840  
**R** 12840 Turkey 12840
- R** *Bolanthus creutzburgii* Greuter 20731  
**R** 20730 Greece - Crete 20730
- R** *Bolanthus frankenioides* (Boiss.) Bark. var. *fasciculatus* (Boiss. & Heldr.) Bark. 12840  
**R** 12840 Turkey 12840
- R** *Bolanthus frankenioides* (Boiss.) Bark. var. *frankenioides* 12840  
**R** 12840 Turkey 12840
- R** *Bolanthus fruticosus* (Bory & Chaub.) Barkoudah 20171  
**R** 20731 Greece (Peloponnisis) 20731
- R** *Bolanthus laconicus* (Boiss.) Barkoudah 20171  
**R** 20731 Greece (Peloponnisis) 20731
- R** *Bolanthus spergulifolius* (Jaub. & Spach) Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Bolanthus stenopetalum* Hartwig & Strid 12840  
**R** 12840 Turkey 12840
- R** *Bolanthus thymoides* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Bufonia chevallieri* Battand. 10487  
**V** 14958 Algeria 10487
- E** *Bufonia multiceps* Decne. 16168  
**E** 16168 Egypt (Sinai) 16168
- R** *Bufonia perennis* Pourr. 20171  
**R** France (south)
- R** *Bufonia stricta* (Sibth. & Sm.) Gürke ssp. *cecconia* (Bald.) Rech. fil. 20730  
**R** 20730 Greece - Crete 20730
- V** *Bufonia teneriffae* Christ 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Cerastium aleuticum* Hulten 20850  
**R** 20850 U.S. - Alaska 20850
- V** *Cerastium alpinum* ssp. *biologorensis* 16721  
**V** 17821 Czech Republic 17821  
**V** 19615 Slovakia 19321
- E** *Cerastium alsinifolium* Tausch 8000, 20171  
**E** 2050 Czech Republic (Mariánské Lázně) 6951
- R** *Cerastium araraticum* Rupr. 12840  
**R** 12840 Turkey 12840
- V** *Cerastium arvense* L. ssp. *glandulosum* (Kit.) Soó 19266, 20171  
**V** 19321 Slovakia 19266
- V** *Cerastium arvense* L. var. *ovatum* (Miyabe) E. Miki 10572  
**V** 10572 Japan 10572
- R** *Cerastium azoricum* Hochst. ex Seub. 20171  
**R** Portugal - Azores
- E** *Cerastium beeringianum* ssp. *terrae-novae* (Fern. & Wieg.) Hulten 20850  
**I** 20850 Canada - Alberta 20850  
**I** 20850 Canada - Labrador 20850  
**E** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Quebec 20850  
**I** 20850 Canada - Saskatchewan 20850
- V** *Cerastium brachypetalum* Pers. ssp. *doerfleri* (Halácsy ex Hayek) P.D.Sell & Whitehead 20171  
**V** 20730 Greece - Crete 20730
- R** *Cerastium dominici* Kit Tan & R. Mill 12840  
**R** 12840 Turkey 12840
- Ex/E** *Cerastium fischerianum* Ser. var. *molle*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Cerastium*

- Ohwi 10572  
 Ex/E 10572 Japan 10572
- I** *Cerastium formosanum* Ohwi 20511  
**I** 20511 Taiwan 20511
- R** *Cerastium haussknechtii* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Cerastium krylovii* Schischk. & Gortschak.  
**R** former European USSR
- R** *Cerastium ligusticum* Viv. ssp. *palustre* (Moris)  
 P.D.Sell & Whitehead 20171  
**R** 18264 Italy - Sardinia 18264
- R** *Cerastium macranthum* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Cerastium maximum* L. 20850, 20171  
**I** 20850 Canada - Mackenzie 20850  
**I** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Cerastium parvipetalum* Hosok. 20511  
**R** 20511 Taiwan 20511
- R** *Cerastium pisidicum* Ayasligil & Kit Tan 12840  
**R** 12840 Turkey 12840
- I** *Cerastium runemarkii* Möschl & Rech.f. 20171  
**I** Greece
- R** *Cerastium saccardoanum* Dirat 12840  
**R** 12840 Turkey 12840
- R** *Cerastium schizopetalum* Maxim. var. *bifidum*  
 Takeda 10572  
**R** 10572 Japan 10572
- I** *Cerastium smolikanum* Hartvig 20171  
**I** Greece
- R** *Cerastium subpilosum* Hayata 20511  
**R** 20511 Taiwan 20511
- V** *Cerastium sventenii* Jalas 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Cerastium theophrasti* Mersm. & Strid 20171  
**R** Greece
- I** *Cerastium thomsoni* Hook.f.  
**I** India (W. Himalaya)
- R** *Cerastium transsilvanicum* Schur 17823, 20171  
**R** 19949 Romania 20631
- R** *Cerastium vagans* Lowe 20171  
**R** Portugal - Madeira
- R** *Cerastium vourinense* Möschl & Rech.f. 20171  
**R** Greece
- R** *Colobanthus curtisiae* J.G.West 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Colobanthus nivicola* M.Gray 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Colobanthus pulvinatus* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Dianthus absconditus* Fernandez Casas  
**I** Spain
- R** *Dianthus aciphyllus* Sieber ex Ser. 20171  
**R** Greece
- I** *Dianthus andronakii* Woron. ex Schischk. 12840  
**I** 12840 Turkey 12840
- V** *Dianthus arenarius* L. ssp. *bohemicus* (F. A. Novak) 2050  
**E** 17807 Czech Republic (Cepal - district Litomerice)
- 2050  
**V** 19615 Slovakia 19615
- R** *Dianthus brevicaulis* Fenzl var. *setaceus*  
 Reeve 12840  
**R** 12840 Turkey 12840
- R** *Dianthus callizonus* Schott & Kotschy 17823, 20171  
**R** 19949 Romania (Craiului Mts.) 20631
- I** *Dianthus carthusianorum* L. ssp. *sudeticus*  
 Kovanda 19711  
**I** 19711 Czech Republic (Hruby Jeseník Mts.) 19711
- V** *Dianthus charidemii* Pau 20171  
**V** 17778 Spain 17778
- R** *Dianthus chimanimaniensis* Hooper 7749  
**R** Mozambique 7749
- R** *Dianthus cibrarius* Clem. 12840  
**R** 12840 Turkey 12840
- V** *Dianthus cintranus* Boiss. & Reut. ssp. *cintranus* 8000, 20171  
**V** 20076 Portugal (central) 8000
- R** *Dianthus costae* Willk. 20171  
**R** Spain
- V** *Dianthus cyprius* A.K. Jackson & Turrill 14230  
**V** 19164 Cyprus 14230
- V** *Dianthus diutinus* Kit. 17786, 20171  
**V** 20686 Hungary 17786  
**Ex** 19417 Romania 19417
- R** *Dianthus eldivenus* Czecz. 12840  
**R** 12840 Turkey 12840
- R** *Dianthus elegans* Urv. var. *actinopetalus* (Fenzl) Reeve 12840  
**R** 12840 Turkey 12840
- R** *Dianthus engleri* Hausskn. & Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Dianthus eretmopetalus* Stapf 12840  
**R** 12840 Turkey 12840
- R** *Dianthus erinaceus* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Dianthus freynii* Vandas 6951, 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**I** Bulgaria 6951  
**R** (former) Yugoslavia 6951
- R** *Dianthus fruticosus* L. 20171  
**R** 19121 Greece - Crete 20730
- V** *Dianthus fruticosus* L. ssp. *amarginus*  
 Runemark 20730  
**V** 20808 Greece (Cyclades) 20808
- V** *Dianthus fruticosus* L. ssp. *carpathus*  
 Runemark 20730  
**V** 20730 Greece - Crete 20730
- R** *Dianthus fruticosus* L. ssp. *creticus* (Tausch.) Runemark 20730  
**R** 20730 Greece - Crete 20730
- V** *Dianthus fruticosus* L. ssp. *occidentalis*  
 Runemark 20730  
**V** 20808 Greece 20808
- V** *Dianthus fruticosus* L. ssp. *sitiacus*  
 Runemark 20730  
**V** 20730 Greece - Crete 20730
- V** *Dianthus furcatus* Balb. ssp. *gyspergerae* (Rouy)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Dianthus*

Briq. 8000, 20171

V 20726 France - Corsica 20528

R *Dianthus gallicus* Pers. 8000, 20171

V 14166 France (west coast) 8000

V 14166 Spain (north coast) 8000

R 19937 United Kingdom - Channel Is. (Jersey) 19937

R *Dianthus giganteus* d'Urv. ssp. *banaticus* (Heuffel)

Tutin 17823, 20171

R 19947 Romania 20631

R *Dianthus glacialis* Haenke ssp. *gelidus* (Schott,

Nyman & Katschy) Tutin 17823, 20171

R 19949 Romania (eastern Alps and Carpathians) 20631

R *Dianthus goerkii* Hartvig & Strid 12840

R 12840 Turkey 12840

R *Dianthus graniticus* Jord. 20171

R France (Auvergne, Cevennes)

R *Dianthus gredensis* Pau ex Caball. 20171

R Spain

E *Dianthus guessfeldtianus* Muschler

E Egypt

I *Dianthus hypanicus* Andrz. 5942, 20171

I 5942 Ukraine (west) 5942

R *Dianthus juniperinus* Sm. 20171

R 19121 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *aciphyllus* (Sieber

ex Ser.) Turland 20730

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *bauhinorum* (Greuter)

Turland 20730

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *heldreichii*

Greuter 20171

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *idaeus*

Turland 20730

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp.

*juniperinus* 20171

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *kavusicus*

Turland 20730

V 20730 Greece - Crete 20730

V *Dianthus juniperinus* Sm. ssp. *pulviniformis*

(Greuter) Turland 20730

V 20730 Greece - Crete 20730

R *Dianthus kamisbergensis* Sond. 20604

R 20604 South Africa - Cape Province 20604

R *Dianthus knappii* (Pant.) Asch. & Kanitz ex

Borbás 20171

V 21091 Bosnia & Herzegovina 21091

R (former) Yugoslavia

R *Dianthus lanceolatus* Steven ex Rchb. 8000, 20171

R former European USSR 8000

V *Dianthus langeanus* Willk. 20171

V Spain

I *Dianthus mercurii* Heldr. 20171

I Greece

R *Dianthus merinoi* M. Lainz 11496

R 11496 Spain 11496

I *Dianthus minimus* Javeid

I India - Jammu & Kashmir

V *Dianthus moravicus* Kovanda 19266, 20171

V 19615 Czech Republic (southern) 19266

E *Dianthus morisianum* Valsecchi 18264

E 18264 Italy - Sardinia 18264

R *Dianthus muschianus* Kotschy & Boiss. 12840

R 12840 Turkey 12840

R *Dianthus myrtinervius* Griseb. 20171

R Greece

R (former) Yugoslavia

R *Dianthus nardiformis* Janka 19266, 20171

R 5204 Bulgaria (north & east) 5204

V 19608 Romania 8000

V *Dianthus nitidus* Waldst. & Kit. 19266, 20171

Ex 19266 Poland (Pieniny Mts.) 19266

V 19321 Slovakia (west Carpathians) 19266

R *Dianthus pallidiflorus* Ser. 20171

R Bulgaria

I former European USSR

E *Dianthus plumarius* ssp. *lumitzeri* 20720

E 20720 Hungary 20720

I *Dianthus plumarius* L. ssp. *praecox*

Domin 20686

E 20686 Hungary 20686

I 20720 Slovakia 20720

E *Dianthus plumarius* ssp. *regis stephani* 20720

E 20720 Hungary 20720

I *Dianthus praecox* W.K. 6951

I 6369 Poland (Tatry & Pieniny Mts.) 20798

V 19321 Slovakia 6951

V *Dianthus praecox* Kit. ssp. *lumitzeri* (Wiesb.)

Kmetova 19321

V 19321 Slovakia 19321

V *Dianthus pulviniformis* Greuter 20171

V 20731 Greece - Crete 20731

R *Dianthus recognitus* Schischk. 12840

R 12840 Turkey 12840

R *Dianthus rhodius* Rech.f.

R Greece

R *Dianthus robustus* Boiss. & Kotschy 12840

R 12840 Turkey 12840

V *Dianthus serotinus* Waldst. & Kit., 19266, 20171

Ex 19417 Romania 19417

V 19321 Slovakia 19321

R *Dianthus sessiliflorus* Boiss. 12840

R 12840 Turkey 12840

V *Dianthus sinaicus* Boiss. 8895

E Egypt

V Israel 8895

R *Dianthus sphacioticus* Boiss. & Heldr. 20171

R 20730 Greece - Crete 20730

R *Dianthus spiculifolius* Schur 17823, 20171

R 19949 Romania 20631

R *Dianthus stamatiadae* Rech.f. 20171

R Greece

I *Dianthus subbaeticus* Fernandez Casas

I 11496 Spain 11496

V *Dianthus xylorizus* Boiss. & Heldr. 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Dianthus*

- V 20730 Greece - Crete 20730
- R *Dianthus zederbaueri* Vierh. 12840  
R 12840 Turkey 12840
- R *Drymaria malachoides* Briq. 9661  
R 19755 Mexico 9661
- R *Drymaria monticola* J. Howell 11117  
R Ecuador - Galapagos (Santa Cruz) 11117
- I *Eremogone cephalotes* (M. Bieb.) Fenzl 5942  
I 5942 Ukraine 5942
- I *Gastrolychnis soczaviana* (Schischkin) Tolm. & Kozhanczиков 5942  
I 5942 Russia (Far East) - Magadan 5942  
I 5942 Russia (Siberia) - Yakutiya 5942
- R *Gastrolychnis triflora* (R. Br.) Tolm. et Kozhancz. ssp. *wrangelica* Jurtz. 20085, 21309  
R 20085 Russia (E. Europe) - North 20085
- R *Gypsophila achaia* Bornm. 20171  
R 20731 Greece (Sterea Ellas, Peloponnisos) 20731
- R *Gypsophila adenophylla* Bark. 12840  
R 12840 Turkey 12840
- R *Gypsophila aucheri* Boiss. 12840  
R 12840 Turkey 12840
- I *Gypsophila aulieatensis* B. Fedtsch. 5942  
I 5942 Kazakhstan (southern) 5942
- R *Gypsophila baytopiorum* Kit Tan 12840  
R 12840 Turkey 12840
- R *Gypsophila bitlisensis* Bark. 12840  
R 12840 Turkey 12840
- R *Gypsophila brachypetala* Trautv. 12840  
R 12840 Turkey 12840
- R *Gypsophila briquetiana* Schischk. 12840  
R 12840 Turkey 12840
- R *Gypsophila confertifolia* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Gypsophila curvifolia* Fenzl 12840  
R 12840 Turkey 12840
- R *Gypsophila davisii* Bark. 12840  
R 12840 Turkey 12840
- R *Gypsophila festucifolia* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Gypsophila germanicapolitana* Huber-Mor. 12840  
V 12840 Turkey 12840
- R *Gypsophila glomerata* auct., non Pall. ex Adams 12840, 20171  
R 12840 Turkey 12840
- R *Gypsophila graminifolia* Bark. 12840  
R 12840 Turkey 12840
- R *Gypsophila hakkiarica* Kit Tan 12840  
R 12840 Turkey 12840
- I *Gypsophila heteropoda* Freyn & Sint. ssp. *minutiflora* Bark. 12840  
I 12840 Turkey 12840
- I *Gypsophila lepidioides* Boiss. 12840  
I 12840 Turkey 12840
- R *Gypsophila leucochaena* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Gypsophila macedonica* Vandas 20171  
R (former) Yugoslavia
- V *Gypsophila montserratii* Fern.Casas 11496, 20171  
V 11496 Spain 11496
- R *Gypsophila nodiflora* (Boiss.) Bark. 12840  
R 12840 Turkey 12840
- V *Gypsophila oblanceolata* Bark. 12840  
V 12840 Turkey 12840
- R *Gypsophila paniculata* L. var. *araratica* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Gypsophila papillosa* Porta 8000, 20171  
V 18264 Italy (Veneto) 19997
- R *Gypsophila parva* Bark. 12840  
R 12840 Turkey 12840
- R *Gypsophila perfoliata* L. var. *araratica* Kit Tan 12840  
R 12840 Turkey 12840
- R *Gypsophila peshmenii* A. Guner 12840  
R 12840 Turkey 12840
- V *Gypsophila pilulifera* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R *Gypsophila pinifolia* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- V *Gypsophila simonii* Huber-Mor. 12840  
V 12840 Turkey 12840
- R *Gypsophila simulatrix* Bornm. & Woron. 12840  
R 12840 Turkey 12840
- R *Gypsophila sphaerocephala* Fenzl ex Tchihat. var. *syriaca* (Sch.) Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Gypsophila tuberculosa* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Gypsophila uralensis* Less. ssp. *pinensis* (Perf.) R. Kam. 8001  
R 11552 Russian Federation (north western) 11552
- V *Holosteum umbellatum* L. ssp. *hirsutum* (Mutel) Breistr. 20171  
V 20528 France (south-east) 20528
- R *Krauseola gillettii* Turrill  
R Kenya (Northern Frontier Province) 7959
- I *Krauseola mosambicina* (Moss) Pax & K. Hoffm. 7749  
I Mozambique 7749
- V *Loeflingia squarrosa* Nutt. ssp. *artemisiarum* Barneby & Twisselman 20883, 20850, 19002  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850  
E 20850 U.S. - Wyoming 20850  
I 20883 Mexico 20883
- I *Lychnis lagrangei* Coss.  
I Morocco
- V *Lychnis nivalis* Kit. 19266, 20171  
V 20631 Romania (east Carpathians) 19266
- I *Melandrium astrachanicum* Pacz. 5942, 20171  
I 5942 Russia (E. Europe) - South (Astrakhan) 5942
- R *Minuartia anatolica* (Boiss.) Woron. var. *lanuginosa* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia anatolica* (Boiss.) Woron. var. *phrygia* (Bornm.) McNeill 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Minuartia*

- R 12840 Turkey 12840
- R *Minuartia anatolica* (Boiss.) Woron var. *scleranthoides* (Boiss. & Noe) McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia anatolica* (Boiss.) Woron var. *tetrastiche* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia baldaccii* (Halácsy) Mattf. ssp. *skutariensis* Hayek. 20178, 20171  
R 20178 Albania 20178
- I *Minuartia bilykiana* Klokov 8000, 20171  
I former European USSR 8000
- E *Minuartia corymbulosa* (Boiss. & Bal.) McNeill var. *breviflora* (Boiss.) McNeill 12840  
E 12840 Turkey 12840
- R *Minuartia corymbulosa* (Boiss. & Bal.) McNeill var. *gypsophiloides* McNeill 12840  
R 12840 Turkey 12840
- V *Minuartia cumberlandensis* (B.E. Wofford & Kral) McNeill 20850  
E 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Tennessee 20850
- E *Minuartia decumbens* T.W. & J.P. Nelson 20850  
E 20850 U.S. - California 20850
- R *Minuartia dianthifolia* (Boiss.) Hand.-Mazz. ssp. *cataonica* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia dianthifolia* (Boiss.) Hand.-Mazz. ssp. *dianthifolia* 12840  
R 12840 Turkey 12840
- E *Minuartia glaucina* Dvoráková 19842  
E 19321 Slovakia 19321
- E *Minuartia godfreyi* (Shinners) McNeill 20850, 10260  
E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
E 20850 U.S. - North Carolina 20850  
Ex 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850
- R *Minuartia gracilis* McNeill 12840  
R 12840 Turkey 12840
- E *Minuartia graminifolia* (Ard.) Jáv. ssp. *graminifolia* 20171  
E 19949 Romania 20631
- I *Minuartia grignensis* (Rehb.) Mattf. 20171  
I Italy
- R *Minuartia handelii* Mattf. 20171  
E 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- I *Minuartia helmii* (Ser.) Schischk. 11552, 20171  
I 5942 Russia (E. Europe) - East (Ural mountains) 5942  
I 5942 Russia (E. Europe) - North (Ural mountains) 5942  
I 5942 Russia (Siberia) - West (Ural mountains) 5942
- R *Minuartia herniarioides* (Rion) Hess & Landolt 18154.  
I Italy 8000  
R 18154 Switzerland 18154
- E *Minuartia hirsuta* (M.Bieb.) Hand.-Mazz. ssp. *frutescens* (Kit.) Hand.-Mazz. 20171
- E 19949 Romania 20631
- R *Minuartia issaurica* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia krascheninnikovii* Schischk. 8000, 20171  
R 11552 Russian Federation (Ural Mts) 11552
- I *Minuartia langii* (Reuss) Holub 19321  
I 19321 Slovakia 19321
- R *Minuartia macrocarpa* (Pursh) Ostenf. var. *jooi* (Makino) Hara 10572  
R 10572 Japan 10572
- E *Minuartia marcescens* (Fenzl) House 20850, 5567  
E 20850 Canada - Newfoundland 20850  
E 20850 Canada - Quebec 20850  
E 20850 U.S. - Vermont 20850
- R *Minuartia mesogitana* (Boiss.) Hand.-Mazz. ssp. *lydia* (Boiss.) McNeill 12840  
R 12840 Turkey 12840
- V *Minuartia mesogitana* (Boiss.) Hand.-Mazz. ssp. *macrocarpa* McNeill 12840  
V 12840 Turkey 12840
- R *Minuartia nifensis* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia pestalozzae* (Boiss.) Bornm. 12840  
R 12840 Turkey 12840
- R *Minuartia pichleri* (Boiss.) Maire & Petitm. 20171  
R Greece
- R *Minuartia platyphylla* (Gay ex Christ) McNeill 15105  
R 15105 Spain - Canary Is. 15105
- R *Minuartia recurva* (All.) Schinz. & Thell. ssp. *carica* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia rimarum* (Boiss. & Bal.) Mattf. var. *multiflora* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia senneniana* Maire & Mauricio  
R Morocco
- R *Minuartia stojanovii* (Kit.) Kozuharov & Kuzmanov 5204  
R 5204 Bulgaria (south-west) 5204  
R Greece
- E *Minuartia stolonifera* T.W. & J.P. Nelson 20850  
I 20850 Canada - Labrador 20850  
I 20850 Canada - Ontario 20850  
E 20850 U.S. - California 20850
- R *Minuartia taurica* (Steven) Graebn. 8000, 20171  
R former European USSR 8000
- R *Minuartia trichocalycina* (Ten. & Guss.) Grande 18264, 20171  
R 18264 Italy (Abruzzi) 18264
- R *Minuartia umbellulifera* (Boiss.) McNeill ssp. *fimbriata* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia umbellulifera* (Boiss.) McNeill var. *kurdica* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia umbellulifera* (Boiss.) McNeill ssp. *pontica* (Bornm.) McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia umbellulifera* (Boiss.) McNeill ssp. *salbacica* McNeill 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Minuartia*

- R 12840 Turkey 12840
- R *Minuartia valedictionis* McNeill 12840  
R 12840 Turkey 12840
- R *Minuartia valentina* (Pau) Sennen 20648  
R 20692 Spain (Castellón & Valencia provinces) 20692
- R *Minuartia velenovski* (Rohlena) Hayek 20178  
R 20178 Albania 20178  
R (former) Yugoslavia
- R *Minuartia verna* (L.) Hiern ssp. *brevipetala*  
Hartvig & Strid 12840  
R 12840 Turkey 12840
- E *Minuartia wettsteinii* Mattf. 20171  
E 20730 Greece - Crete 20730
- R *Moehringia dielsiana* Mattf. 18264, 20171  
R 18264 Italy (Lombardy) 18264
- R *Moehringia fontqueri* Pau 8000, 20171  
R Spain (south east (Almería)) 8000
- I *Moehringia hypanica* Gryn' & Klokov 5942, 20171  
I 5942 Ukraine 5942
- R *Moehringia intermedia* (Loisel.) Panizzi 20171  
R 20171 France 20171
- R *Moehringia jankae* Griseb. ex Janka 19266, 20171  
R 5204 Bulgaria 19266  
V 19949 Romania (Doluroega) 19266
- R *Moehringia lebrunii* Merxm. 18264, 20171  
R 20528 France (Alpes-Maritimes) 20528  
R 18264 Italy (Liguria) 18264
- R *Moehringia markgrafii* Merxm. & Gutermann 18264, 20171  
R 18264 Italy 18264
- R *Moehringia minutiflora* Bornm. 20171  
R (former) Yugoslavia
- R *Moehringia papulosa* auct., non Bertol. 18264, 20171  
R France  
R 18264 Italy (marches) 18264
- R *Moehringia sedoides* (Pers.) Cumino ex Loisel. 20171  
R 20528 France (Alpes-Maritimes) 20528  
R 20528 Italy 20528
- R *Moehringia stellarioides* Coss. 10487  
R 14958 Algeria 10487
- R *Moehringia tommasinii* Marches. 8000, 20171  
V 18264 Italy (Friuli-Venezia Giulia) 19997  
R 13662 Slovenia (south western) 13662
- I *Petrocoma hoefftiana* (Fischer) Rupr. 5942  
I 5942 Russia - North Caucasus 5942
- R *Petrocoptis crassifolia* Rouy 8000, 20171  
R 19174 Spain (Pyrenees) 11496
- V *Petrocoptis grandiflora* Rothm. 8000, 20171  
V 19174 Spain (north-west) 8000
- R *Petrocoptis pardoii* Pau 8000, 20171  
R 20874 Spain (Castellon province) 11496
- V *Petrocoptis pseudoviscosa* Fern.Casas 17891, 20171  
V 20874 Spain 20874
- V *Petrocoptis viscosa* Rothm. 20171  
V Spain
- R *Petrorhagia dianthoides* (Sm.) P.W.Ball & Heywood 20171  
R 20731 Greece - Crete 20731
- V *Petrorhagia hispidula* (Boiss. & Heldr.) Ball & Heyw. 12840  
V 12840 Turkey 12840
- R *Petrorhagia lycica* (Davis) Ball & Heyw. 12840  
R 12840 Turkey 12840
- V *Petrorhagia pamphylica* (Boiss. & Ball.) Ball. & Heyw. 12840  
V 12840 Turkey 12840
- R *Petrorhagia peroninii* (Boiss. Ball. & Heyw. 12840  
R 12840 Turkey 12840
- R *Petrorhagia rhiphaea* (Pau & al) P.W. Ball & Heywood  
R Morocco
- R *Petrorhagia rupestris* Brullo & Furnari  
R Libya
- R *Phryna ortegioides* (Fisch. & Mey.) Pax & Hoffm. 12840  
R 12840 Turkey 12840
- V *Pinosia glandulosa* Alain 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Polycarpaea carnosa* C. Smith ex Buch 15105  
R 15105 Spain - Canary Is. 15105
- V *Polycarpaea diffusa* Wight & Arnott 14782  
V 14782 India - Tamil Nadu 14782
- I *Polycarpaea gamopetala* R. Berhaut 8003  
I Senegal 8003
- R *Polycarpaea gomerensis* Burchard  
R Spain - Canary Is.
- R *Polycarpaea incana* I.D.Cowie 20681  
R 20681 Australia - Northern Territory 20681
- I *Polycarpaea jazirensis* R.A. King 20146  
I 20146 Oman (central) 20146
- I *Polycarpaea linearifolia* (DC.) DC. var. *racemosa*  
R Berhaut 8003  
I Senegal 8003
- V *Polycarpaea robusta* (Pitard) Kunkel 15105  
V 20750 Spain - Canary Is. 15105
- R *Polycarpaea smithii* Link 15105  
R 20750 Spain - Canary Is. 15105
- R *Polycarpaea staminodina* F.Muell. 20681  
R 20681 Australia - Northern Territory 20681
- R *Polycarpaea tenuis* Webb ex Christ 15105  
R 15105 Spain - Canary Is. 15105
- R *Polycarpon prostratum* (Forssk.) Asch. & Schweinf. var. *littorale* J. Raynal & A. Raynal 8003  
R Senegal (Tanma) 8003
- R *Psammosilene tunicoides* W.C. Wu & C.Y. Wu 17617  
R 17617 China - Guizhou (Wening) 11139  
R 17617 China - Sichuan 11139  
R 17617 China - Xizang Zizhiqu (Lingze, Mangkang) 11139  
R 17617 China - Yunnan 11139
- R *Pseudostellaria okamotoi* Ohwi 15957  
R 15923 Korea, South (Mt Chiri) 15957
- R *Sanctambrosia manicata* Skotts. ex Kuschel 5595  
R 19534 Chile - Islas Desventuradas 5595
- R *Saponaria cypria* Boiss. 14230  
R 19164 Cyprus (Troodos area) 14230
- R *Saponaria dalmasiia* Boissieu 12840  
R 12840 Turkey 12840
- E *Saponaria halophila* Hedge & Huber-Mor. 12840



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Saponaria*

- E 12840 Turkey 12840
- R** *Saponaria lutea* L. 18154, 20171  
 R 20528 France (Savoie) 20528  
 I Italy 8000  
 R 18154 Switzerland 18154
- R** *Saponaria pamphylica* Boiss. & Heldr. 12840  
 R 12840 Turkey 12840
- R** *Saponaria picta* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Saponaria pinetorum* Hedge 12840  
 R 12840 Turkey 12840
- I** *Saponaria syriaca* Boiss. 12840  
 I 12840 Turkey 12840
- E** *Schiedea adamantis* St. John 20850, 14209  
 E 20850 U.S. - Hawaii (Oahu) 20850
- Ex/E** *Schiedea amplexicaulis* Mann 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Schiedea apokremnos* St. John 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Schiedea diffusa* Gray 20850  
 V 20850 U.S. - Hawaii 20850
- V** *Schiedea globosa* Mann 20850  
 V 20850 U.S. - Hawaii 20850
- E** *Schiedea haleakalensis* O. Deg. & Sherff 20850, 14209  
 E 20850 U.S. - Hawaii (east Maui) 20850
- E** *Schiedea helleri* Sherff 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Schiedea hookeri* Gray 20850  
 E 20850 U.S. - Hawaii 20850
- R** *Schiedea hookeri* A. Gray var. *hookeri* 14209  
 R 14209 U.S. - Hawaii (O'ahu, Maui) 14209
- Ex/E** *Schiedea implexa* (Hbd.) Sherff 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E** *Schiedea kaalae* Wawra 20850  
 E 20850 U.S. - Hawaii 20850
- E** *Schiedea kaalae* Wawra var. *kaalae* 14209  
 E 14209 U.S. - Hawaii (O'ahu) 14209
- E** *Schiedea kealiae* Caum & Hosaka 20850, 14209  
 E 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- V** *Schiedea ligustrina* Cham. & Schlecht. 20850  
 V 20850 U.S. - Hawaii 20850
- E** *Schiedea lydgatei* Hbd. 20850  
 E 20850 U.S. - Hawaii 20850
- R** *Schiedea lydgatei* Hillebrand var. *lydgatei* 14209  
 R 14209 U.S. - Hawaii (Moloka'i) 14209
- V** *Schiedea mannii* St. John 20850, 14209  
 V 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- E** *Schiedea membranacea* St. John 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Schiedea menziesii* Hook. 20850  
 V 20850 U.S. - Hawaii 20850
- R** *Schiedea menziesii* Hook. var. *menziesii* 14209  
 R 14209 U.S. - Hawaii 14209
- E** *Schiedea nuttallii* Hook. 20850  
 E 20850 U.S. - Hawaii 20850
- R** *Schiedea nuttallii* Hook. var. *nuttallii* 14209  
 R 14209 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 14209
- V** *Schiedea pubescens* Hbd. 20850  
 I 20850 U.S. - Hawaii 20850
- E** *Schiedea pubescens* Hillebrand var. *pubescens* 20850, 14209  
 E 20850 U.S. - Hawaii 20850
- V** *Schiedea pubescens* Hillebrand var. *purpurascens* Sherff 20850, 14209  
 V 20850 U.S. - Hawaii 20850
- E** *Schiedea salicaria* Hbd. 20850, 14209  
 E 20850 U.S. - Hawaii (West Maui) 20850
- E** *Schiedea spergulina* Gray 20850  
 I 20850 U.S. - Hawaii 20850
- E** *Schiedea spergulina* A. Gray var. *leiopoda* Sherff 20850, 14209  
 E 20850 U.S. - Hawaii 20850
- E** *Schiedea spergulina* A. Gray var. *spergulina* 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Schiedea stellarioides* Mann 20850  
 E 20850 U.S. - Hawaii 20850
- Ex** *Schiedea stellarioides* H. Mann var. *stellarioides* 14209  
 Ex 14209 U.S. - Hawaii (Kaua'i) 14209
- E** *Schiedea verticillata* F. Br. 20850, 14209  
 E 20850 U.S. - Hawaii (Nihoa) 20850
- I** *Silene adscendens* Lag. 20171  
 I Spain (Almeria coast)
- I** *Silene akinfiievii* Schmalh. 5942  
 I 5942 Russia - North Caucasus 5942  
 I 5942 Georgia 5942
- R** *Silene akmaniana* Ekim & Celik 12840  
 R 12840 Turkey 12840
- E** *Silene alexandri* Hbd. 20850, 14209  
 E 20850 U.S. - Hawaii (east Moloka'i) 20850
- R** *Silene almolae* J. Gay 20171  
 R Spain
- V** *Silene ammophila* Boiss. & Heldr. 20171  
 V 20731 Greece - Crete (inc. Karpathos, Kasos) 20731
- R** *Silene anatolica* Melzheimer & Baytop 12840  
 R 12840 Turkey 12840
- I** *Silene aomorenensis* Mizush. 10572  
 I 10572 Japan 10572
- V** *Silene aperta* Greene 20850  
 I 20850 U.S. - California 20850
- R** *Silene araratica* Schischk. 12840  
 R 12840 Turkey 12840
- R** *Silene argaea* Fisch. & Mey. 12840  
 R 12840 Turkey 12840
- R** *Silene aristidis* Pomel 10487  
 R 14958 Algeria 10487
- R** *Silene armena* Boiss. var. *serrulata* (Boiss.) Coode & Cullen 12840  
 R 12840 Turkey 12840
- V** *Silene articulata* Viv.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Silene*

- V Libya
- R *Silene azirensis* Coode & Cullen 12840  
R 12840 Turkey 12840
- R *Silene barbara* Humbert & Maire  
R Morocco
- R *Silene barbeyana* Heldr. ex Boiss. 20171  
R Greece
- R *Silene bernardina* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Silene berthelotiana* Webb 15105  
R 15105 Spain - Canary Is. 15105
- I *Silene biafrae* Hook.f.  
I Cameroon (Cameroon mt)
- R *Silene biappendiculata* Rohrb.  
R Egypt  
R Libya
- R *Silene birandiana* Ekim 12840  
R 12840 Turkey 12840
- R *Silene bolanthoides* Quezel, Coutaud & A.  
Pamukc. 12840  
R 12840 Turkey 12840
- R *Silene bourgeauii* Webb ex Christ 15105  
R 15105 Spain - Canary Is. 15105
- R *Silene brachypoda* Rouy 20171  
R France (south)
- R *Silene brevicalyx* Hartwig & Strid 12840  
R 12840 Turkey 12840
- R *Silene campanula* Pers. 20171  
R France  
R Italy
- E *Silene campanulata* S.Watson ssp.  
*campanulata* 20850  
E 20850 U.S. - California 20850
- I *Silene canariensis* Willd. 15105  
I 15105 Spain - Canary Is. 15105
- R *Silene capillipes* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Silene caramanica* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Silene cariensis* Boiss. 12840  
R 12840 Turkey 12840
- R *Silene cartilaginea* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Silene caryophylloides* (Poir.) Oth ssp. *echinus*  
(Bois. & Held.) Coode & Cullen 12840  
R 12840 Turkey 12840
- R *Silene caryophylloides* (Poir.) Oth ssp. *stentoria*  
(Fenzl) Coode & Cullen 12840  
R 12840 Turkey 12840
- R *Silene cerastoides* L. 20171  
R 20731 Greece - Crete 20731
- E *Silene cintrana* Rothm. 8000, 20171  
E 20076 Portugal (Cintra) 8000
- E *Silene cirtensis* Pomel 10487  
E 14958 Algeria 10487
- R *Silene claryi* Battand. 10487  
R 14958 Algeria 10487
- E *Silene clokeyi* C.L. Hitchc. & Maguire 20850  
E 20850 U.S. - Nevada 20850
- R *Silene cordifolia* All. 20171  
R France  
R Italy
- I *Silene cretacea* Fisch. ex Spreng. 5942, 20171  
I 5942 Russia (E. Europe) - South 5942
- Ex/E *Silene cryptopetala* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- R *Silene cythnia* (Halácsy) Walters 20171  
R Greece
- R *Silene damboldtiana* Greuter & Melzh. 20171  
R Greece
- Ex/E *Silene degeneri* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- R *Silene delicatula* Boiss. ssp. *pisidica* Coode &  
Cullen 12840  
R 12840 Turkey 12840
- V *Silene declinis* (Lag.) M.Laínz 19174, 20171  
V 19174 Spain (La Safor, Valencia) 20692
- R *Silene dictaea* Rech.f. 20171  
R 20731 Greece - Crete 20731
- R *Silene dinarica* Spreng. 17823, 20171  
R 19949 Romania 20631
- R *Silene dionysii* Stoj. & Jordanov 20171  
R Greece
- R *Silene dissecta* Litard. & Maire  
R Morocco
- E *Silene douglasii* Hook. var. *oraria* (M.E. Peck)  
C.L. Hitchc. & Maguire 20850  
E 20850 U.S. - Oregon 20850
- R *Silene echinosperma* Boiss. & Heldr. 20171  
R Greece
- R *Silene echinospermoides* Huber-Mor. 20731  
R 20731 Greece - East Aegean Is 20731
- V *Silene elegans* Link ex Brot. 20171  
V 8322 Portugal 8322
- R *Silene elisabetha* Jan 20171  
R Italy
- R *Silene elisabethae* Jan 18264, 20171  
R 18264 Italy 18264
- R *Silene ermenekensis* M. Vural & Kit Tan 12840  
R 12840 Turkey 12840
- R *Silene fraudatrix* Meikle 14230  
R 19164 Cyprus 14230
- I *Silene fruticosa* L. ssp. *cyrenaica* Beguinot &  
Vaccari 13988  
I 13988 Egypt (westernmost part of Mediterranean  
coast) 13988  
I Libya
- V *Silene furcata* Raf. ssp. *angustiflora* (Rupr.)  
Walters 14526, 20171  
E 20673 Finland 8000  
V 17832 Norway 14166  
V 20083 Sweden 18216
- R *Silene gaditana* Talavera & Bocquet 20171  
R 20661 Spain (Cádiz, Málaga) 20661
- R *Silene ghiarensis* Battand. 10487  
R 14958 Algeria 10487

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Silene*

- R** *Silene giraldii* Guss. 20171  
**R** Italy  
**R** Italy - Sardinia
- V** *Silene glaberrima* Faure & Maire 10487  
**V** 14958 Algeria 10487
- R** *Silene goulimyi* Turrill 19174, 20171  
**R** 19174 Greece 19174
- I** *Silene guicciardii* Boiss. & Heldr. 20171  
**I** Greece
- R** *Silene haradjianii* Chowdh. 12840  
**R** 12840 Turkey 12840
- V** *Silene haussknechtii* Heldr. ex Hausskn. 8000, 20171  
**V** Greece
- E** *Silene hawaiiensis* Sherff 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Silene hawaiiensis* Sherff var. *hawaiiensis* 14209  
**R** 14209 U.S. - Hawaii 14209
- I** *Silene hellmannii* Claus 8000, 20171  
**I** 11552 Russian Federation (western, Ural Mts) 11552
- E** *Silene hicesiae* Brullo & Signor. 17891, 20171  
**E** 18264 Italy - Sicily 17891
- I** *Silene hidakaalpina* (Miy. & Tatew.) Ohwi & Ohashi 10572  
**I** 10572 Japan 10572
- V** *Silene hifacensis* Rouy ex Willk. 8000, 20171  
**E** 20692 Spain (east - Alicante Province) 8000  
**V** 11496 Spain - Balearic Is. (Ibiza) 8000
- V** *Silene holzmannii* Heldr. ex Boiss. 20171  
**V** 20731 Greece - East Aegean Is 20731
- R** *Silene inclinata* Huber & Mor. 12840  
**R** 12840 Turkey 12840
- R** *Silene insularis* Barbey 20171  
**R** 20731 Greece - Crete (Karpathos) 20731
- R** *Silene integripetala* Bory & Chaub. ssp. *greuteri* (Phitos) Akeroyd 19121, 20171  
**R** 20731 Greece - Crete 20731
- R** *Silene isaurica* Contand. & Quezel 12840  
**R** 12840 Turkey 12840
- R** *Silene ispartensis* Ghazanfar 12840  
**R** 12840 Turkey 12840
- R** *Silene jailensis* N.I. Rubtzov 20171  
**E** 20655 Ukraine - Crimea 20653  
**R** former European USSR
- I** *Silene khasiana* Rohrb. 14782  
**I** 14782 India - Meghalaya 14782
- R** *Silene kumaonensis* F. Williams 13883  
**R** 13883 India - Uttar Pradesh (Garhwal Himalaya) 13883
- R** *Silene kunawarensis* Royle 13883  
**R** 13883 India - Himachal Pradesh 13883  
**R** 13883 India - Jammu & Kashmir 13883  
**R** 13883 Pakistan 13883
- R** *Silene laconica* Boiss. & Orph. 20171  
**R** Greece
- V** *Silene lagunensis* C. Smith 15105  
**V** 15105 Spain - Canary Is. 15105
- E** *Silene lanceolata* Gray 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Silene lanceolata* A.Gray var. *lanceolata* 14209  
**E** 14209 U.S. - Hawaii 14209
- R** *Silene leucophylla* Boiss.  
**R** Egypt
- V** *Silene longicilia* (Brot.) Otth 8000, 20171  
**V** 20076 Portugal 8000
- R** *Silene lucida* Chowdh. ssp. *glandulosa* T. Ekim 12840  
**R** 12840 Turkey 12840
- R** *Silene lycanica* Chowdh. 12840  
**R** 12840 Turkey 12840
- R** *Silene macrantha* (Pancic) H. Neumayer 20178, 20171  
**R** 20178 Albania 20178  
**R** (former) Yugoslavia
- V** *Silene mariana* Pau 17891, 20171  
**V** 20660 Spain (Clórde, Sevilla, Málaga) 11496
- I** *Silene marmarica* Beguinot & Vaccari  
**I** Libya
- E** *Silene marmorensis* Kruckeberg 20850  
**E** 20850 U.S. - California 20850
- R** *Silene morrisonmontana* (Hayata) Ohwi & Ohashi var. *glabella* (Ohwi) & Ohashi 20511  
**R** 20511 Taiwan 20511
- V** *Silene nachlingerae* Tiehm 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Silene nevadensis* Boiss. 20171  
**V** Spain
- R** *Silene niederi* Heldr. ex Boiss. 20171  
**R** Greece
- E** *Silene nocteolens* Webb & Berthel. 15105  
**E** 20750 Spain - Canary Is. 15105
- R** *Silene oligantha* Boiss. & Heldr. 20171  
**R** Greece
- Ex** *Silene oligotricha* Huber-Mor. 12840  
**Ex** 12840 Turkey 12840
- R** *Silene oreades* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- E** *Silene orphanidis* Boiss. 8000, 20171  
**E** Greece (north (Athos)) 8000
- R** *Silene ovata* Pursh 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Arkansas 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**E** 20850 U.S. - Virginia 20850
- R** *Silene paphlagonica* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Silene parishii* S. Watson 20850  
**I** 20850 U.S. - California 20850
- E** *Silene parishii* S. Wats var. *parishii* 20850  
**I** 20850 U.S. - California 20850
- R** *Silene pentelica* Boiss. 20171  
**R** Greece
- E** *Silene perlmanii* W.L. Wagner, Herbst & Sohmer 20850, 14209

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Silene*

- E 20850 U.S. - Hawaii (O'ahu, Wai'anae Mts.)  
20850
- R** *Silene petersonii* Maguire 20850  
R 20850 U.S. - Utah 20850
- E** *Silene petersonii* Maguire var. *minor* C.L. Hitchc. & Maguire 20850  
20850 U.S. - Utah 20850
- V** *Silene petersonii* Maguire var. *petersonii* 20850  
20850 U.S. - Utah 20850
- R** *Silene pindicola* Hausskn. 19174, 20171  
R 20178 Albania 20178  
R 19174 Greece 19174
- R** *Silene pinetorum* Boiss. & Heldr. 20171  
R 20731 Greece - Crete 20731
- R** *Silene plankii* C.L. Hitchc. & Maguire 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- R** *Silene pogonocalyx* (Svent.) D. Bramwell in press 15105  
R 15105 Spain - Canary Is. 15105
- V** *Silene polypetala* (Walt.) Fern. & Schub. 20850, 16273  
E 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850
- E** *Silene pompeopolitana* J.Gay ex Boiss. 12840, 20171  
E 12840 Turkey 12840
- E** *Silene pseudovestita* Battand. 10487  
E 14958 Algeria 10487
- E** *Silene rectiramea* B.L. Robins. 20850, 14662  
E 20850 U.S. - Arizona 20850
- E** *Silene reeseana* Maire  
E Morocco
- R** *Silene regia* Sims 20850  
V 20850 U.S. - Alabama 20850  
V 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Illinois 20850  
V 20850 U.S. - Indiana 20850  
Ex/E 20850 U.S. - Kansas 20850  
E 20850 U.S. - Kentucky 20850  
R 20850 U.S. - Missouri 20850  
E 20850 U.S. - Ohio 20850  
E 20850 U.S. - Oklahoma 20850  
Ex/E 20850 U.S. - Tennessee 20850
- I** *Silene repens* Patr. var. *apoiensis*  
Hara 10572  
I 10572 Japan 10572
- R** *Silene reticulata* Desf. 14958  
R Algeria  
I Tunisia
- R** *Silene retzdorffiana* (K.Maly) H.Neumayer 20171  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- V** *Silene reverchoni* Battand. 10487  
V 14958 Algeria 10487
- R** *Silene rhiphaena* Pau & Font Quer  
R Morocco
- R** *Silene rosulata* Soy.-Will. & Godron 10487, 20171  
R 14958 Algeria 10487
- R** *Silene rosulta* Soyer-Willemet & Godron ssp. *sanctae-therasiae* (Jeanmonod) Jeanmonod 18264
- R** 18264 Italy - Sardinia 18264
- E** *Silene rothmaleri* P.Silva 8000, 20171  
E 20706 Portugal (south west) 8000
- V** *Silene sabinosae* Pitard 15105  
V 20750 Spain - Canary Is. 15105
- V** *Silene salsuginea* Huber-Mor. 12840  
V 12840 Turkey 12840
- V** *Silene sangaria* Coode & Cullen 12840, 20171  
V 19873 Turkey 12840
- R** *Silene scabrida* Soy.-Will. & Godron  
R Algeria  
I Tunisia
- V** *Silene schimperiana* Boiss. 16168  
V 16168 Egypt 16168
- R** *Silene schmuckeri* Wettst. 20171  
R (former) Yugoslavia
- R** *Silene schwarzenbergeri* Halácsy 19174, 20171  
R 19174 Albania 19174  
R 19174 Greece 19174
- R** *Silene scythicina* Coode & Cullen 12840  
R 12840 Turkey 12840
- E** *Silene seelyi* Morton & J.W. Thompson 20850  
E 20850 U.S. - Washington 20850
- E** *Silene sessionis* Battand. 10487  
E 14958 Algeria 10487
- R** *Silene sipylea* O. Schwarz 12840  
R 12840 Turkey 12840
- V** *Silene sordida* Huber-Mor. & Reese 12840  
V 12840 Turkey 12840
- V** *Silene spaldingii* S.Watson 20850  
E 20850 Canada - British Columbia 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Montana 20850  
E 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- R** *Silene splendens* Boiss. 12840  
R 12840 Turkey 12840
- R** *Silene squamigera* Boiss. ssp. *vesiculifera* (Gay ex Boiss.) Coode & Cullen 12840  
R 12840 Turkey 12840
- R** *Silene stenocalycina* Rech.f. 20171  
R Greece
- E** *Silene stockenii* Chater 19174, 20171  
E 19174 Spain (Cádiz) 11496
- R** *Silene subciliata* B.L. Robins. 20850  
E 20850 U.S. - Louisiana 20850  
R 20850 U.S. - Texas 20850
- R** *Silene succulenta* Forssk. 20171  
V Greece  
R 20805 Italy - Sardinia 20805
- V** *Silene succulenta* Forssk. ssp. *corsica* (DC.) Nyman 15080, 20171  
V 20726 France - Corsica 15080  
V 18264 Italy - Sardinia 15080
- R** *Silene surculosa* Huber-Mor. 12840  
R 12840 Turkey 12840
- Ex/E** *Silene telavivensis* Zoh. & Plitn. 8895  
Ex/E Israel (last seen 1960) 8896
- R** *Silene tempkyana* Freyn & Sint. 20171  
R Greece

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Caryophyllaceae: *Silene*

- R** *Silene tunicoides* Boiss. 12840  
**R** 12840 Turkey 12840
- E** *Silene uralensis* (Rupr.) Bocquet ssp. *ogilviensis* (Porsild) Brumton 20850, 1034  
**E** 20850 Canada - Yukon Territory 20850  
**I** 20850 U.S. - Alaska 20850
- I** *Silene vagans* Clarke 14782  
**I** 14782 India - Nagaland 14782
- V** *Silene velutina* Pourr. ex Loisel. 8000, 20171  
**V** 19174 France - Corsica (south-eastern) 19174  
**E** 18264 Italy - Sardinia (rocks of northern Sardegna.) 19997
- R** *Silene velutinoides* Pomel 10487, 20171  
**R** 14958 Algeria 10487
- V** *Silene verecunda* S.Watson ssp. *verecunda* 20850  
**V** 20850 U.S. - California 20850
- R** *Silene vidaliana* Pau & Font Quer  
**R** Morocco
- R** *Silene viscariopsis* Bornm. 20171  
**R** (former) Yugoslavia
- I** *Silene volubilitana* Braun-Blanquet & Maire  
**I** Morocco
- R** *Silene wrightii* Gray 20850  
**R** 20850 U.S. - New Mexico 20850
- R** *Silene zawadzkyi* Herbach 17823, 20171  
**R** 19947 Romania 19949  
**I** 5942 Ukraine (Carpathian Mts.) 5942
- V** *Spergularia arvensis* L. ssp. *gracilis* (E. Petit) Briq. 8001, 20171  
**V** 20726 France - Corsica 19164
- V** *Spergularia fontenellei* Maire 10487  
**V** 14958 Algeria 10487
- R** *Spergularia viscosa* Lag. ssp. *viscosa*  
**R** Spain
- V** *Spergularia azorica* (Kindb.) Lebel 8000, 20171  
**V** 19174 Portugal - Azores 8000
- E** *Spergularia collina* I.M. Johnston 18200  
**E** 9446 Peru 18200
- E** *Spergularia congestifolia* I.M. Johnston 18200  
**E** 9446 Peru 18200
- R** *Spergularia fallax* Lowe  
**R** Portugal - Madeira  
**I** Portugal - Salvage Is.  
**R** Spain - Canary Is.
- V** *Spergularia fasciculata* Philippi 18200  
**V** 9446 Peru 18200
- R** *Spergularia lyciularia* Mounnier & Quezel 12840  
**R** 12840 Turkey 12840
- V** *Spergularia masafuerana* Skottsbo. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- R** *Spergularia pycnorrhiza* (Maire) Monnier 10487  
**R** 14958 Algeria 10487
- R** *Spergularia tenuifolia* Pomel 10488  
**R** 14958 Algeria 10488
- V** *Stellaria alaskana* Hulten 20850, 1034  
**I** 20850 Canada - British Columbia 20850  
**E** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Stellaria aphanantha* Griseb. 16336

- R** 16336 Argentina 16336  
**R** 20176 Argentina - Catamarca 20176
- R** *Stellaria decipiens* var. *angustata* 19106  
**R** 19305 New Zealand - Antipodes Is. 19106
- I** *Stellaria depressa* Schmid  
**I** India - Jammu & Kashmir
- R** *Stellaria dicranoides* (Cham. & Schlecht.) Fenzl 1034  
**E** 20850 Canada - Yukon Territory 20850  
**R** 20850 U.S. - Alaska 20850
- Ex** *Stellaria elatinoides* Hook. f. 15135  
**Ex** 15135 New Zealand - North Is. 15135
- V** *Stellaria fontinalis* (Short & Peter) B.L. Robins. 20850  
**E** 20850 U.S. - Kentucky 20850  
**V** 20850 U.S. - Tennessee 20850
- R** *Stellaria longipes* Goldie ssp. *arenicola* (Raup) Chinnappa & J.K. Morton 20850  
**E** 20850 Canada - Alberta 20850  
**R** 20850 Canada - Saskatchewan 20850
- R** *Stellaria nipponica* Ohwi var. *yezoensis* Hara 10572  
**R** 10572 Japan 10572
- E** *Stellaria porsildii* Chinnappa 20850  
**E** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - New Mexico 20850
- R** *Stellaria pterosperma* Ohwi 10572  
**R** 10572 Japan 10572
- V** *Stellaria ruscifolia* Hulten ssp. *aleutica* Hulten 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Thurya capitata* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Uebelinia crassifolia* T.C.E. Fries  
**R** Kenya (Mt. Kenya & Aberdare Mts.) 7959
- R** *Velezia hispida* Boiss. 12840  
**R** 12840 Turkey 12840
- V** *Velezia pseudorigida* Huber-Mor. 12840  
**V** 12840 Turkey 12840
- V** *Velezia tunicoides* Davis 12840  
**V** 12840 Turkey 12840

Casuarinaceae

Number of genera:	1
Number of species:	50
Recorded threatened species:	14 (28%)

Australia, Pacific islands, Asia.

- R** *Allocasuarina crassa* L.A.S.Johnson 20681  
**R** 20681 Australia - Tasmania 20681
- E** *Allocasuarina defungens* L.A.S.Johnson 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Allocasuarina duncanii* L.A.S.Johnson & D.I.Morris 20681  
**V** 20681 Australia - Tasmania 20681
- E** *Allocasuarina emuina* L.A.S.Johnson 20681  
**E** 20681 Australia - Queensland 20681
- V** *Allocasuarina fibrosa* (C.Gardner) L.A.S.Johnson 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Allocasuarina filidens* L.A.S.Johnson 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Casuarinaceae: *Allocasuarina*

- R 20681 Australia - Queensland 20681
- E *Allocasuarina glareicola* L.A.S.Johnson 20681  
E 20681 Australia - New South Wales 20681
- E *Allocasuarina portuensis* L.A.S.Johnson 20681  
E 20681 Australia - New South Wales 20681
- R *Allocasuarina rupicola* L.A.S.Johnson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Allocasuarina simulans* L.A.S.Johnson 20681  
V 20681 Australia - New South Wales 20681
- V *Allocasuarina thalassoscopica* L.A.S.Johnson 20681  
V 20681 Australia - Queensland 20681
- V *Allocasuarina tortiramula* E.M.Bennett 20681  
V 20681 Australia - Western Australia 20681
- R *Gymnostoma australianum* L.A.S.Johnson 20681  
R 20681 Australia - Queensland 20681
- V *Gymnostoma leucodon* (Poisson) L.Johnson 20893  
V 20893 New Caledonia 20893

Cecropiaceae

Number of genera: 6  
Number of species: 276  
Recorded threatened species: 41 (14%)

Tropical.

- R *Cecropia granvilleana* C.C. Berg 11120  
R 11120 French Guiana 11120
- V *Cecropia longipes* Pitt. 20883, 9006  
V 20883 Panama 20883
- E *Cecropia maxonii* Pitt. 20883, 9006  
I 20883 Panama 20883
- R *Cecropia pittieri* Robinson 9037  
R 11120 Costa Rica 9037
- E *Coussapoa arachnoidea* Akkermans & Berg 20883  
E 20883 Brazil 20883
- V *Coussapoa argentea* Akkermans & Berg 20883  
I 20883 Venezuela 20883
- E *Coussapoa batavorum* Akkermans & Berg 20883, 11120  
E 20883 Colombia 20883
- R *Coussapoa brevipes* Pitt. 20883, 9006  
I 20883 Panama 20883
- E *Coussapoa chocoensis* Cuatrecasas 20883, 11120  
E 20883 Colombia 20883
- E *Coussapoa cinnamomea* Cuatrecasas 20883  
E 20883 Colombia 20883
- E *Coussapoa cupularis* Akkermans & Berg 20883, 11120  
E 20883 Brazil 20883
- R *Coussapoa curranii* Blake 20883, 11120  
I 20883 Brazil (south-east and south) 21022
- V *Coussapoa echinata* Akkermans & Berg 20883, 9991  
R 9991 Panama 20883
- V *Coussapoa ferruginea* Trécul 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E *Coussapoa floccosa* Akkermans & Berg 20883, 11120  
E 20883 Brazil 20883  
I 21022 Brazil - Minas Gerais 21022
- E *Coussapoa fulvescens* Berg 20883  
E 20883 Colombia 20883

- R *Coussapoa glaberrima* Burger 20883, 9037  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883  
I 20883 Panama 20883
- R *Coussapoa longepedunculata* Akkermans & Berg 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- E *Coussapoa macerrima* Akkermans & Berg 20883, 9991  
E 20883 Costa Rica 20883
- E *Coussapoa manuensis* Berg 20883, 12468  
R 9991 Peru 20883
- V *Coussapoa napoensis* Akkermans & Berg 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- V *Coussapoa nymphaeifolia* Standley 20883  
I 20883 Costa Rica 20883
- E *Coussapoa pachyphylla* Akkermans & Berg 20883, 11120  
I 20883 Brazil 20883
- E *Coussapoa scabra* Akkermans & Berg 20883, 11120  
E 20883 Brazil 20883
- E *Coussapoa tolimensis* Berg 20883  
E 20883 Colombia 20883
- V *Coussapoa valaria* Berg 20883  
I 20883 Colombia 20883
- R *Pourouma acuminata* Martius ex Miquel 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R *Pourouma bicolor* (Standley) C.C. Berg & van Heusden ssp. *chocoana* (Standley) C.C. Berg & Heusolen 20883, 9006  
I 20883 Panama 20883  
I 20883 Colombia 20883
- R *Pourouma bicolor* ssp. *tessmannii* (Mildbraed) C.C. Berg & van Heusden 20883  
I 20883 Peru 20883
- E *Pourouma bolivarensis* C. C. Berg 20883  
I 20883 Venezuela 20883
- V *Pourouma elliptica* Standley 20883  
V 20883 Brazil 20883
- R *Pourouma ferruginea* Standley 20883  
I 20883 Brazil 20883
- R *Pourouma formicarum* Ducke 20883  
R 20883 Brazil 20883
- R *Pourouma guianensis* ssp. *venezuelensis* (Cuatrecasas) C.C. Berg & van Heusden 20883  
V 20883 Venezuela 20883
- V *Pourouma herrerensis* Berg 20883  
I 20883 Peru 20883
- R *Pourouma hirsutipetiolata* Mildbraed 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- V *Pourouma hirsutipetiolata* Mildbraed ssp. *hirsutipetiolata* 20883  
I 20883 Colombia 20883
- R *Pourouma hirsutipetiolata* Mildbraed ssp. *hispidata* (Standley & Cuatrecasas) C. C. Berg & van Heusden 20883  
E 20883 Colombia 20883  
I 20883 Ecuador 20883
- R *Pourouma melinonii* ssp. *glabrata* C.C. Berg & van Heusden 20883  
I 20883 Panama 20883  
I 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cecropiaceae: *Pourouma*

- V** *Pourouma napoensis* Berg 20883, 11120  
V 11120 Ecuador 20883
- V** *Pourouma oraria* Standl. & Cuatr. 20883, 9006  
I 20883 Panama 20883  
V 11120 Colombia 20883
- V** *Pourouma phaeotricha* Mildbraed 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E** *Pourouma stipulaceae* C.C. Berg 20883  
I 20883 Guyana 20883
- R** *Pourouma tomentosa* ssp. *essequiensis* (Standley) C.C. Berg & van Heusden 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883
- R** *Pourouma tomentosa* ssp. *maroniensis* (Benoist) C.C. Berg & van Heusden 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Suriname 20883

**Celastraceae**

Number of genera: 50  
Number of species: 800  
Recorded threatened species: 93 (11%)

Pantropical, some in temperate regions.

- E** *Anthodon panamense* A.C. Sm. 20883, 10747  
I 20883 Panama 20883
- E** *Apatophyllum constablei* McGillivray 20681  
E 20681 Australia - New South Wales 20681
- V** *Apatophyllum olsenii* McGillivray 20681  
V 20681 Australia - Queensland 20681
- R** *Bhesa ceylanica* (Arn.) Ding Hou 12838  
R 12838 Sri Lanka 12838
- E** *Bhesa nitidissima* Kosterm. 10283  
E 12838 Sri Lanka 10283
- E** *Bhesa sinica* (H.T. Chang & S.Y. Liang) H.T. Chang & S.Y. Liang 17617  
E 17617 China - Guangxi (Nankan) 17617
- R** *Campylostemon nigrisilvae* Halle 7927  
R Côte d'Ivoire
- V** *Catha abbottii* A.E. van Wyk & M. Prins 20604  
V 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Natal 20604
- E** *Celastrus panamensis* Lund. 20883, 9006  
R 19577 Panama 20883
- V** *Crossopetalum ekmanii* (Urban) Alain 5607  
V 19105 Cuba (Sancti Spiritus) 5607
- R** *Crossopetalum ilicifolium* (Poir.) Kuntze 20850  
V 20850 U.S. - Florida 20850
- R** *Crossopetalum panamense* Lundell 10303  
R 19577 Panama 10303
- E** *Crossopetalum rostratum* (Urban) Rothm. 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Cuervea hawkesii* Proctor 20883, 13336  
E 13336 Jamaica 20883
- R** *Cuervea jamaicensis* Proctor 20883  
R 20883 Jamaica 20883
- R** *Denhamia moorei* Jessup 20681  
R 20681 Australia - New South Wales 20681
- V** *Denhamia parvifolia* L.S. Smith 20681  
V 20681 Australia - Queensland 20681
- R** *Denhamia viridissima* Bailey & F. Muell. 20681  
R 20681 Australia - Queensland 20681
- E** *Elaeodendron gomenense* Viroi 20893  
E 20893 New Caledonia 20893
- R** *Elaeodendron laneanum* A.H. Moore  
R Bermuda
- E** *Elaeodendron vieillardii* Guillaumin 20893  
E 20893 New Caledonia 20893
- E** *Euonymus angulatus* Wight 11494  
E 11494 India - Karnataka (Coorg) 11494  
E 11494 India - Kerala (Palghat Dt) 11494  
E 11494 India - Tamil Nadu (Nilgiri Hills) 11494
- E** *Euonymus assamicus* Blake Lock 11494  
E 11494 India - Assam (Delei Valley) 11494
- E** *Euonymus boninensis* Koidz. 8037  
E 19134 Japan - Ogasawara-shoto 8037
- I** *Euonymus bullatus* Wallich ex Lindley  
I India - Assam  
I India - Meghalaya
- R** *Euonymus globularis* Ding Hou 20681  
R 20681 Australia - Queensland 20681
- I** *Euonymus koopmannii* Lauche 5942  
I 5942 Kazakhstan 5942  
I 5942 Kyrgyzstan 5942
- R** *Euonymus latifolius* (L.) Miller ssp. *caucensis* Coode & Cullen 12840  
R 20618 Turkey 20618
- R** *Euonymus mexicanus* Benth. 10295  
R 19755 Mexico - Hidalgo 10295
- E** *Euonymus morrisonensis* Kaneh. & Sas. 20511  
E 20854 Taiwan (Mt Alishan & Mt Yushan) 20511
- E** *Euonymus pallidifolia* Hayata 20511  
E 20854 Taiwan (P'ing-tung; Heng-ch'un) 20511
- I** *Euonymus paniculatus* Wight ex M. Lawson  
I India - Tamil Nadu
- Ex/E** *Euonymus serratifolius* Beddome 11494  
Ex/E 11494 India - Tamil Nadu 11494
- I** *Euonymus thwaitesii* Lawson 10252  
I 16162 Sri Lanka 10252
- R** *Euonymus walkeri* Wight 12838  
R 12838 Sri Lanka 12838
- I** *Glyptopetalum palawanense* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- R** *Gyminda orbicularis* Borh. & Muniz 5607  
R 19105 Cuba (Guantanamo) 5607
- V** *Hexaspora pubescens* C. White 20681, 5465  
V 20681 Australia - Queensland 20681
- R** *Hippocratea andamanica* King 7771  
R 14782 India - Andaman Is. 7771
- I** *Hippocratea graciliflora* Oliv. var. *newalensis* Blake Lock 5926  
I 5926 Tanzania 5926
- I** *Hippocratea nicobarica* Kurz 7771  
I India - Nicobar Is. 7771
- R** *Hypsophila halleyana* F. Muell. 20681  
R 20681 Australia - Queensland 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Celastraceae: *Hypsophila*

- I** *Kokoona coriacea* King 7609  
**I** 13926 Malaysia - Peninsular Malaysia (Perak) 7609
- I** *Kokoona sessilis* Ding Hou 7609  
**I** 13926 Malaysia - Peninsular Malaysia 7609
- I** *Loeseneriella bourdillonii* (Gamble) Raju  
**I** India - Kerala
- V** *Maytenus abbotii* A.E.van Wyk 20604  
**V** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Natal 20604
- R** *Maytenus acuminata* (L. f.) Loes var. *uva-ursi*  
**Brenan** 7749  
**R** Malawi 7749
- E** *Maytenus addat* (Loes.) Sebsebe 19704  
**E** 19704 Ethiopia (Shewa Upland, Arsi, Sidamo, Bale, Gamo Gofa.) 19704
- R** *Maytenus bachmannii* (Loes.) Marais 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Maytenus buxifolius* Triana & Planchon 19352  
**I** 19352 Colombia 19352
- V** *Maytenus clarendonensis* Britton 20883  
**V** 20883 Jamaica 20883
- E** *Maytenus cortii* (Pichi-Serm.) Cuf. 19704  
**E** 19704 Ethiopia (Gonder) 19704
- R** *Maytenus crassipes* Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Maytenus cymosa* Krug & Urban 20883  
**I** 20883 Puerto Rico (Piñeros; Vieques) 20883  
**I** 20883 British Virgin Is. (Virgin Gorda) 20883  
**I** 20883 USA - Virgin Is. (St. Croix; St. Thomas) 20883
- V** *Maytenus dryandri* (Lowe) Loes.  
**V** Portugal - Madeira
- V** *Maytenus elongata* (Urban) Britt. 20883  
**V** 20883 Puerto Rico 20883
- I** *Maytenus fruticosa* (Thwaites) Loes. 10252  
**I** 16162 Sri Lanka 10252
- V** *Maytenus harenensis* Sebsebe 19704  
**V** 19704 Ethiopia (Bale) 19704
- I** *Maytenus harrisii* Krug & Urb. 20883, 13336  
**I** 13336 Jamaica 20883
- E** *Maytenus jefeana* Lund. 20883, 10747  
**I** 20883 Panama 20883
- R** *Maytenus keniensis* Robson ined. 17435  
**R** 17435 Kenya (Mt. Kenya) 17435
- Ex** *Maytenus lineata* C. Wright 5607  
**Ex** 15112 Cuba (Pinar del Rio) 5607
- Ex/E** *Maytenus lucayana* Britton 4650  
**Ex/E** 4650 Bahamas (Grand Bahama) 4650
- R** *Maytenus microcarpa* F. & R. 20883, 13336  
**R** 13336 Jamaica 20883
- I** *Maytenus mossambicensis* (Kl.) Blakelock var. *stlozii*  
**Robson** 5926  
**I** 5926 Tanzania 5926
- R** *Maytenus oleosa* A.E.van Wyk & R.H.Archer 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- E** *Maytenus pertinax* N.Hallé & Florence 20845  
**E** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- E** *Maytenus ponceana* Britt. 20883, 8058  
**I** 20883 Puerto Rico 20883
- I** *Maytenus richardsiae* Robson 5926  
**I** 5926 Tanzania 5926
- R** *Maytenus vanwykii* R.H.Archer 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Microtropis deniflora* Wight  
**I** India - Tamil Nadu
- R** *Monimopetalum chinense* Rehder 17617  
**R** 17617 China - Anhui 11139  
**R** 17617 China - Jiangxi 11139
- V** *Paxistima canbyi* Gray 20850  
**V** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Ohio 20850  
**E** 20850 U.S. - Pennsylvania 20850  
**E** 20850 U.S. - Tennessee 20850  
**V** 20850 U.S. - Virginia 20850  
**V** 20850 U.S. - West Virginia 20850
- R** *Pleurostyliia leucocarpa* Baker 10082  
**R** 20771 Mauritius 10082
- R** *Pleurostyliia putamen* Marais 10082  
**R** 5852 Mauritius - Rodrigues 5852
- I** *Pristimera monilensis* (Hallé) Hallé 7927  
**I** 7927 Gabon 7927
- V** *Pseudosalacia streyi* Codd 20604  
**V** 20604 South Africa - Cape Province (Transkei) 20604  
**V** 20604 South Africa - Natal 20604
- R** *Salacia beddomei* Gamble 13883  
**R** 13883 India - Tamil Nadu 13883
- I** *Salacia cymosa* Elm. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Salacia gagnepainiana* Tard. 6057  
**R** Vietnam 6057
- E** *Salacia jenkinsii* Kurz 11494  
**E** 11494 India - Assam 11494
- I** *Salacia lehmbachii* Loes. var. *uregaensis* (Wilczek) Hallé 21073  
**I** 21073 Zaire (District Forestier Central) 21073
- I** *Salacia macrosperma* Wight  
**I** India - Karnataka (Concan)  
**I** India - Tamil Nadu (Wynaad, Nilgiri)
- Ex/E** *Salacia malabarica* Gamble 11494  
**Ex/E** 11494 India - Karnataka (Coorg) 11494  
**Ex/E** 11494 India - Kerala (Travancore Hills) 11494
- I** *Salacia marginata* Ding Hou 13833  
**I** 13833 Philippines (low altitude) 13833
- V** *Salacia miegei* Halle 20887  
**V** 20887 Côte d'Ivoire 20887
- E** *Salacia wrightii* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- E** *Schaefferia lottiae* Lundell 20883  
**I** 20883 Mexico 20883
- V** *Schaefferia obovata* Urb. 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Schaefferia ovatifolia* Lundell 20883  
**I** 20883 Mexico 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Celastraceae: *Schaefferia*

- V** *Tetrasiphon jamaicensis* Urb. 20883, 13336  
 V 13336 Jamaica 20883
- E** *Wimmeria caudata* Lundell 20883  
 I 20883 Mexico 20883
- I** *Wimmeria sternii* Lund. 20883, 9690  
 V 11967 Nicaragua 9690  
 I 20883 Panama 20883
- E** *Zinowiewia micrantha* Lund. 20883, 10747  
 I 20883 Panama 20883

**Ceratophyllaceae**

Number of genera: 1  
 Number of species: 6  
 Recorded threatened species: 1 (16%)

Cosmopolitan.

- I** *Ceratophyllum tanaiticum* Sapjegin 8000, 20171  
 I 11552 Russian Federation (western) 11552

**Chenopodiaceae**

Number of genera: 100  
 Number of species: 1,500  
 Recorded threatened species: 88 (5%)

Cosmopolitan, especially deserts and semideserts.

- V** *Aphanisma blitoides* Nutt. ex Moq. 20883, 20850  
 V 20850 U.S. - California 20850  
 V 20883 Mexico 20883
- V** *Atriplex bonnevillensis* C.A. Hanson 20850  
 I 20850 U.S. - Nevada 20850  
 V 20850 U.S. - Utah 20850
- E** *Atriplex canescens* (Pursh)Nutt. var. *gigantea*  
 Welsh & Stutz 20850  
 E 20850 U.S. - Utah 20850
- R** *Atriplex chapinii* I.M. Johnston 5595  
 R 19534 Chile - Islas Desventurados 5595
- V** *Atriplex cordulata* Jepson 20850  
 V 20850 U.S. - California 20850
- R** *Atriplex coronata* S.Watson var. *coronata* 20850  
 R 20850 U.S. - California 20850
- E** *Atriplex coronata* Jepson var. *notatior*  
 Jepson 20850  
 E 20850 U.S. - California 20850
- V** *Atriplex coulteri* (Moq.) D. Dietr. 20850  
 V 20850 U.S. - California 20850
- V** *Atriplex drymarioides* Standl. 20850  
 20850 U.S. - Alaska 20850
- R** *Atriplex eichleri* Aellen 20681  
 R 20681 Australia - South Australia 20681
- R** *Atriplex foliolosa* Philippi 5595  
 R 19534 Chile - Islas Desventurados 5595
- R** *Atriplex fruticulosa* Jepson 20850  
 I 20850 U.S. - California 20850
- R** *Atriplex griffithsii* Standl. 20850  
 R 20850 U.S. - Arizona 20850  
 V 20850 U.S. - New Mexico 20850
- V** *Atriplex infrequens* Paul G.Wilson 20681  
 V 20681 Australia - New South Wales 20681
- V** *Atriplex klebergorum* M.C. Johnston 20850  
 V 20850 U.S. - Texas 20850
- V** *Atriplex parishii* S.Watson 20850  
 Ex/E 20850 U.S. - California 20850
- R** *Atriplex parryi* S.Watson 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- V** *Atriplex patula* L. ssp. *spicata* (S.Watson) Hall & Clements 20850  
 V 20850 U.S. - California 20850
- I** *Atriplex plebeja* Carmich. 19938  
 I 19938 Tristan da Cunha (Nightingale, Tristan) 19938
- R** *Atriplex repanda* Phil. 20883, 10370  
 R 20883 Chile 20883
- V** *Atriplex serenana* A. Nels. var.  *davidsonii*  
 (Standl.) Munz 20850  
 V 20850 U.S. - California 20850
- R** *Atriplex spinifera* J.F. Macbr. 20850  
 I 20850 U.S. - California 20850
- R** *Atriplex tatarica* L. var. *constantinopolitana*  
 Aellen 12840  
 R 12840 Turkey 12840
- R** *Atriplex tatarica* L. var. *pseudo-ornata*  
 Aellen 12840  
 R 12840 Turkey 12840
- E** *Atriplex tularensis* Coville 20850  
 E 20850 U.S. - California 20850
- E** *Atriplex vallicola* Hoover 20850  
 E 20850 U.S. - California 20850
- R** *Atriplex wardii* Standl. 20850  
 R 20850 U.S. - Texas 20850
- V** *Atriplex welshii* C.A. Hanson 20850  
 V 20850 U.S. - Utah 20850
- E** *Bassia saxicola* (Guss.) A.J.Scott 18264, 20171  
 E 18264 Italy 18264  
 E 20738 Italy - Sicily 17891
- V** *Beta adanensis* Pamukç. ex Aellen 12840, 20171  
 V 12840 Turkey 12840
- R** *Beta nana* Boiss. & Heldr. 20171  
 R Greece
- R** *Beta patula* Aiton 17891  
 R Portugal - Madeira 17891
- E** *Beta trojana* (Pamuk.) Aellen 12840  
 E 12840 Turkey 12840
- R** *Beta webbiana* (Moq.) Webb & Berthel.  
 R Spain - Canary Is.
- I** *Chenopodium ambrosioides* L. var. *tomentosum*  
 (Thouars) Aellen 19938  
 I 19938 Tristan da Cunha 19938
- E** *Chenopodium cruseoanum* Skottsbo. 19116  
 E 19125 Chile - Juan Fernandez Is. 19116
- Ex** *Chenopodium helenense* Aellen 10260  
 Ex 18996 St Helena 18996
- R** *Chenopodium hircinum* Schrader var. *catamarcense*  
 Allen 16336  
 R 16336 Argentina 16336  
 R 20176 Argentina - Catamarca 20176  
 R 20176 Argentina - La Rioja 20176  
 R 20176 Argentina - Tucuman 20176
- V** *Chenopodium moquinianum* Aellen  
 V Egypt

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chenopodiaceae: *Chenopodium*

- E** *Chenopodium nesodendron* Skottsbg. 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- E** *Chenopodium sanctae-clarae* Johow 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- R** *Chenopodium sancti-ambrosii* Skottsbg. 5595  
**R** 19534 Chile - Islas Desventuradas 5595
- R** *Chenopodium subglabrum* (S.Watson) A. Nels. 20850, 2063  
**E** 20850 Canada - Alberta 20850  
**I** 20850 Canada - Manitoba 20850  
**I** 20850 Canada - Ontario 20850  
**E** 20850 Canada - Saskatchewan 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Michigan 20850  
**I** 20850 U.S. - Missouri 20850  
**E** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - Nebraska 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - North Dakota 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - South Dakota 20850  
**I** 20850 U.S. - Washington 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Corispermum algidum* Iljin 8000, 20171  
**R** former European USSR 8000
- R** *Cremnophyton lanfrancoi* Brullo & Pavone 13351, 20171  
**R** 13351 Malta (SW Malta and W Gozo) 13351
- R** *Cyathobasis fruticulosa* (Bunge) Aellen 12840  
**R** 12840 Turkey 12840
- I** *Darniella melitensis* (Botschantzev) Brullo 13351  
**I** 13351 Malta 13351
- R** *Goerziella minima* (Standley) Urban 5607  
**R** 19105 Cuba (Pinar del Rio) 5607
- V** *Halosarcia bulbosa* Paul G.Wilson 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Halosarcia entrichoma* Paul G.Wilson 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Halosarcia flabelliformis* Paul G.Wilson 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- E** *Kalidiopsis wagenitzii* Aellen 12840  
**E** 12840 Turkey 12840
- R** *Kochia californica* S.Watson 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Maireana cheelii* (R.Anderson) Paul G.Wilson 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Maireana melanocarpa* Paul G.Wilson 20681  
**V** 20681 Australia - South Australia 20681
- R** *Maireana rohrlachii* (Paul G.Wilson) Paul G.Wilson 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- V** *Microcnemum coralloides* (Loscos & J.Pardo) Buen 8000, 20171  
**V** Spain 8000  
**E** Turkey 8001  
**E** former USSR 6930
- E** *Microcnemum coralloides* (Loscos et Parda) Font-Quer ssp. *anatolicum* Wagenitz 17781  
**E** 17781 Turkey 17781
- E** *Nitrophila mohavensis* Munz & Roos 20850  
**E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Nevada (Ash Meadows, Nye Co.) 20850
- R** *Oreobliton thesioides* Durieu & Moq.  
**R** Algeria  
**E** Tunisia
- V** *Petrosimonia nigdeensis* Aellen 12840  
**V** 12840 Turkey 12840
- R** *Proatriplex pleiantha* (W.A. Weber) Stuz & Chu 20850  
**E** 20850 U.S. - Colorado 20850  
**R** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Utah 20850
- V** *Rhagodia acicularis* Paul G.Wilson 20681  
**V** 20681 Australia - Western Australia 20681
- I** *Rhaphidophyton regelii* (Bunge) Iljin 5942  
**I** 5942 Kazakhstan 5942
- V** *Roycea pycnophylloides* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Salicornia borealis* Wolff & Jefferies 20850, 21309  
**I** 20850 Canada - Manitoba 20850
- V** *Salicornia emericii* Duval-Jouve var. *vicensis* (J. Duvigneaud) J. Duvigneaud 20528  
**V** 20528 France (Moselle) 20528
- R** *Salicornia senegalensis* A. Chev. 7926  
**R** Senegal 8003
- E** *Salicornia veneta* Pignatti & Lausi 17891, 20171  
**E** 18264 Italy (Veneto, Friuli-Venezia Giulia, Emilia-Romagna) 19997
- V** *Salsola anatolica* Aellen 12840  
**V** 12840 Turkey 12840
- R** *Salsola carpatha* P.H.Davis 20171  
**R** Greece
- E** *Salsola chiwensis* Popov 6930  
**E** Asiatic U.S.S.R. 6930
- I** *Salsola hispanica* Botsch. 20171  
**I** Spain
- R** *Salsola masclansii* D. Gomez & G. Monts. Marti  
**R** Spain
- V** *Salsola papillosa* (Coss.) Willk. 20171  
**V** Spain
- V** *Salsola prostrata* Pall. ssp. *anatolica* Aellen 12840  
**V** 12840 Turkey 12840
- R** *Salsola stenoptera* Wagenitz 12840  
**R** 12840 Turkey 12840
- I** *Salsola tamamschjanae* Iljin 5942  
**I** 5942 Armenia 5942
- V** *Sclerolaena blakei* (Ising) A.J.Scott 20681  
**V** 20681 Australia - Queensland 20681
- R** *Sclerolaena everistiana* (Ising) A.J.Scott 20681  
**R** 20681 Australia - Queensland 20681
- V** *Sclerolaena napiformis* Paul G.Wilson 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Sclerolaena walkeri* (C.White) A.J.Scott 20681  
**V** 20681 Australia - Queensland 20681
- R** *Suaeda arctica* Jurtzev & Petrosky 21309  
**R** 21309 Russia (E.Europe) - North 21309  
**E** former USSR 6930

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chenopodiaceae: *Suaeda*

- E** *Suaeda californica* S.Watson 20850  
**E** 20850 U.S. - California 20850
- E** *Suaeda cucullata* Aellen 12840  
**E** 14155 Turkey 12840
- V** *Suaeda esteroa* Ferren & Whitmore 20850  
**I** 20850 U.S. - California 20850
- R** *Suaeda malacosperma* Hara 10572  
**R** 10572 Japan 10572
- R** *Suaeda nesophila* I.M. Johnston 5595  
**R** 19534 Chile - Islas Desventurados 5595
- R** *Suaeda pelagica* Bartolo, Brullo & Pavone 18264, 20171  
**R** 18264 Italy - Sicily 18264
- V** *Suaeda pruinosa* Lange var. *kochii* (Guss. ex Todaro) Marie & Weiller 18264  
**V** 18264 Italy - Sicily 18264
- R** *Tegicornia uniflora* Paul G. Wilson 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Zuckia brandegei* Standl. var. *arizonica* (Standl.) Welsh 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850

**Chloranthaceae**

Number of genera: 5  
 Number of species: 75  
 Recorded threatened species: 20 (26%)

Tropical America, E Asia, Pacific.

- R** *Ascarina marquesensis* A.C. Smith 20845  
**R** 20845 French Polynesia - Marquesas Is 20845
- I** *Ascarina subfalcata* J. Moore 20845  
**I** 20845 French Polynesia - Society Is. (Raiatea) 20845
- V** *Hedyosmum burgerianum* D'Arcy & Liesner 20883, 11534  
**V** 19570 Panama 20883
- R** *Hedyosmum colombianum* Cuatrecasas 20883  
**I** 20883 Colombia 20883
- R** *Hedyosmum correanum* D'Arcy & Liesner 20883, 11534  
**V** 19570 Panama 20883
- R** *Hedyosmum costaricense* Wood 20883, 9037  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883
- V** *Hedyosmum domingense* var. *cubense* (Urban) Todzia & Wood 20883  
**I** 20883 Cuba 20883
- E** *Hedyosmum goudotianum* var. *mombachanum* Todzia 20883  
**I** 20883 Nicaragua 20883
- V** *Hedyosmum huascari* Macbride 20883, 11534  
**R** 18200 Peru 20883
- V** *Hedyosmum leonis* Kirouac 5607  
**V** 5607 Cuba 5607
- E** *Hedyosmum maximum* (O. Kuntze) K. Schumann 20883, 11534  
**R** 11534 Bolivia 20883  
**I** 20883 Peru 20883
- V** *Hedyosmum neblinae* Todzia 20883, 11534  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883

- R** *Hedyosmum parvifolium* Cordemoy 20883  
**I** 20883 Colombia 20883  
**I** 20883 Venezuela 20883
- R** *Hedyosmum peruvianum* Todzia 20883  
**I** 20883 Peru 20883
- R** *Hedyosmum pseudoandromeda* Solms-Laubach 20883  
**I** 20883 Venezuela 20883
- V** *Hedyosmum pungens* Todzia 20883, 11534  
**V** 11534 Colombia 20883
- E** *Hedyosmum purpurascens* Todzia 20883, 11534  
**R** 19570 Ecuador 20883
- E** *Hedyosmum steinii* Todzia 20883, 11534  
**R** 11534 Colombia 20883
- R** *Hedyosmum strigosum* Todzia 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- V** *Hedyosmum subintegrum* Urban 20883, 5607  
**V** 19105 Cuba (Holguin, Guantanamo) 20883

**Chrysobalanaceae**

Number of genera: 17  
 Number of species: 450  
 Recorded threatened species: 225 (50%)

Pantropical, especially New World.

- I** *Acioa cinerea* Engl. ex De Wild.  
**I** Cameroon (Bipindi)
- E** *Acioa dichotoma* De Wild. 7926  
**E** 20749 Nigeria (Eket) 7926
- E** *Acioa eketensis* De Wild. 7926  
**E** 20749 Nigeria (Eket) 7926
- R** *Acioa laevis* Pierre ex De Wild.  
**R** Gabon (Libreville)
- R** *Acioa pierrei* De Wild. 7927  
**R** Gabon (Libreville & Tchibanga) 7927
- R** *Acioa schultesii* Maguire 20883  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883
- V** *Acioa somnolens* Maguire 20883, 11589  
**R** 19954 French Guiana 20883
- I** *Atuna travancorica* (Bedd.) Kosterm. 13883  
**I** 13883 India - Tamil Nadu (Travancore) 18341
- R** *Chrysobalanus stuhlmanni* Dammer 7959  
**R** 5926 Tanzania (Dodoma) 7959
- V** *Chrysobalanus venezuelanus* Prance 20883, 11589  
**R** 11589 Venezuela 20883
- R** *Couepia amaralae* Prance 20883  
**I** 20883 Brazil 20883
- R** *Couepia belemii* Prance 20883  
**I** 20883 Brazil 20883
- E** *Couepia bondarii* Prance 20883, 11589  
**I** 20883 Brazil 20883
- R** *Couepia canescens* (Gleason) Prance 20883  
**I** 20883 Venezuela 20883
- E** *Couepia carautae* Prance 20883, 11589  
**I** 20883 Brazil 20883
- E** *Couepia caryophylloides* ssp. *glabra* Prance 20883  
**I** 20883 Brazil 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chrysobalanaceae: *Couepia*

- R** *Couepia cidiana* Prance 20883  
I 20883 Brazil 20883
- V** *Couepia coarctata* Prance 20883  
I 20883 Brazil 20883
- V** *Couepia cognata* var. *major* Prance 20883  
I 20883 Guyana 20883
- V** *Couepia cognata* var. *membranacea*  
Prance 20883  
I 20883 Guyana 20883
- R** *Couepia comosa* Bentham 20883, 8679  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- E** *Couepia exflexa* Fanshawe & Maguire 20883  
I 20883 Guyana 20883
- R** *Couepia foveolata* Prance 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- R** *Couepia froesii* Prance 20883, 11589  
I 20883 Brazil 20883
- V** *Couepia glabra* Prance 20883, 11589  
I 20883 Brazil 20883
- R** *Couepia impressa* ssp. *cabraliae*  
Prance 20883  
I 20883 Brazil 20883
- V** *Couepia insignis* Fritsch 20883  
I 20883 Brazil 20883
- R** *Couepia krukovii* Standley 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883
- E** *Couepia longipetiolata* Prance 20883, 11589  
I 20883 Brazil 20883
- R** *Couepia magnoliifolia* Bentham ex Hooker f. 20883  
I 20883 Brazil 20883
- R** *Couepia maguirei* Prance 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- R** *Couepia marleneae* Prance 20883  
I 20883 Brazil 20883
- E** *Couepia martinii* Prance 20883, 11589  
I 11589 French Guiana 20883
- E** *Couepia meridionalis* Prance 20883  
I 20883 Brazil 20883
- E** *Couepia monteclarensis* Prance 20883  
I 20883 Brazil 20883
- R** *Couepia multiflora* Bentham 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883
- E** *Couepia nutans* Prance 20883, 11589  
E 11589 Colombia 20883
- R** *Couepia paraensis* var. *cerradoana*  
Prance 20883  
I 20883 Brazil 20883
- E** *Couepia parvifolia* Prance 20883, 11589  
I 20883 Brazil 20883
- V** *Couepia pernambucensis* Prance 20883  
I 20883 Brazil 20883
- V** *Couepia platycalyx* Cuatrecasas 20883, 11589  
E 9518 Colombia 20883  
E 9518 Venezuela 20883
- E** *Couepia recurva* Spruce ex Prance 20883, 9518  
E 11589 Ecuador 20883
- E** *Couepia reflexa* Ducke 20883  
I 20883 Brazil 20883
- R** *Couepia sandwithii* Prance 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- R** *Couepia schottii* Fritsch 20883, 17079  
I 20883 Brazil 20883  
V 1746 Brazil - Bahia 17079  
V 17746 Brazil - Espirito Santo 17746  
V 17746 Brazil - Rio de Janeiro 17079
- E** *Couepia scottmorii* Prance 20883, 11589  
E 9518 Panama 20883
- V** *Couepia steyermarkii* Maguire 20883, 11589  
R 11589 Venezuela 20883
- V** *Couepia stipularis* Ducke 20883, 11589  
I 20883 Brazil 20883
- R** *Couepia venosa* Prance 20883  
I 20883 Brazil 20883
- V** *Dactyladenia dinklagei* (Engl.) Prance & F.White 20274  
V 20858 Tropical Africa (Upper Guinea) 20274  
V 20858 Ghana 20274
- E** *Dactyladenia hirsuta* (A.Chev.) Prance & F.White 20274  
E 20887 Côte d'Ivoire 20274  
E 20858 Ghana 20274
- E** *Exelodendron gracile* (Hooker f.) Prance 20883, 11589  
I 20883 Brazil 20883
- R** *Hirtella adderleyi* Prance 20883  
I 20883 Venezuela 20883
- V** *Hirtella adenophora* Cuatrecasas 20883, 11589  
R 11589 Colombia 20883
- R** *Hirtella angustissima* Sandwith 20883  
I 20883 Guyana 20883
- R** *Hirtella araguariensis* Prance 20883  
I 20883 Brazil 20883
- E** *Hirtella aramangensis* Prance 20883, 9518  
E 11589 Brazil 11589
- R** *Hirtella arenosa* Prance 20883  
I 20883 Brazil 20883
- R** *Hirtella bahiensis* Prance 20883  
I 20883 Brazil 20883
- E** *Hirtella barnebyi* Prance 20883  
I 20883 Brazil 20883
- E** *Hirtella barrosoi* Prance 20883  
I 20883 Brazil 20883
- R** *Hirtella caduca* Fanshawe & Maguire 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- E** *Hirtella conduplicata* Prance 20883  
I 20883 Brazil 20883
- E** *Hirtella confertiflora* Prance 20883, 11589  
R 11589 Venezuela 20883
- V** *Hirtella cordifolia* Prance 20883, 11589  
R 11589 Venezuela 20883
- V** *Hirtella corymbosa* Chamisso & Schlechtendal 20883, 11589

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chrysobalanaceae: *Hirtella*

- I 20883 Brazil 20883
- R** *Hirtella couepiiflora* Prance 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883
- R** *Hirtella cowanii* Prance & Maguire 20883  
I 20883 Venezuela 20883
- R** *Hirtella deflexa* Maguire 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- R** *Hirtella dorvalii* Prance 20883  
I 20883 Brazil 20883
- E** *Hirtella enneandra* Cuatrecasas 20883, 11589  
R 11589 Colombia 20883
- R** *Hirtella fasciculata* Prance 20883  
I 20883 Brazil 20883
- V** *Hirtella floribunda* Chamisso & Schlechtendal 20883  
I 20883 Brazil 20883
- V** *Hirtella glaziovii* Taubert 20883  
I 20883 Brazil 20883
- R** *Hirtella guyanensis* (Fritsch) Sandwith 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- R** *Hirtella insignis* Briquet ex Prance 20883, 17079  
I 20883 Brazil 20883  
E 17746 Brazil - Bahia 17079
- V** *Hirtella juruensis* Pilger 20883, 11589  
I 20883 Brazil 20883
- R** *Hirtella kuhlmannii* Pilger 20883, 11589  
I 20883 Brazil 20883
- R** *Hirtella latifolia* Prance 20883, 9518  
I 20883 Panama 20883
- R** *Hirtella lemsii* L. O. Williams & Prance 20883, 9518  
I 20883 Costa Rica 20883
- E** *Hirtella liesneri* Prance 20883  
I 20883 Venezuela 20883
- E** *Hirtella longifolia* Benthham ex Hooker f. 20883, 11589  
I 20883 Brazil 20883
- R** *Hirtella magnifolia* Prance 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Hirtella margae* Prance 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- V** *Hirtella orbicularis* Prance 20883  
I 20883 Venezuela 20883
- V** *Hirtella parviunguis* Prance 20883, 17079  
I 20883 Brazil 20883  
E 17746 Brazil - Bahia 17746  
E 17079 Brazil - Espirito Santo 17079
- V** *Hirtella pauciflora* Little 20883  
I 20883 Ecuador 20883
- R** *Hirtella pimichina* Lasser & Maguire 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- V** *Hirtella racemosa* Lamark var. *glandipedicellata*  
Prance 20883  
I 20883 Colombia 20883
- V** *Hirtella racemosa* Lamark var. *hispid*
- Prance 20883
- I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Hirtella radamii* Prance 20883  
I 20883 Brazil 20883
- R** *Hirtella rasa* Standley 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Hirtella revillae* Prance 20883  
I 20883 Peru 20883
- R** *Hirtella rugosa* Thuill. ex Pers. 20883  
I 20883 Puerto Rico 20883
- E** *Hirtella santosii* Prance 20883, 11589  
I 20883 Brazil 20883  
E 17746 Brazil - Bahia 17746
- E** *Hirtella scaberula* Spruce ex Hooker f. 20883, 11589  
I 20883 Brazil 20883
- R** *Hirtella standleyi* Baehni & Macbride 20883  
I 20883 Peru 20883
- E** *Hirtella subglanduligera* Pilgar 20883, 9518  
E 11589 Peru 20883
- R** *Hirtella subscandens* Spruce ex Hooker f. 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Hirtella vesiculosa* Suessenguth 20883, 11589  
R 11589 Colombia 20883
- E** *Hunga cordata* Prance 20893  
E 20893 New Caledonia 20893
- V** *Hunga gerontogea* (Schltr.) Prance 20893  
V 20893 New Caledonia 20893
- V** *Hunga guillauminii* Prance 20893  
V 20893 New Caledonia 20893
- V** *Hunga mackeeana* Prance 20893  
V 20893 New Caledonia 20893
- R** *Licania albiflora* Fanshawe & Maguire 20883, 11589  
R 11589 French Guiana 20883  
R 11589 Guyana 20883  
R 11589 Suriname 20883
- R** *Licania amapaensis* Prance 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- V** *Licania angustata* Prance 20883, 11589  
I 20883 Brazil 20883  
R 9518 Peru 20883
- E** *Licania annea* Prance 20883, 11589  
I 20883 Brazil 20883
- V** *Licania apiculata* Prance 20883, 11589  
I 20883 Brazil 20883
- E** *Licania aracaensis* Prance 20883, 17746  
I 20883 Brazil 20883  
R 17746 Brazil - Amazonas 17746
- R** *Licania arachnoidea* Fanshawe & Maguire 20883, 11589  
I 20883 Brazil 20883  
R 11589 French Guiana 11589  
R 11589 Guyana 20883  
R 11589 Peru 20883  
R 11589 Suriname 11589
- V** *Licania araneosa* Taubert 20883, 11589  
I 20883 Brazil 20883
- E** *Licania arianeae* Prance 20883, 11589  
I 20883 Brazil 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chrysobalanaceae: *Licania*

- E** *Licania bahiensis* Prance 20883, 11589  
I 20883 Brazil 20883
- R** *Licania belemii* Prance 20883  
I 20883 Brazil 20883
- E** *Licania bellingtonii* Prance 20883, 17746  
I 20883 Brazil 20883  
E 17746 Brazil - Rondonia 17746
- E** *Licania boliviensis* Prance 20883, 11589  
R 11589 Bolivia 20883
- R** *Licania boyanii* Tutin 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- V** *Licania buxifolia* Sandwith 20883  
I 20883 Guyana 20883
- E** *Licania cabreræ* Prance 20883, 11589  
R 11589 Colombia 20883
- E** *Licania caldasiana* Cuatrecasas 20883, 9518  
R 11589 Colombia 20883
- V** *Licania calvescens* Cuatrecasas 20883, 9518  
I 20883 Colombia 20883
- V** *Licania cecidiophora* Prance 20883  
I 20883 Peru 20883
- V** *Licania chiriquiensis* Prance 20883, 9518  
R 9518 Panama 20883
- R** *Licania chochoensis* Cuatrecasas 20883, 9518  
I 20883 Colombia 20883
- E** *Licania compacta* Fritsch 20883, 11589  
R 11589 Guyana 20883
- R** *Licania cordata* Prance 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Licania costaricensis* Standley & Steyermark 20883, 9518  
R 9518 Costa Rica 20883
- V** *Licania couepiifolia* Prance 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- V** *Licania crassivenia* Spruce ex Hooker f. 20883, 11589  
I 20883 Brazil 20883  
R 9518 Venezuela 20883
- V** *Licania cuatrecasasii* Prance 20883  
I 20883 Colombia 20883
- R** *Licania cuprea* Sandwith 20883, 8679  
I 20883 Guyana 20883
- E** *Licania cuspidata* (Rusby) Prance 20883, 9518  
R 11589 Colombia 20883  
R 9518 Venezuela 9518
- R** *Licania cyathodes* R. Benoist 20883  
I 20883 French Guiana 20883
- R** *Licania cymosa* Fritsch 20883  
I 20883 Brazil 20883
- E** *Licania dodsonii* Prance 20883, 11589  
E 11589 Ecuador 20883
- R** *Licania durifolia* Cuatrecasas 20883, 11351  
I 20883 Colombia 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- E** *Licania fasciculata* Prance 20883, 10747  
I 20883 Panama 20883
- E** *Licania filomenoi* Prance 20883, 11589  
R 11589 Peru 20883
- R** *Licania foldatsii* Prance 20883  
I 20883 Venezuela 20883
- V** *Licania foveolata* Prance 20883, 11589  
R 11589 Guyana 20883
- R** *Licania frutschii* Prance 20883, 11589  
I 20883 Brazil 20883  
R 11589 Peru 11589
- E** *Licania fuchsii* Prance 20883, 9518  
R 11589 Colombia 20883
- E** *Licania furfuracea* Prance 20883, 11589  
R 11589 Venezuela 20883
- E** *Licania gentryi* Prance 20883, 9518  
R 11589 Colombia 20883
- R** *Licania glauca* Cuatrecasas 20883, 9518  
I 20883 Colombia 20883
- E** *Licania glazioviana* Warming 20883, 11589  
I 20883 Brazil 20883
- V** *Licania gonzalezii* Miranda 20883, 9518  
I 20883 Mexico 20883
- V** *Licania grandibracteata* Prance 20883  
I 20883 Ecuador 20883
- E** *Licania guatemalensis* Lundell 20883, 10299  
R 9518 Guatemala 20883
- R** *Licania heteromorpha* Benth var. *perplexans*  
Sandwith 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- E** *Licania heteromorpha* Benth var. *revoluta*  
Prance 20883  
I 20883 Brazil 20883
- R** *Licania heteromorpha* Benth var. *subcordata*  
Fritsch 20883  
I 20883 Brazil 20883
- E** *Licania hispida* Prance 20883, 11589  
R 11589 Venezuela 20883
- E** *Licania hitchcockii* Maguire 20883, 11589  
R 11589 Venezuela 20883
- V** *Licania hypoleuca* Prance var. *foveolata*  
Prance 20883, 11589  
I 20883 Brazil 20883
- V** *Licania indurata* Pilger 20883, 11589  
I 20883 Brazil 20883  
E 17079 Brazil - Sao Paulo 11589
- R** *Licania irwinii* Prance 20883, 8679  
I 20883 French Guiana 20883  
I 20883 Suriname 20883  
I 20883 Venezuela 20883
- R** *Licania jefensis* Prance 20883, 10747  
I 20883 Panama 20883
- R** *Licania jimenezii* Prance 20883, 8679  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- E** *Licania joseraamosii* Prance 20883, 11589  
I 20883 Brazil 20883
- V** *Licania kallunkiae* Prance 20883, 11589  
R 9518 Costa Rica 20883  
R 9518 Panama 20883
- V** *Licania klugii* Prance 20883, 9518  
R 11589 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chrysobalanaceae: *Licania*

- R** *Licania laevigata* Prance 20883, 11589  
**I** 20883 Brazil 20883  
**R** 11589 Suriname 20883
- E** *Licania lamentanda* Prance 20883, 11589  
**I** 20883 Brazil 20883
- R** *Licania latistipula* Prance 20883  
**I** 20883 French Guiana 20883  
**I** 20883 Venezuela 20883
- E** *Licania littoralis* Kuhlmann var. *cuneata*  
 Kuhlmann 20883, 11589  
**I** 20883 Brazil 20883
- V** *Licania longipedicellata* Ducke 20883, 11589  
**I** 20883 Brazil 20883  
**R** 9518 Peru 20883
- V** *Licania maguirei* Prance 20883, 11589  
**I** 20883 Brazil 20883
- E** *Licania maranhensis* Prance 20883, 11589  
**I** 20883 Brazil 20883
- V** *Licania maritima* Prance 20883, 9518  
**I** 20883 Colombia 20883
- E** *Licania marleneae* Prance 20883, 11589  
**I** 20883 Brazil 20883
- V** *Licania maxima* Prance 20883, 11589  
**I** 20883 Brazil 20883  
**I** 20883 French Guiana 20883
- E** *Licania mexicana* Lundell 20883, 10299  
**I** 20883 Mexico 20883  
**R** 11589 Mexico - Sinaloa 10299
- E** *Licania microphylla* Fanshawe & Maguire 20883, 11589  
**R** 11589 Guyana 20883
- E** *Licania miltonii* Prance 20883  
**I** 20883 Brazil 20883
- E** *Licania minuscula* Cuatrecasas 20883, 11589  
**R** 11589 Colombia 20883
- E** *Licania montana* Prance 20883, 11589  
**R** 11589 Venezuela 20883
- E** *Licania morii* Prance 20883, 10747  
**R** 9518 Panama 20883
- V** *Licania naviculistipula* Prance 20883, 11589  
**I** 20883 Brazil 20883
- E** *Licania nelsonii* Prance 20883  
**I** 20883 Brazil 20883
- E** *Licania niloi* Prance 20883, 11589  
**I** 20883 Brazil 20883
- E** *Licania obtusifolia* Fritsch 20883, 11589  
**R** 11589 French Guiana 20883
- V** *Licania occultans* Prance 20883  
**I** 20883 Brazil 20883
- R** *Licania operculipetala* Standley & L. O.  
 Williams 20883, 9518  
**R** 20883 Costa Rica 20883
- R** *Licania orbicularis* Spruce ex Hooker f. 20883  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883
- R** *Licania ovalifolia* Kleinhoonte 20883, 8679  
**I** 20883 Brazil 20883  
**I** 20883 French Guiana 20883  
**I** 20883 Suriname 20883
- E** *Licania pakaraimensis* Prance 20883  
**I** 20883 Venezuela 20883
- R** *Licania paraensis* Prance 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Brazil 20883
- R** *Licania persaudii* Fanshawe & Maguire 20883, 20513  
**I** 20883 Guyana 20883
- R** *Licania piresii* Prance 20883, 9518  
**I** 20883 Brazil 20883  
**R** 9518 Guyana 20883
- R** *Licania pruinosa* Benoist 20883  
**I** 20883 Brazil 20883  
**I** 20883 French Guiana 20883
- E** *Licania retifolia* Blake 20883, 9518  
**I** 20883 El Salvador 20883  
**E** 11589 Mexico 20883
- E** *Licania riedelii* Prance 20883, 11589  
**I** 20883 Brazil 20883
- R** *Licania robusta* Sagot 20883  
**I** 20883 Brazil 20883  
**I** 20883 French Guiana 20883  
**I** 20883 Suriname 20883
- E** *Licania roraimensis* Standley 20883, 11589  
**R** 11589 Guyana 20883
- R** *Licania rufescens* Klotzsch ex Fritsch 20883  
**I** 20883 Brazil 20883  
**I** 20883 Guyana 20883  
**I** 20883 Suriname 20883  
**I** 20883 Venezuela 20883
- E** *Licania salicifolia* Cuatrecasas 20883, 9518  
**R** 11589 Colombia 20883
- R** *Licania salzmanii* (Hooker f.) Fritsch 20883  
**I** 20883 Brazil 20883
- E** *Licania sandwithii* Prance 20883, 11589  
**R** 11589 Guyana 20883  
**R** 9518 Venezuela 9518
- E** *Licania santosii* Prance 20883  
**I** 20883 Brazil 20883
- E** *Licania silvatica* Glaziou ex Prance 20883, 11589  
**I** 20883 Brazil 20883
- V** *Licania spicata* Hooker f. 20883  
**I** 20883 Brazil 20883
- R** *Licania stewardii* Prance 20883  
**I** 20883 Brazil 20883
- E** *Licania stricta* Kleinhoonte 20883, 11589  
**R** 11589 Suriname 20883
- R** *Licania subarachnophylla* Cuatrecasas 20883, 11589  
**R** 9518 Colombia 20883  
**R** 9518 Venezuela 20883
- R** *Licania subtrundata* Maguire 20883  
**I** 20883 Venezuela 20883
- E** *Licania tachirensis* Prance 20883, 11589  
**R** 11589 Venezuela 20883
- E** *Licania tambopatensis* Prance 20883, 11589  
**R** 11589 Peru 20883
- E** *Licania teixeirae* Prance 20883, 11589  
**I** 20883 Brazil 20883
- E** *Licania tepuiensis* Prance 20883, 11589  
**R** 11589 Venezuela 20883
- R** *Licania tocantina* Prance 20883  
**I** 20883 Brazil 20883
- E** *Licania trigonioides* Macbride 20883, 9518  
**E** 11589 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Chrysobalanaceae: *Licania*

- R** *Licania turbinata* Bentham 20883  
**I** 20883 Brazil 20883
- V** *Licania velata* Cuatrecasas 20883, 9518  
**I** 20883 Colombia 20883
- R** *Licania veneralis* Cuatrecasas 20883, 9518  
**I** 20883 Colombia 20883
- V** *Magnistipula butayei* De Wild. var. *sargosii* (Pellegrin) F.White 20274  
**V** 20858 Ghana 7926
- R** *Maranthes panamensis* (Standl.) Prance & White 20883  
**V** 20883 Costa Rica 20883  
**I** 20883 Nicaragua 20883  
**V** 20883 Panama 20883
- V** *Parinari alvimii* Prance 20883  
**I** 20883 Brazil 20883
- V** *Parinari brasiliensis* (Schott) Hooker f. 20883, 11589  
**I** 20883 Brazil 20883  
**E** 17746 Brazil - Minas Gerais 17079  
**E** 17746 Brazil - Rio de Janeiro 17079
- R** *Parinari cardiophylla* Ducke 20883, 11589  
**I** 20883 Brazil 20883
- V** *Parinari chocoensis* Prance 20883, 9518  
**I** 20883 Colombia 20883
- I** *Parinari euadenia* Kosterm 19120  
**I** 19120 Thailand 19120
- I** *Parinari indicum* Beddome  
**I** India - Tamil Nadu (Nilgiri Hills)
- V** *Parinari littoralis* Prance 20883  
**I** 20883 Brazil 20883
- R** *Parinari maguirei* Prance 20883  
**I** 20883 Guyana 20883  
**I** 20883 Venezuela 20883
- R** *Parinari parvifolia* Sandwith 20883  
**I** 20883 Brazil 20883  
**I** 20883 Guyana 20883
- R** *Parinari romeroi* Prance 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- I** *Parinari travancoricum* Beddome  
**I** India - Kerala (Travancore)  
**I** India - Tamil Nadu (Tirunelveli District)

**Cistaceae**

Number of genera: 8  
 Number of species: 200  
 Recorded threatened species: 43 (21%)

Mostly in temperate and warm temperate.

- R** *Cistus albanicus* E.F.Warb. ex Heywood 20178, 20171  
**R** 20178 Albania 20178  
**R** Greece
- E** *Cistus heterophyllus* Desf. ssp. *carthaginensis* (Pau) M.B.Crespo & Mateo 20648  
**E** 20692 Spain 20692
- V** *Cistus osbeckiaefolius* Webb ex Christ 10260  
**V** 20750 Spain - Canary Is. 14155
- V** *Cistus palhinhae* Ingram 8000, 20171  
**V** 20076 Portugal (south-west) 8000
- R** *Fumana paradoxa* Heywood 20171  
**R** Spain

- R** *Fumana trisperma* Huber-Mor. & Reese 12840  
**R** 20618 Turkey 20618
- E** *Halimium verticillatum* (Brot.) Sennen 8000, 20171  
**E** 20076 Portugal 8000
- V** *Helianthemum alypoides* Losa & Rivas Goday 17891  
**V** 11496 Spain (Almeria) 17891
- R** *Helianthemum antitauricum* Davis et Coode 19873  
**R** 20618 Turkey 20618
- I** *Helianthemum arcticum* (Grosser) Janchen 5942, 20171  
**I** 5942 Russia (E.Europe) - North (north - Kolskiy) 5942
- R** *Helianthemum arenicola* Chapman 20850  
**E** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Mississippi 20850
- E** *Helianthemum bramwelliorum* Marrero 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Helianthemum broussonetii* Dunal ex DC. 20750  
**R** 20750 Spain - Canary Is. 20750
- E** *Helianthemum bystropogophyllum* Svent. 14166  
**E** 15105 Spain - Canary Is. 17891
- E** *Helianthemum cirae* Santos 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Helianthemum cyrenaicum* (Grosser) Brullo & Furnari  
**R** Libya
- R** *Helianthemum dumosum* (Bickn.) Fern. 20850  
**Ex/E** 20850 U.S. - Connecticut 20850  
**R** 20850 U.S. - Massachusetts 20850  
**V** 20850 U.S. - New York 20850  
**E** 20850 U.S. - Rhode Is. 20850
- R** *Helianthemum eriocephalum* Pomel 10488  
**R** 14958 Algeria 10488
- R** *Helianthemum geniorum* Maire 10488  
**R** 14958 Algeria 10488
- E** *Helianthemum gonzalezferrari* Marrero 20750  
**E** 20750 Spain - Canary Is. 20750
- V** *Helianthemum greenei* B.L. Robins. 20850  
**V** 20850 U.S. - California 20850
- I** *Helianthemum grosii* Pau & Font Quer  
**I** Morocco
- E** *Helianthemum inaguae* Marrero, G.Martin & G.Artilles 20750  
**E** 20750 Spain - Canary Is. 20750
- E** *Helianthemum juliae* Wildpret 17530  
**E** 19174 Spain - Canary Is. 19174
- E** *Helianthemum lini* Santos 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Helianthemum maritimum* Pomel 10488  
**R** 14958 Algeria 10488
- V** *Helianthemum nashii* Britt. 20850  
**I** 20850 U.S. - Florida 20850
- V** *Helianthemum origanifolium* (Lam.) Pers. ssp. *serrae* (Camb.) Guinea & Heywood 20171  
**V** Spain - Balearic Is.
- R** *Helianthemum pannosum* Boiss. 11496, 20171  
**R** 11496 Spain 11496
- I** *Helianthemum salicifolium* (L.) Miller var. *glabrum* Meikle 14230  
**I** 19164 Cyprus 14230
- I** *Helianthemum schweinfurthii* Grosser 10270



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cistaceae: *Helianthemum*

- I 16168 Egypt (Gebel El Shallufa) 16168
- R** *Helianthemum soongoricum* Schrenk 17617  
 R 17617 China - Gansu (Mingle) 11139  
 R 17617 China - Nei Monggol Zizhiqu (Xierdoeshi) 11139  
 R 17617 China - Xinjiang Uygur Zizhiqu (Yining; Gongliou; Gongnais) 11139
- E** *Helianthemum teneriffae* Coss. 15105  
 E 20750 Spain - Canary Is. 15105
- R** *Helianthemum tholiforme* D. Bramwell & al. 15105  
 R 20750 Spain - Canary Is. 15105
- V** *Helianthemum thymiphyllum* Svent. 15105  
 V 15105 Spain - Canary Is. 15105
- E** *Hudsonia montana* Nutt. 20850  
 E 20850 U.S. - North Carolina 20850
- R** *Lechea cernua* Small 20850  
 R 20850 U.S. - Florida 20850
- V** *Lechea divaricata* Shuttlw. ex Britt. 20850  
 I 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Florida 20850
- E** *Lechea intermedia* Leggett ex Britt. var. *depauperata* Hodgdon 20850, 2063  
 I 20850 Canada - Manitoba 20850  
 E 20850 Canada - Saskatchewan 20850
- E** *Lechea lakelae* Wilbur 20850  
 E 20850 U.S. - Florida 20850
- E** *Lechea maritima* Leggett var. *subcylindrica* Hodgdon 20850, 14393  
 E 20850 Canada - New Brunswick 20850  
 E 20850 Canada - Prince Edward Is. 20850
- R** *Lechea maritima* Leggett var. *virginica* Hodgdon 20850  
 I 20850 U.S. - Delaware 20850  
 I 20850 U.S. - Maryland 20850  
 E 20850 U.S. - North Carolina 20850  
 R 20850 U.S. - Virginia 20850
- E** *Lechea mensalis* Hodgdon 20883, 20850, 8058  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- E** *Tuberaria major* (Willk.) P.Silva & Rozeira 8000, 20171  
 E 20076 Portugal (south) 8000

**Clethraceae**

- Number of genera: 1  
 Number of species: 65  
 Recorded threatened species: 4 (6%)
- Tropical America; southeastern United States; Southeast Asia; East Indies.
- R** *Clethra alexandri* Griseb. 20883  
 R 20883 Jamaica 20883
- V** *Clethra nicaraguensis* C. Hamilton 10353  
 V 11967 Nicaragua 10353
- I** *Clethra pulgarensis* Elm. 13833  
 I 13833 Philippines (Mt. Pulgar) 13833
- R** *Clethra tonkinensis* Dop 6057  
 R Vietnam 6057

**Cochlospermaceae**

- Number of genera: 15  
 Number of species: 2  
 Recorded threatened species: 2 (13%)
- Tropical, often in drier regions.

- V** *Amoreuxia gonzalezii* Sprague & Riley 20883, 20850  
 E 20850 U.S. - Arizona 20850  
 20883 Mexico 20883
- R** *Cochlospermum tetraporum* Hallier 20883, 16336  
 E 16336 Argentina 20883  
 E 20176 Argentina - Jujuy 20176  
 E 20176 Argentina - Salta 20176  
 I 20883 Bolivia 20883

**Columelliaceae**

- Number of genera: 1  
 Number of species: 4  
 Recorded threatened species: 1 (25%)
- Colombia to Bolivia.

- V** *Columellia obovata* Ruiz Lopez & Pavon 18200  
 V 12468 Peru 18200

**Combretaceae**

- Number of genera: 20  
 Number of species: 400  
 Recorded threatened species: 73 (18%)
- Tropical and subtropical, especially Africa.

- I** *Anogeissus sericea* Brandis var. *nummularia* King ex Duthie 7771  
 I India - Gujarat 7771  
 I India - Punjab 7771  
 I India - Rajasthan (west) 7771
- R** *Buchenavia amazonia* A.R.A. Alwan Al-Mayah & C.A. Stace 10260  
 R 11543 Brazil 11543  
 R 11543 Colombia 11543  
 R 11543 Peru 11543
- R** *Buchenavia congesta* Ducke 11543  
 R 11543 Brazil 11543  
 R 11543 Colombia 11543
- R** *Buchenavia fanshawei* Exell & Maguire 8679  
 R 11543 Brazil 11543  
 R 11543 Guyana 8679
- R** *Buchenavia guianensis* (Aublet) Alwan & Stace  
 R 11543 Brazil 11543  
 R 11543 French Guiana 11543
- R** *Buchenavia hoehneana* N. Mattos 11543  
 R 11543 Brazil 11543
- R** *Buchenavia megalophylla* Van Heurck & Mueller 11543  
 R 11543 Brazil 11543  
 R 11543 Guyana 11543
- R** *Buchenavia nitidissima* (Rich.) Alwan & Stace 11543  
 R 11543 French Guiana 11543
- R** *Buchenavia ochroprunna* Eichler 11543  
 R 11543 Brazil 11543
- R** *Buchenavia pallidovirens* Cuatrec. 18200  
 R 11543 Brazil 11543  
 R 11543 Colombia 11543  
 R 11543 Peru 11543
- R** *Buchenavia pulcherrima* Exell & Stace 11543

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Combretaceae: *Buchenavia*

- R 11543 Guyana 11543
- R *Buchenavia sericocarpa* Ducke 11543  
R 11543 Brazil 11543  
R 11543 Colombia 11543  
I 18200 Peru 11543
- R *Buchenavia suaveolens* Eichler 11543  
R 11543 Brazil 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543
- R *Buchenavia tomentosa* Eichler 11543  
R 11543 Brazil 11543
- R *Bucida macrostachya* Standley 9004  
R 11543 Belize 11543  
R 11543 Guatemala 11543  
R 11543 Mexico 11543  
R 11543 Nicaragua 11543
- R *Bucida molineti* (M. Gomez) Alwan 11543  
R 11543 Belize 11543  
R 11543 Guatemala 11543
- I *Combretum batesii* Exell  
I Cameroon (Cameroon mt)
- R *Combretum brevistylum* Eichler 11543  
R 11543 Brazil 11543  
R 11543 Venezuela 11543
- R *Combretum caudatisepalum* Exell & Garcia 7749  
R Mozambique 7749
- R *Combretum chionanthoides* Engl. & Diels 20057  
R 19109 Kenya 19109
- R *Combretum discolor* Taub 11543  
R 11543 Brazil 11543  
R 11543 Paraguay 11543
- R *Combretum frangulifolium* Kunth 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543
- R *Combretum hilarianum* D. Dietr. 11543  
R 11543 Brazil 11543
- R *Combretum labiocarpum* Engl. & Diels 7749  
R Mozambique 7749
- E *Combretum laxum* (Pitt.) Croat var. *epiphyticum*  
(Pittier) Croat 20883, 10747  
I 20883 Panama 20883
- R *Combretum llewelynii* J.F. Macbr. 18200  
R 11543 Brazil 11543  
R 11543 Ecuador 11543  
R 11543 Peru 11543
- R *Combretum mkuzense* Carr & Retief 20604  
R 20604 South Africa - Natal 20604
- R *Combretum monetaria* Martius 11543  
R 11543 Brazil 11543
- R *Combretum petrophilum* Retief 20604, 17458  
R 20604 South Africa - Transvaal 20604
- R *Combretum pisonioides* Taub 11543  
R 11543 Brazil 11543
- R *Combretum rohrii* Exell  
R 11543 Brazil 11543  
R 11543 French Guiana 11543
- R *Combretum rupicola* Ridley 11543  
R 11543 Brazil 11543
- R *Combretum sprucei* Eichler 11543  
R 11543 Venezuela 11543
- R *Combretum stocksii* Sprague 7749
- R Mozambique 7749
- V *Combretum tanaense* Jessie J. Clark 6073  
V 19109 Kenya 7959
- E *Combretum tenuipetiolatum* Wickens 20057  
E 20057 Kenya (coastal) 19109  
E 20057 Tanzania (Tanga) 20057
- I *Combretum trochainii* Berhaut 8003  
I Senegal 8003
- R *Combretum ulei* Exell 11543  
R 11543 Brazil 11543
- R *Combretum vernicosum* Rusby 11543  
R 11543 Bolivia 11543  
R 11543 Brazil 11543
- R *Dansiea elliptica* Byrnes 20681  
R 20681 Australia - Queensland 20681
- R *Dansiea grandiflora* Pedley 20681  
R 20681 Australia - Queensland 20681
- R *Macropteranthes fitzalanii* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- R *Macropteranthes leiocaulis* P.I.Forster 20681  
R 20681 Australia - Queensland 20681
- V *Macropteranthes montana* (F.Muell.) F.Muell. 20681  
V 20681 Australia - Queensland 20681
- R *Pteleopsis barbosa* Exell 7749  
R Mozambique 7749
- E *Pteleopsis habeensis* Aubrev. ex Keay 11751  
E 20858 Ghana 15970  
E 20858 Mali (Bandiagara) 11751  
E 20858 Nigeria (Yankari game reserve) 20274
- R *Pteleopsis tetraptera* Wickens 10583  
R 19109 Kenya (Mombasa, Kilifi) 19508  
R 20057 Tanzania (Tanga) 19508
- R *Ramatuela argentea* Kunth 11543  
R 11543 Brazil 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543
- R *Ramatuela crispialata* Ducke 11543  
R 11543 Brazil 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543
- R *Ramatuela virens* Spruce ex Eichler 11543  
R 11543 Brazil 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543
- V *Terminalia arbuscula* Sw. 20883, 13336  
V 13336 Jamaica 20883
- R *Terminalia bentzoë* (L.) L. f. ssp. *bentzoë* 10082  
R Réunion 10082  
R 20771 Mauritius 10082
- V *Terminalia bentzoë* (L.) L.f. ssp. *rodriguesensis*  
Wickens 10082  
V 5852 Mauritius - Rodrigues 5852
- R *Terminalia capitanea* A.C. Smith 19427  
R 19630 Fiji (Viti Levu) 19427
- E *Terminalia cherrieri* McKee 20802  
E 20893 New Caledonia (Poya area) 20802
- R *Terminalia crebrifolia* A.C. Smith 19427  
R 19630 Fiji (Vanua Levu) 19427
- V *Terminalia eriostachya* A. Rich. 11840  
V 20990 Cuba 11840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Combretaceae: *Terminalia*

- R** *Terminalia gatopensis* Guillaumin  
R New Caledonia
- R** *Terminalia glabrata* J.G.Forster var. *brownii*  
Fosberg & Sachet 20845  
R 20845 French Polynesia - Marquesas Is 20845
- E** *Terminalia glabrata* J.G.Forster var. *glabrata* 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- I** *Terminalia glabrata* J.G.Forster var. *haroldii*  
(Exell) Fosberg & Sachet 20845  
I 20845 French Polynesia - Tubuai Is. 20845
- I** *Terminalia glabrata* J.G.Forster var. *koariki*  
(Exell) Fosberg & Sachet 20845  
I 20845 French Polynesia - Tuamotu Is. (Gambier) 20845
- I** *Terminalia hararensis* Engl. ex Diels 20924  
I 20924 Ethiopia (Bale, Harerge) 20924
- I** *Terminalia hecistocarpa* Engl. ex Diels 20924  
I 20924 Ethiopia (Bale) 20924
- R** *Terminalia intermedia* (A. Rich.) Urban 11840  
R 19105 Cuba (Or; LV; LH; PR) 11840
- R** *Terminalia latifolia* Sw. 11543  
R 11543 Jamaica 11543  
R 11543 Guatemala 11543
- V** *Terminalia luteola* A.C. Smith 19427  
V 19630 Fiji (west-central Vanua Levu) 10253
- V** *Terminalia novocaledonica* Däniker 20893  
E 20893 New Caledonia 20893
- R** *Terminalia pachystyla* Borh. 5607  
R 19105 Cuba (Holguin) 5607
- V** *Terminalia parviflora* Thwaites 12838  
V 12838 Sri Lanka 12838
- I** *Terminalia pellucida* Presl. 13780  
I 15960 Philippines 13780
- E** *Terminalia psilantha* A.C. Smith 19630  
E 19630 Fiji (Vanua Levu) 19630
- R** *Terminalia quintalata* Maguire 11543  
R 11543 Brazil 11543  
R 11543 Guyana 11543  
R 11543 Venezuela 11543
- E** *Terminalia simulans* A.C. Smith 19427  
E 19630 Fiji (Vanua Levu) 19427
- R** *Terminalia strigillosa* A.C. Smith 19427  
R 19630 Fiji (Vanua Levu) 19427
- V** *Terminalia vitiensis* A.C. Smith 19427  
V 19630 Fiji (Vitu Levu) 19427
- R** *Terminalia yapacana* Maguire 11543  
R 11543 Colombia 11543  
R 11543 Venezuela 11543

**Compositae**

Number of genera: 1, 100-1, 509  
Number of species: 20, 000  
Recorded threatened species: 2553 (12%)

Cosmopolitan, especially temperate and subtropical regions.

- V** *Abrotanella crassipes* Skottsb. 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- R** *Abrotanella nivigena* (F.Muell.) F.Muell. 20681  
I 20681 Australia - New South Wales 20681

- I** 20681 Australia - Victoria 20681
- R** *Acamptopappus shockleyi* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- Ex** *Acanthocladium dockeri* F.Muell. 20681, 14223  
Ex 20681 Australia - New South Wales 20681  
Ex 20681 Australia - South Australia 20681
- V** *Acanthodesmos distichus* Adams & duQuesnay 20883, 13336  
V 13336 Jamaica 20883
- R** *Achillea absinthoides* Halácsy 20171  
R Greece
- R** *Achillea alpina* L. ssp. *subcartilaginea* (Heimerl) Kitam. 10573  
R 10573 Japan 10573
- R** *Achillea armenorum* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R** *Achillea barbeyana* Heldr. & Heimerl 20171  
R Greece
- R** *Achillea brachyphylla* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R** *Achillea fraasii* Shultes Bip. var. *troiana* Aschers. & Heimerl 12840  
R 12840 Turkey 12840
- R** *Achillea gonioccephala* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Achillea gypsicola* Huber-Mor. 12840  
R 12840 Turkey 12840
- E** *Achillea horanszkyi* Ujhelyi 17786  
E 20619 Hungary 17786
- R** *Achillea kotschyi* Boiss. ssp. *canescens* Bassler 12840  
R 12840 Turkey 12840
- R** *Achillea lucana* Pignatti 18264  
R 18264 Italy (Basilicata, Calabria) 18264
- R** *Achillea magnifica* Huber-Mor. 12840  
R 12840 Turkey 12840
- I** *Achillea maura* Humbert  
I Morocco
- E** *Achillea millefolium* L. var. *megacephala* (Raup) Boivin 20850, 2063  
I 20850 Canada - Alberta 20850  
I 20850 Canada - Mackenzie 20850  
E 20850 Canada - Saskatchewan 20850
- R** *Achillea multifida* (DC.) Boiss. 12840, 20171  
R 12840 Turkey 12840
- R** *Achillea nobilis* L. ssp. *denissima* (O. Schwarz ex Bassler) 12840  
R 12840 Turkey 12840
- R** *Achillea nobilis* L. ssp. *kurdica* Huber-Mor. 12840  
R 12840 Turkey 12840
- R** *Achillea oxyloba* (DC.) Sch.Bip. ssp. *schurii* (Sch.Bip.) Heimerl 20171  
R 19947 Romania 17823  
I 5942 Ukraine 5942
- R** *Achillea pseudoaleppica* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R** *Achillea ptarmica* L. var. *yezoensis* Kitam. 10573

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Achillea*

- R 10573 Japan 10573
- R *Achillea sieheana* Stapf 12840  
R 12840 Turkey 12840
- R *Achillea sintensisii* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Achillea sipikorensis* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840
- R *Achillea sipinulifolia* Fenzl ex Boiss. 12840  
R 12840 Turkey 12840
- R *Achillea taygetea* Boiss. & Heldr. 19174, 20171  
R 19174 Greece 19174
- R *Achillea thracica* Velen. 5204, 20171  
R 5204 Bulgaria (central) 5204
- R *Achnophora tatei* F.Muell. 20681  
R 20681 Australia - South Australia 20681
- R *Acomis acoma* (F.Muell.) Druce 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Acourtia acevedoi* Gonz. Eliz. 11384  
R 14294 Mexico - Durango 11384
- R *Acourtia montana* (Rose) Reveal & R. King var. *intermedia* (Bacigal.) Reveal & R. King 14294  
R 14294 Mexico - Durango 14294
- V *Adenophyllum wrightii* Gray 20850  
I 20850 U.S. - Arizona 20850  
Ex/E 20850 U.S. - New Mexico 20850
- R *Ageratina altissima* var. *roanensis* (Small) Clewell & Woot. 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Kentucky 20850  
R 20850 U.S. - North Carolina 20850  
V 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Virginia 20850  
I 20850 U.S. - West Virginia 20850
- E *Ageratina chiriquensis* (Rob.) K. & R. 20883, 9522  
I 20883 Panama 20883
- E *Ageratina croatii* K. & R. 20883, 9006  
I 20883 Panama 20883
- R *Ageratina durangensis* (H. Robinson) R. King & H. Robinson 10836  
R 14294 Mexico - Durango 10836
- R *Ageratina gonzalezorum* B. Turner 9524  
R 14294 Mexico - Durango 9524
- R *Ageratina grashoffii* B. Turner 12516  
R 14294 Mexico - Durango 12516
- R *Ageratina luciae-brauniae* (Fern.) King & H.E. Robins. 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850
- V *Ageratina shastensis* (Taylor & Stebbins) King & H.E. Robins. 20850  
V 20850 U.S. - California 20850
- R *Ageratina sundbergii* B. Turner 12516  
R 14294 Mexico - Durango 12516
- E *Ageratum chiriquense* (Rob.) K. & R. 20883, 9006  
I 20883 Panama 20883
- I *Ageratum houstonianum* Mill. 15211, 20171  
I India - Tamil Nadu (Nilgiri & Palani Hills)
- V *Ageratum littorale* Gray 20850  
I 20850 U.S. - Florida 20850
- E *Ageratum oliveri* K. & R. 20883, 9006  
I 20883 Panama 20883
- V *Ageratum panamense* Rob. 20883, 10836  
I 20883 Panama 20883
- R *Agoseris lackschewitzii* D. Henderson & R. Moseley 20850  
E 20850 Canada - British Columbia 20850  
V 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- R *Ainsliaea dissecta* Franchet & Sav. 10573  
R 10573 Japan 10573
- R *Ainsliaea faurieana* Beauv. 10573  
R 10573 Japan 10573
- R *Ainsliaea macroclinidioides* Hayata 20511  
R 20511 Taiwan 20511
- R *Ainsliaea macroclinidioides* Hayata var. *secudiflora* (Hayata) Kitamura 20511  
R 20511 Taiwan 20511
- R *Ainsliaea paucicapitata* Hayata 20511  
R 20511 Taiwan 20511
- E *Aldama mesoamericana* N. A. Harriman 20883  
I 20883 Nicaragua 20883
- V *Allagopappus viscosissimus* Bolle 15105  
V 20750 Spain - Canary Is. 15105
- E *Alloispermum inusuetum* Fernández, Urbatsch & Sullivan 20883  
I 20883 Colombia 20883
- V *Ambrosia cheiranthifolia* Gray 20883, 20850, 8058  
I 20883 Mexico 20883
- E *Ambrosia dentata* (Cabrera) Dillon 18200  
E 9446 Peru 18200
- V *Ambrosia linearis* (Rydb.) Payne 20850  
V 20850 U.S. - Colorado 20850
- R *Ambrosia pumila* (Nutt.) Gray 20850  
V 20850 U.S. - California 20850
- V *Ammobium craspedioides* Benth. 20681  
V 20681 Australia - New South Wales 20681
- V *Amphoricarpos elegans* Albov 5942  
V 11552 Russia - North Caucasus (Caucasus) 11552
- R *Amphoricarpos exsul* O. Schwarz 12840  
R 12840 Turkey 12840
- R *Amphoricarpos praedictus* Ayasligil & Grierson 12840  
R 12840 Turkey 12840
- Ex *Anacyclus alboranensis* Esteve Chueca & Varo 19818  
Ex 19818 Spain (Isla de Alborán) 19818
- R *Anacyclus capillifolius* Maire  
R Morocco
- I *Anacyclus exalatus* Murb.  
I Morocco
- V *Anacyclus latealatus* Hub.-Mor. 12840  
V 12840 Turkey 12840
- E *Anaphalis barnesii* C. Fischer 11494  
E 11494 India - Kerala (High Range, Idukki) 11494
- I *Anaphalis beddomei* Hook.f.  
I India - Tamil Nadu (Palani Hills)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Anaphalis*

- I** *Anaphalis fruticosa* Hook.f. 8021  
**I** 16162 Sri Lanka 8021
- R** *Anaphalis horaimontana* Masamune 20511  
**R** 20511 Taiwan 20511
- I** *Anaphalis pelliculata* Trimen 8021  
**I** 16162 Sri Lanka (Nuwara Eliya District) 8021
- V** *Anaphalis sinica* Hance var. *pernivea*  
**V** Shimizu 10573  
**V** 10573 Japan 10573
- V** *Anaphalis sinica* Hance var. *viscosissima* (Honda)  
**V** Kitam. 10573  
**V** 10573 Japan 10573
- V** *Anaphalis sinica* Hance var. *yakusimensis* (Masam.)  
**V** Yahara 10573  
**V** 10573 Japan 10573
- I** *Anaphalis thwaitesii* C.B. Clarke var. *glabrescens*  
**I** Grierson 8021  
**I** 16162 Sri Lanka (Nuwara Eliya District) 8021
- R** *Anaphalis transnokoensis* Sasaki 20511  
**R** 20511 Taiwan 20511
- R** *Anaxeton brevipes* Lundgren 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Anaxeton ellipticum* Lundgren 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Anaxeton hirsutum* (Thunb.) Less. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Andryala crithmifolia* Aiton 17891  
**V** Portugal - Madeira 17891
- E** *Andryala levitomentosa* (Nyár.) P.D.Sell 8000, 20171  
**E** 19417 Romania 20631
- R** *Andryala nigricans* Poiret 10488  
**R** 14958 Algeria 10488
- R** *Andryala webbii* Schultz Bip. ex Christ 15105  
**R** 15105 Spain - Canary Is. 15105
- R** *Anisopappus paucidentatus* Wild 7754  
**R** Zimbabwe (Chimanimani) 7754
- V** *Antennaria affinis* Fern. 20850  
**V** 20850 Canada - Newfoundland 20850
- V** *Antennaria arcuata* Cronq. 20850  
**E** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Antennaria densifolia* Porsild 20850  
**I** 20850 Canada - Mackenzie 20850  
**I** 20850 Canada - Yukon Territory 20850  
**E** 20850 U.S. - Alaska 20850  
**E** 20850 U.S. - Montana 20850
- V** *Antennaria eucosma* Fern. & Wieg. 20850, 15814  
**I** 20850 Canada - Newfoundland 20850  
**R** 20850 Canada - Quebec 20850
- V** *Antennaria pulchella* Greene 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Antennaria soliceps* Blake 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Anthemis abrotanifolia* (Willd.) Guss. 20171  
**R** 20730 Greece - Crete 19121
- R** *Anthemis adonidifolia* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Anthemis ammanthus* Greuter 20171  
**R** 20808 Greece (Cyclades) 20808
- V** *Anthemis amophila* Boiss. & Heldr. 12840  
**V** 12840 Turkey 12840
- R** *Anthemis anthemiformis* (Freyn & Sint.)  
**R** Grierson 12840  
**R** 12840 Turkey 12840
- R** *Anthemis antitaurica* Grierson 12840  
**R** 12840 Turkey 12840
- R** *Anthemis arenicola* Boiss. var.  
**R** *arenicola* 12840  
**R** 12840 Turkey 12840
- V** *Anthemis argyrophylla* (Halácsy & T.Georgiev)  
**V** Velen. 8000, 20171  
**V** 5204 Bulgaria (south) 5204
- V** *Anthemis bourgaei* Boiss. & Reut. 20171  
**V** Spain
- E** *Anthemis brachycarpa* Eig 8895  
**E** Israel 8895
- R** *Anthemis calcarea* Sosn. 12840  
**R** 12840 Turkey 12840
- R** *Anthemis carpatica* Willd. ssp. *pyrethriiformis*  
**R** (Schur) Beldie 17823, 20171  
**R** 19949 Romania 19840
- R** *Anthemis cretica* L. ssp. *argaea* (Boiss. & Bal.)  
**R** Grierson 12840  
**R** 12840 Turkey 12840
- R** *Anthemis cuneata* Hub.-Mor. & Reese 12840  
**R** 12840 Turkey 12840
- R** *Anthemis davisii* Yavin 12840  
**R** 12840 Turkey 12840
- R** *Anthemis dipsacea* Bornm. 12840  
**R** 12840 Turkey 12840
- V** *Anthemis filiculais* (Boiss. & Heldr.) Greuter 20171  
**V** 20730 Greece - Crete 19121
- R** *Anthemis fimbriata* Boiss. 12840  
**R** 12840 Turkey 12840
- I** *Anthemis gaudium-solis* Velen. 5204, 20171  
**I** Bulgaria
- V** *Anthemis gerardiana* Jord. 20171  
**V** France (south-east)
- E** *Anthemis glaberrima* (Rech.f.) Greuter 17891, 20171  
**E** 20730 Greece - Crete 17891
- V** *Anthemis halophila* Boiss. & Bal. 12840  
**V** 12840 Turkey 12840
- R** *Anthemis hydruntina* H.Groves 18264, 20171  
**R** 18264 Italy (Basilicata, Calabria) 18264
- V** *Anthemis ismelia* Lojac. 18264, 20171  
**V** 18264 Italy - Sicily (Mt. Gallo) 18264
- R** *Anthemis lithuanica* (DC.) Besser ex Trautv. 8000,  
**R** 20171  
**R** former European USSR 8000
- R** *Anthemis macrantha* Heuff. 5204, 20171  
**R** 5204 Bulgaria (west) 5204  
**R** 19947 Romania 20631
- R** *Anthemis melanoloma* Trautv. ssp. *trapezuntica*  
**R** Grierson 12840  
**R** 12840 Turkey 12840
- R** *Anthemis meteorica* Hausskn. 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Anthemis*

- R Greece  
R (former) Yugoslavia
- R *Anthemis orbelica* Pancic 5204, 20171  
R 5204 Bulgaria (south and west) 5204
- R *Anthemis oxylepis* (Boiss.) Boiss. 12840  
R 12840 Turkey 12840
- R *Anthemis panachaica* Halácsy 20171  
R Greece
- R *Anthemis pauciloba* Boiss. var. *sieheana* (Eig) Grierson 12840  
R 12840 Turkey 12840
- R *Anthemis pestalozzae* Boiss. 12840  
R 12840 Turkey 12840
- R *Anthemis pindicola* Heldr. ex Halácsy 20171  
R Greece
- R *Anthemis pungens* Yavin 12840  
R 12840 Turkey 12840
- R *Anthemis regis-borisii* Stoj. & Acht. 5204, 20171  
R 5204 Bulgaria (east) 5204
- R *Anthemis rhodensis* Boiss. 20731  
R 20731 Greece - East Aegean Is 20731
- V *Anthemis rosea* Sm. ssp. *rosea* 20731  
V 20731 Greece - East Aegean Is (Samos) 20731
- R *Anthemis rumelica* (Velen.) Stoj. & Acht. 5204, 20171  
R 5204 Bulgaria (south & east) 5204
- I *Anthemis saguramica* Sosn. 5942  
I 5942 Georgia 5942
- R *Anthemis sancti-johannis* Turrill 5204, 20171  
R 5204 Bulgaria 5204
- R *Anthemis sibthorpii* Griseb. 20171  
R Greece
- V *Anthemis sterilis* Steven 8000, 20171  
V former European USSR 8000
- R *Anthemis stribrnyi* Velen. 5204, 20171  
R 5204 Bulgaria (south) 5204
- I *Anthemis tinctoria* L. ssp. *jussii* (Griseb.) Beldie 17823  
I 20631 Romania 20631
- R *Anthemis tinctoria* L. var. *virescens* Bornm. 12840  
R 12840 Turkey 12840
- R *Anthemis tomentella* Greuter 20171  
R 20730 Greece - Crete 19121
- R *Anthemis tricornis* Big 12840  
R 12840 Turkey 12840
- R *Anthemis trozkiana* Claus ex Bunge 5942, 20171  
I 5942 Russia (E. Europe) - South 5942  
R 5942 Kazakhstan 5942
- R *Anthemis virescens* Velen. 5204, 20171  
R 5204 Bulgaria (south & east) 5204
- R *Anthemis wallii* Hub.-Mor. & Reese 12840  
R 12840 Turkey 12840
- I *Anthemis wernerii* Stoj. & Acht. 20171  
I Greece
- R *Antithrixia flavicoma* DC. 20604  
R 20604 South Africa - Cape Province 20604
- R *Anvilleina platycarpa* Maire  
R Morocco
- E *Archibaccharis jacksonii* Sundberg 20883  
I 20883 Costa Rica 20883
- I *Arctotheca forbesiana* (DC.) Lewin 20604  
I 20604 South Africa - Cape Province 20604
- EX *Argentipallium spiceri* (F. Muell.) Paul G. Wilson 20681  
EX 20681 Australia - Tasmania 20681
- R *Argyranthemum adauctum* (Link) Humphries ssp. *dugorii* (Bolle) Humphries  
R Spain - Canary Is.
- E *Argyranthemum adauctum* (Link) Humphries ssp. *erythrocarpon* (Svent.) Humphries  
E Spain - Canary Is.
- E *Argyranthemum adauctum* (Link) Humphries ssp. *jacobaefolium* (Schultz Bip.) Humphries  
E Spain - Canary Is.
- E *Argyranthemum adauctum* (Link) Humphries ssp. *palmensis* Santos  
E Spain - Canary Is.
- V *Argyranthemum broussonetii* (Pers.) Humphries ssp. *broussonetii* 15105  
V 15105 Spain - Canary Is. 15105
- V *Argyranthemum broussonetii* (Pers.) Humphries ssp. *gomerensis* Humphries  
V Spain - Canary Is.
- V *Argyranthemum callichrysum* (Svent.) Humphries 15105  
V 15105 Spain - Canary Is. 15105
- V *Argyranthemum coronopifolium* (Willd.) Humphries 3434  
V 15105 Spain - Canary Is. 15105
- R *Argyranthemum dissectum* (Lowe) Lowe  
R Portugal - Madeira
- V *Argyranthemum escarrei* (Svent.) Humphries 15105  
V 20750 Spain - Canary Is. 15105
- V *Argyranthemum filifolium* (Schultz Bip.) Humphries 15105  
V 20750 Spain - Canary Is. 15105
- R *Argyranthemum foeniculaceum* (Willd.) Webb ex Schultz Bip. 15105  
R 15105 Spain - Canary Is. 15105
- R *Argyranthemum frutescens* (L.) Schultz Bip. ssp. *foeniculaceum* (Pitard & Proust) Humphries  
R Spain - Canary Is.
- V *Argyranthemum frutescens* (L.) Schultz Bip. ssp. *pumilum* Humphries  
V Spain - Canary Is.
- V *Argyranthemum haemotomma* (Lowe) Lowe  
V Portugal - Madeira
- V *Argyranthemum hierrense* Humphries 15105  
V 15105 Spain - Canary Is. 15105
- E *Argyranthemum lemsii* Humphries 15105  
E 20750 Spain - Canary Is. 15105
- E *Argyranthemum lidii* Humphries 14166  
E 15105 Spain - Canary Is. 17891
- V *Argyranthemum maderense* (D. Don) Humphries 15105  
V 15105 Spain - Canary Is. 15105
- E *Argyranthemum pinnatifidum* (L.f.) Lowe ssp. *succulentum* (Lowe) Humphries 17891  
E Portugal - Madeira 17891
- E *Argyranthemum sundingii* Borgen 15105

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Argyranthemum*

- E** 20750 Spain - Canary Is. 15105
- V** *Argyranthemum sventenii* Humphries & Aldridge 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Argyranthemum tenerifae* C.J.Humphries 10260  
**R** 20750 Spain - Canary Is. 15105
- E** *Argyranthemum thalassophytum* (Svent.)  
 Humphries 17891  
**E** Portugal - Salvage Is. 17891
- E** *Argyranthemum vinctii* Santos & Feria 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Argyranthemum webbii* Schultz Bip. 20750  
**R** 15105 Spain - Canary Is. 15105
- V** *Argyranthemum winterii* (Svent.) Humphries 17891  
**V** 20750 Spain - Canary Is. 17891
- E** *Argyroxiphium caliginis* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (West Maui) 20850
- R** *Argyroxiphium grayanum* (Hbd.) O. Deg. 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- E** *Argyroxiphium kausea* (Rock & Neal) O. & I.  
 Deg. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- V** *Argyroxiphium sandwicense* DC. 20850  
**I** 20850 U.S. - Hawaii 20850
- E** *Argyroxiphium sandwicense* DC. ssp. *sandwicense*  
 Hbd. 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Argyroxiphium virescens* Hbd. 20850  
**E** 20850 U.S. - Hawaii 20850
- Ex** *Argyroxiphium virescens* Hillebrand var.  
*virescens* 14301  
**Ex** 14209 U.S. - Hawaii (east Maui) 14209
- V** *Arnaldoa coccinosa* (Muschler) Ferreyra 18200  
**V** 9446 Peru 18200
- V** *Arnaldoa macbrideana* Ferreyra 18200  
**V** 9446 Peru 18200
- V** *Arnica frigida* ssp. *griscomii* (Fern.) S.R.  
 Downie 20850  
**I** 20850 Canada - Newfoundland 20850  
**E** 20850 Canada - Quebec 20850
- R** *Arnica lanceolata* Nutt. 20850  
**I** 20850 Canada - New Brunswick 20850  
**R** 20850 Canada - Quebec 20850  
**V** 20850 U.S. - Maine 20850  
**E** 20850 U.S. - New Hampshire 20850  
**E** 20850 U.S. - New York 20850  
**Ex** 20850 U.S. - Vermont 20850
- R** *Arnica lonchophylla* Greene ssp. *arnoglossa*  
 (Greene) Maguire 20850  
**I** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - South Dakota 20850  
**I** 20850 U.S. - Wyoming 20850
- R** *Arnica louiseana* Farr 20850  
**I** 20850 Canada - Alberta 20850
- E** *Arnicastrum guerrerense* Villaseñor 20883, 9749  
**I** 20883 Mexico 20883  
**R** 19850 Mexico - Guerrero 9749
- V** *Arnoglossum diversifolium* (Torr. & Gray) H.E.  
 Robins. 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850
- I** 20850 U.S. - Louisiana 20850
- E** *Artemisia aleutica* Hulten 20850, 21309  
**E** 20850 U.S. - Alaska 20850
- R** *Artemisia arctica* Less. ssp. *arctica* 20085,  
 21309  
**R** 20085 Russia (E. Europe) - North 20085  
**R** 20085 Canada 20085  
**R** 21309 U.S. - Alaska 21309
- V** *Artemisia arctica* Less. ssp. *beringensis* (Hulten)  
 Hulten 20850  
**V** 20850 U.S. - Alaska 20850
- V** *Artemisia argentea* L'Herit.  
**V** Portugal - Madeira
- E** *Artemisia biennis* Willd. var. *diffusa*  
 Dorn 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Artemisia campestris* L. ssp. *bottnica* A.L.  
 Lundström ex Kindb. 14526, 20171  
**V** 20673 Finland 8000  
**R** 18216 Sweden 18216
- V** *Artemisia cantabrica* (M. Lainz) M. Lainz 11496  
**V** 11496 Spain 11496
- I** *Artemisia cina* Berg ex Polj. 5942  
**E** 5942 Kazakhstan (south-east) 5942  
**E** 5942 Kyrgyzstan 5942  
**I** 5942 Uzbekistan 5942
- R** *Artemisia congesta* Kitam. 10573  
**R** 10573 Japan 10573
- R** *Artemisia densiflora* Viv. 18264  
**R** 18264 Italy - Sardinia 18264
- I** *Artemisia dolichocephala* Pampan.  
**I** India - Jammu & Kashmir
- R** *Artemisia flahaultii* Emberger & Maire  
**R** Morocco
- R** *Artemisia flava* Jurtz. 20085, 21309  
**R** 20085 Russia (E. Europe) - North 20085
- R** *Artemisia gilvescens* Miq. 10573  
**R** 10573 Japan 10573
- R** *Artemisia globularia* Hult. var. *lutea* 19002,  
 21309  
**V** 19002 U.S. - Alaska 19002
- E** *Artemisia granatensis* Boiss. 15398, 20171  
**E** 15398 Spain (Province of Granada y Almeria)  
 15398
- V** *Artemisia hololeuca* M.Bieb. ex Besser 8000, 20171  
**V** 11552 Russian Federation (west) 11552
- Ex** *Artemisia insipida* Vill. 20171  
**Ex** France (south-west Alps/north-west of Gap)
- R** *Artemisia kitadakensis* Hara & Kitam. 10573  
**R** 10573 Japan 10573
- R** *Artemisia lagopus* Fisch. ex Bess. ssp. *abbreviata*  
 Krash. Ex. Korobk. 20085, 21309  
**R** 20085 Russia (E. Europe) - North 20085
- R** *Artemisia lagopus* Fisch. et Bess ssp. *trinana*  
 (Bess.) Korobk. 20085, 21309  
**R** 20085 Russia (E. Europe) - North 20085
- R** *Artemisia legionensis* Lainz  
**R** Spain
- V** *Artemisia ludoviciana* Nutt. ssp. *estesii*  
 Chambers 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Artemisia*

- V 20850 U.S. - Oregon 20850
- V *Artemisia mauiensis* (Gray) Skottsberg 20850  
V 20850 U.S. - Hawaii 20850
- E *Artemisia molinieri* Quézel, M.Barbero & R.J.Loisel 20171  
E 20528 France (Provence) 20528
- R *Artemisia momiyamae* Kitam. 10573  
R 10573 Japan 10573
- R *Artemisia nesiotica* Raven 20850  
I 20850 U.S. - California 20850
- R *Artemisia niitakayamensis* Hayata 20511  
R 20511 Taiwan 20511
- R *Artemisia niitakayamensis* Hayata var. *tsugitakaensis* Kitamura 20511  
R 20511 Taiwan 20511
- R *Artemisia nitida* Bertol. 13662, 20171  
R Austria 8000  
R Italy 8000  
R 13662 Slovenia (eastern) 13662
- I *Artemisia nivalis* Braun-Blanq. 18154  
I Italy (Monte Rosa)  
E 18154 Switzerland 18154
- R *Artemisia oelandica* (Besser) Kom. 18216, 20171  
R 20083 Sweden 18216
- R *Artemisia packardiae* J. Grimes & Ertter 20850  
R 20850 U.S. - Idaho 20850  
V 20850 U.S. - Nevada 20850  
R 20850 U.S. - Oregon 20850
- V *Artemisia palmeri* Gray 20850  
V 20850 U.S. - California 20850
- R *Artemisia pancicii* (Janka) Ronniger 2050, 20171  
V Austria  
E 2050 Czech Republic 2050  
E Czech & Slovak Federal Republic  
R (former) Yugoslavia
- R *Artemisia papposa* Blake & Cronq. 20850  
R 20850 U.S. - Idaho 20850  
V 20850 U.S. - Nevada 20850  
V 20850 U.S. - Oregon 20850
- R *Artemisia pattersonii* Gray 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Wyoming 20850
- V *Artemisia petrosa* (Baumg.) Jan ssp. *eriantha* (Ten.) Giacomini & Pignatti 18264  
V 18264 Italy 18264
- V *Artemisia porteri* Cronq. 20850  
V 20850 U.S. - Wyoming 20850
- R *Artemisia ramosa* C. Smith ex Link  
R 15105 Spain - Canary Is. 15105
- V *Artemisia rupestris* L. ssp. *woodii* Neilson 20850, 1034  
V 20850 Canada - Yukon Territory 20850
- R *Artemisia salsoloides* Willd. 8000, 20171  
R 11552 Russian Federation (west Caucasus, west Siberia) 11552
- R *Artemisia samojedorum* Pamp. 20085, 21309  
R 20085 Russia (E.Europe) - North 20085
- R *Artemisia senjavinensis* Bess. 20850, 5942  
R 11552 Russia (Far East) - Magadan (Bering Straits) 19118  
V 20850 U.S. - Alaska (Bering Straits) 20850
- R *Artemisia somai* Hayata var. *batakensis* (Hayata) Kitamura 20511  
R 20511 Taiwan 20511
- R *Artemisia tilesii* Ledeb. ssp. *unalaschcensis* (Bess.) Hulten 20850  
I 20850 Canada - British Columbia 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Saskatchewan 20850  
R 20850 U.S. - Alaska 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Artemisia trifurcata* Steph. var. *pedunculosa* (Koidz.) Kitam. 10573  
R 10573 Japan 10573
- V *Artemisia vulgaris* L. var. *kamtschatica* Besser 20850  
V 20850 U.S. - Alaska 20850
- I *Aspilia grazielae* Santos 12079  
I 17079 Brazil - Mato Grosso do Sul (Urucum) 17079
- R *Aspilia paraensis* (Huber) Santos 12079  
R 17079 Brazil - Pará (Alto Ariramba) 17079
- I *Aspilia pohlii* Baker 12079  
I 17079 Brazil 12079
- R *Aspilia procumbens* Baker 12079  
R 17079 Brazil - Rio Grande do Norte 17079
- R *Aster albanicus* Degen ssp. *paparistoi* Qosja 20178  
R 20178 Albania 20178
- R *Aster altaicus* Willd. var. *taitoensis* Kitamura 20511  
R 20511 Taiwan 20511
- R *Aster avitus* Alexander 20850  
R 20850 U.S. - Georgia 20850  
Ex 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850
- V *Aster bracei* Britt. 20850  
I 20850 U.S. - Florida 20850
- R *Aster brickellioides* Greene var. *glabratus* Greene 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Aster chapmanii* Torr. & Gray 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850
- R *Aster chingshuiensis* Y.C.Liu et C.H.Ou 20511  
R 20511 Taiwan 20511
- R *Aster curtus* Cronq. 20850, 10701  
V 20850 Canada - British Columbia 20850  
V 20850 U.S. - Oregon 20850  
R 20850 U.S. - Washington 20850
- V *Aster defoliatus* Parish 20850  
I 20850 U.S. - California 20850
- V *Aster depauperatus* Fern. 20850  
I 20850 U.S. - Delaware 20850  
E 20850 U.S. - Maryland 20850  
V 20850 U.S. - Pennsylvania 20850  
I 20850 U.S. - Virginia 20850
- R *Aster elatus* (Greene) Cronq. 20850  
I 20850 U.S. - California 20850
- V *Aster georgianus* Alexander 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Aster*

- V 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 V 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- V *Aster glaucescens* (A. Gray) Blake 20850  
 I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- R *Aster gormanii* (Piper) Blake 20850  
 R 20850 U.S. - Oregon 20850
- E *Aster grisebachii* Britton 5607  
 E 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- I *Aster itsunboshi* Kitamura 20511  
 I 20511 Taiwan 20511
- V *Aster jessicae* Piper 20850  
 V 20850 U.S. - Idaho 20850  
 V 20850 U.S. - Washington 20850
- V *Aster jonesiae* Lamboy 20850  
 I 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Georgia 20850
- V *Aster kantoensis* Kitam. 10573  
 V 10573 Japan 10573
- R *Aster kingii* D.C. Eat. 20850  
 R 20850 U.S. - Utah 20850
- E *Aster kingii* D.C. Eat. var. *barnebyana* (Welsh & Goodrich) Welsh 20850  
 E 20850 U.S. - Utah 20850
- V *Aster kingii* D.C. Eat. var. *kingii* 20850  
 V 20850 U.S. - Utah 20850
- V *Aster laevis* A.G. Jones var. *guadalupensis* A.G. Jones 20850  
 V 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850
- V *Aster lentus* Greene 20850  
 V 20850 U.S. - California 20850
- V *Aster linyris* (L.) Bernh. ssp. *armoricanus* (Rouy) Kerguelen 20528  
 V 20528 France 20528
- V *Aster mirabilis* Torr. & Gray 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- V *Aster mollis* Rydb. 20850  
 V 20850 U.S. - Wyoming 20850
- R *Aster morrisonensis* Hayata 20511  
 R 20511 Taiwan 20511
- E *Aster nahanniensis* Cody 20850, 6796  
 E 20850 Canada - Mackenzie 20850
- V *Aster paludicola* Piper 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850
- R *Aster peirsonii* C.W. Sharsmith 20850  
 I 20850 U.S. - California 20850
- V *Aster puniceus* L. var. *scabricaulis* (Shinn.) A.G. Jones 20850  
 V 20850 U.S. - Texas 20850
- R *Aster rugulosus* Maxim. var. *shibukawaensis* Kitam. & Murata 10573  
 R 10573 Japan 10573
- E *Aster saxicastellii* J.N. Campbell & M. Medley 20850  
 E 20850 U.S. - Kentucky 20850  
 E 20850 U.S. - Tennessee 20850
- R *Aster sibiricus* L. var. *pygmaeus* (Lindl.) Cody 20850  
 I 20850 Canada - Mackenzie 20850  
 E 20850 U.S. - Alaska 20850
- R *Aster sohayakiensis* Koidz. 10573  
 R 10573 Japan 10573
- R *Aster sorrentinii* (Tod.) Lojac. 17891  
 R 18264 Italy - Sicily (north centre & central parts) 20738
- E *Aster spinulosus* Chapman 20850  
 E 20850 U.S. - Florida 20850
- E *Aster subulatus* Michx. var. *obtusifolius* Fern. 20850  
 E 20850 Canada - New Brunswick 20850
- R *Aster takasagomontanus* Sasaki 20511  
 R 20511 Taiwan 20511
- R *Aster tarbagatensis* (K.Koch) Merxm. 8000, 20171  
 R Russia (E. Europe) - South (South-East) 8000
- R *Aster tenuipes* Makino 10573  
 R 10573 Japan 10573
- V *Aster vialis* (Bradshaw) Blake 20850  
 V 20850 U.S. - Oregon 20850
- V *Aster wasatchensis* (M.E.Jones) Blake 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Utah 20850
- V *Aster yakushimensis* (Kitam.) Soejima & Yahara 10573  
 V 10573 Japan 10573
- E *Aster yukonensis* Cronq. 20850, 6796  
 E 20850 Canada - Mackenzie 20850  
 E 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- R *Asteriscus pinifolius* Maire & Wilczek  
 R Morocco
- E *Asteriscus schultzei* (Bolle) Pitard & Proust  
 E 15105 Spain - Canary Is. 15105
- I *Athanasia capitata* (L.) L. 20604  
 I 20604 South Africa - Cape Province 20604
- R *Athanasia grandiceps* Hilliard & B.L.Burt 20604  
 R 20604 South Africa - Natal 20604
- V *Athanasia rugulosa* E.Mey. ex DC. 20604  
 V 20604 South Africa - Cape Province 20604
- I *Athrixia fontinalis* Wild 7754  
 I Zimbabwe (Chimanimani) 7754
- R *Athrixia subsimplex* Brenan 7849  
 R Malawi 7849
- E *Atractylis arbuscula* Svent. & Michaelis 14166  
 E 15105 Spain - Canary Is. 17891
- R *Atractylis boulosii* Tackh.  
 R Egypt
- I *Atractylis caerulea* Battand. 10488  
 I 14958 Algeria 10488
- E *Atractylis preauxiana* Schultz Bip. 14166  
 E 15105 Spain - Canary Is. 17891
- R *Atractylis tutinii* Franco 20171  
 R Spain
- E *Axiniphyllum durangense* B. Turner 20883  
 I 20883 Mexico 20883
- R *Axiniphyllum durangensis* B. Turner 14294  
 R 14294 Mexico - Durango 14294

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Axiniphyllum*

- I** *Baccharis barragensis* Cuatrec. 19352  
**I** 19352 Colombia 19352
- I** *Baccharis floribundoides* Cuatrec. 19352  
**I** 19352 Colombia 19352
- I** *Baccharis grandiflora* Kunth ssp. *farallonensis*  
 Cuatrec. 19352  
**I** 19352 Colombia 19352
- V** *Baccharis kingii* Cuatr. 20883  
**I** 20883 Peru 20883
- E** *Baccharis libertadensis* (S. B. Jones) H.  
 Robinson 20883  
**I** 20883 Peru 20883
- I** *Baccharis macrantha* Kunth ssp. *caucanensis*  
 Cuatrec. 19352  
**I** 19352 Colombia 19352
- R** *Baccharis orientalis* (Alain) Borh. 5607  
**R** 19105 Cuba (Las Tunas) 5607
- I** *Baccharis paramicola* Cuatrec. 19352  
**I** 19352 Colombia 19352
- R** *Baccharis solomonii* H. Robinson 20883  
**I** 20883 Bolivia 20883
- R** *Baccharis steetzii* Andersson 11117  
**R** Ecuador - Galapagos 11117
- E** *Baccharis vanessae* Beauchamp 20850  
**E** 20850 U.S. - California 20850
- V** *Bafutia tenuicaulis* C. Adams  
**V** Cameroon
- V** *Balduina atropurpurea* Harper 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**Ex/E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Balsamorhiza macrolepis* Sharp 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850
- V** *Balsamorhiza macrolepis* Sharp var.  
*macrolepis* 20850  
**V** 20850 U.S. - California 20850
- R** *Barnadesia macbridei* Ferreyra 18200  
**R** 12468 Peru 18200
- R** *Barnadesia wurdackii* Ferreyra 18200  
**R** 12468 Peru 18200
- E** *Barrosoa atlantica* R. M. King & H. Robinson 20883  
**I** 20883 Brazil 20883
- E** *Bartlettina chiriquirensis* K. & R. 20883, 9706  
**I** 20883 Panama 20883
- E** *Bartlettina maxonii* (Rob.) K. & R. 20883, 9006  
**I** 20883 Panama 20883
- E** *Bartlettina tamaulipana* (B. L. Turner) R. M. King & H.  
 Robinson 20883  
**I** 20883 Mexico 20883
- V** *Basedowia tenerrima* (F. Muell. & Tate) J. Black 20681  
**V** 20681 Australia - South Australia 20681
- I** *Bellis azorica* Hochst. 20171  
**I** 19174 Portugal - Azores 19174
- V** *Bellium crassifolium* Moris 20171  
**V** 20805 Italy - Sardinia 20805
- R** *Berardia subacaulis* Vill. 18264, 20171  
**R** France 8000  
**V** 18264 Italy (Piedmont) 18264
- R** *Berkheya draco* Roesler 20604  
**R** 20604 South Africa - Natal 20604
- R** *Berkheya dregei* Harv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Berkheya francisci* Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Berkheya johnstoniana* Britten 7757  
**R** Malawi (Mlanje) 7757
- R** *Berkheya leucaugeta* Hilliard 20604  
**R** 20604 South Africa - Natal 20604
- R** *Berlandiera subacaulis* (Nutt.) Nutt. 20850  
**R** 20850 U.S. - Florida 20850
- I** *Bidens ahnnei* Sherff  
**I** French Polynesia - Marquesas Is
- R** *Bidens amplexens* Sherff 20850  
**R** 20850 U.S. - Hawaii 20850
- R** *Bidens amplissima* Greene 20850, 14362  
**R** 20850 Canada - British Columbia 20850
- E** *Bidens aoraiensis* J. Grant ex Sherff 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti)  
 20845
- R** *Bidens asymmetrica* (Levl.) Sherff 20850  
**I** 20850 U.S. - Hawaii 20850
- I** *Bidens australis* K.P. Sprengel 20845  
**I** 20845 French Polynesia - Society Is. 20845
- R** *Bidens bidentoides* (Nutt.) Britt. 20850  
**E** 20850 U.S. - Delaware 20850  
**R** 20850 U.S. - Maryland 20850  
**V** 20850 U.S. - New Jersey 20850  
**R** 20850 U.S. - New York 20850  
**E** 20850 U.S. - Pennsylvania 20850
- I** *Bidens bipontina* Sherff 20845  
**I** 20845 French Polynesia - Marquesas Is 20845
- V** *Bidens campylothecha* Schultz-Bip. 20850  
**I** 20850 U.S. - Hawaii 20850
- V** *Bidens campylothecha* Schultz-Bip. ssp.  
*campylothecha* 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- V** *Bidens campylothecha* Schultz-Bip. ssp. *pentamera*  
 (Sherff) Ganders & Nagata 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- E** *Bidens campylothecha* Schultz-Bip. ssp. *waihoiensis*  
 St. John 20850, 14209  
**E** 20850 U.S. - Hawaii (east Maui) 20850
- R** *Bidens cervicata* Sherff 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- E** *Bidens clarendonensis* Britton 20883, 13336  
**E** 13336 Jamaica 20883
- I** *Bidens collina* Degener & Sherff 20845  
**I** 20845 French Polynesia - Marquesas Is (Hiva Oa)  
 20845
- E** *Bidens conjuncta* Sherff 20850, 14209  
**E** 20850 U.S. - Hawaii (West Maui) 20850
- R** *Bidens conjunctata* Sherff 14209  
**R** 14209 U.S. - Hawaii (West Maui) 14209
- E** *Bidens cordifolia* Schultz-Bip. 20845  
**E** 20845 French Polynesia - Marquesas Is (Nuka Hiva)  
 20845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Bidens*

- V** *Bidens cosmoides* (Gray) Sherff 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- I** *Bidens deltoidea* J.Moore 20845  
**I** 20845 French Polynesia - Society Is. (Raiatea) 20845
- V** *Bidens dissecta* (O.E. Schultz) Sherff 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Bidens eatonii* Fern. 20850, 5567  
**V** 20850 Canada - Quebec 20850
- E** *Bidens forbesii* Sherff ssp. *kahiliensis* Ganders & Nagata 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- I** *Bidens glandulifera* M.Grant ex Sherff 20845  
**I** 20845 French Polynesia - Society Is. (Bora Bora) 20845
- V** *Bidens henderonensis* Sherff var. *henderonensis* 8050  
**V** 19185 Pitcairn (Henderson Is.) 17673
- Ex/E** *Bidens henderonensis* Sherff var. *oenoensis* Sherff 8616  
**Ex/E** 19185 Pitcairn (Oeno) 8616
- I** *Bidens henderonensis* Sherff var. *subspatulata* Sherff 8050  
**I** 17673 Pitcairn (Henderson Is.) 8050
- I** *Bidens henryi* Sherff 20845  
**I** 20845 French Polynesia - Marquesas Is (Hiva Oa) 20845
- V** *Bidens heterodoxa* (Fern.) Fern. & St. John 20850, 5567  
**E** 20850 Canada - Prince Edward Is. 20850  
**V** 20850 Canada - Quebec 20850  
**Ex/E** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - New Jersey 20850  
**I** 20850 U.S. - Wyoming 20850
- R** *Bidens hillebrandiana* (Drake) O. Deg. 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- V** *Bidens hivaoana* O.Degener & Sherff 20845  
**V** 20845 French Polynesia - Marquesas Is (Hiva Oa) 20845
- I** *Bidens jardinii* Schultz-Bip. 20845  
**I** 20845 French Polynesia - Marquesas Is 20845
- V** *Bidens mathewsii* Sherff 19184  
**V** 19185 Pitcairn (Pitcairn Island) 19186
- R** *Bidens mauiensis* (Gray) Sherff 20850  
**R** 20850 U.S. - Hawaii 20850
- E** *Bidens micrantha* Gaudich ssp. *ctenophylla* (Sherff) Nagata & Ganders 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- E** *Bidens micrantha* (Sherff) ssp. *kalealaha* Nagata & Ganders 20850, 14209  
**E** 20850 U.S. - Hawaii (Maui, Lana'i) 20850
- E** *Bidens molokaiensis* (Hbd.) Sherff 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu, Molokai) 20850
- E** *Bidens orofenensis* M.Grant ex Sherff 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti) 20845
- R** *Bidens polycephala* Schultz-Bip.  
**R** 20845 French Polynesia - Marquesas Is 20845
- E** *Bidens populifolia* Sherff 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- R** *Bidens reptans* var. *tomentosa* O.E. Schultz 20883  
**R** 20883 Jamaica 20883
- E** *Bidens saint-johniana* Sherff 20845  
**E** 20845 French Polynesia - Tubuai Is. (Marotiri) 20845
- E** *Bidens sandvicensis* Less ssp. *confusa* Nagata & Ganders 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- I** *Bidens serrulata* (Schultz-Bip.) Sherff  
**I** French Polynesia - Marquesas Is
- R** *Bidens teikiteetini* Florence & Stuessy 20845  
**R** 20845 French Polynesia - Marquesas Is (Nukua Hiva) 20845
- V** *Bidens trelawniensis* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- I** *Bidens uapensis* (F. Brown) Sherff  
**I** 20845 French Polynesia - Marquesas Is 20826
- R** *Bidens valida* Sherff 20850, 14209  
**R** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Bidens wiebkei* Sherff 20850, 14209  
**E** 20850 U.S. - Hawaii (Moloka'i) 20850
- R** *Bigelowia nuttallii* L.C. Anders. 20850  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**R** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Louisiana 20850  
**R** 20850 U.S. - Texas 20850
- V** *Blennosperma bakeri* Heiser 20850  
**V** 20850 U.S. - California 20850
- E** *Blennosperma nanum* (Hook.) Blake var. *robustum* J.T. Howell 20850  
**E** 20850 U.S. - California 20850
- E** *Blepharizonia plumosa* (Kellogg) Greene ssp. *plumosa* 20850  
**E** 20850 U.S. - California 20850
- I** *Blumea angustifolia* Thwaites 8021  
**I** 16162 Sri Lanka 8021
- I** *Blumea crinita* Arn. 8021  
**I** 16162 Sri Lanka 8021
- R** *Blumea formosana* Kitamura 20511  
**R** 20511 Taiwan 20511
- R** *Blumea linearifolia* Peng & Leu. 20511  
**R** 20511 Taiwan 20511
- V** *Boltonia apalachicolensis* L.C. Anders. 20850  
**V** 20850 U.S. - Florida 20850
- V** *Brachanthemum baranovii* (Kraschen. & Polj.) Kraschen. 5942  
**V** 11552 Russia (Siberia) - West (southern) 20627
- R** *Brachycome humile* G. Simpson & J. Thomson  
**R** New Zealand - South Is.
- R** *Brachycome linearis* (Petrie) Druce  
**R** New Zealand - South Is.
- V** *Brachycome neocaledonica* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- V** *Brachycome sarasinii* Däniker 20893  
**V** 20893 New Caledonia 20893
- R** *Brachycome segmentosa* C. Moore & F. Muell.  
**R** 14225 Australia - NSW - Lord Howe Is. 14225

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Brachycome*

- R *Brachyglottis arborescens* W. Oliver 86  
R 19305 New Zealand - North Is. (Three Kings Island) 19305
- R *Brachyglottis brunonis* (Hook.f.) B.Nord. 20681  
R 20681 Australia - Tasmania 20681
- R *Brachyglottis compacta* (Kirk) Nordenstam 19305  
R 19305 New Zealand - North Is. 19305
- R *Brachyglottis huntii* (Muell.) Nordenstam 19305  
R 20625 New Zealand - Chatham Is. 19305
- R *Brachyglottis pentacopa* (Drury) Nordenstam 19305  
R 19305 New Zealand - North Is. 19305
- I *Brachyglottis saxifragoides* (Hook fil.) Nordenstam 19305  
I 19305 New Zealand 19305
- R *Brachyscome ascendens* G.Davis 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Brachyscome eriogona* (J.Black) G.Davis 20681  
I 20681 Australia - Queensland 20681  
I 20681 Australia - South Australia 20681
- R *Brachyscome humilis* 19305  
R 19305 New Zealand - South Is. 19305
- R *Brachyscome linearis* 19305  
R 19305 New Zealand - South Is. 19305
- E *Brachyscome muelleri* Sonder 20681  
E 20681 Australia - South Australia 20681
- V *Brachyscome muelleroides* G.Davis 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- V *Brachyscome papillosa* G.Davis 20681  
V 20681 Australia - New South Wales 20681
- R *Brachyscome petrophila* G.Davis 20681  
R 20681 Australia - Victoria 20681
- R *Brachyscome riparia* G.Davis 20681  
R 20681 Australia - Victoria 20681
- R *Brachyscome sieberi* DC. var. *gunnii* DC. 20681  
R 20681 Australia - Tasmania 20681
- R *Brachyscome stolonifera* G.Davis 20681  
R 20681 Australia - New South Wales 20681
- R *Brachyscome xanthocarpa* D.Cooke 20681  
R 20681 Australia - South Australia 20681
- V *Brickellia baccharidea* Gray 20883, 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850  
E 20883 Mexico 20883
- V *Brickellia brachyphylla* (A.Gray) A.Gray var. *hinckleyi* (Standl.) Flyr 20850  
V 20850 U.S. - Texas 20850
- Ex/E *Brickellia brachyphylla* (A.Gray) A.Gray var. *terlinguensis* Flyr 20850  
Ex/E 20850 U.S. - Texas 20850
- Ex/E *Brickellia chenopodina* (Greene) B.L. Robins. 20850, 14662  
Ex/E 20850 U.S. - New Mexico 20850
- V *Brickellia cordifolia* Ell. 20850  
V 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- R *Brickellia dentata* (DC.) Schultz-Bip. 20850, 8058  
R 20850 U.S. - Texas 20850  
? Mexico 10836
- E *Brickellia eupatorioides* (L.) Shinners var. *floridana* (R.W.Long) B.L.Turner 20850  
E 20850 U.S. - Florida 20850
- R *Brickellia eupatorioides* (L.) Shinners var. *gracillima* (Gray) B.L.Turner 20883, 20850  
R 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- R *Brickellia parvula* Gray 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Texas 20850
- E *Brickellia viejensis* Flyr 20850  
E 20850 U.S. - Texas 20850
- R *Bubonium longiradiatum* Maire  
R Morocco
- R *Bupthalmum inuloides* Moris 8000, 20171  
R 18264 Italy - Sardinia (extreme north) 8000
- R *Cacalia amagiensis* Kitam. 10573  
R 10573 Japan 10573
- R *Cacalia kiushiana* Makino 10573  
R 10573 Japan 10573
- R *Cacalia nokoensis* Masamune & Susuki 20511  
R 20511 Taiwan 20511
- R *Cacalia peltifolia* Makino 10573  
R 10573 Japan 10573
- R *Cacalia pseudo-taimingasa* Nakai 15957  
R 15923 Korea, South (Mt Chiri, Mt Tokyu) 15957
- R *Cacalia shikokiana* Makino 10573  
R 10573 Japan 10573
- R *Cacalia yakusimense* Masam. 10573  
R 10573 Japan 10573
- E *Cadiscus aquaticus* E.Mey. 20604  
E 20604 South Africa - Cape Province 20604
- E *Calea bucaremangensis* Pruski & Urbatsch 20883  
I 20883 Colombia 20883
- E *Calea crocinervosa* Wussow, Urbatsch, & G.A. Sullivan 20883, 12020  
I 20883 Mexico 20883
- R *Calea fluviatilis* S.F. Blake 9004  
R 12020 Belize 9004
- V *Calea fruticosa* (Gardner) Urbatsch, Zlotisky & Pruski 20883  
I 20883 Brazil 20883
- V *Calea sickii* (Barroso) Urbatsch, Zlotisky & Pruski 20883  
I 20883 Brazil 20883
- V *Calea ternifolia* (Robinson) Wussow, Urbatsch, & G. A. Sullivan var. *calyculata* (Rob.) Wussow, Urb. & G.A. Sul. 20883, 12020  
I 20883 Mexico 20883
- V *Calea urticifolia* Wussow, Urbatsch, & G. A. Sullivan var. *yucatanensis* Wussow, Urb., & G.A. Sullivan 20883, 12020  
I 20883 Mexico 20883
- I *Calendula exilis* Font Quer & Sennen  
I Spain
- V *Calendula maderensis* DC. 17891  
V Portugal - Madeira 17891

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Calendula*

- V** *Calendula suffruticosa* Vahl ssp. *maritima* (Guss.) Meikle 18264, 20171  
**V** 18264 Italy - Sicily 18264
- I** *Calendula vidualii* Pau  
**I** Morocco
- R** *Callilepis leptophylla* Harv. 20039  
**R** 20039 Southern Africa 20039  
**I** 20039 Swaziland 20039
- V** *Calotis glandulosa* F.Muell. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Calotis moorei* P.S.Short 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Calotis suffruticosa* Domin 20681  
**R** 20681 Australia - Queensland 20681
- V** *Calycadenia fremontii* Gray 20850  
**V** 20850 U.S. - California 20850
- R** *Calycadenia hispida* (Greene) Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Calycadenia hooveri* G.D. Carr 20850  
**R** 20850 U.S. - California 20850
- R** *Calycadenia mollis* Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Calycadenia pauciflora* Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Calycadenia spicata* (Greene) Greene 20850  
**I** 20850 U.S. - California 20850
- E** *Calycadenia truncata* DC. ssp. *microcephala* Hall ex Keck 20850  
**E** 20850 U.S. - California 20850
- E** *Calycadenia villosa* DC. 20850  
**E** 20850 U.S. - California 20850
- R** *Camchaya eberhardtii* (Gagnepain) Kitam. 6057  
**R** Vietnam 6057
- R** *Cancriniella krascheninnikovii* (Rubtzov) Tzvelev 5942  
**R** 5942 Kazakhstan (south-east) 5942
- R** *Carduncellus araneosus* Boiss. & Reuter ssp. *pseudomitissimus* Rivas Goday & Rivas Mart.  
**R** Spain
- R** *Carduncellus dianius* Webb 11496  
**R** 19174 Spain (north-east Alicante) 20692  
**R** 11496 Spain - Balearic Is. (Ibiza) 11496
- E** *Carduncellus ilicifolius* Pomel 10488  
**E** 14958 Algeria 10488
- R** *Carduncellus strictus* (Pomel) Hanelt 10504  
**R** 14958 Algeria 10504
- R** *Carduus acanthoides* L. ssp. *sintenisii* Kazmi 12840  
**R** 12840 Turkey 12840
- R** *Carduus adpressus* C.A.Mey. 8000, 20171  
**R** 5204 Bulgaria (Southern - two sites only) 5204
- V** *Carduus aurosicus* Vill. 20171  
**V** 20528 France (southeastern) 20528
- V** *Carduus baecephalus* Webb  
**V** 15105 Spain - Canary Is. 15105
- V** *Carduus bourgaei* Kazmi 10260  
**V** 15105 Spain - Canary Is. 15105
- R** *Carduus cronicus* Boiss et Heldr. ssp. *baldaccii* Kazmi 20178  
**R** 20178 Albania 20178
- R** *Carduus kernerii* Simonk. ssp. *lobulatiformis* (Csürrs & E.J. Nyárády) Soó 17823, 20171  
**R** 19949 Romania 20631
- R** *Carduus nutans* L. ssp. *falcato-incurvus* Davis 12840  
**R** 12840 Turkey 12840
- R** *Carduus nutans* L. ssp. *trojanus* Davis 12840  
**R** 12840 Turkey 12840
- R** *Carduus onopordioides* Fisch. ex Bieb. ssp. *turcicus* (Kazmi) Davis 12840  
**R** 12840 Turkey 12840
- R** *Carduus paui* Devesa & Talav. 11496  
**R** 11496 Spain (Iberian Mts.) 20692
- R** *Carduus ramosissimus* Pancic 20178, 20171  
**R** 20178 Albania 20178  
**K** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Carduus rechingeranus* Kazmi 12840  
**R** 12840 Turkey 12840
- V** *Carduus squarrosus* (DC.) Lowe  
**V** Portugal - Madeira
- R** *Carduus thracicus* (Velen.) Hayek 5204, 20171  
**R** 5204 Bulgaria (Southern and eastern - five sites) 5204
- R** *Carlina barnebiana* B.L.Burt & P.H.Davis 20171  
**R** 20730 Greece - Crete 20730
- V** *Carlina canariensis* Pitard 20750  
**V** 20750 Spain - Canary Is. 15105
- I** *Carlina cirsioides* Klokov 20171  
**I** 5942 Ukraine 5942
- V** *Carlina diae* (Rech.f.) Meusel & Kästner 20171  
**V** 20730 Greece - Crete 20730
- R** *Carlina fiumensis* Simonk. 20171  
**R** (former) Yugoslavia
- R** *Carlina oligocephala* Boiss. & Kotschy ssp. *palleescens* (Wettst.) Muesel & Kastner 12840  
**R** 12840 Turkey 12840
- V** *Carlina onopordifolia* Besser ex Szafer, Kulcz. & Pawl. 5942, 20171  
**V** 18216 Poland (south) 20800  
**I** 5942 Ukraine 5942
- V** *Carlina sitiensis* Rech.f. 20171  
**V** 20730 Greece - Crete (inc. Kasos) 20730
- R** *Carlina tixedae* Marrero 20750  
**R** 20750 Spain - Canary Is. 20750
- E** *Carminatia alvarezii* Rzedowski & Calderón 20883  
**I** 20883 Mexico 20883
- R** *Carthamus rhiphaeus* Font Quer & Pau  
**R** Morocco
- R** *Cassinia amoena* Cheeseman  
**R** New Zealand - North Is.
- R** *Cassinia collina* C.White 20681  
**R** 20681 Australia - Queensland 20681
- V** *Cassinia rugata* N.G.Walsh 20681  
**V** 20681 Australia - Victoria 20681
- R** *Cassinia tenuifolia* Benth.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cassinia*

- R 14225 Australia - NSW - Lord Howe Is. 14225
- V *Catamixis baccharoides* Thomson 11494  
V 11494 India - Uttar Pradesh (Siwalik & Tehri, Garhwal) 11494
- E *Celmisia adamsii* Kirk var. *adamsii* 86  
E New Zealand - North Is.
- V *Celmisia adamsii* Kirk var. *rugosula* Cheeseman 19305  
V 19305 New Zealand - North Is. 19305
- R *Celmisia cordatifolia* Buchan. var. *similis* W. Martin  
R New Zealand - South Is.
- E *Celmisia macmahonii* Kirk var. *macmahonii* 19305  
E 19305 New Zealand - South Is. 19305
- R *Celmisia morganii* Cheeseman 19305  
R 19305 New Zealand - South Is. 19305
- R *Celmisia philocremna* Given 5815  
R 5815 New Zealand - South Is. 5815
- R *Celmisia sericophylla* J.H.Willis 20681  
R 20681 Australia - Victoria 20681
- R *Celmisia spedeni* G. Simpson 19305  
R 19305 New Zealand - South Is. 19305
- R *Celmisia thomsonii* Cheeseman 19305  
R 19305 New Zealand - South Is. 19305
- I *Cenia duckittiae* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Centaurea achaia* Boiss. & Heldr. 20171  
R Greece
- V *Centaurea akamantis* T. Georgiades & G. Chatzikyriakou 20007  
V 20710 Cyprus (Akamas) 18271
- E *Centaurea alba* L. ssp. *heldreichii* (Halacsy) Dostal 8000, 20171  
E Greece (west) 8000
- E *Centaurea alba* L. ssp. *princeps* (Boiss. & Heldr.) Gugler 8000, 20171  
E Greece 17891
- R *Centaurea amaena* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Centaurea amanicola* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea androssovii* Iljin 8001  
R former USSR 6930
- R *Centaurea anthemifolia* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea antiochia* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea antiatauria* Hayek 12840  
R 12840 Turkey 12840
- R *Centaurea aphrodisea* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea aplolepa* Moretti ssp. *aeolica* (Guss. ex Lojac.) Dostál 20171  
R 20171 France 20171
- R *Centaurea argecilensis* Gredilla 20171  
R Spain
- R *Centaurea arguta* Nees 10198  
R Spain - Canary Is. 10198
- R *Centaurea arifolia* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea arvensis* (Czerep.) Wagentiz 8001  
R former USSR 6930
- V *Centaurea ascalonica* Bornm. 8895  
V Israel 8895
- R *Centaurea aucherana* DC. 12840  
R 12840 Turkey 12840
- R *Centaurea austro-anatolica* Hub.-Mor. 12840  
R 12840 Turkey 12840
- I *Centaurea bagadensis* Woronow 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Transcaucasus 5942
- V *Centaurea balbisiana* Soldano ssp. *aemilii* (Briq.) Kerguelen 20528  
V 20528 France (Alpes-Maritimes) 20528
- R *Centaurea balbisiana* Soldano ssp. *jordaniana* (Gren. & Godron) Kerguelen 20528  
R 20528 France (Alpes-de-Haute-Provence) 20528
- V *Centaurea balbisiana* Soldano ssp. *verguinii* (Briq. & Cavill.) Kerguelen 20528  
V 20528 France (Alpes-Maritimes) 20528
- V *Centaurea baldaccii* Degen ex Baldacci 20171  
V 20730 Greece - Crete 20730
- R *Centaurea balearica* Rodr. 8000, 20171  
R 20645 Spain - Balearic Is. 8000
- I *Centaurea barbeyi* (Albov) Sosn. 5942  
I 5942 Transcaucasus 5942
- R *Centaurea biokovensensis* Teyber 20171  
R (former) Yugoslavia
- I *Centaurea boissieri* DC. ssp. *spachii* (Sch.Bip. ex Willk.) Dostál 20171  
I 20874 Spain (Albacete & Valencia) 8000
- R *Centaurea bombycina* Boiss. ex DC. 11496  
R 11496 Spain (Málaga, Granada) 11496
- E *Centaurea borjae* Valdes-Berm. & Rivas Goday 17891  
E 11496 Spain (La Coruña) 17891
- R *Centaurea bourgaei* Boiss. 12840  
R 12840 Turkey 12840
- I *Centaurea bovina* Velen. 20171  
I Bulgaria
- R *Centaurea brevifimbriata* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea calcitrapa* L. ssp. *cilicica* (Boiss. & Bal.) Wagentiz 12840  
R 12840 Turkey 12840
- R *Centaurea candelabrum* Hayek & Kosanin 20178, 20171  
R 20178 Albania 20178
- R *Centaurea cariensiformis* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea cariensis* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea cariensis* Boiss. ssp. *maculiceps* (O.Schwarz) Wagentiz 20731  
R 20731 Greece - East Aegean Is 20731
- R *Centaurea carpatica* (Porcius) Porcius 20171  
R 19947 Romania 8001  
R 5942 Ukraine 5942
- R *Centaurea carpatica* (Porc.) Porc. ssp. *rarauensis*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Centaurea*

- (Prodan) Cioc. 19955  
R 19947 Romania 20631
- R *Centaurea carratracensis* Lange 11496  
R 11496 Spain (Málaga, Sierra Carratrata) 11496
- I *Centaurea castellanoides* Talav.  
I Spain
- R *Centaurea cataonica* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R *Centaurea chalcidicaea* Hayek 20171  
R Greece
- R *Centaurea chaldaeorum* Nab. 12840  
R 12840 Turkey 12840
- R *Centaurea cheirolepidoides* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea chrysantha* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea chrysocephala* Phitos & Georgiadis  
R Greece
- R *Centaurea citricolor* Font Quer 17891  
R 20874 Spain (Sierra Morena) 20874
- R *Centaurea clementei* Boiss. ex DC. 20171  
R Spain
- R *Centaurea corcubionensis* M. Lainz 11496  
R 11496 Spain 11496
- R *Centaurea cordubiensis* Font Quer  
R 20660 Spain (Córdoba, Sevilla, Badajoz) 11496
- R *Centaurea corinthia* Boiss. & Heldr. 20731  
R 20731 Greece (Sterea Ellas) 20731
- V *Centaurea corymbosa* Pourr. 8000, 20171  
V 20528 France (Aude) 20528
- R *Centaurea crithmifolia* Vis. 20171  
R (former) Yugoslavia
- R *Centaurea cuspidata* Vis. 20171  
R (former) Yugoslavia
- V *Centaurea cyrenaica* Beguinot & Vaccari  
V Libya
- R *Centaurea cytherea* Rech.f. 20171  
R Greece
- R *Centaurea dalmatica* A.Kern. 20171  
R (former) Yugoslavia
- R *Centaurea davisii* Wagenitz 12840  
R 12840 Turkey 12840
- V *Centaurea deflexa* Wagenitz 12840  
V 12840 Turkey 12840
- R *Centaurea demirizii* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea derderiifolia* Wagenitz 12840  
R 12840 Turkey 12840
- V *Centaurea dichroa* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R *Centaurea drabifolioides* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea dubjanskii* Iljin  
R former European USSR
- R *Centaurea ducellieri* Battand.  
R Morocco
- R *Centaurea ebenoides* Heldr. ex S.Moore 20171  
R Greece
- R *Centaurea emigrantis* Bubani 11496  
R 11496 Spain 11496
- R *Centaurea ensiformis* Davis 12840  
R 12840 Turkey 12840
- R *Centaurea eriosiphon* Emberger & Maire  
R Morocco
- R *Centaurea exarata* Boiss. ex Coss. 20171  
E 20076 Portugal 20076  
R Spain
- V *Centaurea forojulensis* (Poldini) Poldini 18264  
V 18264 Italy (Friuli-Venezia-Giulia) 18264
- V *Centaurea fraylensis* Sch.Bip. ex Nyman 8000, 20171  
V 20076 Portugal 20076
- R *Centaurea friderici* Vis. 20171  
R (former) Yugoslavia
- R *Centaurea gadorensis* G. Blanca 17891  
R 20874 Spain (Sierra de Gador, Almería, Granada) 11496
- R *Centaurea germanicopolitana* Bornm. 12840  
R 12840 Turkey 12840
- R *Centaurea glaberrima* Tausch 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Centaurea gracillima* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea grbavacensis* (Rohl.) Stoy. & Acht. 20171  
R Greece  
R (former) Yugoslavia
- R *Centaurea guilhelmi* (Pau & Sennen) Maire  
R Morocco
- R *Centaurea haenseleri* (Boiss.) Boiss. 11496  
R 11496 Spain 11496
- R *Centaurea hakkariensis* Wagenitz 12840  
R 12840 Turkey 12840
- V *Centaurea halophila* Hub.-Mor. 12840  
V 12840 Turkey 12840
- V *Centaurea hanryi* Jordan ssp. *shuttleworthii* (Rouy) Kerguélen 20528  
V 20528 France (south-east) 20528
- R *Centaurea haradjianii* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea hedgei* Wagenitz 12840  
R 12840 Turkey 12840
- V *Centaurea hermannii* F.Herm. 17781, 20171  
V 17781 Turkey 17781
- R *Centaurea hierapolitana* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea holtzii* Wagenitz 12840  
R 12840 Turkey 12840
- V *Centaurea horrida* Badarò 8000, 20171  
V 18264 Italy - Sardinia 19997
- R *Centaurea huber-morathii* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea huljakii* J.Wagner 20171  
R Greece
- R *Centaurea incompta* Vis. 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Centaurea ipsaria* Stoj. & Kitanov 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Centaurea*

- R Greece
- R *Centaurea jaennensis* Degen & Debeaux 11496, 20171  
R 11496 Spain (Jaen & Granada) 11496
- R *Centaurea janeri* Graells 15846, 20171  
R 15846 Spain 15846
- E *Centaurea jankae* D.Brândza 8000, 20171  
E 19417 Romania (Dolrogea) 20631
- E *Centaurea kalambakensis* Freyn & Sint. 8000, 20171  
E Greece (central - near Kalabaka) 8000
- R *Centaurea karduchorum* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea kartschiana* Scop. 8000, 20171  
V 18264 Italy (Friuli-Venezia Giulia) 19997  
R (former) Yugoslavia (north west) 8000
- R *Centaurea kernerana* Janka 5204, 20171  
R 5204 Bulgaria (central & west) 5204
- V *Centaurea kilaea* Boiss. 12840, 20171  
V 12840 Turkey 12840
- R *Centaurea koniensis* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea kosaninii* Hayek 20178, 20171  
R 20178 Albania 20178
- R *Centaurea kotschyi* (Boiss. & Heldr.) Hayek var. *decumbens* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea laconica* Boiss. 20171  
R 20731 Greece (Peloponissos) 20731
- E *Centaurea lactiflora* Halácsy 8000, 20171  
E Greece (central - Koniskos, NE of Kalabaka) 8000
- R *Centaurea lactucifolia* Boiss.  
R 20731 Greece - East Aegean Is (Rhodes) 20731
- R *Centaurea lainzii* Fernandez Casas 11496  
R 11496 Spain (Sierra Bermeja, Malaga) 11496
- R *Centaurea laureotica* Heldr. ex Halácsy 20171  
R Greece
- R *Centaurea leucadea* Lacaita 18264  
R 18264 Italy (Puglia) 18264
- Ex/E *Centaurea leucophaea* Jord. ssp. *biformis* (Timb.-Lagr.) Dostál 20171  
Ex/E 20813 France (Pyrénées-Orientales) 20528
- V *Centaurea leucophaea* Jord. ssp. *pseudocoerulea* (Briq.) Dostál 20171  
V 20528 France (south-east) 20528
- E *Centaurea linaresii* Lázaro Ibiza 8000, 20171  
E 14155 Spain (north-west) 8000
- R *Centaurea lithochorea* Georgiadis & Phitos  
R Greece
- R *Centaurea longifimbriata* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea loscosii* Willk. 20171  
R Spain
- R *Centaurea luschaniana* Heimerl 12840  
R 12840 Turkey 12840
- R *Centaurea lycica* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea lycopifolia* Boiss. & Kotschy 12840  
R 12840 Turkey 12840
- R *Centaurea lydia* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea macrorrhiza* Willk. 11496  
R 11496 Spain (Almeria & Murcia) 11496
- E *Centaurea maculosa* Lam. ssp. *albida* (Lecoq & Lamotte) Dostál 20171  
E 20528 France (south) 20528
- R *Centaurea maireana* Emberger  
R Morocco
- R *Centaurea mannagettae* Podp. ssp. *pirinica* (D. Jord.) Koz. 19709  
R 19709 Bulgaria 19709
- V *Centaurea margaritacea* Ten. 20171  
V former European USSR
- I *Centaurea mariana* Nyman 11496  
I 11496 Spain (Murcia, Almeria) 11496
- R *Centaurea mathiolifolia* Boiss. 12840  
R 12840 Turkey 12840
- R *Centaurea micrantha* Dufour 20171  
R Spain
- V *Centaurea micrantha* Hoffmanns. & Link ssp. *herminii* (Rouy) Dostal 8000, 20171  
V 20076 Portugal (north central - Serra da Estrêla) 8000
- R *Centaurea microcarpa* Coss. & Durieu  
R Algeria  
I Tunisia
- V *Centaurea monticola* Boiss. ex DC. 11496  
V 11496 Spain (Granada, Jaen) 11496
- R *Centaurea murbeckii* Hayek 20171  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Centaurea musakii* Georgiadis 20731  
R 20731 Greece 20731
- R *Centaurea musarum* Boiss. & Orph. 20171  
R Greece
- R *Centaurea mykalea* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Centaurea nicolai* Bald. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- E *Centaurea niederi* Heldr. 8000, 20171  
E Greece (west - north of Mesolongion) 8000
- R *Centaurea nydeggeri* Hub.-Mor 12840  
R 12840 Turkey 12840
- R *Centaurea odyssei* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea olympica* C. Koch. 12840  
R 12840 Turkey 12840
- R *Centaurea omphalotricha* Coss. & Durieu ex Batt. 20171  
R Algeria  
I Tunisia
- I *Centaurea ossaea* Halácsy 20171  
I Greece
- V *Centaurea pamphylica* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R *Centaurea pangaea* Greuter & Papanic.



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Centaurea*

- R Greece
- V *Centaurea paniculata* L. ssp. *esterellensis* (Burnat) Dostál 20171  
V 20528 France (Var. Alpes-Maritimes) 20528
- R *Centaurea paphlagonica* (Bornm.) Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea pawlowskii* Phitos & Damboldt  
R Greece
- V *Centaurea paxorum* Phitos & Georgiadis 20731  
V 20731 Greece 20731
- R *Centaurea pecho* Albow 12840  
R 12840 Turkey 12840
- R *Centaurea pestalozzae* Boiss. 12840  
R 12840 Turkey 12840
- E *Centaurea peucedanifolia* Boiss. & Orph. 8000, 20171  
E Greece (north-east - Athos) 8000
- R *Centaurea phaeolepis* Coss. 10488  
R 14958 Algeria 10488
- V *Centaurea pinetorum* Hub.-Mor. 12840  
V 12840 Turkey 12840
- R *Centaurea pinnatifida* Schur 19266, 20171  
R 19949 Romania (S & E Carpathians) 19266
- V *Centaurea poculatoris* Greuter 20171  
V 20730 Greece - Crete 20730
- R *Centaurea poluninii* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea polymorpha* Lag. 20171  
R Spain
- E *Centaurea pontica* Prodán & Nyár. 8000, 20171  
E 19417 Romania (Danube delta) 20631
- R *Centaurea prespans* Rech.f.  
R Greece
- R *Centaurea procumbens* Balb. 20171  
R France  
R Spain
- Ex *Centaurea psephelloides* Freyn & Sint. 12840  
Ex 19873 Turkey 12840
- R *Centaurea pseudocadmea* Wagenitz 20171  
R 20731 Greece (Sterea Ellas - Mt Kithaeron) 20731
- R *Centaurea pseudokotschyi* Wagenitz 12840  
R 12840 Turkey 12840
- E *Centaurea pseudoleucolepis* Kleopow 5942, 20171  
E 20655 Ukraine (south-east) 5942
- R *Centaurea pseudophygia* C.A. Meyer ssp. *retezatensis* (Pradau) Cire 17823  
R 19949 Romania 20631
- R *Centaurea pseudoreflexa* Hayek 12840  
R 12840 Turkey 12840
- R *Centaurea psilacantha* Boiss. & Heldr. 20171  
R 20731 Greece (Sterea Ellas) 20731
- R *Centaurea ptarmicifolia* Halácsy ex Hayek 20171  
R Greece
- R *Centaurea ptosimopappa* Hayek 12840  
R 12840 Turkey 12840
- R *Centaurea ptosimopappoides* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea pulcherrima* Willd. var. *freynii* (int.) Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea pulvinata* (G. Blanca) G. Blanca 17891  
R 20874 Spain 11496
- R *Centaurea pumilio* L. 20171  
R 20730 Greece - Crete 20730
- R *Centaurea rechingeri* Phitos 20171  
R 20731 Greece - East Aegean Is 20731
- R *Centaurea redempta* Heldr. ssp. *redempta* 20731  
R 20731 Greece - Crete 20731
- R *Centaurea reuterana* Boiss. var. *reuterana* 12840  
R 12840 Turkey 12840
- R *Centaurea rhizocalathium* (C. Koch.) Tchihat. 12840  
R 12840 Turkey 12840
- R *Centaurea ropalon* Pomel  
R Algena  
I Tunisia
- V *Centaurea rothmalerana* (Arènes) Dostál 15846, 20171  
V 20076 Portugal 20076
- R *Centaurea rufidula* Bornm. 20171  
R (former) Yugoslavia
- R *Centaurea rupestris* ssp. *parnonia* (Hal.) Routs & Georgiadis 20731  
R 20731 Greece 20731
- R *Centaurea sadlerana* Janka 20171  
R Austria 8000  
R Czech & Slovak Federal Republic 8000  
R Hungary 8000
- R *Centaurea sagredoii* G. Blanca 11496  
R 11496 Spain 11496
- R *Centaurea scannensis* (Anzalone) Pignatti 18264  
R 18264 Italy (Abruzzi) 18264
- R *Centaurea schischkinii* Tzvelev. 12840  
R 12840 Turkey 12840
- R *Centaurea schousboei* Lange 20171  
V 20076 Portugal 20076  
R Spain
- R *Centaurea scopulorum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Centaurea sericea* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea sipylea* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea sivasica* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea solstitialis* L. ssp. *carneola* (Boiss.) Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea solstitialis* L. ssp. *pyracantha* (Boiss.) Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea soskai* Hayek ex Kosanin 20178, 20171  
R 20178 Albania 20178  
V (former) Yugoslavia
- R *Centaurea spinosociliata* Seenus 20171  
R (former) Yugoslavia
- V *Centaurea spinosociliata* Seenus ssp. *tommasinii* (A. Kerner) Dostál 18264, 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Centaurea*

- V 18264 Italy 18264
- R *Centaurea sprunerii* Boiss. & Heldr. ssp. *minoa*  
(Heldr. ex Boiss.) Dostal 20730, 20171  
R 20730 Greece - Crete 20730
- R *Centaurea stapfiana* (Hand.-Mazz.) Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea straminecephala* Hub.-Mor. 12840  
R 12840 Turkey 12840
- I *Centaurea taliewii* Kleopow 11552, 20171  
I 5942 Russia (E.Europe) - South 5942  
I 5942 Kazakhstan 5942  
I 5942 Ukraine - Crimea 5942
- R *Centaurea tananica* Maire  
R Morocco
- R *Centaurea tardiflora* Wagenitz 12840  
R 12840 Turkey 12840
- R *Centaurea tauromenitana* Guss. 18264, 20171  
R 18264 Italy - Sicily (Taormina) 20738
- E *Centaurea tchihatcheffii* Fisch. & Mey. 12840  
E 12840 Turkey 12840
- R *Centaurea theryi* Emberger & Maire  
R Morocco
- R *Centaurea tossiensis* Freyn & Sint. 12840  
R 12840 Turkey 12840
- R *Centaurea transiens* Halácsy 20171  
R Greece
- R *Centaurea triamularia* Alden  
R Greece
- R *Centaurea trichocephala* M.Bieb. ex Willd. ssp.  
*simonkaiana* (Hayek) Dostál 17823, 20171  
R 19949 Romania 2050
- Ex *Centaurea tuntasia* Heldr. ex Halácsy 20171  
Ex 20731 Greece 20731
- R *Centaurea vermiculigera* Hub.-Mor. 12840  
R 12840 Turkey 12840
- V *Centaurea wagenitzii* Hub.-Mor. 12840  
V 12840 Turkey 12840
- R *Centaurea wettsteinii* Degen & Dörfel. 20171  
R (former) Yugoslavia
- R *Centaurea wiedemanniana* Fisch. & Mey. 12840  
R 12840 Turkey 12840
- R *Centaurea woronowii* Bornm. 12840  
R 12840 Turkey 12840
- V *Centaurea xylobasis* Rech.f. 20731  
V 20731 Greece - East Aegean Is 20731
- V *Centaurea zeybekii* Wagenitz 12840  
V 12840 Turkey 12840
- I *Centaurea zlatarskyana* Urum. & J.Wagner 20171  
I Bulgaria
- E *Centaurodendron dracaenoides* Johow 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- E *Centaurodendron palmiforme* Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- I *Centratherum courtallense* (Wight) Benth.  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu
- I *Centratherum mayurii* C. Fischer  
I India - Karnataka (Kemmangundi hills)
- I *Centratherum ritchiei* Hook.f.  
I India - Karnataka (Canara & Concan)
- I *Centratherum tenue* C.B. Clarke  
I India - Karnataka (Concan)
- R *Chaenactis alpigena* C.W. Sharsmith 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Chaenactis artemisiifolia* (Harvey & Gray ex Gray)  
Gray 20850  
I 20850 U.S. - California 20850
- E *Chaenactis carphoclinia* Gray var. *peirsonii*  
(Jepson) Munz 20850  
E 20850 U.S. - California 20850
- V *Chaenactis cusickii* Gray 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Oregon 20850
- R *Chaenactis glabriuscula* DC. 20850  
I 20850 U.S. - California 20850
- R *Chaenactis nevadensis* (Kellogg) Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Chaenactis santolinoides* Greene 20850  
I 20850 U.S. - California 20850
- R *Chaenactis suffrutescens* Gray 20850  
R 20850 U.S. - California 20850
- V *Chaenactis thompsonii* Cronq. 20850  
V 20850 U.S. - Washington 20850
- V *Chaetanthera chiquianensis* Ferreyra 18200  
V 12468 Peru 18200
- V *Chaetanthera cochlearifolia* H. Robinson 18200  
V 12468 Peru 18200
- R *Chaetanthera peruviana* Gray 18200  
R 12468 Peru 18200
- R *Chaetanthera stuebelii* Hieron. var. *abbreviata*  
Cabrera 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Jujuy 20176  
R 20176 Argentina - Tucuman 20176
- R *Chaetopappa effusa* (Gray) Shinnars 20850  
R 20850 U.S. - Texas 20850
- V *Chaetopappa elegans* Soreng & Spellenberg 20850  
V 20850 U.S. - New Mexico 20850
- R *Chaetopappa hersheyi* Blake 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- V *Chaptalia comptonioides* Britton & P. Wilson 5607  
V 19105 Cuba (Granma) 5607
- R *Chaptalia cordata* Hieron. 18200  
R 12468 Peru 18200
- I *Chaptalia eggersii* Urban 5642  
I Dominican Republic (Constanza; Valle Nuevo)  
5642
- V *Chaptalia ekmanii* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Chaptalia turquinensis* Borh. & Muniz 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- I *Chaptalia vegaensis* Urban & Ekman 5642  
I Dominican Republic (Bonao) 5642
- E *Cheirolophus anagensis* Santos 20750  
E 20750 Spain - Canary Is. 20750
- E *Cheirolophus arboreus* (Webb) Holub 20750

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cheirolophus*

- E 15105 Spain - Canary Is. 15105
- R** *Cheirolophus argutus* (Nees) Holub 15105  
R 15105 Spain - Canary Is. 15105
- R** *Cheirolophus canariensis* (Brouss. ex Willd.) Holub 20750  
R 15105 Spain - Canary Is. 15105
- E** *Cheirolophus duranii* (Burchard) Holub 14166  
E 15105 Spain - Canary Is. 17891
- E** *Cheirolophus falsisectus* Montelongo & Moraleda 20750  
E 15105 Spain - Canary Is. 15105
- E** *Cheirolophus ghomerythus* (Svent.) Holub 14166  
E 14166 Spain - Canary Is. (La Gomera) 14166
- E** *Cheirolophus junonianus* (Svent.) Holub 14166  
E 15105 Spain - Canary Is. 17891
- E** *Cheirolophus lagunae* Olivares, Peris, Stübing & Martin 20700  
E 20700 Spain (near Jávea, Valencia province) 20700
- E** *Cheirolophus massonianus* (Lowe) Hansen & Sunding 17891  
E Portugal - Madeira 17891
- E** *Cheirolophus metlesicisii* Montelongo 20750  
E 15105 Spain - Canary Is. 15105
- E** *Cheirolophus puntallanensis* Santos 20750  
E 20750 Spain - Canary Is. 20750
- E** *Cheirolophus santosabreui* Santos 20750  
E 15105 Spain - Canary Is. 15105
- E** *Cheirolophus satarataensis* (Svent.) Holub 20750  
E 20750 Spain - Canary Is. 20750
- E** *Cheirolophus satarataensis* (Svent.) Holub ssp. *dariasi* (Svent.) G.Kunkel 20750  
E Spain - Canary Is.
- R** *Cheirolophus sventenii* (Santos) Kunkel ssp. *gracilis* Santos 20750  
R 20750 Spain - Canary Is. 15105
- V** *Cheirolophus sventenii* (Santos) Kunkel ssp. *sventenii*  
V 15105 Spain - Canary Is. 15105
- E** *Cheirolophus tagananensis* (Svent.) Holub 10260  
E 14155 Spain - Canary Is. 10260
- V** *Cheirolophus webbianus* (Schultz Bip.) Holub 20750  
V 15105 Spain - Canary Is. 15105
- V** *Chiliadenus lopadusanus* Brullo 18264  
V 18264 Italy - Sicily 18264
- R** *Chondrilla setulosa* Charke ex Hook. f. 14782  
R 14782 India - Jammu & Kashmir 14782
- R** *Chondrilla spinosa* Lamond et Matthews 12840  
R 12840 Turkey 12840
- E** *Chresta harleyi* H. Robinson 20883  
I 20883 Brazil 20883
- R** *Chromolaena heteroclinia* (Griseb.) R. King & H. Robinson 20883  
R 20883 Jamaica 20883
- R** *Chrysanthemum morii* Hayata 20511  
R 20511 Taiwan 20511
- R** *Chrysanthemum nivellei* Braun-Blanquet  
R Morocco
- R** *Chrysanthemum zawadskii* Herlich ssp. *coreanum* (Nakai) Y.N. Lee
- R** Korea, South (Mt Halla, Chejudo) 17577
- R** *Chrysanthemum zawadskii* Herlich ssp. *lucidum* (Nakai) Y.N. Lee  
R Korea, South (Ulunungdo) 17577
- R** *Chrysophthalmum dichotomum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- E** *Chrysopsis floridana* Small 20850  
E 20850 U.S. - Florida (Hillsborough & Pinellas Co) 20850
- V** *Chrysopsis godfreyi* Semple 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850
- V** *Chrysopsis gossypina* (Dress) Semple ssp. *crulseana* (Dress) Semple 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850
- E** *Chrysothamnus eremobius* L.C. Anders. 20850  
E 20850 U.S. - Nevada 20850
- R** *Chrysothamnus humilis* Greene 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R** *Chrysothamnus molestus* (Blake) L.C. Anders. 20850  
R 20850 U.S. - Arizona 20850
- E** *Chrysothamnus nauseosus* (Cronq.) Keck ssp. *iridis* L.C. Anders. 20850  
E 20850 U.S. - Utah 20850
- E** *Chrysothamnus nauseosus* (Cronq.) Keck ssp. *psilocarpus* (Blake) L.C. Anders. 20850  
E 20850 U.S. - Utah 20850
- V** *Chrysothamnus nauseosus* (Cronq.) Keck ssp. *texensis* L.C. Anders. 20850  
V 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- E** *Chrysothamnus parryi* L.C. Anders. ssp. *montanus* L.C. Anders. 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Montana 20850
- R** *Chrysothamnus parryi* ssp. *salmonensis* L.C. Anders. 20850  
R 20850 U.S. - Idaho 20850
- R** *Chrysothamnus spatulatus* L.C. Anders. 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- V** *Chuquiraga erinacea* Don 16322  
V 19448 Argentina 16322
- R** *Chuquiraga johnstonii* Tovar 18200  
R 12468 Peru 18200
- R** *Chuquiraga jussieuii* Gmelin 18200  
R 18200 Peru 18200
- R** *Chuquiraga weberbaueri* Tovar 18200  
R 12468 Peru 18200
- R** *Cicerbita brevirostris* (Schu.-Bip. ex Vis. & Panc) C. Jeffr 12840  
R 12840 Turkey 12840
- V** *Ciceronia chaptalioides* Urban 5607  
V 19105 Cuba (Holguin) 5607
- R** *Cineraria hederifolia* Cron 20604  
R 20604 South Africa - Transvaal 20604
- R** *Cirsium aduncum* Fisch. & Mey. ex DC. ssp.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cirsium*

- bashkalense* Davis & Parris 12840  
R 12840 Turkey 12840
- R *Cirsium aidzuense* Nakai 10573  
R 10573 Japan 10573
- R *Cirsium alatum* (Gmelin) Bobrov ssp. *pseudoreticum*  
Davis & Parris 12840  
R 12840 Turkey 12840
- R *Cirsium albescens* Kitamura 20511  
R 20511 Taiwan 20511
- R *Cirsium alpis-lunae* Br.-catt. & Gubell. 18264  
R 18264 Italy (Tuscany) 18264
- E *Cirsium araneans* Rydb. 20850  
I 20850 U.S. - Colorado 20850
- R *Cirsium arisanense* Kitamura forma *purpurescens*  
Kitamura 20511  
R 20511 Taiwan 20511
- R *Cirsium barnebyi* Welsh & Neese 20850  
R 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R *Cirsium baytopae* P.H.Davis & Parris 12840, 20171  
R 12840 Turkey 12840
- R *Cirsium boluense* Davis & Parris 12840  
R 12840 Turkey 12840
- V *Cirsium boninense* Koidz. 8037  
V 19134 Japan - Ogasawara-shoto 8037
- R *Cirsium boujartii* (Piller & Mitterp.)  
Sch.Bip. 17823, 20171  
R 20178 Albania 20178  
Ex 20686 Hungary 20686  
R 19947 Romania 20631
- R *Cirsium bourgaeum* Willk. 20171  
R Spain
- V *Cirsium campylon* H.K. Sharsmith 20850  
V 20850 U.S. - California 20850
- V *Cirsium carniolicum* Scop. ssp. *rufescens* (Raymond  
ex DC.) P.Fourn. 20171  
V 20528 France (Pyrénées-Atlantiques) 20528
- R *Cirsium cassium* Davis & Parris 12840  
R 12840 Turkey 12840
- R *Cirsium chanroenicum* Nakai 15957  
R 15923 Korea, South (Mt Chiri, Mt Kaya, Mt Choryong, Mt  
Sorak) 15957
- R *Cirsium chikushiense* Koidz. var.  
*chikushiense* 10573  
R 10573 Japan 10573
- R *Cirsium chikushiense* Koidz. var. *yakusimense*  
(Masam.) Yahara 10573  
R 10573 Japan 10573
- R *Cirsium chokaiense* Kitam. 10573  
R 10573 Japan 10573
- R *Cirsium ciliolatum* (Henderson) J.T. Howell 20850  
E 20850 U.S. - California 20850  
R 20850 U.S. - Oregon 20850
- R *Cirsium clavatum* (M.E. Jones) Petrak 20850  
V 20850 U.S. - Utah 20850
- V *Cirsium clokeyi* Blake 20850  
V 20850 U.S. - Nevada 20850
- R *Cirsium confertissimum* Nakai 10573  
R 10573 Japan 10573
- V *Cirsium crassicaule* (Greene) Jepson 20850  
V 20850 U.S. - California 20850
- R *Cirsium creticum* (Lam.) D'Urv. ssp. *dictaeum*  
Greuter, Matthäs & Risse 19121  
R 20730 Greece - Crete 20730
- R *Cirsium davisianum* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Cirsium ducellieri* Maire  
R Morocco
- E *Cirsium eatonii* Welsh var. *harrisonii*  
Welsh 20850  
E 20850 U.S. - Utah 20850
- V *Cirsium eatonii* Welsh var. *murdockii*  
Welsh 20850  
V 20850 U.S. - Utah 20850
- R *Cirsium edule* Nutt. 20850  
I 20850 Canada - British Columbia 20850  
E 20850 U.S. - Alaska 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Cirsium eliasianum* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Cirsium ellenbergii* Bornm. 12840  
R 12840 Turkey 12840
- R *Cirsium epiroticum* Petr. 20171  
R Greece
- R *Cirsium eriophorum* (L.) Scop. ssp. *chodati* Rivas  
Mart., Diaz et al.  
R Spain
- V *Cirsium fontinale* (Greene) Jepson 20850  
I 20850 U.S. - California 20850
- E *Cirsium fontinale* (Greene) Jepson var.  
*fontinale* 20850  
E 20850 U.S. - California 20850
- E *Cirsium fontinale* (Greene) Jepson var. *obispoense*  
J.T. Howell 20850  
E 20850 U.S. - California 20850
- V *Cirsium gaditanum* Talav. & B. Valdes  
V 20664 Spain (Cádiz, Málaga) 20664
- R *Cirsium ganjuense* Kitam. 10573  
R 10573 Japan 10573
- V *Cirsium griseum* (Rydb.) K. Schum. 20850  
I 20850 U.S. - Colorado 20850
- R *Cirsium hakkiaricum* Davis & Parris 12840  
R 12840 Turkey 12840
- R *Cirsium hillii* (Canby) Fern. 20850, 14352  
R 20850 Canada - Ontario 20850  
E 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
I 20850 U.S. - Iowa 20850  
R 20850 U.S. - Michigan 20850  
R 20850 U.S. - Minnesota 20850  
I 20850 U.S. - New York 20850  
E 20850 U.S. - Ohio 20850  
V 20850 U.S. - Wisconsin 20850
- R *Cirsium hosokawae* Kitamura 20511  
R 20511 Taiwan 20511
- E *Cirsium hydrophilum* (Greene) Jepson 20850  
I 20850 U.S. - California 20850
- E *Cirsium hydrophilum* (Greene) Jepson var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cirsium*

- hydrophilum* 20850  
 E 20850 U.S. - California 20850
- E *Cirsium hydrophilum* (Greene) Jepson var. *vaseyi*  
 (Gray) J.T. Howell 20850  
 E 20850 U.S. - California 20850
- R *Cirsium inudatum* Makino var. *homolepis* (Nakai)  
 Kitam. 10573  
 R 10573 Japan 10573
- R *Cirsium japonicum* DC. var. *takaoense*  
 Kitamura 20511  
 R 20511 Taiwan 20511
- R *Cirsium kantschaticum* Ledeb. ssp. *apoense* (Nakai)  
 Kitam. 10573  
 R 10573 Japan 10573
- R *Cirsium kirbense* Pomel 10488  
 R 14958 Algeria 10488
- V *Cirsium latifolium* Lowe 17891  
 V Portugal - Madeira 17891
- V *Cirsium loncholepis* Petrak 20850  
 V 20850 U.S. - California 20850
- V *Cirsium longistylum* Moore & Frankton 20850  
 V 20850 U.S. - Montana 20850
- V *Cirsium lucens* Kitam. var. *opacum*  
 Kitam. 10573  
 V 10573 Japan 10573
- R *Cirsium magofukui* Kitam. 10573  
 R 10573 Japan 10573
- R *Cirsium mairei* Halácsy 20171  
 R Greece
- V *Cirsium modestum* (Osterhout) Cockerell 20850  
 I 20850 U.S. - Colorado 20850
- V *Cirsium mohavense* (Greene) Petrak 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- R *Cirsium morinifolium* Boiss. & Heldr. 20171  
 R 20730 Greece - Crete 20730
- V *Cirsium occidentale* (Nutt.) Jepson var. *compactum*  
 Hoover 20850  
 V 20850 U.S. - California 20850
- V *Cirsium oreophilum* (Rydb.) K. Schum. 20850  
 I 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Nevada 20850
- V *Cirsium osterhoutii* (Rydb.) Petrak 20850  
 I 20850 U.S. - Colorado 20850
- R *Cirsium ownbeyi* Welsh 20850  
 V 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Utah 20850  
 E 20850 U.S. - Wyoming 20850
- E *Cirsium parryi* C. Schaack & G. Goodwin ssp.  
*mogollonicum* C. Schaack & G. Goodwin 20850  
 E 20850 U.S. - Arizona 20850
- R *Cirsium pastoris* J.T. Howell 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Oregon 20850
- R *Cirsium perplexans* (Rydb.) Petrak 20850  
 E 20850 U.S. - Colorado 20850
- R *Cirsium pitcheri* (Torr. ex Eat.) Torr. & Gray 20850,  
 15046  
 E 15046 Canada 15046
- V 20850 Canada - Ontario 20850  
 Ex 20850 U.S. - Illinois 20850  
 V 20850 U.S. - Indiana 20850  
 R 20850 U.S. - Michigan 20850  
 V 20850 U.S. - Wisconsin 20850
- R *Cirsium poluninii* Davis & Parris 12840  
 R 12840 Turkey 12840
- V *Cirsium polycephalum* DC. 12840, 20171  
 V 12840 Turkey 12840
- R *Cirsium pubigerum* (Desf.) DC. var. *paphlabolicum*  
 Petrak 12840  
 R 12840 Turkey 12840
- R *Cirsium quercetorum* (Gray) Jepson 20850  
 I 20850 U.S. - California 20850
- V *Cirsium rhinoceros* Nakai forma *albiflorum*  
 Sakata 15957  
 V Korea, South (Mt Halla) 15957
- V *Cirsium rathophilum* Blake 20850  
 V 20850 U.S. - California 20850
- R *Cirsium rosulatum* Talav. & B. Valdes  
 R 11496 Spain 11496
- E *Cirsium rusbyi* (Greene) Petrak 20850  
 I 20850 U.S. - Arizona 20850
- V *Cirsium scapanolepis* Petrak 20850  
 I 20850 U.S. - Colorado 20850
- V *Cirsium scopolorum* (Greene) Cockerell ex  
 Daniels 20850  
 E 20850 U.S. - Colorado 20850  
 I 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Utah 20850
- R *Cirsium setidens* Nakai 15957  
 R 15923 Korea, South (Mt Pukhan, Mt Namsan, Inchon)  
 15957
- R *Cirsium sieboldii* Miq. ssp. *austrukiushianum*  
 Kitam. 10573  
 R 10573 Japan 10573
- R *Cirsium simplex* C.A. Meyer ssp. *satdaghense* Davis  
 & Parris 12840  
 R 12840 Turkey 12840
- R *Cirsium sipyleum* O. Schwarz 12840  
 R 12840 Turkey 12840
- R *Cirsium tioganum* (Congd.) Petrak 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Utah 20850  
 V 20850 U.S. - Wyoming 20850
- Ex *Cirsium toyoshimae* Koidz. 8038  
 Ex 19134 Japan - Ogasawara-shoto 8038
- V *Cirsium vinaceum* Woot. & Standl. 20850  
 V 20850 U.S. - New Mexico (Sacramento Mts, Otero Co.)  
 20850
- V *Cirsium virginense* Welsh 20850  
 E 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Utah 20850
- R *Cirsium wheeleri* (Gray) Petrak 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - New Mexico 20850  
 R 20850 U.S. - Utah 20850
- V *Cirsium wrightii* Gray 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cirsium*

- E 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- I** *Cladochaeta candidissima* (M. Bieb.) DC. 8001  
I 5942 Russia - North Caucasus 5942  
I 5942 Azerbaijan 5942
- E** *Clibadium pilonicum* Stuessy 20883, 9006  
R 9006 Panama 20883
- E** *Clibadium rimachii* H. Robinson 20883  
I 20883 Peru 20883
- E** *Clibadium subauriculatum* Stuessy 20883, 9006  
I 20883 Panama 20883
- E** *Clibadium zarucchii* H. Robinson 20883  
I 20883 Colombia 20883
- R** *Colobogyne langbianensis* Gagnepain 6057  
R 20985 Vietnam 6057
- R** *Comborhiza longipes* (K. Bremer) Anderb. & K. Bremer 20604  
R 20604 South Africa - Cape Province 20604
- Ex** *Commidendrum burchellii* (Hook.f.) Hemsley 18996  
Ex 18996 St Helena 18996
- R** *Commidendrum robustum* DC. 10260  
R 18996 St Helena 18996
- Ex** *Commidendrum rotundifolium* (Roxb.) DC. 15112  
Ex 18996 St Helena 18996
- R** *Commidendrum rugosum* DC. 10260  
R 18996 St Helena 18996
- E** *Commidendrum spurium* DC. 10260  
E 18996 St Helena 18996
- E** *Coreocarpus parthenioides* var. *involutus* (E. L. Greene) E. B. Smith 20883  
I 20883 Mexico 20883
- R** *Coreopsis bigelovii* (Gray) Hall 20850  
I 20850 U.S. - California 20850
- R** *Coreopsis calliopsidea* (DC.) Gray 20850  
I 20850 U.S. - California 20850
- V** *Coreopsis cuneifolia* Greenman 9706  
V 14294 Mexico - Durango 14294
- R** *Coreopsis douglasii* (DC.) Hall 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- V** *Coreopsis hamiltonii* (Elmer) H.K. Sharsmith 20850  
V 20850 U.S. - California 20850
- E** *Coreopsis integrifolia* Poir. 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- R** *Coreopsis intermedia* Sherff 20850  
E 20850 U.S. - Louisiana 20850  
R 20850 U.S. - Texas 20850
- R** *Coreopsis latifolia* Michx. 20850  
E 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850
- R** *Coreopsis maritima* (Nutt.) Hook. f. 20850  
R 20850 U.S. - California 20850
- V** *Coreopsis pulchra* Boynt. 20850  
V 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850
- R** *Coreopsis rosea* Nutt. 20850, 3064
- V** 20850 Canada - Nova Scotia 20850  
E 20850 U.S. - Delaware 20850  
I 20850 U.S. - Georgia 20850  
E 20850 U.S. - Maryland 20850  
R 20850 U.S. - Massachusetts 20850  
I 20850 U.S. - Mississippi 20850  
V 20850 U.S. - New Jersey 20850  
R 20850 U.S. - New York 20850  
Ex 20850 U.S. - Pennsylvania 20850  
V 20850 U.S. - Rhode Is. 20850  
V 20850 U.S. - South Carolina 20850
- R** *Coreopsis stillmanii* (Gray) Blake 20850  
I 20850 U.S. - California 20850
- V** *Corethrogyne californica* DC. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- E** *Corethrogyne filaginifolia* (Hook. & Arn.) Nutt. var. *incana* (Nutt.) Canby 20850  
E 20850 U.S. - California 20850
- E** *Corethrogyne filaginifolia* (Hook. & Arn.) Nutt. var. *linifolia* Hall 20850  
E 20850 U.S. - California 20850
- I** *Corymbium theileri* Markötter 20604  
I 20604 South Africa - Cape Province 20604
- Ex** *Cosmos atrosanguineus* Stapf 19605  
Ex 19605 Mexico 19605
- R** *Cosmos linearifolius* (Schultz-Bip.) Hemsley var. *magnificus* Sherff 14294  
R 14294 Mexico - Durango 14294
- R** *Cotula albida* D. Lloyd  
R New Zealand - South Is.
- R** *Cotula calcarea* D. Lloyd  
R New Zealand - South Is.
- E** *Cotula dioica* Hook.f. ssp. *monoica* D. Lloyd  
E New Zealand - North Is.
- R** *Cotula dispersa* D. Lloyd ssp. *rupestris* D. Lloyd  
R New Zealand - North Is.
- E** *Cotula featherstonii* F. Muell. ex Hook.f. 86  
E New Zealand - Chatham Is.
- V** *Cotula filiformis* Hook.f.  
V New Zealand - South Is.
- I** *Cotula intermedia* D. Lloyd  
I New Zealand - South Is.
- I** *Cotula myriophylloides* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- E** *Cotula nana* D. Lloyd 86  
E New Zealand - South Is.
- R** *Cotula pyrethrifolia* Hook.f. var. *linearifolia* Cheeseman  
R New Zealand - South Is.
- E** *Cotula rotundata* (Cheeseman) D. Lloyd 86  
E New Zealand - North Is.
- R** *Cousinia agelocephala* Tscherneva  
R former USSR 6930
- R** *Cousinia androssovii* Juz.  
R former USSR 6930
- R** *Cousinia aucheri* DC. 12840  
R 12840 Turkey 12840
- I** *Cousinia badhysi* Kult. 5942

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Cousinia*

- I 5942 Turkmenistan 5942
- R *Cousinia cataonica* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R *Cousinia cirsioides* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Cousinia davisiana* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia decolorans* Freyn & Sint. 12840  
R 12840 Turkey 12840
- R *Cousinia eleonora* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia ermenekensis* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia euphratica* Hub.-Mor. 12840  
R 12840 Turkey 12840
- I *Cousinia falconeri* Hook.f.  
I India - Jammu & Kashmir
- R *Cousinia grandifolia* Kult. 5942  
R 5942 Kazakhstan (south) 5942
- R *Cousinia hakkarica* Hub.-Mor. 12840  
R 12840 Turkey 12840
- V *Cousinia halysensis* Hub.-Mor. 12840  
V 12840 Turkey 12840
- V *Cousinia intertexta* Freyn & Sint. 12840  
V 12840 Turkey 12840
- R *Cousinia margiana* Juz.  
R former USSR 6930
- R *Cousinia nabelekii* Bornm. 12840  
R 12840 Turkey 12840
- E *Cousinia platystegia* Tscherneva  
E former USSR 6930
- E *Cousinia pseudolanata* Popov & Tscherneva  
E former USSR 6930
- R *Cousinia satdagensis* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia sintenisii* Freyn 12840  
R 12840 Turkey 12840
- R *Cousinia sivasica* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia vanensis* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Cousinia vavilovii* Kult. 5942  
R 5942 Kazakhstan (south-east border with Kyrgyzstan) 5942  
R 5942 Kyrgyzstan (border with Kazakhstan) 5942
- R *Cousinia woronowii* Bornm. 12840  
R 12840 Turkey 12840
- R *Craspedia alba* Everett & Thompson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Craspedia leucantha* F.Muell. 20681  
R 20681 Australia - New South Wales 20681
- E *Cremanthodium arnicoides* (Wallich) ex DC.) R.  
Good 14768  
E India - Jammu & Kashmir (Apharwat) 14768
- Ex *Crepidiastrum ameristophyllum* (Koidz.) Nakai 8037  
Ex 15112 Japan - Ogasawara-shoto 8037
- Ex *Crepidiastrum grandicollum* (Koidz.) Nakai 8037  
Ex 15112 Japan - Ogasawara-shoto 8037
- R *Crepidiastrum lanceolatum* (Houtt.) Nakai forma  
*batakanensis* (Kitamura) Kitamura 20511  
R 20511 Taiwan 20511
- V *Crepidiastrum linguaeifolium* (Gray) Nakai 8048  
V 19134 Japan - Ogasawara-shoto 8048
- R *Crepis albanica* (Jáv.) Babc. 20178, 20171  
R 20178 Albania 20178  
R (former) Yugoslavia
- R *Crepis albescens* Kuv. et Demid. 20085, 21309  
R 20085 Russia (E.Europe) - North 20085
- R *Crepis amanica* Bobcock 12840  
R 12840 Turkey 12840
- R *Crepis athoa* Boiss. 20171  
R Greece
- R *Crepis aurea* (L.) Cass. ssp. *olympica* (C. Koch)  
Lamond 12840  
R 12840 Turkey 12840
- V *Crepis bakeri* Bobcock & Stebbins ssp. *idahoensis*  
Babcock & Stebbins 20850  
V 20850 U.S. - Idaho 20850
- R *Crepis baldacci* Halácsy 20178, 20171  
R 20178 Albania 20178  
R Greece
- R *Crepis bertiscea* Jáv. 20178, 20171  
R 20178 Albania 20178
- R *Crepis bithynica* Boiss. 5204, 20171  
R 5204 Bulgaria (Southern - two sites) 5204
- V *Crepis canariensis* (Schultz Bip.) Babc. 20750  
V 15105 Spain - Canary Is. 15105
- E *Crepis claryi* Battand. 10488  
E 14958 Algeria 10488
- E *Crepis crocifolia* Boiss. & Heldr. 8000, 20171  
E Greece (south - Taiyetos) 8000
- R *Crepis divaricata* (Lowe) F.W. Schultz 20171  
R Portugal - Madeira  
I Portugal - Salvage Is.
- E *Crepis faureliana* Maire 10488  
E 14958 Algeria 10488
- R *Crepis fontiana* Babc.  
R Morocco
- V *Crepis granatensis* (Willk.) G. Blanca & M.  
Cueto 17891  
V 11496 Spain (Mts of Jaén & Granada) 17891
- R *Crepis guioliana* Babc. 20171  
R Greece
- R *Crepis hakkarica* Lamond 12840  
R 12840 Turkey 12840
- R *Crepis heldreichiana* (Kuntze) Greuter  
R Greece
- R *Crepis hookeriana* Ball  
R Morocco
- I *Crepis libyca* (Pampan.) Babc.  
I Egypt  
V Libya
- R *Crepis litardierei* Emberger  
R Morocco
- R *Crepis monticola* Coville 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Crepis*

- R** *Crepis noronhaea* Babc.  
R Portugal - Madeira
- R** *Crepis pawlowskii* Strid  
R Greece
- R** *Crepis pusilla* (Sommier) Merxm. 13351, 20171  
R Greece  
R 13351 Malta 13351  
R 20076 Portugal 20076  
R Spain - Balearic Is.
- R** *Crepis suffreniana* (DC.) J.Lloyd 20171  
I France  
R Italy
- E** *Cronquistianthus loxensis* R. M. King & H. Robinson 20883  
I 20883 Ecuador 20883
- R** *Cullumia pectinata* (Thunb.) Less. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cyathocline lutea* Law ex Wight 14782  
R 14782 India - Karnataka 14782  
R 14782 India - Maharashtra 14782
- E** *Cylindrocline commersonii* Cass. 10082  
E 20771 Mauritius 10082
- E** *Cylindrocline lorencei* A.J. Scott 10082  
E 20771 Mauritius 10082
- V** *Dahlia rupicola* Sorensen 9553  
V 14294 Mexico - Durango 9553
- R** *Dahlia scapigera* (A. Dietr.) Knowl. & Westc. 9553  
R 19755 Mexico 9553
- R** *Dahlia tenuicaulis* Sorensen 9553  
R 19850 Mexico (north eastern) 9553
- E** *Damxanthodium calvum* (Greenman) Strother 20883  
I 20883 Mexico 20883
- V** *Darwiniothamnus alternifolius* Lawesson & Adersen 12250  
V 14980 Ecuador - Galapagos 12250
- R** *Darwiniothamnus lancifolius* (Hook.f.) Harling ssp. *glabrisculus* Lawesson & Adersen 11117  
R Ecuador - Galapagos (V. Sierra Negra, Isabela) 11117
- I** *Darwiniothamnus tenuifolius* (Hook.f.) Harling 11117  
I Ecuador - Galapagos 11117
- R** *Dasyphyllum excelsum* (D. Don) Cabr. 20883, 15088  
I 20883 Chile 20883
- I** *Delilia inelegans* (Hook.f.) Kuntze 11117  
I Ecuador - Galapagos (Floreana) 11117
- R** *Dendranthema japonicum* (Makino) Kitam. var. *wakasaense* (Shimotomai) Kitam. 10573  
R 10573 Japan 10573
- I** *Dendranthema sinuatum* (Ledeb.) Tsvetlev 5942  
I 5942 Russia (Siberia) - Altai 5942  
I 5942 Russia (Siberia) - Tuva 5942
- R** *Dendranthema yoshinaganthum* (Makino & Kitam.) Kitam. 10573  
R 10573 Japan 10573
- V** *Dendrocacalia crepidifolia* Nakai 8038  
V 19134 Japan - Ogasawara-shoto 8038
- E** *Dendroseris berteriana* Hook. & Arn. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- E** *Dendroseris gigantea* Johow 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- V** *Dendroseris litoralis* Skottsb. 20883, 19116  
E 19125 Chile - Juan Fernandez Is. 19116  
V 20883 Chile 20883
- E** *Dendroseris macrantha* (Bertero ex Decne.) Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- E** *Dendroseris macrophylla* D. Don 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- V** *Dendroseris marginata* (Bert. ex Decne.) Hook. & Arn. 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- V** *Dendroseris micrantha* Hook. et Arn. 19116  
V 19116 Chile - Juan Fernandez Is. 19116
- E** *Dendroseris nerifolia* (Dcne.) H. et A. 20883, 19116  
E 19125 Chile - Juan Fernandez Is. 19116  
E 20883 Chile 20883
- E** *Dendroseris pinnata* Hook. et Arn. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- V** *Dendroseris pruinata* Skottsb. 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- E** *Dendroseris regia* Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- I** *Desmanthodium hondurense* A. Molina 9039  
I 9730 Honduras 9039
- V** *Dicoma cana* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- V** *Dicoma niccolifera* Wild 6088  
V 6088 Zimbabwe 6088
- V** *Dicoria wetherillii* Eastw. 20850  
I 20850 U.S. - Utah 20850
- E** *Diplostephium santamartae* Cuatr. 20883  
I 20883 Colombia 20883
- E** *Diplostephium serratifolium* Cuatr. 20883  
I 20883 Peru 20883
- V** *Distephanus populifolia* (Lam.) Cass. 10082  
V 20771 Mauritius 10082
- R** *Doronicum balansae* Cavill. 12840  
R 12840 Turkey 12840
- R** *Doronicum bithynicum* Edmondson 12840  
R 12840 Turkey 12840
- R** *Doronicum calicifolium* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R** *Doronicum cataractarum* Widder 20171  
R Austria
- R** *Doronicum haussknechtii* Cavill. 12840  
R 12840 Turkey 12840
- R** *Doronicum macrolepis* Freyn & Sint. 12840  
R 12840 Turkey 12840
- V** *Doronicum plantagineum* L. ssp. *tournefortii* 17891  
V 20076 Portugal 20076
- R** *Doronicum reticulatum* Boiss. 12840  
R 12840 Turkey 12840
- R** *Doronicum tobeyi* J.R. Edmondson 12840  
R 12840 Turkey 12840
- E** *Dresslerothamnus angustiradiatus* Rob. 20883, 10747  
I 20883 Panama 20883
- E** *Dresslerothamnus gentryi* H. Robinson 20883  
I 20883 Colombia 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Dresslerothamnus*

- E** *Dresslerothamnus peperomioides* H. Robinson 20883  
I 20883 Panama 20883
- E** *Dubautia arborea* (Gray) Keck 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V** *Dubautia dolosa* (O. Deg. & Sherff) G.D. Carr 20850, 14209  
I 20850 U.S. - Hawaii (East Maui) 20850
- E** *Dubautia herbstobatae* G.D. Carr 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts.) 20850
- E** *Dubautia imbricata* St. John & G.D. Carr 20850, 14209  
I 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia imbricata* St. John & G.D. Carr ssp. *acronaea* G.D. Carr 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia imbricata* St. John & G.D. Carr ssp. *imbricata* 20850  
E 20850 U.S. - Hawaii 20850
- V** *Dubautia knudsenii* Hbd. 20850  
I 20850 U.S. - Hawaii 20850
- E** *Dubautia knudsenii* Hillebr. ssp. *filiformis* G.D. Carr 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia knudsenii* Hillebr. ssp. *knudsenii* 20850  
E 20850 U.S. - Hawaii 20850
- E** *Dubautia knudsenii* Hillebr. ssp. *nagatae* (St. John) G.D. Carr 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia laevigata* Gray 20850  
E 20850 U.S. - Hawaii 20850
- E** *Dubautia latifolia* (Gray) Keck 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Dubautia linearis* (Gaud.) D. Keck ssp. *hillebrandii* (Mann) G.D. Carr 20850, 14209  
I 20850 U.S. - Hawaii 20850
- E** *Dubautia microcephala* Skottsberg 20850  
E 20850 U.S. - Hawaii 20850
- R** *Dubautia microcephala* Skottsberg. var. *microcephala* 14209  
R 14209 U.S. - Hawaii (Kaua`i) 14209
- R** *Dubautia paleata* Gray 20850, 14209  
I 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia pauciflora* St. John & G.D. Carr 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Dubautia plantaginea* Gaud. ssp. *humilis* G. Carr 20850, 14209  
E 20850 U.S. - Hawaii (West Maui) 20850
- V** *Dubautia platyphylla* (Gray) Keck 20850, 14209  
I 20850 U.S. - Hawaii (Maui) 20850
- V** *Dubautia raillardoides* Hbd. 20850, 14209  
I 20850 U.S. - Hawaii (Kaua`i) 20850
- V** *Dubautia reticulata* (Sherff) Keck 20850, 14209  
V 20850 U.S. - Hawaii (Maui) 20850
- E** *Dubautia sherffiana* Fosberg 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts.) 20850
- E** *Dubautia waialealae* Rock 20850  
E 20850 U.S. - Hawaii 20850
- R** *Dymondia margaretae* Compton 20604  
R 20604 South Africa - Cape Province 20604
- R** *Dyssodia gentryi* M. Johnston 14294  
R 14294 Mexico - Durango 14294
- R** *Eastwoodia elegans* Brandeg. 20850  
I 20850 U.S. - California 20850
- V** *Echinacea laevigata* (C.L. Boynt. & Beadle) Blake 20850, 15014  
Ex 15014 U.S. - Alabama 15014  
Ex 15014 U.S. - Arkansas 15014  
E 20850 U.S. - Georgia (Stephens Co.) 20850  
Ex 15014 U.S. - Maryland 15014  
E 20850 U.S. - North Carolina (Durham & Granville Co.) 20850  
Ex 20850 U.S. - Pennsylvania 20850  
E 20850 U.S. - South Carolina (Oconee Co.) 20850  
V 20850 U.S. - Virginia (Pulaski, Montgomery, Campbell & Grant Counties) 20850
- E** *Echinacea paradoxa* Britton var. *neglecta* R.L. McGregor 20850  
E 20850 U.S. - Oklahoma 20850
- R** *Echinacea paradoxa* Britton var. *paradoxa* 20850  
V 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Missouri 20850
- R** *Echinacea simulata* R.L. McGregor 20850  
I 20850 U.S. - Indiana 20850  
I 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Missouri 20850  
I 20850 U.S. - Tennessee 20850
- E** *Echinacea tennesseensis* (Beadle) Small 20850  
E 20850 U.S. - Tennessee 20850
- R** *Echinops emiliae* O. Schwarz ex Davis 12840  
R 12840 Turkey 12840
- R** *Echinops melitenensis* Hedge & Hub.-Mor. 12840  
R 12840 Turkey 12840
- R** *Echinops onopordium* Davis 12840  
R 12840 Turkey 12840
- R** *Echinops pungens* Trautv. var. *adenocladus* Hedge 12840  
R 12840 Turkey 12840
- R** *Echinops saissanicus* (B. Keller) Bobrov 5942  
R 5942 Kazakhstan (east) 5942
- R** *Echinops spinosus* sensu Hayek, non L. 20171  
R Italy - Sicily
- R** *Echinops vaginatus* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- V** *Ekmania lepidota* (Griseb.) Gleas. 5607  
V 19105 Cuba (Guantanamo) 5607
- R** *Elachanthus glaber* Paul G. Wilson 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E** *Elephantopus arenarius* Britton & P. Wilson 5607  
E 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- R** *Elytropappus hispidus* (L.f.) Druce 20604  
R 20604 South Africa - Cape Province 20604
- V** *Embergeria grandifolia* (Kirk) Boulos 86  
V 19305 New Zealand - Chatham Is. 19106
- R** *Encelia hispida* Andersson 11117  
R Ecuador - Galapagos 11117

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Encelia*

- R** *Encelia scaposa* (Gray) Gray 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850
- V** *Enceliopsis covillei* (A. Nels.) Blake 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Enceliopsis nudicaulis* (A. Gray) Nelson var.  
*corrugata* Cronq. 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Epaltes mattfeldii* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- E** *Eremanthus argenteus* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- E** *Eremanthus auriculatus* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- V** *Eremanthus graciellae* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- V** *Eremanthus rondoniensis* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- E** *Eremanthus seidelii* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- V** *Eremanthus uniflorus* MacLeish & Schumacher 20883  
**I** 20883 Brazil 20883
- V** *Ericameria cervina* (S. Watson) Rydb. 20850  
**V** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Utah 20850
- V** *Ericameria crispa* (L. C. Anders.) Nesom 20850  
**V** 20850 U.S. - Utah 20850
- V** *Ericameria cuneata* (Gray) McClatchie var.  
*macrocephala* Urbatsch 20850  
**V** 20850 U.S. - California 20850
- V** *Ericameria discoidea* var. *linearis* (Rydb.)  
Nesom 20850  
**R** 20850 U.S. - Montana 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Ericameria ericoides* (Less.) Jepson 20850  
**I** 20850 U.S. - California 20850
- V** *Ericameria fasciculata* (Eastw.) J.F. Macbr. 20850  
**V** 20850 U.S. - California 20850
- V** *Ericameria gilmanii* (Blake) Nesom 20850  
**V** 20850 U.S. - California 20850
- V** *Ericameria palmeri* (Gray) Hall var. *palmeri*  
Gray 20883, 20850  
**E** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- V** *Ericameria pinifolia* (Gray) Hall 20850  
**I** 20850 U.S. - California 20850
- E** *Ericameria riskindii* Turner & Langford 20883, 10349  
**I** 20883 Mexico 20883  
? Mexico - Coahuila 10349
- V** *Ericameria zionis* (L. C. Anders.) Nesom 20850  
**V** 20850 U.S. - Utah 20850
- E** *Erigeron abajoensis* Cronq. 20850  
**E** 20850 U.S. - Utah 20850
- E** *Erigeron acomanus* Spellenberg & P. Knight 20850  
**E** 20850 U.S. - New Mexico 20850
- V** *Erigeron aequifolius* Hall 20850  
**V** 20850 U.S. - California 20850
- V** *Erigeron algidus* Jepson 20850  
**I** 20850 U.S. - California 20850
- I** 20850 U.S. - Nevada 20850
- R** *Erigeron allocotus* Blake 20850  
**R** 20850 U.S. - Montana 20850  
**R** 20850 U.S. - Wyoming 20850
- V** *Erigeron anchana* Nesom 20850  
**V** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850
- V** *Erigeron arenarioides* (D. C. Eat. ex Gray) Gray ex  
Rydb. 20850  
**V** 20850 U.S. - Utah 20850
- E** *Erigeron arizonicus* Gray 20850  
**E** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850
- E** *Erigeron awapensis* Welsh 20850  
**E** 20850 U.S. - Utah 20850
- R** *Erigeron barbellulatus* Greene 20850  
**I** 20850 U.S. - California 20850
- E** *Erigeron basalticus* Hoover 20850  
**E** 20850 U.S. - Washington 20850
- V** *Erigeron blochmaniae* Greene 20850  
**V** 20850 U.S. - California 20850
- R** *Erigeron breweri* Gray var. *jacinteus* (Hall)  
Cronq. 20850  
**R** 20850 U.S. - California 20850
- R** *Erigeron cabrerae* Dittrich 17530  
**R** 20750 Spain - Canary Is. 15105
- R** *Erigeron candidus* Wiedner 20171  
**R** Austria
- E** *Erigeron carringtoniae* Welsh 20850  
**E** 20850 U.S. - Utah 20850
- R** *Erigeron compositus* Pursh 11552  
**I** 5942 Russia (Far East) - Kamchatka 5942  
**I** 5942 Russia (Far East) - Magadan 5942  
**R** 20085 Russia (E. Europe) - North 20085
- R** *Erigeron consimilis* Cronq. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- V** *Erigeron cronquistii* Maguire 20850  
**I** 20850 U.S. - Idaho 20850  
**V** 20850 U.S. - Utah 20850
- R** *Erigeron darrellianus* Hemsley  
**R** Bermuda
- E** *Erigeron decumbens* Nutt. var.  
*decumbens* 20850  
**E** 20850 U.S. - Oregon 20850
- I** *Erigeron domingensis* Urban 5642  
**I** Dominican Republic 5642
- R** *Erigeron eatonii* Strother & Ferlatte var. *lavandulus*  
Strother & Ferlatte 20850  
**R** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Erigeron elatior* (Gray) Greene 20850  
**R** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- V** *Erigeron engelmannii* (Cronq.) Cronq. var. *davisi*  
(Cronq.) Cronq. 20850  
**V** 20850 U.S. - Idaho 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Erigeron*

- E 20850 U.S. - Oregon 20850
- R** *Erigeron flettii* G.N. Jones 20850  
I 20850 U.S. - Washington 20850
- V** *Erigeron frigidus* Boiss. ex DC. 15398, 20171  
V 20874 Spain (Sierra Nevada) 15398
- I** *Erigeron fuerstesii* Urban 5642  
I Dominican Republic 5642
- V** *Erigeron garrettii* A. Nels. 20850  
V 20850 U.S. - Utah 20850
- R** *Erigeron gilensis* Woot. & Standl. 20850  
I 20850 U.S. - Arizona 20850
- E** *Erigeron goodrichii* Welsh 20850  
E 20850 U.S. - Utah 20850
- V** *Erigeron heliographis* Nesom 20850  
V 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E** *Erigeron hessii* Nesom 20850  
E 20850 U.S. - New Mexico 20850
- V** *Erigeron howellii* Gray 20850  
V 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E** *Erigeron hultenii* Spongberg 20850  
E 20850 U.S. - Alaska 20850
- E** *Erigeron hyssopifolius* Michx. var. *villicaulis*  
Fern. 20850, 1034  
E 20850 Canada - Newfoundland (Island) 20850  
E 20850 Canada - Quebec 20850
- R** *Erigeron incertus* (Urv.) Skottsb.  
R Falkland Is.
- E** *Erigeron ingae* Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- V** *Erigeron jonesii* Cronq. 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- V** *Erigeron kachinensis* Welsh & Moore 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- E** *Erigeron kuschei* Eastw. 20850  
E 20850 U.S. - Arizona 20850
- R** *Erigeron lanatus* Hook. 20850  
I 20850 Canada - Alberta 20850  
V 20850 Canada - British Columbia 20850  
I 20850 Canada - Yukon Territory 20850  
E 20850 U.S. - Colorado 20850  
R 20850 U.S. - Montana 20850  
E 20850 U.S. - Wyoming 20850
- R** *Erigeron lassenianus* Greene 20850  
I 20850 U.S. - California 20850
- V** *Erigeron latus* (A. Nels. & J.F. Macbr.) Cronq. 20850  
V 20850 U.S. - Idaho 20850  
E 20850 U.S. - Nevada 20850
- R** *Erigeron leibergii* Piper 20850, 10701  
E 20850 Canada - British Columbia 20850  
I 20850 U.S. - Washington 20850
- E** *Erigeron lemmonii* Gray 20850  
E 20850 U.S. - Arizona 20850
- V** *Erigeron libanensis* Urban 5607  
V 19105 Cuba (Guantanamo) 5607
- V** *Erigeron maguirei* Cronq. 20850  
V 20850 U.S. - Utah 20850
- E** *Erigeron maguirei* Cronq. var. *harrisonii*  
Welsh 20850, 11630  
20850 U.S. - Utah 20850
- E** *Erigeron maguirei* Cronq. var. *maguirei* 20850  
20850 U.S. - Utah 20850
- R** *Erigeron major* (Boiss.) Vierh. 20171  
R Spain
- V** *Erigeron mancus* Rydb. 20850  
V 20850 U.S. - Utah 20850
- Ex/E** *Erigeron mariposanus* Congdon 20850  
Ex/E 20850 U.S. - California 20850
- R** *Erigeron melanocephalus* (A. Nels.) A. Nels. 20850  
R 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850  
V 20850 U.S. - Wyoming 20850
- V** *Erigeron mimegletes* Shinnars 20850  
V 20850 U.S. - Texas 20850
- R** *Erigeron miyabeanus* Tatew. & Kimura 10573  
R 10573 Japan 10573
- V** *Erigeron muirii* Gray 20850, 1034, 21309  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- E** *Erigeron multiceps* Greene 20850  
E 20850 U.S. - California 20850
- R** *Erigeron nanus* Schur 8000, 20171  
R Czech Republic 8000  
R 18216 Poland (Tatry Mts.) 18216  
R 19947 Romania 19417  
V 19321 Slovakia 19321
- R** *Erigeron nematophyllus* Rydb. 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- R** *Erigeron ochroleucus* Nutt. var. *ochroleucus* 20850  
I 20850 Canada - Alberta 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - Montana 20850  
I 20850 U.S. - South Dakota 20850  
R 20850 U.S. - Wyoming 20850
- I** *Erigeron ocoensis* Urban 5642  
I Dominican Republic 5642
- R** *Erigeron oreganus* Gray 20850  
R 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E** *Erigeron ovinus* Cronq. 20850  
V 20850 U.S. - Nevada 20850
- E** *Erigeron oxyphyllus* Greene 20850  
I 20850 U.S. - Arizona 20850
- V** *Erigeron pallens* Cronq. 20850  
I 20850 Canada - Alberta 20850  
I 20850 Canada - British Columbia 20850  
I 20850 Canada - Mackenzie 20850
- V** *Erigeron paolii* Gamisans 15080  
V 15080 France - Corsica 15080
- V** *Erigeron parishii* Gray 20850  
V 20850 U.S. - California 20850
- V** *Erigeron paucilobus* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V** *Erigeron peregrinus* (Blake ex J.W. Thompson) Cronq. var. *thompsonii* (Blake ex J.W. Thompson) Cronq. 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Erigeron*

- V 20850 U.S. - Washington 20850
- E** *Erigeron philadelphicus* (Victorin & Rouss.) Boivin var. *provancheri* (Victorin & Rouss.) Boivin 20850  
**I** 20850 Canada - Ontario 20850  
**E** 20850 Canada - Quebec 20850  
**I** 20850 U.S. - New York 20850  
**I** 20850 U.S. - Vermont 20850
- R** *Erigeron pinnatisectus* (Gray) A. Nels. 20850  
**R** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Wyoming 20850
- V** *Erigeron piperianus* Cronq. 20850  
**V** 20850 U.S. - Washington 20850
- E** *Erigeron piscaticus* Nesom 20850  
**E** 20850 U.S. - Arizona 20850
- R** *Erigeron pringlei* Gray 20850  
**R** 20850 U.S. - Arizona 20850
- V** *Erigeron proselyticus* Nesom 20850  
**V** 20850 U.S. - Utah 20850
- I** *Erigeron psilocaulis* Urban 5642  
**I** Dominican Republic 5642
- E** *Erigeron pulchellus* Michaux var. *tolsteadii* Cronq. 20850  
 20850 U.S. - Minnesota 20850
- R** *Erigeron pygmaeus* (Gray) Greene 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Erigeron radicans* Hook. 20850, 2063  
**E** 20850 Canada - Alberta 20850  
**V** 20850 Canada - Saskatchewan 20850  
**R** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - North Dakota 20850  
**E** 20850 U.S. - Wyoming 20850
- I** *Erigeron rapensis* F. Brown 20845  
**I** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- V** *Erigeron religiosus* Cronq. 20850  
**V** 20850 U.S. - Utah 20850
- V** *Erigeron rhizomatus* Cronq. 20850  
**V** 20850 U.S. - New Mexico (McKinley & Catron Co.) 20850
- E** *Erigeron rupicola* Philippi 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- R** *Erigeron rybius* Nesom 20850  
**R** 20850 U.S. - New Mexico 20850
- V** *Erigeron salishii* G.W. Douglas & Packer 20850, 14410  
**E** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Washington 20850
- V** *Erigeron salmonensis* S.J. Brunfeld & Nesom 20850  
**V** 20850 U.S. - Idaho 20850
- V** *Erigeron saxatilis* Nesom 20850  
**V** 20850 U.S. - Arizona 20850
- R** *Erigeron setosus* (Benth.) M. Gray 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Erigeron sionis* Cronq. 20850  
**V** 20850 U.S. - Utah 20850
- I** *Erigeron subalpinus* Urban 5642  
**I** Dominican Republic 5642
- R** *Erigeron subglaber* Cronq. 20850  
**R** 20850 U.S. - New Mexico 20850
- E** *Erigeron supplex* Gray 20850  
**E** 20850 U.S. - California 20850
- E** *Erigeron taylori* Britton & P. Wilson 5607  
**E** Cuba (Santiago de Cuba) 5607
- R** *Erigeron thunbergii* A. Gray var. *angustifolius* (Tatew.) Hara 10573  
**R** 10573 Japan 10573
- V** *Erigeron trifidus* Hook. 20850, 15882  
**V** 20850 Canada - Alberta 20850  
**E** 20850 Canada - British Columbia 20850  
**I** 20850 Canada - Saskatchewan 20850
- I** *Erigeron tuerckheimii* Urb. 19408, 10260  
**I** 19408 Dominican Republic 19408
- R** *Erigeron uncialis* (Blake) Cronq. ssp. *conjugans* (Blake) Cronq. 20850  
**R** 20850 U.S. - Nevada 20850
- E** *Erigeron untermannii* Welsh & Goodrich 20850, 11630  
**E** 20850 U.S. - Utah 20850
- R** *Erigeron utahensis* Gray var. *sparsifolius* (Eastw.) Cronq. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Utah 20850
- I** *Erigeron vegaensis* Urb. 19408, 10260  
**I** 19408 Dominican Republic 19408
- E** *Erigeron wilkenii* O'Kane 20850  
**E** 20850 U.S. - Colorado 20850
- E** *Erigeron zothecinus* Welsh 20850  
**E** 20850 U.S. - Utah 20850
- R** *Eriophyllum ambiguum* (Gray) Gray 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Eriophyllum congdonii* Brandeg. 20850  
**V** 20850 U.S. - California 20850
- E** *Eriophyllum lanatum* (Pursh) James Forbes var. *hallii* Constance 20850  
**E** 20850 U.S. - California 20850
- R** *Eriophyllum lanatum* (Pursh) Forbes var. *obovatum* (Greene) Hall 20850  
**I** 20850 U.S. - California 20850
- E** *Eriophyllum latilobum* Rydb. 20850  
**E** 20850 U.S. - California 20850
- V** *Eriophyllum mohavense* (I.M. Johnston) Jepson 20850  
**V** 20850 U.S. - California 20850
- V** *Eriophyllum nevinii* Gray 20850  
**V** 20850 U.S. - California 20850
- V** *Eriophyllum nubigenum* Greene ex Gray 20850  
**V** 20850 U.S. - California 20850
- R** *Eriophyllum tanacetiflorum* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Erlangea westii* Wild 7754  
**R** Zimbabwe (Chimanimani) 7754
- I** *Erythrocephalum niassae* Wild 7923  
**I** Mozambique 7923
- V** *Eupatorium anomalum* Nash 20850  
**I** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Eupatorium*

- R** *Eupatorium atroglandulosum* Alain 5607  
**R** 19105 Cuba (Sancti Spiritus) 5607
- R** *Eupatorium betonicifolium* P. Mill. 20850  
**R** 20850 U.S. - Texas 20850
- E** *Eupatorium bigelovii* Gray 20883, 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20883 Mexico 20883
- V** *Eupatorium borinquense* (Britt.) B.L. Robins. 20883  
**I** 20883 Puerto Rico 20883
- V** *Eupatorium breviflorum* Alain 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- E** *Eupatorium chalconioides* Robins.  
**E** 19105 Cuba 19105
- I** *Eupatorium constanzae* Urban 5642  
**I** Dominican Republic (Constanza) 5642
- V** *Eupatorium contortum* C.D. Adams 13336  
**V** 13336 Jamaica 13336
- I** *Eupatorium cordifolium* Sw. 13336  
**I** 13336 Jamaica 13336
- I** *Eupatorium correlliorum* Plettman  
**I** 4650 Bahamas 4650
- V** *Eupatorium critoniforme* Urb. var. *pubescens*  
 C.D. Adams 13336  
**V** 13336 Jamaica 13336
- V** *Eupatorium dolphini* Urb. 13336  
**V** 13867 Jamaica (Hanover, Dolphin Head) 13336
- Ex/E** *Eupatorium droserolepis* B.L. Robins. 20883, 14662  
**I** 20883 Puerto Rico 20883
- V** *Eupatorium frustratum* B.L. Robins. 20850  
**I** 20850 U.S. - Florida 20850
- R** *Eupatorium hammatocladum* Robins. & Britton 13336  
**R** 13336 Jamaica 13336
- V** *Eupatorium hardwareense* Proctor ex Adams 13336  
**V** 13336 Jamaica 13336
- V** *Eupatorium hartii* Urb. 13336  
**V** 13336 Jamaica 13336
- I** *Eupatorium heterosquameum* Urban 5642  
**I** Dominican Republic (Jimani) 5642
- I** *Eupatorium imbricatum* (Griseb.) Urban 5607  
**I** 19105 Cuba (Guantanamo) 5607
- E** *Eupatorium leucolepis* (DC.) Torr. & A. Gray var.  
*novae-angliae* Fern. 20850  
**E** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - New York 20850  
**E** 20850 U.S. - Rhode Is. 20850
- I** *Eupatorium nervosum* Sw. 13336  
**I** 13336 Jamaica 13336
- V** *Eupatorium oligadenium* Alain 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Eupatorium oteroi* Monachino 20883  
**I** 20883 Puerto Rico (Moná) 20883
- R** *Eupatorium platychaetum* Urb. 13336  
**R** 13336 Jamaica 13336
- R** *Eupatorium resinosum* Torr. ex DC. 20850  
**Ex/E** 20850 U.S. - Delaware 20850  
**V** 20850 U.S. - New Jersey 20850  
**Ex** 20850 U.S. - New York 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Eupatorium rigidum* Sw. 13336  
**R** 13336 Jamaica 13336
- V** *Eupatorium schizanthum* Griseb. 13336  
**V** 19890 Jamaica (John Crow Peak) 19389
- V** *Eupatorium tetranthum* Griseb. 13336  
**V** 13336 Jamaica 13336
- R** *Eupatorium yakushimense* Masam. & Kitam. 10573  
**R** 10573 Japan 10573
- R** *Euryops brevifolius* Compton 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops brevipes* B.Nord. 20604  
**R** 20604 South Africa - Natal 20604
- I** *Euryops ciliatus* B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Euryops decipiens* Schltr. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops dentatus* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Euryops hypnoides* B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Euryops indecorus* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops integrifolius* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Euryops lasiocladus* (DC.) B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Euryops latifolius* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops linearis* Harv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops marlothii* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Euryops mirus* B.Nord. 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Euryops muirii* C.A.Sm. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Euryops pectinatus* (L.) Cass. ssp. *lobulatus* B.  
 Nordenstam 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Euryops pleiodontus* B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Euryops polytrichoides* (Harv.) B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Euryops rosulatus* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euryops subcarosus* DC. ssp. *minor* B.  
 Nordenstam 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Euryops ursinoides* B.Nord. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Euryops virgatus* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Euthamia tenuifolia* (Pursh) Greene var. *pycnocephala*  
 (Fern.) C. & J. Taylor 20850  
**R** 20850 Canada - Nova Scotia 20850  
**E** 20850 U.S. - Maine 20850  
**E** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - New Hampshire 20850  
**I** 20850 U.S. - New York 20850
- I** *Evax longilanata* Maire & Wilczek

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Evax*

- I Morocco
- R *Evax rotundata* Moris 8000, 20171  
R 15080 France - Corsica 15080  
R 18264 Italy - Sardinia 18264
- R *Ewartia sinclairii* (Hook.f.) Cheeseman  
R New Zealand - South Is.
- R *Farfugium hiberniflorum* (Makino) Kitam. 10573  
R 10573 Japan 10573
- R *Faujasia flexuosa* (Lam.) C.Jeffrey ssp. *erecta*  
C.Jeffrey 20771  
R 20771 Mauritius 20771
- E *Faujasia reticulata* (Vahl) C.Jeffrey 20771  
E 20771 Mauritius 10710
- I *Faujasia squamosa* (Bory) C.Jeffrey 10082  
I 14234 Réunion 10082
- R *Feddea cubensis* Urban 5607  
R 19105 Cuba (Holguin; Guantanamo) 5607
- Ex *Felicia annectens* (Harv.) Grau 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- I *Felicia dentata* (A. Rich.) Dandy in F.W. Andrews ssp. *nubica* Grau  
I 5908 Sudan (Djebel Marra) 5908
- R *Felicia diffusa* (DC.) Grau ssp. *khamiesbergensis*  
Grau 20604  
R 20604 South Africa - Cape Province 20604
- V *Felicia elongata* (Thunb.) O.Hoffm. 20604  
V 20604 South Africa - Cape Province 20604
- R *Felicia esterhuyseniae* Grau 20604  
R 20604 South Africa - Cape Province 20604
- R *Felicia fruticosa* (L.) G.Nicholson ssp. *brevipedunculata* (Hutch.) Grau 20604  
R 20604 South Africa - Transvaal 20604
- R *Felicia tsitsikamae* Grau 20604  
R 20604 South Africa - Cape Province 20604
- R *Felicia wrightii* Hilliard & B.L.Burt 20604  
R 20604 South Africa - Natal 20604
- E *Femeniasia balearica* (Rodr.) Susanna 20645  
E 20874 Spain - Balearic Is. (north Menorca) 20656
- V *Ferreyranthus rugosus* (Ferreyra) H. Robinson & Brettell 18200  
V 12468 Peru 18200
- I *Filago bolivari* Caballero  
I Morocco
- I *Filago duriaei* Coss. ex Lange 20171  
I Spain
- I *Filago evaciformis* Maire & G. Samuelsson  
I Morocco
- E *Fitchia cordata* M.Grant & Carlquist 20845  
E 20845 French Polynesia - Society Is. (Bora Bora) 20845
- E *Fitchia cuneata* J.Moore ssp. *cuneata* 20845  
E 20845 French Polynesia - Society Is. (Raiatea) 20845
- Ex *Fitchia mangarevensis* F.Brown 20845  
Ex 20845 French Polynesia - Tuamotu Is. (Gambier, Taravai) 20845
- V *Fitchia nutans* J.Hooker 20845  
V 20845 French Polynesia - Society Is. (Tahiti) 20845
- E *Fitchia speciosa* Cheesem. 19473  
E 19473 Cook Is. (Southern group) (Rarotonga) 19473
- V *Fitchia tahitensis* Nadeaud 20845  
V 20845 French Polynesia - Society Is. (Tahiti) 20845
- R *Flaveria floridana* J.R. Johnston 20850  
I 20850 U.S. - Florida 20850
- V *Flaveria maddougali* Theroux, Pinkava & Keil 20850  
V 20850 U.S. - Arizona 20850
- E *Fleischmannia allenii* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Fleischmannia chiriquensis* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Fleischmannia croatii* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Fleischmannia panamensis* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Fleischmannia tysonii* K. & R. 20883, 9006  
I 20883 Panama 20883
- R *Flourensia microphylla* (A.Gray) S.F. Blake 10358  
R 10358 Mexico - Coahuila 10358
- R *Flourensia solitaria* S.F. Blake 10358  
R 10358 Mexico - Coahuila 10358
- R *Fontquera pau* (Font Quer) Maire  
R Morocco
- V *Fulcaldea laurifolia* (Kunth) Poir 18200  
V 12468 Peru 18200
- E *Gaillardia aestivalis* (Cory) B.L. Turner var. *winkleri* (Cory) B.L. Turner 20850  
E 20850 U.S. - Texas 20850
- R *Gaillardia cabrera* Covas 16336  
R 20176 Argentina - La Pampa (Sierras de Lihúé Cate) 20176
- V *Gaillardia flava* Rydb. 20850  
V 20850 U.S. - Utah 20850
- V *Gaillardia parryi* Greene 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- R *Galatella saxatilis* Novopokr. 8001  
R former USSR (Tien Shan) 6930
- R *Galinsoga spellenbergii* B. Turner 12029  
R 14294 Mexico - Durango 12029
- V *Gerbera aurantiaca* (Cass.) Sch.Bip. 20604  
V 20604 South Africa - Natal 20604
- R *Gerbera wrightii* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- E *Glossarion bilabiatum* (Maguire) Pruski 20883  
I 20883 Venezuela 20883
- R *Glossogyne integrifolia* Gagnep. 19120  
R 19120 Thailand 19120
- V *Gnaphalium arizonicum* Gray 20883, 20850  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R *Gnaphalium griquense* Hilliard & B.L.Burt 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Natal 20604
- R *Gnaphalium helleri* Britt. var. *helleri* 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Arkansas 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Gnaphalium*

- I 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Louisiana 20850  
 I 20850 U.S. - Maryland 20850  
 I 20850 U.S. - Michigan 20850  
 I 20850 U.S. - Mississippi 20850  
 I 20850 U.S. - New Jersey 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - Oklahoma 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Texas 20850  
 I 20850 U.S. - Virginia 20850
- R** *Gnaphalium helleri* Britt. var. *micradenium* (Weatherby) Mahler 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Indiana 20850  
 Ex/E 20850 U.S. - Kentucky 20850  
 I 20850 U.S. - Louisiana 20850  
 I 20850 U.S. - Maine 20850  
 I 20850 U.S. - Maryland 20850  
 I 20850 U.S. - Massachusetts 20850  
 I 20850 U.S. - Michigan 20850  
 I 20850 U.S. - Minnesota 20850  
 I 20850 U.S. - Missouri 20850  
 I 20850 U.S. - New Hampshire 20850  
 I 20850 U.S. - New Jersey 20850  
 Ex/E 20850 U.S. - New York 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Virginia 20850  
 I 20850 U.S. - Wisconsin 20850
- R** *Gnaphalium leucopilinum* Schott & Kotschy ex Boiss. 12840  
 R 12840 Turkey 12840
- E** *Gnaphalium obtusifolium* L. var. *saxicola* (Fassett) & Cronq. 20850  
 E 20850 U.S. - Wisconsin 20850
- I** *Gnaphalium rosilense* Urban 5642  
 I Dominican Republic (La Vega, Loma Rosilla) 5642
- R** *Gnaphalium sandwicense* Gaud. 20850  
 I 20850 U.S. - Hawaii 20850
- R** *Gnaphalium sandwicense* Gaud. var. *hawaiiense* (O. Deg. & Sherff) W.L. Wagner, Herbst & Sohmer 20850  
 R 20850 U.S. - Hawaii 20850
- R** *Gnaphalium sandwicense* Gaudich. var. *sandwicense* 20850  
 R 20850 U.S. - Hawaii 20850
- R** *Gnaphalium simii* (Bolus) Hilliard & B.L. Burt 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Gochnatia ekmanii* (Urban) Jervis & Alain 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E** *Gochnatia gomezii* (Leon) Jervis & Alain 5607  
 E 19105 Cuba (Holguin) 5607
- V** *Gochnatia intertexta* (C. Wright) Jervis & Alain 5607  
 V 19105 Cuba (Pinar del Rio) 5607
- V** *Gochnatia maisiana* (Leon) Jervis & Alain 5607  
 V 19105 Cuba (Guantanamo) 5607
- E** *Gochnatia mantuensis* (C. Wright) Jervis & Alain 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- V** *Gochnatia montana* (Britton) Jervis & Alain 5607  
 V 19105 Cuba (Pinar del Rio) 5607
- V** *Gochnatia parvifolia* (Britton) Jervis & Alain 5607  
 V 19105 Cuba (Holguin) 5607
- E** *Gochnatia wilsoni* (Britton) Jervis & Alain 5607  
 E 19105 Cuba (Sancti Spiritus) 5607
- R** *Gonospermum canariense* Less. 15105  
 R 20750 Spain - Canary Is. 20750
- R** *Gonospermum elegans* (Cass.) DC.  
 R 15105 Spain - Canary Is. 15105
- V** *Gonospermum gomeræ* Bolle 19174  
 V 19174 Spain - Canary Is. 15105
- R** *Gratwickia monochaeta* F. Muell. 20681  
 R 20681 Australia - South Australia 20681
- V** *Grindelia fastigiata* Greene 20850  
 I 20850 U.S. - Colorado 20850  
 V 20850 U.S. - Utah 20850
- V** *Grindelia fraxinoprattensis* Reveal & Beatley 20850  
 E 20850 U.S. - California 20850  
 V 20850 U.S. - Nevada 20850
- R** *Grindelia howellii* Steyermark 20850  
 E 20850 U.S. - Idaho 20850  
 V 20850 U.S. - Montana 20850
- V** *Grindelia laciniata* Rydb. 20850  
 I 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Utah 20850
- E** *Grindelia latifolia* Kellogg 20850  
 I 20850 U.S. - California 20850
- V** *Grindelia oolepis* Blake 20850  
 V 20850 U.S. - Texas 20850
- E** *Grindelia paludosa* Greene 20850  
 I 20850 U.S. - California 20850
- R** *Grindelia procera* Greene 20850  
 I 20850 U.S. - California 20850
- R** *Grindelia pygmaea* Cabrera 16336  
 R 20176 Argentina - Rio Negro (Meseta de Somuncurá) 20176
- R** *Grindelia robusta* Nutt. 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Massachusetts 20850
- V** *Guardiola platyphylla* Gray 20883, 20850  
 I 20850 U.S. - Arizona 20850  
 I 20883 Mexico 20883
- I** *Gundlachia domingensis* (Spreng.) A. Grey 5642  
 I Dominican Republic (San Jose de Ocoa) 5642
- I** *Gundlachia ocoana* Urban & Ekman 5642  
 I Dominican Republic (San Jose de Ocoa) 5642
- V** *Gutierrezia petradoria* (Welsh & Goodrich) Welsh 20850  
 V 20850 U.S. - Utah 20850
- V** *Gynoxys laurifolia* (Kunth) Cass  
 V Ecuador
- E** *Gynoxys rimachiana* Cuatr. 20883  
 I 20883 Peru 20883
- R** *Gynura elliptica* Yabe & Hayata 20511  
 R 20511 Taiwan 20511
- I** *Gynura hispida* Thwaites 8021  
 I 16162 Sri Lanka (Nuwara Eliya District) 8021
- I** *Gynura sechellensis* (Baker) Hemsley 14296  
 I 19181 Seychelles (granitic) 14296
- E** *Gynura truncata* Kerr 19120

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Gynura*

- E 19120 Thailand 19120
- I** *Gynura zeylanica* Trimen 8021  
I 16162 Sri Lanka 8021
- R** *Haeckeria cassiniiformis* F.Muell. 20681  
R 20681 Australia - South Australia 20681
- R** *Haploesthes greggii* A.Gray var. *greggii* 9567  
R 19755 Mexico - Coahuila 9567
- E** *Haplopappus rigidus* Philippi 16336  
E 20176 Argentina - Salta 20176  
E 20176 Chile (Montañas de Antofagasta y Atacama) 19634
- E** *Haplopappus thiniicola* Rzedowski et Ezcurra 20883  
I 20883 Mexico 20883
- E** *Haplostephium passerina* Mart. ex DC. 20883  
I 20883 Brazil 20883
- V** *Hartwrightia floridana* Gray ex S.Watson 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- V** *Hazardia cana* (Gray) Greene 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- E** *Hazardia orcuttii* (Gray) Greene 20883, 20850, 8058  
E 20850 U.S. - California 20850  
I 20883 Mexico 20883
- R** *Hazardia stenolepis* (Hall) Hoover 20850  
I 20850 U.S. - California 20850
- E** *Hebeclinium knappii* K. & R. 20883  
I 20883 Panama 20883
- E** *Hebeclinium reedii* K. & R. 20883, 9006  
I 20883 Panama 20883
- R** *Helenium arizonicum* Blake 20850  
R 20850 U.S. - Arizona 20850
- E** *Helenium scaposum* Britton 5607  
E 19105 Cuba (Juventud Is.) 5607
- V** *Helenium thurberi* Gray 20883, 20850  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- V** *Helenium virginicum* Blake 20850  
V 20850 U.S. - Virginia 20850
- V** *Helianthella castanea* Greene 20850  
V 20850 U.S. - California 20850
- V** *Helianthus agrestis* Pollard 20850  
I 20850 U.S. - Florida 20850  
Ex/E 20850 U.S. - Georgia 20850
- E** *Helianthus carnosus* Small 20850  
E 20850 U.S. - Florida 20850
- R** *Helianthus debilis* Nutt. ssp. *tardiflorus*  
Heiser 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Mississippi 20850
- V** *Helianthus debilis* Nutt. ssp. *vestitus* (E.E. Wats.) Heiser 20850  
V 20850 U.S. - Florida 20850
- V** *Helianthus deserticola* Heiser 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Nevada 20850  
20850 U.S. - Utah 20850
- V** *Helianthus eggertii* Small 20850  
E 20850 U.S. - Alabama 20850
- V 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Tennessee 20850
- R** *Helianthus glaucophyllus* D.M. Sm. 20850  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850
- R** *Helianthus longifolius* Pursh 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - North Carolina 20850
- V** *Helianthus neglectus* Heiser 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R** *Helianthus niveus* (Benth.) Brandegee ssp. *tephrodes*  
(Gray) Heiser 20883, 20850, 8058  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850  
I 20883 Mexico 20883
- Ex/E** *Helianthus nuttallii* Torr. & A.Gray ssp. *parishii*  
(Gray) Heiser 20850  
Ex/E 20850 U.S. - California 20850
- V** *Helianthus occidentalis* Riddell ssp. *plantagineus*  
(Torr. & Gray) Shinnars 20850  
E 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Louisiana 20850  
? 20850 U.S. - Mississippi 20850  
I 20850 U.S. - Texas 20850
- V** *Helianthus paradoxus* Heiser 20850  
I 20850 U.S. - Indiana 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- E** *Helianthus praecox* Torr. & A.Gray ssp. *hirtus*  
(Heiser) Heiser 20850  
E 20850 U.S. - Texas 20850
- V** *Helianthus praecox* Torr. & A.Gray ssp. *praecox* 20850  
V 20850 U.S. - Texas 20850
- Ex/E** *Helianthus praetermissus* E.E. Wats. 20850, 14662  
Ex/E 20850 U.S. - New Mexico 20850
- V** *Helianthus schweinitzii* Torr. & Gray 20850  
V 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850
- R** *Helianthus smithii* Heiser 20850  
V 20850 U.S. - Alabama 20850  
Ex/E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Tennessee 20850
- R** *Helichrysum acervatum* S. Moore 7754  
R Zimbabwe (Chimanimani) 7754
- R** *Helichrysum aciculare* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- I** *Helichrysum alticum* Bolus 20604  
I 20604 South Africa - Cape Province 20604
- E** *Helichrysum alucense* G.Casanova, Scholz & Hernández 20750  
E 20750 Spain - Canary Is. 20750
- R** *Helichrysum amorginum* Boiss. & Orph. 20171  
R 20731 Greece (Cyclades) 20731
- R** *Helichrysum amplexens* Hilliard 20604  
R 20604 South Africa - Natal 20604
- R** *Helichrysum artvinense* Davis & Kupicha 12840  
R 12840 Turkey 12840



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Helichrysum*

- I** *Helichrysum aureum* (Houtt.) Merr. var. *argenteum*  
Hilliard 20604  
I 20604 South Africa - Natal 20604  
I 20604 South Africa - Transvaal 20604
- I** *Helichrysum biaufranum* Hook.f.  
I Cameroon (Cameroon mt & Buea)
- R** *Helichrysum brassii* Brenan var. *tenellum*  
Brenan 7849  
R Malawi 7849
- R** *Helichrysum bullulatum* S. Moore 7757  
R Malawi (Mlanje) 7757
- V** *Helichrysum chasmolycicum* Davis 12840  
V 12840 Turkey 12840
- E** *Helichrysum citricephalum* Hilliard & B.L.Burt 20604  
E 20604 South Africa - Natal 20604
- R** *Helichrysum compactum* Boiss. 12840  
R 12840 Turkey 12840
- R** *Helichrysum cutchicum* (C.B. Clarke) R. Rao & Deshp.  
R 13883 India - Gujarat 13883
- R** *Helichrysum dichroolepis* Brenan 7849  
R Malawi 7849
- E** *Helichrysum dimorphum* Cockayne 86  
E 19305 New Zealand - South Is. 19305
- V** *Helichrysum doerfleri* Rech.f. 20171  
V 20730 Greece - Crete 20730
- R** *Helichrysum flammeiceps* Brenan 7849  
R Malawi 7849
- I** *Helichrysum fourcadei* Hilliard 20604  
I 20604 South Africa - Cape Province 20604
- V** *Helichrysum gossypinum* Soh. Bip. 10260  
V 15105 Spain - Canary Is. 10260
- I** *Helichrysum haygarthii* Bolus 20604  
I 20604 South Africa - Natal 20604  
I 20604 South Africa - Orange Free State 20604
- V** *Helichrysum heldreichii* Boiss. 20171  
V 20730 Greece - Crete 20730
- R** *Helichrysum heywoodianum* Davis 12840  
R 12840 Turkey 12840
- R** *Helichrysum incarnatum* DC. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Helichrysum ingomense* Hilliard 20604  
I 20604 South Africa - Natal 20604
- R** *Helichrysum jubilatum* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- R** *Helichrysum lindsayanum* Domin 20681  
R 20681 Australia - Queensland 20681
- R** *Helichrysum maestum* Wild 7754  
R Zimbabwe (Chimanimani) 7754
- R** *Helichrysum mauritanum* A.J. Scott 10082  
R 20771 Mauritius 10082
- R** *Helichrysum monizii* Lowe  
R Portugal - Madeira
- V** *Helichrysum monogynum* B.L. Burt & Sunding 20750  
V 20750 Spain - Canary Is. 20750
- R** *Helichrysum montelinasanum* Schmid 18264  
R 18264 Italy - Sardinia 18264
- R** *Helichrysum nimmoanum* Oliver & Hiern 15534  
R 15534 Yemen - Socotra 15534
- I** *Helichrysum outeniquense* Hilliard 20604  
I 20604 South Africa - Cape Province 20604
- R** *Helichrysum perlanigerum* Gamble 11494  
R 11494 India - Tamil Nadu 11494
- E** *Helichrysum peshmenianum* Erik 12840  
E 12840 Turkey 12840
- R** *Helichrysum rosulatum* Oliver & Hiern 15534  
R 15534 Yemen - Socotra 15534
- I** *Helichrysum saxicola* Hilliard 20604  
I 20604 South Africa - Cape Province 20604
- R** *Helichrysum selago* (Hook. f.) Benth & Hook. f. var. *tumidum* Cheeseman  
R New Zealand - South Is.
- V** *Helichrysum sibthorpii* Rouy 8000, 20171  
V Greece (north east - Athos) 8000
- E** *Helichrysum sonogynum* B. L. Burt. & Sunding 15105  
E 15105 Spain - Canary Is. 15105
- R** *Helichrysum sordidum* S. Moore 7757  
R Malawi (Mlanje) 7757
- R** *Helichrysum taenari* Rothm. 8000, 20171  
R Greece (north-east) 8000
- I** *Helichrysum tricostatum* (Thunb.) Less. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Helichrysum whyteanum* Britten 7757  
R Malawi 7757
- I** *Helichrysum wightii* Clarke ex Hook.f. 2268  
I India - Tamil Nadu 2268
- R** *Helichrysum woodii* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- R** *Helichrysum yuccifolium* (Lam.) DC. 10082  
R 20771 Mauritius 10082
- I** *Heliocauta atlanticus* (Litard. & Maire) Humphries  
I Morocco 9204
- E** *Heliomeris soliceps* (Barneby) Yates 20850  
E 20850 U.S. - Utah 20850
- E** *Hemizonia arida* Keck 20850  
E 20850 U.S. - California 20850
- V** *Hemizonia australis* (Keck) Keck 20850  
V 20850 U.S. - California 20850  
? Mexico 20883
- V** *Hemizonia calyculata* (Babcock & Hall) Keck 20850  
I 20850 U.S. - California 20850
- V** *Hemizonia congesta* DC. 20850  
I 20850 U.S. - California 20850
- V** *Hemizonia congesta* DC. ssp. *vernalis* (Keck) Tanowitz 20850  
V 20850 U.S. - California 20850
- E** *Hemizonia conjugens* Keck 20850  
E 20850 U.S. - California 20850
- R** *Hemizonia corymbosa* (DC.) Torr. & Gray 20850  
I 20850 U.S. - California 20850
- R** *Hemizonia floribunda* Gray 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- E** *Hemizonia halliana* Keck 20850  
E 20850 U.S. - California 20850
- E** *Hemizonia increscens* Tanowitz ssp. *villosa* Tanowitz 20850  
E 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Hemizonia*

- V *Hemizonia laevis* (Keck) Keck 20850  
I 20850 U.S. - California 20850
- V *Hemizonia minthornii* Jepson 20850  
V 20850 U.S. - California 20850
- E *Hemizonia mohavensis* Keck 20850, 14662  
E 20850 U.S. - California 20850
- E *Hemizonia parryi* Greene ssp. *congdonii* (Robins. & Greenm.) Keck 20850  
E 20850 U.S. - California 20850
- V *Hemizonia pentactis* (Keck) Keck 20850  
I 20850 U.S. - California 20850
- V *Hemizonia tracyi* (Babcock & Hall) Keck 20850  
I 20850 U.S. - California 20850
- E *Heptanthus brevipes* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V *Heptanthus cochlearifolius* Griseb. 5607  
V 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- V *Heptanthus yumuriensis* Borh. 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Herrickia horrida* Woot. & Standl. 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - New Mexico 20850
- V *Hesperevax caulescens* (Benth.) Gray 20850  
I 20850 U.S. - California 20850
- E *Hesperomannia arborescens* Gray 20850, 21357  
E 20850 U.S. - Hawaii 20850
- E *Hesperomannia arborescens* A. Gray ssp. *arborescens* 14209  
E 14209 U.S. - Hawaii (O'ahu, Moloka'i) 14209
- E *Hesperomannia arbuscula* Hbd. 20850  
E 20850 U.S. - Hawaii 20850
- E *Hesperomannia arbuscula* Hillebrand ssp. *arbuscula* 14209  
E 14209 U.S. - Hawaii (O'ahu, Maui) 14209
- E *Hesperomannia lydgatei* Forbes 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- R *Heteropappus hispidus* (Thunb.) Less. ssp. *insularis* (Makino) Kitam. 10573  
R 10573 Japan 10573
- R *Heteropappus koidzumianus* Kitam. 10573  
R 10573 Japan 10573
- R *Heteropappus leptocladus* Matsum. 10573  
R 10573 Japan 10573
- R *Heteroplexis microcephala* Y.L. Chen 17617  
R 17617 China - Guangxi (Yangsu) 11139
- R *Heteroplexis sericophylla* Y.L. Chen 11139  
R China - Guangxi (Yangsu) 11139
- R *Heteroplexis vernonioides* C.C. Chang 11139  
R China - Guangxi (Longzhou) 11139
- V *Heterotheca barbata* (Rydb.) Semple 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Washington 20850
- V *Heterotheca bolanderi* (Gray) Harms 20850  
I 20850 U.S. - California 20850
- V *Heterotheca camphorata* (Eastw.) Harms 20850  
I 20850 U.S. - California 20850
- V *Heterotheca jonesii* (Blake) Welsh & Atwood 20850  
V 20850 U.S. - Utah 20850
- V *Heterotheca rutteri* (Rothrock) Shinnars 20850  
V 20850 U.S. - Arizona 20850
- V *Heterotheca villosa* (Pursh) Shinnars var. *depressa* (Rydb.) Harms 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V *Heterotheca viscida* (Gray) Harms 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Texas 20850
- V *Heterotheca zionensis* Semple 20850  
E 20850 U.S. - Utah 20850
- V *Hieracium argutum* Nutt. 20850  
I 20850 U.S. - California 20850
- R *Hieracium argyrocomum* (Fr.) Zahn 20171  
R Spain
- E *Hieracium chaunotrichum* (Bornm. et Zahn) Holub 2050  
E 2050 Czech Republic 2050
- V *Hieracium eriophorum* St.-Amans 20171  
V 20528 France (south-west) 20528
- R *Hieracium fredesianum* Mateo 20699  
R 20692 Spain (Puertos Torosa and Beciete) 20692
- E *Hieracium irasuense* Benth. 20883, 10747  
I 20883 Panama 20883
- E *Hieracium lemmonii* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- R *Hieracium morii* Hayata 20511  
R 20511 Taiwan 20511
- R *Hieracium pinanense* Kitamura 20511  
R 20511 Taiwan 20511
- Ex *Hieracium purkynae* Celak 19839  
Ex 2050 Czech Republic 2050  
Ex 6936 Slovakia 6936
- E *Hieracium robinsonii* (Zahn) Fern. 20850  
I 20850 Canada - New Brunswick 20850  
I 20850 Canada - Newfoundland 20850  
I 20850 Canada - Nova Scotia 20850  
I 20850 Canada - Prince Edward Is. 20850  
E 20850 Canada - Quebec 20850  
Ex/E 20850 U.S. - Maine 20850  
E 20850 U.S. - New Hampshire 20850
- V *Hieracium rusbyi* Greene 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E *Hieracium scabrum* Michx. var. *leucocaule* Fern. & St. John 20850, 14394  
E 20850 Canada - Nova Scotia 20850
- E *Hieracium texedense* Pau  
E 19818 Spain (Málaga, Sierra de Tejada) 11496
- I *Hieracium vahlii* Froel. 20171  
I Spain
- R *Hieracium valentinum* Arv.-Touv. & E. Rev. ex Willk. 19174, 20171  
R 19174 Spain (east) 20692
- E *Holocarpa macradenia* (DC.) Greene 20850  
E 20850 U.S. - California 20850
- V *Holocarpa virgata* (Gray) Keck ssp. *elongata* Keck 20850  
V 20850 U.S. - California 20850
- V *Hulsea brevifolia* Gray 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Hulsea*

- I 20850 U.S. - California 20850
- V *Hulsea californica* Torr. & Gray 20850  
I 20850 U.S. - California 20850
- R *Hulsea vestita* Gray ssp. *callicarpa* (Hall) Wilken 20850  
R 20850 U.S. - California 20850
- R *Hulsea vestita* Gray ssp. *gabrielensis* Wilken 20850  
R 20850 U.S. - California 20850
- V *Hulsea vestita* Gray ssp. *inyoensis* (Keck) Wilken 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R *Hulsea vestita* Gray ssp. *parryi* (Gray) Wilken 20850  
R 20850 U.S. - California 20850
- R *Hydropectis stevensii* McVaugh 10354  
R 19755 Mexico 10354
- V *Hymenopappus carrizoanus* B.L. Turner 20850  
V 20850 U.S. - Texas 20850
- V *Hymenostemma pseudanthemis* (Kunze) Willk. 17891, 20171  
V 11496 Spain (Malaga, Cádiz) 20664
- R *Hymenothrix loomisii* Blake 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Hymenothrix wislizeni* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- V *Hymenoxys acaulis* (Pursh) K. Parker var. *glabra* (Gray) K. Parker 14352  
V 13967 Canada - Ontario 10764  
Ex 13967 U.S. - Illinois 10764  
E 19002 U.S. - Ohio 10764
- R *Hymenoxys brachyactis* Woot. & Standl. 20850  
R 20850 U.S. - New Mexico 20850
- R *Hymenoxys helenioides* (Rydb.) Cockerell 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Utah 20850
- E *Hymenoxys lapidicola* Welsh & Neese 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- R *Hymenoxys lemmonii* (Greene) Cockerell 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Utah 20850
- V *Hymenoxys texana* (Coul. & Rose) Cockerell 20850  
V 20850 U.S. - Texas (nr Houston, Harris Co.) 20850
- V *Hymenoxys vaseyi* (Gray) Cockerell 20850  
V 20850 U.S. - New Mexico 20850
- R *Hyoseris taurina* (Pamp.) Martinoli 20171  
R Italy - Sardinia
- V *Hypochoeris claryi* Battand. 10488  
V 14958 Algeria 10488
- R *Hypochoeris crepidioides* Tawet. & Kitam. 10573  
R 10573 Japan 10573
- E *Hypochoeris oligocephala* (Svent. & D. Bramwell) Lack 14166  
E 15105 Spain - Canary Is. 15105
- R *Hypochoeris rutea* Talav.  
R 11496 Spain (Cordoba) 11496
- R *Hypochoeris saldensis* Battand. 10488  
R 14958 Algeria 10488
- R *Hysterionica aconquijana* Lillo 16336  
R 16336 Argentina 16336
- V *Ichthyothere granvillei* H. Robinson 20883  
I 20883 Guyana 20883
- I *Ifloga obovata* Bolle  
I 15105 Spain - Canary Is. 15105
- R *Inula fragilis* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R *Inula helenium* L. ssp. *vanensis* Grierson 12840  
R 12840 Turkey 12840
- R *Inula helvetica* Weber 20171  
I France  
V Germany  
R Italy  
V Spain  
V 18154 Switzerland 18154
- R *Inula kalapani* C.B. Clarke 11494  
R 11494 India - Meghalaya (Khasi hills) 11494
- R *Inula macrocephala* Boiss. & Kotschy ex Boiss. 12840  
R 12840 Turkey 12840
- R *Inula oxylepis* Hausskn. 20171  
R Greece
- R *Inula pseudolimonella* (Rech.f.) Rech.f. 20171  
R 20730 Greece - Crete 20730
- V *Inula racemosa* Hook. f. 13883  
V 13883 India - Jammu & Kashmir 13883
- R *Inula rotundifolia* (Halácsy) Greuter 20171  
R Greece
- R *Inula sarana* Boiss. 12840  
R 12840 Turkey 12840
- V *Inula sechmenii* Hardvig & Strid 12840  
V 12840 Turkey 12840
- R *Inula serpentinica* Rech.f. & Goulimy 20171  
R Greece
- R *Inula subfloccosa* Rech.f. 20171  
R Greece
- E *Ionactis caelestis* Leary & Nesom 20850  
E 20850 U.S. - Nevada 20850
- R *Iostephane trilobata* Hemsley 9004  
R 19755 Mexico 9004
- R *Iphiaonia maris-mortui* Feinbrun 8896  
R Israel (Dead Sea area) 8896
- V *Isocarpha glabrata* Blake 5607  
V 19105 Cuba (Camaguey) 5607
- E *Isocoma arguta* Greene 20850  
E 20850 U.S. - California 20850
- E *Isocoma humilis* Nesom 20850  
E 20850 U.S. - Utah 20850
- V *Isocoma pluriflora* (Torr. & Gray) Greene 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Isocoma*

- I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Colorado 20850  
 I 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Texas 20850
- R *Iva nevadensis* M.E. Jones 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- V *Iva texensis* R.C. Jackson 20850  
 I 20850 U.S. - Texas 20850
- V *Ixeris dentata* Nakai ssp. *kitayamensis*  
 Murata 10573  
 V 10573 Japan 10573
- E *Ixeris dentata* Nakai ssp. *nipponica*  
 Kitam. 10573  
 E 10573 Japan 10573
- V *Ixeris longirostrata* (Hayata) Nakai 8038  
 V 19134 Japan - Ogasawara-shoto 8038
- I *Ixeris reparia* (Kerr) Stebbins 19120  
 I 19120 Thailand 19120
- R *Ixeris tamagawaensis* (Makino) Kitam. 10573  
 R 10573 Japan 10573
- R *Ixeris transnokoensis* (Sasaki) Kitamura 20511  
 R 20511 Taiwan 20511
- R *Ixiolaena pluriseta* Haegi 20681  
 R 20681 Australia - South Australia 20681
- V *Ixodia achillaeoides* R.Br. ssp. *arenicola*  
 Copley 20681  
 I 20681 Australia - South Australia 20681  
 I 20681 Australia - Victoria 20681
- E *Jaegeria bellidiflora* (Moc. & Ses.) Torres & Beaman 9571  
 E 9571 Mexico 9571
- R *Jamesianthus alabamensis* Blake & Sherff 20850  
 R 20850 U.S. - Alabama 20850
- R *Jasonia hesperia* Maire & Wilczek  
 R Morocco
- R *Jurinea brevicaulis* Boiss. 12840  
 R 12840 Turkey 12840
- V *Jurinea cypria* Boiss. 14230  
 V 19164 Cyprus (Troodos) 14230
- R *Jurinea elegantissima* Iljin  
 R former USSR 6930
- R *Jurinea eximia* Tek. 5942  
 R 5942 Kazakhstan (south) 5942
- I *Jurinea fedtschenkoana* Iljin 5942  
 I 5942 Kazakhstan (west) 5942
- V *Jurinea fontqueri* Cuatrec. 8000, 20171  
 V 20874 Spain (Sierra de Mágina) 20874
- I *Jurinea glycacantha* (Sibth. & Sm.) DC. 20171  
 I 19321 Slovakia 19321
- I *Jurinea karatavica* Iljin  
 I former USSR 6930
- R *Jurinea lydiae* Iljin  
 R former USSR 6930
- R *Jurinea mollis* (L.) Reichenb. ssp. *transsilvanica*  
 (Sprengel) Hayek 17823  
 R 19949 Romania 20631
- Ex/E *Jurinea mugodsharica* Iljin 5942  
 Ex/E 5942 Kazakhstan (west) 5942
- R *Jurinea robusta* Schrenk 5942  
 R 5942 Kazakhstan (south-east) 5942
- R *Jurinea taygetea* Halácsy 20171  
 V 19426 Bulgaria 19426  
 R Greece
- R *Kalimeris shimadai* (Kitamura) Kitamura 20511  
 R 20511 Taiwan 20511
- V *Kleinia saginata* P. Halliday 20146  
 V 20146 Oman (Dhofar) 20146
- I *Kleinia scottii* (Balf. f.) Chiov. 15534  
 I 15534 Yemen - Socotra 15534
- E *Koanophyllon dolphinii* (Urban) R. King & H. Robinson 20883  
 E 20883 Jamaica 20883
- E *Koanophyllon dukei* K. & R. 20883, 9006  
 I 20883 Panama 20883
- V *Koanophyllon gracilipes* (Urban) R. King & H. Robinson 20883  
 V 20883 Jamaica 20883
- R *Koanophyllon simile* (Proctor) R. King & H. Robinson 20883  
 R 20883 Jamaica 20883
- V *Koehneola repens* (Griseb.) Urban 5607  
 V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R *Krigia montana* (Michx.) Nutt. 20850  
 R 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Tennessee 20850
- E *Lachanodes arborea* (Roxb.) Nordenstam 18996  
 E 18996 St Helena 18996
- E *Lactuca benthamii* C.B. Clarke 11494  
 E 11494 India - Jammu & Kashmir (Kashmir) 11494
- E *Lactuca cooperi* Anthony 11494  
 E 11494 India - Sikkim 11494
- E *Lactuca filicina* Duthie ex Stebb. 11494  
 E 11494 India - Uttar Pradesh (Kali Valley, Kumaon) 11494
- I *Lactuca herbatica* Burchard  
 I 15105 Spain - Canary Is. 15105
- R *Lactuca livida* Boiss. & Reut. 20171  
 R Spain
- R *Lactuca longidentata* Moris ex DC. 20171  
 R Italy - Sardinia
- R *Lactuca mira* Pavlov 8001  
 R Asiatic U.S.S.R. (Tien Shan) 6930
- V *Lactuca palmensis* Bolle 20750  
 V 15105 Spain - Canary Is. 15105
- R *Lactuca perennis* L. var. *granatensis* Charpin & Fernandez Casas 15398  
 R Spain
- I *Lactuca takhtadzhianii* Sosn. 5942  
 I 5942 Armenia 5942
- E *Lactuca terrae-novae* Fern. 20850, 14366  
 E 20850 Canada - Newfoundland 20850
- V *Lactuca tetrantha* B.L. Burt & P.H. Davis 14230  
 V 19164 Cyprus (Troodos) 14230
- E *Lactuca undulata* Ledeb. 11494  
 E 11494 India - Jammu & Kashmir (Kashmir) 11494

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Lactuca*

- R** *Lactuca watsoniana* Trel. 8000, 20171  
**R** 19174 Portugal - Azores 8000
- V** *Lactucosonchus webbii* (Schultz Bip.) Svent. 20750  
**V** 20750 Spain - Canary Is. 15105
- V** *Laennecia eriophylla* (Gray) Nesom 20850  
**V** 20850 U.S. - Arizona 20850
- E** *Lagenifera erici* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Lagenifera helenae* Forbes & Lydgate 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Lagenifera maviensis* Mann 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- E** *Lagenifera minuscula* Cuatr. 20883  
**I** 20883 Panama 20883
- E** *Lagenifera panamensis* Blake 20883  
**I** 20883 Panama 20883
- E** *Lagenifera sakirana* Cuatr. 20883  
**I** 20883 Costa Rica 20883
- E** *Lagenifera westonii* Cuatr. 20883  
**I** 20883 Costa Rica 20883
- V** *Lagenophora neocaledonica* S.Moore 20893  
**V** 20893 New Caledonia 20893
- E** *Lagoseris purpurea* (Willd.) Boiss. 5942, 20171  
**E** 20655 Ukraine - Crimea 5942
- I** *Lamyropappus schakaptaricus* (B. Fedtsch.) Knorr. & Tamam. 5942  
**I** 5942 Kazakhstan 5942  
**I** 5942 Kyrgyzstan 5942  
**I** 5942 Uzbekistan 5942
- R** *Lamyropsis carpini* Greuter  
**R** Greece
- R** *Lamyropsis lycia* Kupicha 12840  
**R** 12840 Turkey 12840
- E** *Lamyropsis microcephala* (Moris) Dittrich & Greuter 8000, 20171  
**E** 18264 Italy - Sardinia (Mte Bruncu Spinu) 19997
- V** *Lantanopsis tomentosa* Borh. & Moncada 5607  
**V** 19105 Cuba (Granma; Santiago de Cuba) 5607
- R** *Lapsana takasei* (Sasaki) Kitamura 20511  
**R** 20511 Taiwan 20511
- E** *Lasiantha nowickeana* D'Arcy 20883, 9006  
**I** 20883 Panama 20883
- R** *Lasiopogon minutus* (B.Nord.) Hilliard & B.L.Burt 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Lasthenia burkei* (Greene) Greene 20850  
**E** 20850 U.S. - California 20850
- R** *Lasthenia chrysantha* (Greene ex Gray) Greene 20850  
**I** 20850 U.S. - California 20850
- E** *Lasthenia conjugens* Greene 20850  
**E** 20850 U.S. - California 20850
- R** *Lasthenia debilis* (Greene ex Gray) Ornduff 20850  
**I** 20850 U.S. - California 20850
- V** *Lasthenia glabrata* Lindl. ssp. *coulteri* (Gray) Ornduff 20850  
**V** 20850 U.S. - California 20850
- R** *Lasthenia leptalea* (Gray) Ornduff 20850  
**R** 20850 U.S. - California 20850
- V** *Lasthenia macrantha* (A.Gray) Greene ssp. *prisca* Ornduff 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Lasthenia maritima* (Gray) Ornduff 20850  
**V** 20850 Canada - British Columbia 20850  
**R** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Lasthenia platycarpa* (Gray) Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Launaea anomala* (Battand.) Maire 10488  
**V** 14958 Algeria 10488
- I** *Launaea viminea* (Battand.) Maire  
**I** Morocco
- E** *Layia carnosae* (Nutt.) Torr. & Gray 20850  
**E** 20850 U.S. - California 20850
- V** *Layia discoidea* (Keck) Keck 20850  
**V** 20850 U.S. - California 20850
- Ex/E** *Layia heterotricha* (DC.) Hook. & Arn. 20850  
**Ex/E** 20850 U.S. - California 20850
- V** *Layia hieracioides* (DC.) Hook. & Arn. 20850  
**I** 20850 U.S. - California 20850
- E** *Layia jonesii* Gray 20850  
**E** 20850 U.S. - California 20850
- E** *Layia leucopappa* Keck 20850  
**E** 20850 U.S. - California 20850
- R** *Layia munzii* Keck 20850  
**V** 20850 U.S. - California 20850
- R** *Layia paniculata* Keck 20850  
**I** 20850 U.S. - California 20850
- R** *Layia pentachaeta* Gray 20850  
**I** 20850 U.S. - California 20850
- V** *Layia septentrionalis* Keck 20850  
**V** 20850 U.S. - California 20850
- V** *Layia ziegleri* Munz 20850  
**I** 20850 U.S. - California 20850
- E** *Lecocarpus darwinii* Adersen 5670  
**E** 14980 Ecuador - Galapagos (San Cristobal) 11117
- E** *Lecocarpus lecocarpoides* (Rob. & Gr.) Cronq. & Stuessy 5670  
**E** 14980 Ecuador - Galapagos (incl. Espanola) 11117
- V** *Lecocarpus pinnatifidus* Decne. 11117  
**V** 14980 Ecuador - Galapagos (Floreana) 11117
- V** *Lembertia condonii* (Gray) Greene 20850  
**V** 20850 U.S. - California 20850
- R** *Leontodon eriopus* Emberger & Maire  
**R** Morocco
- R** *Leontodon farinosus* Merino & Pau 20171  
**R** Spain
- R** *Leontodon garnironii* Emberger & Maire  
**R** Morocco
- R** *Leontodon microcephalus* (Boiss. ex DC.) Boiss. 8000, 20171  
**R** 20874 Spain (Granada, Sierra Nevada) 20660
- R** *Leontopodium fauriei* Hand.-Mazz. var. *angustifolium* Hara 10573  
**R** 10573 Japan 10573

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Leontopodium*

- R** *Leontopodium fauriei* Hand.-Mazz. var. *fauriei* 10573  
**R** 10573 Japan 10573
- R** *Leontopodium hayachinense* Hara & Kitam. var. *hayachinense* 10573  
**R** 10573 Japan 10573
- R** *Leontopodium hayachinense* Hara & Kitam. var. *miyabeaenum* Watan. 10573  
**R** 10573 Japan 10573
- R** *Leontopodium japonicum* Miq. var. *perniveum* Kitam. 10573  
**R** 10573 Japan 10573
- R** *Leontopodium shinanense* Kitam. 10573  
**R** 10573 Japan 10573
- I** *Lepidolopha fedtschenkoana* Knorr. 5942  
**I** 5942 Turkmenistan 5942  
**I** 5942 Uzbekistan 5942
- R** *Lepidolopha karatavica* Pavlov 5942  
**R** 5942 Kazakhstan (south) 5942
- V** *Lepidospartum burgessii* B.L. Turner 20850  
**E** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850
- R** *Leptinella albida* 19305  
**R** 19305 New Zealand - South Is. 19305
- E** *Leptinella dioica* ssp. *monoica* 19305  
**E** 19305 New Zealand - North Is. 19305
- V** *Leptinella featherstonii* 19305  
**V** 19305 New Zealand - Chatham Is. 19305
- E** *Leptinella nana* 19305  
**E** 19305 New Zealand - North Is. 19305  
**E** 19305 New Zealand - South Is. 19305
- R** *Leptinella pyrethrifolia* var. *linearifolia* 19305  
**R** 19305 New Zealand - South Is. 19305
- R** *Leptinella rotundata* 19305  
**R** 19305 New Zealand - North Is. 19305
- V** *Leptorhynchus gatesii* (Williamson) J.H. Willis 20681, 5465  
**V** 20681 Australia - Victoria 20681
- E** *Lessingia germanorum* Cham. 20850  
**E** 20850 U.S. - California 20850
- E** *Lessingia germanorum* Cham. var. *germanorum* 20850  
**E** 20850 U.S. - California 20850
- V** *Lessingia glandulifera* A.Gray var. *tomentosa* (Greene) Ferris 20850  
**E** 20850 U.S. - California 20850
- R** *Lessingia hololeuca* Greene 20850  
**R** 20850 U.S. - California 20850
- R** *Lessingia lemmonii* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Lessingia micradenia* Greene var. *glabrata* (Keck) Ferris 20850  
**V** 20850 U.S. - California 20850
- V** *Lessingia micradenia* Greene var. *micradenia* 20850  
**V** 20850 U.S. - California 20850
- R** *Lessingia ramulosa* Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Lessingia virgata* Gray 20850  
**I** 20850 U.S. - California 20850
- V** *Leucanthemum burnatii* Briq. & Cavill. 20171  
**V** 20528 France (Alps) 20528
- R** *Leucanthemum chloroticum* A.Kern. & Murb. 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- V** *Leucanthemum corsicum* (Lessing) DC. ssp. *fenzlii* Gamisans 20528  
**V** 20528 France - Corsica 20528
- R** *Leucanthemum hosmariense* (Ball) Font Quer  
**R** Morocco
- E** *Leucochrysum albicans* (Cunn.) Paul G. Wilson var. *tricolor* (DC.) Paul G. Wilson 20681  
**E** 20681 Australia - Tasmania 20681
- R** *Leucochrysum graminifolium* (Paul G. Wilson) Paul G. Wilson 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Leuzea longifolia* Hoffmanns. & Link 8000, 20171  
**E** 20076 Portugal 8000
- V** *Leuzea rhaponticoides* Graells 15846, 20171  
**E** 20076 Portugal 20076  
**V** 15846 Spain 15846
- V** *Liabum amplexicaule* Poeppig 18200  
**V** 9446 Peru 18200
- V** *Liatis bracteata* Gaiser 20850  
**V** 20850 U.S. - Texas 20850
- V** *Liatis cymosa* (H. Ness) K. Schum. 20850  
**V** 20850 U.S. - Texas 20850
- V** *Liatis garberi* Gray 20850  
**I** 20850 U.S. - Florida 20850
- E** *Liatis helleri* Porter 20850  
**E** 20850 U.S. - North Carolina 20850
- R** *Liatis ohlingeriae* (Blake) B.L. Robins. 20850, 17890  
**R** 20850 U.S. - Florida (Polk & Highland Co.) 20850
- V** *Liatis provincialis* Godfrey 20850  
**I** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850
- R** *Liatis scariosa* (L.) Willd. var. *novae-angliae* Lunell 20850  
**I** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Connecticut 20850  
**E** 20850 U.S. - Maine 20850  
**I** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - New Hampshire 20850  
**Ex/E** 20850 U.S. - New Jersey 20850  
**V** 20850 U.S. - New York 20850  
**Ex/E** 20850 U.S. - Pennsylvania 20850  
**E** 20850 U.S. - Rhode Is. 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Liatis tenuis* Shimmers 20850  
**E** 20850 U.S. - Louisiana 20850  
**V** 20850 U.S. - Texas 20850
- R** *Liatis turgida* Gaiser 20850  
**I** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Georgia 20850  
**Ex/E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Virginia 20850  
**E** 20850 U.S. - West Virginia 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Liatris*

- R** *Ligularia kojimae* Kitamura 20511  
R 20511 Taiwan 20511
- R** *Ligularia taquetii* Nakai 15957  
R 15923 Korea, South (Jeju-do) 15957
- Ex/E** *Lipochaeta bryanii* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- R** *Lipochaeta connata* (Gaudich.) DC. var. *connata* 20850, 14209  
I 20850 U.S. - Hawaii 20850
- Ex/E** *Lipochaeta degeneri* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Molokai) 20850
- E** *Lipochaeta fauriei* Levl. 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Lipochaeta heterophylla* A.Gray 20850  
I 20850 U.S. - Hawaii 20850
- E** *Lipochaeta kamolensis* O. Deg. & Sherff 20850, 14209  
E 20850 U.S. - Hawaii (Maui) 20850
- V** *Lipochaeta lobata* (Gaud.) DC. 20850  
I 20850 U.S. - Hawaii 20850
- E** *Lipochaeta lobata* (Gaudich.) DC. var. *leptophylla*  
O. Deg. & Sherff 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- V** *Lipochaeta lobata* (Gaudich.) DC. var. *lobata* 20850, 14209  
V 20850 U.S. - Hawaii 20850
- E** *Lipochaeta micrantha* (Nutt.) Gray 20850, 14209  
I 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Lipochaeta micrantha* (Nutt.) A.Gray var. *exigua*  
(O. Deg. & Sherff) R.C. Gardner 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Lipochaeta micrantha* (Nutt.) A.Gray var. *micrantha* 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E** *Lipochaeta ovata* R.C. Gardner 20850, 14301  
Ex/E 20850 U.S. - Hawaii (Oahu) 20850
- Ex/E** *Lipochaeta perditia* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Ni'ihau - Kawaihoa Pt) 20850
- E** *Lipochaeta remyi* Gray 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- R** *Lipochaeta rockii* Sherff 20850  
R 20850 U.S. - Hawaii 20850
- R** *Lipochaeta subcordata* Gray 20850, 14209  
I 20850 U.S. - Hawaii 20850
- R** *Lipochaeta succulenta* (Hook. & Arn.) DC. 20850  
R 20850 U.S. - Hawaii 20850
- E** *Lipochaeta tenuifolia* Gray 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- V** *Lipochaeta tenuis* O. Deg. & Sherff 20850  
V 20850 U.S. - Hawaii 20850
- V** *Lipochaeta tenuis* Degener & Sherff var. *tenuis* 14209  
V 14209 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 14209
- E** *Lipochaeta venosa* Sherff 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Lipochaeta waimeaensis* St. John 20850, 14209
- E** 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E** *Logfia neglecta* (Soy.-Will.) Holub 8000, 20171  
Ex 20593 Belgium 8000  
Ex 20528 France 20528  
Ex/E 20726 France - Corsica 8000
- R** *Lomatozona artemisiaefolia* Baker 17079  
R 17079 Brazil - Goias (Serra Dourade em Campos) 17079
- R** *Lopholaena whyteana* (Britten) Phillips & C.A. Smith 7757  
R Malawi (Mlanje) 7757
- R** *Lordhowea insularis* (Benth.) R. Nordenstam 14225  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Lugoa revoluta* DC. 5410  
V 20750 Spain - Canary Is. 15105
- V** *Luina serpentina* Cronq. 20850  
V 20850 U.S. - Oregon 20850
- E** *Lundellianthus breedlovei* (B. Turner) Strother 20883  
I 20883 Mexico 20883
- E** *Lundellianthus harrimanii* Strother 20883  
I 20883 Nicaragua 20883
- E** *Lundellianthus steyermarkii* (S. F. Blake) Strother 20883  
I 20883 Guatemala 20883
- E** *Lychnophora bishopii* H. Robinson 20883  
I 20883 Brazil 20883
- E** *Lychnophora jeffreyi* H. Robinson 20883  
I 20883 Brazil 20883
- V** *Lychnophora morii* H. Robinson 20883  
I 20883 Brazil 20883
- V** *Lychnophora regis* H. Robinson 20883  
I 20883 Brazil 20883
- E** *Lygodesmia doloresensis* S. Tomb 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- E** *Lygodesmia entrada* Welsh & Goodrich 20850  
E 20850 U.S. - Utah 20850
- V** *Machaeranthera arida* B.L. Turner & Horne 20883, 19002  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850  
I 20883 Mexico 20883
- V** *Machaeranthera asteroides* (Keck) B.L. Turner var. *lagunensis* (Keck) B.L. Turner 20850  
E 20850 U.S. - California 20850
- V** *Machaeranthera aurea* (Gray) Shimmers 20850  
V 20850 U.S. - Texas 20850
- R** *Machaeranthera bigelovii* (Gray) Greene var. *mucronata* (Greene) B.L. Turner 20850  
R 20850 U.S. - Arizona 20850
- E** *Machaeranthera canescens* (Pursh) A.Gray var. *ziegleri* (Munz) B.L. Turner 20850  
E 20850 U.S. - California 20850
- V** *Machaeranthera coloradoensis* (Gray) Osterhout 20850  
V 20850 U.S. - Colorado 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Wyoming 20850
- R** *Machaeranthera grindelioides* (Maguire) Cronq. & Keck var. *depressa* (Maguire) Cronq. & Keck 20850  
I 20850 U.S. - Arizona 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Machaeranthera*

- R 20850 U.S. - Nevada 20850  
R 20850 U.S. - Utah 20850
- E *Machaeranthera gypsitherma* Nesom, Vorobik & Hartman 20883, 20850  
20850 U.S. - New Mexico 20850  
I 20883 Mexico 20883
- V *Machaeranthera heterocarpa* R.L. Hartman & M.A. Lane 20850  
V 20850 U.S. - Texas 20850
- V *Machaeranthera mexicana* B.L. Turner & Horne 20850  
V 20850 U.S. - Arizona 20850
- V *Machaeranthera viscida* (Woot. & Standl.) R.L. Hartman 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- R *Macowania hamata* Hilliard & B.L. Burt 20604  
R 20604 South Africa - Natal 20604
- R *Madia anomala* Greene 20850  
I 20850 U.S. - California 20850
- V *Madia citrigracilis* Keck 20850  
I 20850 U.S. - California 20850
- E *Madia doris-nilesiae* T.W. & J.P. Nelson 20850  
E 20850 U.S. - California 20850
- V *Madia hallii* Keck 20850  
I 20850 U.S. - California 20850
- R *Madia nutans* (Greene) Keck 20850  
V 20850 U.S. - California 20850
- V *Madia radiata* Kellogg 20850  
V 20850 U.S. - California 20850
- R *Madia rammii* Greene 20850  
I 20850 U.S. - California 20850
- V *Madia stebbinsii* T.W. & J.P. Nelson 20850  
V 20850 U.S. - California 20850
- V *Madia subspicata* Keck 20850  
I 20850 U.S. - California 20850
- V *Madia yosemitana* Parry ex Gray 20850  
V 20850 U.S. - California 20850
- E *Malacothrix indecora* Greene 20850  
E 20850 U.S. - California 20850
- V *Malacothrix phaecocarpa* W.S. Davis, sp. nov. ined. 20850  
I 20850 U.S. - California 20850
- V *Malacothrix saxatilis* (Nutt.) Torr. & A. Gray var. *arachnoidea* (McGregor) E. Williams 20850  
V 20850 U.S. - California 20850
- V *Malacothrix similis* W.S. Davis & Raven 20850  
I 20850 U.S. - California 20850
- R *Malacothrix sonora* W.S. Davis & Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E *Malacothrix squalida* Greene 20850  
I 20850 U.S. - California 20850
- I *Marasmodes duemmeri* Bolus ex. Hutch 10260, 20604  
I 20604 South Africa - Cape Province 20604
- E *Marasmodes undulata* Compton 20604, 3774  
E 20604 South Africa - Cape Province 20604
- V *Marshallia grandiflora* Beadle & F.E. Boynt. 20850  
E 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Maryland 20850  
Ex/E 20850 U.S. - North Carolina 20850
- E 20850 U.S. - Pennsylvania 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - West Virginia 20850
- V *Marshallia ramosa* Beadle & F.E. Boynt. 20850  
E 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850
- R *Marshallia trinervia* (Walt.) Trel. 20850  
V 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
R 20850 U.S. - Mississippi 20850  
Ex/E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Virginia 20850
- E *Mecomisichus pedunculatus* (Coss. & Durieu) Maire 10488  
E 14958 Algeria 10488
- V *Melampodium longicorne* Gray 20850  
I 20850 U.S. - Arizona 20850
- R *Melanodendron integrifolium* (Roxb.) DC. 18996  
R 18996 St Helena 18996
- V *Melanthera ligulata* Small 20850  
I 20850 U.S. - Florida 20850
- V *Melanthera parvifolia* Small 20850  
V 20850 U.S. - Florida 20850
- R *Metalasia erectifolia* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- R *Metalasia luteola* Karis 20604  
R 20604 South Africa - Cape Province 20604
- R *Metalasia umbelliformis* Karis 20604  
R 20604 South Africa - Cape Province 20604
- R *Microderis filii* Hochst. 20171  
R Portugal - Azores
- R *Microderis rigens* (Aiton) DC. 20171  
R Portugal - Azores
- V *Microseris decipiens* Chambers 20850  
V 20850 U.S. - California 20850
- V *Microseris douglasii* (Gray) Schultz-Bip. ssp. *platycarpa* (Gray) Chambers 20850  
V 20850 U.S. - California 20850
- R *Microseris howellii* Gray 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Oregon 20850
- V *Microseris laciniata* Chambers ssp. *detlingii* Chambers 20850  
V 20850 U.S. - Oregon 20850
- R *Microseris paludosa* (Greene) J.T. Howell 20850  
I 20850 U.S. - California 20850
- R *Microseris sylvatica* (Benth.) Schultz-Bip. 20850  
I 20850 U.S. - California 20850
- R *Microspermum debile* Benth. var. *arsenei* Rzed. 9581  
R 19755 Mexico 9581
- V *Microspermum flaccidum* P.G. Wilson 9581  
V 19755 Mexico 9581
- R *Microspermum gonzalezii* Rzed. 9582  
R 19755 Mexico - Jalisco 9582
- R *Microspermum gracillimum* Rzed. 9582  
R 19755 Mexico - Jalisco 9582
- V *Microspermum hintonii* Rzed. 9581



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Microspermum*

- V 19755 Mexico 9581
- R *Microspermum tenue* P.G. Wilson 9581  
R 19755 Mexico 9581
- V *Mikania brachycarpa* Urb. 20883  
V 20883 Jamaica 20883
- V *Mikania brachycarpa* Urb. var. *brachycarpa* 20883  
V 20883 Jamaica 20883
- E *Mikania brachycarpa* Urb. var. *purdieana* Urb. 20883  
E 20883 Jamaica 20883
- E *Mikania cuatrecasatii* W. Holmes 20883  
I 20883 Colombia 20883
- E *Mikania jamaicensis* Robins. 20883  
E 20883 Jamaica 20883
- V *Mikania longicarpa* W. Holmes 20883  
I 20883 Colombia 20883
- E *Mikania macdanielii* W. Holmes 20883  
I 20883 Peru 20883
- E *Mikania maxonii* Proctor 20883  
E 20883 Jamaica 20883
- E *Mikania montverdensis* Proctor 20883  
E 20883 Jamaica 20883
- E *Mikania perhirta* R. M. King & H. Robinson 20883  
I 20883 Brazil 20883
- E *Mikania stevensiana* Britt. 20883  
I 20883 Puerto Rico 20883
- E *Mikania tristachya* W. Holmes 20883  
I 20883 Colombia 20883
- R *Mikania troyana* Urb. 20883, 19890  
R 19890 Jamaica 20883
- E *Mikania tysonii* K. & R. 20883, 10836  
I 20883 Panama 20883
- E *Mikania zonensis* K. & R. 20883, 9006  
I 20883 Panama 20883
- R *Miricacalia makineana* (Yatabe) Kitam. 10573  
R 10573 Japan 10573
- E *Monactis andersonii* H. Robinson 20883  
I 20883 Ecuador 20883
- R *Monolopia stricta* Crum 20850  
I 20850 U.S. - California 20850
- R *Montanoa laskowskii* McVaugh 9628  
R 9628 Mexico 9628
- R *Montanoa revealii* H. Robinson 9604  
R 19755 Mexico 9604
- E *Munnozia angusta* Ruiz Lopez & Pavon 18200  
E 12468 Peru 18200
- E *Mutisia linearifolia* Cav. 5462  
E 20176 Argentina - Neuquen 20176  
E 20176 Argentina - Mendoza 20176  
E 20176 Chile (central) 20176
- V *Mutisia magnifica* C. Ulloa & P.M. Jorgensen 21272  
V 21272 Ecuador 21272
- I *Mutisia retrorsa* Cav. 5462  
I 16336 Argentina 5462  
I 20176 Argentina - La Pampa 20176  
I 20176 Argentina - Chubut 20176  
I 20176 Argentina - Neuquen 20176  
I 20176 Argentina - Rio Negro 20176  
I 20176 Argentina - Santa Cruz 20176
- I 20176 Argentina - Mendoza 20176
- R *Mutisia spectabilis* Philippi 19534  
R 19534 Chile 19534
- R *Myopordon thiebautii* (Gently) Wagenitz 12840  
R 12840 Turkey 12840
- R *Myriactis japonensis* Koidz. 10573  
R 10573 Japan 10573
- I *Myriactis wightii* DC. var. *bellidioides* Hook.f.  
I India - Tamil Nadu (Sispara, Nilgiri Hills)
- V *Nanantea perpusilla* (Loisel.) DC. 15080, 20171  
V 15080 France - Corsica 20528  
V 18264 Italy - Sardinia 18264
- R *Nanothamnus sericeus* Rhoma. 14782  
R 14782 India - Karnataka 14782  
R 14782 India - Maharashtra 14782
- E *Neocuatrecasia fueereri* R. M. King & H. Robinson 20883  
I 20883 Bolivia 20883
- E *Neomirandea chiriquensis* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Neomirandea croatii* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Neomirandea folsomiana* Dillon & D'Arcy 20883, 9586  
I 20883 Panama 20883
- E *Neomirandea gracilis* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Neomirandea panamensis* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Neomirandea pseudopsoralea* K. & R. 20883, 9006  
I 20883 Panama 20883
- E *Neomirandea tenuipes* K. & R. 20883, 10836  
I 20883 Panama 20883
- E *Neomirandea ternata* K. & R. 20883, 10836  
I 20883 Panama 20883
- R *Neurolaena intermedia* Rydb. 9004  
R 9004 Guatemala 9004
- R *Nicolletia occidentalis* Gray ex Torr. 20850  
I 20850 U.S. - California 20850
- R *Nidorella resedifolia* DC. ssp. *serpentinicola* Wild 7853  
R Zimbabwe 7853
- R *Nipponanthemum nipponicum* (Franchet ex Maxim.) Kitam. 10573  
R 10573 Japan 10573
- I *Notonia shevaroyensis* Fyson  
I India - Tamil Nadu (Shevaroy Hills, Salem Dist)
- R *Notoptera hirsuta* (Sw.) Urb. 20883  
R 20883 Jamaica 20883
- R *Novelia insignis* Franchet 17617  
R 17617 China - Sichuan 11139  
R 17617 China - Yunnan 11139
- R *Odiwia achlaena* (D.Morris) Orch. 20681  
R 20681 Australia - Tasmania 20681
- R *Odiwia angusta* (Wakef.) Orch. 20681  
R 20681 Australia - Tasmania 20681
- R *Odontocline fadyenii* (Griseb.) Nordenstam 20883  
R 20883 Jamaica 20883
- R *Odontocline glabra* (Sw.) Nordenstam 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Odontocline*

- R 20883 Jamaica 20883
- R *Odontocline laciniata* (Sw.) Nordenstam 20883, 13336  
R 13336 Jamaica 20883
- R *Odontocline tercentenariae* (Proctor)  
Nordenstam 20883, 13336  
R 13336 Jamaica 20883
- R *Oedera conferta* (Hutch.) Anderb. & K.Bremer 20604  
R 20604 South Africa - Cape Province 20604
- R *Oedera foveolata* (K.Bremer) Anderb. & K.Bremer 20604  
R 20604 South Africa - Cape Province 20604
- R *Oedera nordenstamii* (K.Bremer) Anderb. &  
K.Bremer 20604  
R 20604 South Africa - Cape Province 20604
- R *Oedera resinifera* (K.Bremer) Anderb. &  
K.Bremer 20604  
R 20604 South Africa - Cape Province 20604
- R *Oedera silicicola* (K.Bremer) Anderb. &  
K.Bremer 20604  
R 20604 South Africa - Cape Province 20604
- V *Oedera steyniae* (L.Bolus) Anderb. & K.Bremer 20604  
V 20604 South Africa - Cape Province 20604
- R *Oldenburgia grandis* (Thunb.) Baill. 20604  
R 20604 South Africa - Cape Province 20604
- R *Oldenburgia papionum* DC. 20604  
R 20604 South Africa - Cape Province 20604
- R *Olearia adenophora* (F.Muell.) F.Muell. ex  
Benth. 20681  
R 20681 Australia - Victoria 20681
- R *Olearia allenderae* J.H.Willis 20681  
R 20681 Australia - Victoria 20681
- R *Olearia archeri* Lander 20681  
R 20681 Australia - Tasmania 20681
- V *Olearia astroloba* Lander & N.G.Walsh 20681  
V 20681 Australia - Victoria 20681
- R *Olearia ballii* (F. Muell.) Hemsley 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R *Olearia chathamica* 19305  
R 19305 New Zealand - Chatham Is. 19305
- V *Olearia cordata* Lander 20681  
V 20681 Australia - New South Wales 20681
- R *Olearia ericoides* (Steetz) Wakef. 20681  
R 20681 Australia - Tasmania 20681
- E *Olearia flocktoniae* Maiden & Betche 20681, 5465  
E 20681 Australia - New South Wales 20681
- R *Olearia fragrantissima* 19305  
R 20625 New Zealand - South Is. (eastern) 20625
- R *Olearia frostii* (F.Muell.) J.H.Willis 20681  
R 20681 Australia - Victoria 20681
- E *Olearia hectorii* 19305  
E 20625 New Zealand - North Is. 20625  
E 19305 New Zealand - South Is. 19305
- R *Olearia heterocarpa* S.T.Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Olearia hookeri* (Sonder) Benth. 20681  
R 20681 Australia - Tasmania 20681
- E *Olearia hygrophila* (DC.) Benth. 20681  
E 20681 Australia - Queensland 20681
- R *Olearia lasiophylla* Lander 20681  
R 20681 Australia - New South Wales 20681
- V *Olearia macdonnellensis* D.A.Cooke 20681  
V 20681 Australia - Northern Territory 20681
- E *Olearia microdisca* J.Black 20681  
E 20681 Australia - South Australia 20681
- R *Olearia montana* Lander 20681  
R 20681 Australia - New South Wales 20681
- R *Olearia mooneyi* (F. Muell.) Hemsley 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- Ex *Olearia oliganthera* F.Muell. 20681, 14223  
Ex 20681 Australia - New South Wales 20681
- V *Olearia pachyphylla* Cheeseman 86  
V 19305 New Zealand - North Is. 19305
- R *Olearia pannosa* Hook. ssp. *cardiophylla* (F.Muell.)  
D.Cooke 20681  
R 20681 Australia - South Australia 20681
- V *Olearia pannosa* Hook. ssp. *pannosa* 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E *Olearia polita* 19305  
E 19305 New Zealand - South Is. (Nelson) 20625
- R *Olearia pomahaka* 20625  
R 20625 New Zealand - South Is. (Otago; Southland)  
20625
- R *Olearia quercifolia* DC. 20681  
R 20681 Australia - New South Wales 20681
- R *Olearia rhizomatica* Lander ms. 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681
- R *Olearia semidentata* Decne. ex Hook.f.  
R New Zealand - Chatham Is. 19106
- R *Olearia stilwelliae* Blakely 20681  
R 20681 Australia - New South Wales 20681
- R *Olearia traversii* (F. Muell.) Hook.f. 19305  
R 19305 New Zealand - Chatham Is. 19106
- R *Omalothea sylvatica* ssp. *carpetana* 15846  
R 15846 Spain 15846
- E *Onopordum algeriense* (Munby) Pomel 10488  
E 14958 Algeria 10488
- V *Onopordum bracteatum* L. var. *arachnoideum* Erik &  
Sumbul 12840  
V 12840 Turkey 12840
- V *Onopordum carduelinum* Bolle 14166  
V 20750 Spain - Canary Is. 17891
- R *Onopordum caricum* Hub.-Mor. 12840  
R 12840 Turkey 12840
- E *Onopordum cyrenaicum* Maire & M. Weiller  
E Libya
- I *Onopordum majorii* Beauverd 20731  
I Greece
- R *Onopordum mesalanticum* Emberger & Maire  
R Morocco
- E *Onopordum nogalessii* Svent. 14166  
E 15105 Spain - Canary Is. 17891
- I *Onopordum rhodense* Boiss. ex Rech.f.  
I Greece
- V *Onoseris humboldtiana* Ferreyra 18200  
V 12468 Peru 18200
- R *Onoseris macbridei* Ferreyra 18200

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Onoseris*

- R 12468 Peru 18200
- V *Oonopsis engelmannii* (Gray) Greene 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Kansas 20850
- V *Oonopsis foliosa* (Gray) Greene 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Kansas 20850  
I 20850 U.S. - Wyoming 20850
- V *Oonopsis foliosa* (Gray) Greene var. *foliosa* 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Kansas 20850  
I 20850 U.S. - Wyoming 20850
- V *Oonopsis foliosa* (Gray) Greene var. *monocephala* (A. Nels.) Kartesz & Gandhi 20850  
V 20850 U.S. - Colorado 20850
- V *Oonopsis wardii* (Gray) Greene 20850  
V 20850 U.S. - Wyoming 20850
- V *Oparanthus albus* (F. Brown) Sherff  
V French Polynesia - Marquesas Is
- R *Oparanthus coriaceus* (F. Brown) Sherff 20845  
R 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- R *Oparanthus rapensis* (F. Brown) Sherff 20845  
R 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- R *Oritrophium blepharophyllum* (Blake) Cuatrec. 12473  
R 19537 Venezuela 12473
- R *Oritrophium nevadense* (Wedd.) Cuatrec. 12473  
R 19537 Venezuela 12473
- R *Oritrophium venezuelense* (Steyerm.) Cuatrec. 12473  
R 19537 Venezuela 12473
- R *Ormenis flahaultii* Emberger  
R Morocco
- R *Orochaenactis thysanocarpha* (Gray) Coville 20850  
I 20850 U.S. - California 20850
- R *Osteospermum aciphyllum* DC. 20604  
R 20604 South Africa - Cape Province 20604
- R *Osteospermum elsieae* Norl. 20604  
R 20604 South Africa - Cape Province 20604
- R *Osteospermum hafstroemii* Norl. 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Osteospermum hirsutum* Thunb. 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- I *Osteospermum hispidum* Harvey var. *virile* Norl. 20604  
I 20604 South Africa - Cape Province 20604
- R *Osteospermum nyikense* T. Norlindh  
R Malawi
- E *Osteospermum sanctae-helenae* Norlindh 18996  
E 18996 St Helena 18996
- R *Othonna armiana* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- I *Othonna cakilifolia* DC. 20604  
20604 South Africa - Cape Province 20604
- R *Othonna gypsicola* R. Bates 20681  
R 20681 Australia - South Australia 20681
- R *Othonna hallii* B. Nord. 20604  
R 20604 South Africa - Cape Province 20604
- R *Othonna pteronioides* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- I *Othonna rechingeri* B. Nord. 20604  
I 20604 South Africa - Cape Province 20604
- R *Ozothamnus costatifructus* (R.V. Smith) A. Anderb. 20681  
R 20681 Australia - Tasmania 20681
- V *Ozothamnus eriocephalus* (J.H. Willis) A. Anderb. 20681  
V 20681 Australia - Queensland 20681
- R *Ozothamnus expansifolius* (Morris & Willis) A. Anderb. 20681  
R 20681 Australia - Tasmania 20681
- R *Ozothamnus gunnii* Hook. f. 20681  
R 20681 Australia - Tasmania 20681
- R *Ozothamnus lycopodioides* Hook. f. 20681  
R 20681 Australia - Tasmania 20681
- Ex *Ozothamnus selaginoides* Sonder & F. Muell. 20681  
Ex 20681 Australia - Tasmania 20681
- V *Ozothamnus tessellatus* (Maiden & R. Baker) A. Anderb. 20681  
V 20681 Australia - New South Wales 20681
- R *Ozothamnus vagans* (C. White) A. Anderb. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Ozothamnus whitei* (N. Burb.) A. Anderb. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Pachystegia rufa* 19305  
R 19305 New Zealand - South Is. 19305
- R *Palaeocyanus crassifolius* (Bertol.) Dostál 13351, 20171  
R 13351 Malta (Malta & Gozo) 13351
- R *Palafoxia arida* B. Turner \* M. Morris var. *gigantea* (M.E. Jones) B.L. Turner & Morris 20883, 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - California 20850  
20883 Mexico 20883
- E *Parafaujasia mauritiana* C. Jeffrey 20771  
E 20771 Mauritius 20771
- R *Paraixeris yoshinoi* Nakai 10573  
R 10573 Japan 10573
- R *Parantennaria uniceps* (F. Muell.) Beauverd 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Parthenice mollis* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- R *Parthenium alpinum* (Nutt.) Torr. & Gray 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Wyoming 20850
- R *Parthenium integrifolium* Mears var. *mabryanum* Mears 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Virginia 20850
- R *Parthenium ligulatum* (M.E. Jones) Barneby 20850  
V 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- R *Parthenium radfordii* Mears 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Parthenium*

- V *Parthenium tetraeuris* Barneby 20850  
V 20850 U.S. - Colorado 20850
- E *Pectis havanensis* Urban 5607  
E 19105 Cuba (Ciud. Habana) 5607
- R *Pectis imberbis* Gray 20883, 20850  
V 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- E *Pectis juniperina* Rydb. 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E *Pectis leonis* Rydb. 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E *Pectis pinosia* Urban 5607  
E 19105 Cuba (Juventud Is.) 5607
- E *Pectis ritlandii* Howard & Briggs 5607  
E 19105 Cuba (Cienfuegos) 5607
- R *Pectis rusbyi* Greene ex Gray 20850  
R 20850 U.S. - Arizona 20850
- R *Pegoletia dubiefiana* Quezel 10488  
R 14958 Algeria 10488
- E *Pentacalia carpishensis* (Cuatrec.) Cuatrec. 18200  
E 9446 Peru 18200
- E *Pentacalia guadalupe* ssp. *caucana* (Cuatr.)  
Cuatr. 20883  
I 20883 Colombia 20883
- V *Pentacalia inornata* H. Robinson 20883, 13336  
V 13336 Jamaica 20883
- R *Pentacalia subdiscolor* H. Robinson 20883, 13336  
R 13336 Jamaica 20883
- E *Pentachaeta bellidiflora* Greene 20850  
E 20850 U.S. - California 20850
- E *Pentachaeta exilis* (A. Gray) A. Gray ssp. *aeolica*  
Van Horn & Ornduff 20850  
E 20850 U.S. - California 20850
- R *Pentachaeta fragilis* Brandeg. 20850  
I 20850 U.S. - California 20850
- E *Pentachaeta lyonii* Gray 20850  
E 20850 U.S. - California 20850
- V *Perezia cirsiiifolia* Wedd. 18200  
V 12468 Peru 18200
- V *Pericallis multiflora* (L'Hér.) B.Nord. 20750  
V 20750 Spain - Canary Is. 20750
- R *Perityle aglossa* Gray 20850  
R 20850 U.S. - Texas 20850
- E *Perityle ajoensis* T.K. Todsen 20883, 20850, 11630  
E 20850 U.S. - Arizona 20850  
20883 Mexico 20883
- V *Perityle bisetosa* (Torr. ex Gray) Shinners 20850  
V 20850 U.S. - Texas 20850
- V *Perityle bisetosa* (Torr. ex Gray) Shinners var.  
*appressa* A.Powell 20850  
V 20850 U.S. - Texas 20850
- E *Perityle bisetosa* (Torr. ex Gray) Shinners var.  
*bisetosa* (Torrey) Shinn. 20850  
E 20850 U.S. - Texas 20850
- E *Perityle bisetosa* (Torr. ex Gray) Shinners var.  
*scalaris* A.Powell 20850  
E 20850 U.S. - Texas 20850
- E *Perityle cernua* (Greene) Shinners 20850  
E 20850 U.S. - New Mexico 20850
- V *Perityle ciliata* (L.H. Dewey) Rydb. 20850  
I 20850 U.S. - Arizona 20850
- V *Perityle cinerea* (Gray) A. Powell 20850  
V 20850 U.S. - Texas 20850
- E *Perityle cochisensis* (Niles) A. Powell 20850  
E 20850 U.S. - Arizona 20850
- E *Perityle congesta* (M.E. Jones) Shinners 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850
- V *Perityle coronopifolia* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- V *Perityle dissecta* (Torr.) Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- E *Perityle fosteri* A. Powell 20850  
E 20850 U.S. - Texas 20850
- R *Perityle gilensis* (M. E. Jones) J. F. MacBr. var.  
*gilensis* 20850  
R 20850 U.S. - Arizona 20850
- V *Perityle gilensis* A. Powell var. *salensis* A.  
Powell 20850  
V 20850 U.S. - Arizona 20850
- V *Perityle gracilis* (M.E.Jones) Rydb. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850
- E *Perityle huacoensis* A. Powell 20850  
E 20850 U.S. - Texas 20850
- Ex/E *Perityle inyoensis* (Ferris) A. Powell 20850, 14662  
Ex/E 20850 U.S. - California 20850
- R *Perityle megaloccephala* (S.Watson) J.F. Macbr. 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- V *Perityle megaloccephala* (S.Watson) J. F. Macbr. var.  
*intricata* (Brandeg.) A. Powell 20850  
V 20850 U.S. - Nevada 20850
- R *Perityle megaloccephala* (S.Watson) J. F. Macbr. var.  
*megaloccephala* 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- R *Perityle rupestris* A. Powell var. *albiflora* A.  
Powell 20850  
R 20850 U.S. - Texas 20850
- R *Perityle rupestris* (Gray) Shinners var.  
*rupestris* 20850  
R 20850 U.S. - Texas 20850
- V *Perityle saxicola* (Eastw.) Shinners 20850  
V 20850 U.S. - Arizona 20850
- E *Perityle specuicola* Welsh & Neese 20850  
E 20850 U.S. - Utah 20850
- V *Perityle staurophylla* (Barneby) Shinners var.  
*homoflora* T.K. Todsen 20850  
V 20850 U.S. - New Mexico 20850
- V *Perityle tenella* (M.E.Jones) J.F.Macbr. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Utah 20850
- E *Perityle villosa* (Blake) Shinners 20850, 14662  
E 20850 U.S. - California 20850
- E *Perityle vitreomontana* Warnock 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Perityle*

- E 20850 U.S. - Texas 20850
- E** *Perityle warnockii* A. Powell 20850  
E 20850 U.S. - Texas 20850
- I** *Perymenium wilburorum* McVaugh 10354  
E 21204 Mexico - Jalisco 21204
- R** *Petasites doerfleri* Hayek 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091
- E** *Peteravenia cyrili-nelsonii* (A. Molina) R. King & H. Robinson 10836  
E 20050 Honduras 10836
- E** *Petrobium arboreum* R. Br. ex Sprengel 18996  
E 18996 St Helena 18996
- R** *Phagnalon bennettii* Lowe 17891  
R Portugal - Madeira
- I** *Phagnalon garamantum* Maire 10488  
I 14958 Algeria 10488
- R** *Phagnalon iminouakense* Emberger  
R Morocco
- R** *Phagnalon latifolium* Maire  
R Morocco
- R** *Phagnalon metlesicsii* Pignatti 18264, 20171  
R 18264 Italy - Sicily 18264
- R** *Phagnalon umbelliforme* DC. 15105  
R 15105 Spain - Canary Is. 15105
- R** *Phalacrocarpum hoffmannseggi* (Samp.) M.Lainz 20171  
E 20076 Portugal 20076  
R Spain
- R** *Phoebanthus tenuifolius* (Torr. & Gray) Blake 20850  
E 20850 U.S. - Alabama 20850  
R 20850 U.S. - Florida 20850
- I** *Phymaspermum villosum* (Hilliard) Källersjö 20604  
I 20604 South Africa - Cape Province 20604  
I 20604 South Africa - Natal 20604
- V** *Picris algarbiensis* Franco 8000, 20171  
V 8322 Portugal 8000
- R** *Picris campylocarpa* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R** *Picris cyrenaica* (Pampan.) Lack  
R Libya
- V** *Picris evae* Lack 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Picris pitardiana* Gandoger  
R Morocco
- R** *Picris willkommii* (Sch.Bip.) Nyman 8000, 20171  
E 20705 Portugal (south east) 8000  
R Spain (south west) 8000
- R** *Pinaropappus parvus* Blake 20850  
R 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Texas 20850
- R** *Piqueriopsis michoacana* R. King 9595  
R 9595 Mexico 9595
- R** *Pityopsis flexuosa* (Nash) Small 20850  
R 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- V** *Pityopsis oligantha* (Chapman ex Torr. & Gray) Small 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850
- I** 20850 U.S. - Georgia 20850  
I 20850 U.S. - Louisiana 20850  
I 20850 U.S. - Oklahoma 20850
- E** *Pityopsis ruthii* (Small) Small 20850  
E 20850 U.S. - Tennessee (Polk County) 20850
- E** *Pladaroxylon leucadendron* (Forster f.) Hook.f. 18996  
E 18996 St Helena 18996
- R** *Plagusia flosculosus* (L.) Alavi & Heywood 15080, 20171  
V 15080 France - Corsica 15080  
R 20805 Italy - Sardinia 15080
- R** *Pleurocarpaea fasciculata* Dunlop 20681  
R 20681 Australia - Northern Territory 20681
- V** *Pleuropappus phyllocalymmeus* F.Muell. 20681  
V 20681 Australia - South Australia 20681
- E** *Pluchea aromatica* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- R** *Pluchea lanceolata* (DC.) Oliver & Hiern 8003  
R Chad 8003  
R Senegal 8003
- V** *Pluchea longifolia* Nash 20850  
I 20850 U.S. - Florida 20850
- E** *Pluchea obovata* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- R** *Podolepis monticola* R.J.Henderson 20681, 8560  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Polymnia cossatotensis* A.B. Pittman & V. Bates 20850  
E 20850 U.S. - Arkansas 20850
- R** *Polymnia laevigata* Beadle 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Kentucky 20850  
Ex 20850 U.S. - Missouri 20850  
R 20850 U.S. - Tennessee 20850
- E** *Porophyllum pygmaeum* Keil & J. Morefield 20850  
E 20850 U.S. - Nevada 20850
- I** *Prenanthes amabilis* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- R** *Prenanthes barbata* (Torr. & Gray) Milstead 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Texas 20850
- V** *Prenanthes boottii* (DC.) Gray 20850  
E 20850 U.S. - Maine 20850  
E 20850 U.S. - New Hampshire 20850  
E 20850 U.S. - New York 20850  
E 20850 U.S. - Vermont 20850
- R** *Prenanthes glareosa* (Scho.&Kotsch. ex Bois.) C. Jeff. 12840  
R 12840 Turkey 12840
- R** *Prenanthes roanensis* (Chickering) Chickering 20850  
R 20850 U.S. - North Carolina 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Virginia 20850
- R** *Psacalium nanum* Pippen 9554  
R 19755 Mexico 9554
- V** *Pseudobahia bahiifolia* (Benth.) Rydb. 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Pseudobahia*

- V 20850 U.S. - California 20850
- V *Pseudobahia peirsonii* Munz 20850  
V 20850 U.S. - California 20850
- R *Pseudocappia arenaria* Rydb. 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Oklahoma 20850  
V 20850 U.S. - Texas 20850
- E *Pseudocappia watsonii* Powell & B.L. Turner 20850  
E 20850 U.S. - Texas 20850
- R *Psiadia arguta* (Pers.) Voigt 10082  
R 20771 Mauritius 10082
- V *Psiadia canescens* A.J. Scott 10082  
V 20771 Mauritius 10082
- E *Psiadia cataractae* A.J. Scott 10082  
E 20771 Mauritius 10082
- R *Psiadia lithospermifolia* (Lam.) Cordem. 10082  
R 20771 Mauritius 10082
- Ex *Psiadia mauritiana* A.J. Scott 10082  
Ex Mauritius 10082
- R *Psiadia melastomoides* (Lam.) A.J. Scott 10082  
R 10082 Réunion 10082
- R *Psiadia penninervia* DC. 10082  
R 20771 Mauritius 10082
- R *Psiadia pollicina* A.J. Scott 10082  
R 20771 Mauritius 10082
- V *Psiadia retusa* (Lam.) DC. 10082  
V 14234 Réunion 10082
- R *Psiadia rivalsii* A.J. Scott 10082  
R 10082 Réunion 10082
- V *Psiadia rodriguesiana* Balf.f. 10082  
V 5852 Mauritius - Rodrigues 5852
- R *Psiadia salaziana* Cordem. 10082  
R 10082 Réunion 10082
- R *Psiadia terebinthina* A.J. Scott 10082  
R 20771 Mauritius 10082
- V *Psilocarphus brevissimus* Nutt. var. *multiflorus*  
Cronq. 20850  
V 20850 U.S. - California 20850
- R *Pteronia diosmifolia* Brusse 20604  
R 20604 South Africa - Cape Province 20604
- R *Pterothrix tecta* Brusse 20604  
R 20604 South Africa - Cape Province 20604
- R *Ptilostemon ahyllensis* (Maire) Greuter  
R Morocco
- R *Ptilostemon leptophyllus* (Pau & Font Quer) Greuter  
R Morocco
- R *Ptilostemon niveus* (C.Presl) Greuter 18264, 20171  
R 18264 Italy (Basilicata, Calabria) 18264  
R Italy - Sicily
- R *Pulicaria armena* (Boiss.) Kotschy 12840  
R 12840 Turkey 12840
- E *Pulicaria burchardii* Hutch. 15105  
E 15105 Spain - Canary Is. 15105
- E *Pulicaria canariensis* Bolle 15105  
E 15105 Spain - Canary Is. 15105
- E *Pulicaria elegans* Camel-Edlin 15534  
E 15534 Yemen - Socotra 15534
- E *Pulicaria filaginoides* Pomel 10488  
E 14958 Algeria 10488
- I *Pulicaria glandulosa* Caball.  
I Morocco
- E *Pulicaria lanata* Camel-Eldin 15534  
E 15534 Yemen - Socotra 15534
- I *Pulicaria omanensis* ssp. *milleri*  
Gamal-Eldin 20146  
I 20146 Oman (Dhofar) 20146
- I *Pulicaria pulvinata* Gamal-Eldin 20146  
I 20146 Oman (central) 20146
- I *Pulicaria rajputanae* Blatter & Hallberg 7771  
I India - Rajasthan 7771
- I *Pulicaria vieraeoides* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- Ex/E *Pyrethrum kelleri* (Krylov & Plotn.) Kraschen. 5942  
Ex/E 5942 Kazakhstan (east) 5942
- I *Pyrethrum mikeschii* Tzvelev  
I 5942 Kyrgyzstan 5942  
I 5942 Tajikistan 5942
- V *Pyrocoma carthamoides* var. *subsquarrosa* (Greene) G.  
Brown & Keil 20850  
V 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V *Pyrocoma crocea* var. *genuflexa* (Greene) Mayes ex G.  
Brown & Keil 20850  
I 20850 U.S. - Arizona 20850
- R *Pyrocoma hirta* var. *sonchifolia* (Greene) Kartesz &  
Gandhi 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Pyrocoma insecticruris* Heller 20850  
R 20850 U.S. - Idaho 20850
- V *Pyrocoma liatrifolmis* Greene 20850  
V 20850 U.S. - Idaho 20850  
V 20850 U.S. - Washington 20850
- V *Pyrocoma lucida* (Keck) Kartesz & Gandhi 20850  
V 20850 U.S. - California 20850
- R *Pyrocoma radiata* Nutt. 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Oregon 20850  
I 20850 U.S. - Utah 20850
- V *Pyrocoma uniflora* var. *gossypina* (Greene) Kartesz &  
Gandhi 20850  
V 20850 U.S. - California 20850
- V *Raillardella pringlei* Greene 20850, 14662  
V 20850 U.S. - California 20850
- V *Raillardopsiis muirii* (Gray) Rydb. 20850  
V 20850 U.S. - California 20850
- R *Raillardopsiis scabrída* (Eastw.) Rydb. 20850  
R 20850 U.S. - California 20850
- E *Raoulia cinerea* Petrie 86  
E New Zealand - South Is.
- R *Reichardia crystallina* (Schultz Bip.) D.  
Bramwell 15105  
R 15105 Spain - Canary Is. 15105
- R *Reichardia famarae* D. Bramwell & Kunkel 15105  
R 20750 Spain - Canary Is. 15105
- E *Relhania rotundifolia* Less. 20604  
E 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Relhania*

- R** *Relhania spathulifolia* K.Bremer 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Remya kauaiensis* Hbd. 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Remya kauaiensis* Hillebrand var. *kauaiensis* 14209  
**E** 14209 U.S. - Hawaii (Kauai) 14209
- E** *Remya mauiensis* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (West Maui) 20850
- E** *Remya montgomeryi* W.L. Wagner & Herbst 20850, 14209  
**E** 20850 U.S. - Hawaii (Kauai) 20850
- R** *Revealia macrocephala* (Paray) R. King & H. Robinson 10836  
**R** 10836 Mexico 10836
- Ex/E** *Rhaphogyne rhynchocarpa* (Balf.f.) S. Moore 10082  
**Ex/E** 5852 Mauritius - Rodrigues 10082
- R** *Rhaponticum aulieatense* Iljin 5942  
**R** 5942 Kazakhstan (southern border with Kyrgyzstan) 5942  
**R** 5942 Kyrgyzstan (border with Kazakhstan) 5942
- E** *Rhaponticum canariensis* DC.  
**E** Spain - Canary Is.
- E** *Rhodogeron coronopifolius* Griseb. 5607  
**E** 19105 Cuba (Villa Clara) 5607
- E** *Robinsonia berterii* 19116  
**E** 19116 Chile - Juan Fernandez Is. 19116
- V** *Robinsonia evenia* Philippi 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- V** *Robinsonia gayana* Decne. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- V** *Robinsonia gracilis* Decne. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- E** *Robinsonia macrocephala* 19116  
**E** 19116 Chile - Juan Fernandez Is. 19116
- V** *Robinsonia masafuerae* Skottsbo. 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- E** *Robinsonia thurifera* Decne. 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- E** *Rothmaleria granatensis* (Boiss. ex DC.) Font Quer 15398, 20171  
**E** 19818 Spain (Granada) 19818
- E** *Rudbeckia auriculata* (Perdue) Kral 20850  
**E** 20850 U.S. - Alabama 20850
- V** *Rudbeckia graminifolia* (Torr. & Gray) C.L. Boynt & Beadle 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850
- V** *Rudbeckia heliopsisidis* Torr. & Gray 20850  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Virginia 20850
- V** *Rudbeckia nitida* Nutt. var. *nitida* 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**R** 20850 U.S. - Georgia 20850
- V** *Rudbeckia scabrifolia* L.E. Brown 20850  
**V** 20850 U.S. - Louisiana 20850  
**V** 20850 U.S. - Texas 20850
- V** *Rudbeckia triloba* L. var. *pinnatiloba* Torr. & Gray 20850  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Virginia 20850
- R** *Rugelia nudicaulis* Shuttlw. ex Chapman 20850  
**R** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Tennessee 20850
- R** *Rumfordia revealii* H. Robinson 9604  
**R** 19755 Mexico 9604
- V** *Rutidosia heterogama* Philipson 20681  
**V** 20681 Australia - New South Wales 20681
- E** *Rutidosia lanata* A.E. Holland 20681  
**E** 20681 Australia - Queensland 20681
- V** *Rutidosia leioplepis* F. Muell. 20681  
**V** 20681 Australia - New South Wales 20681
- E** *Rutidosia leptorrhynchoides* F. Muell. 20681  
**I** 20681 Australia - Capital Territory 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Sabazia gonzalezae* B. Turner 10357  
**R** 14294 Mexico - Durango 10357
- V** *Sachsia polycephala* Griseb. 20850  
**E** 20850 U.S. - Florida 20850
- E** *Sachsia tricephala* Griseb. 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- I** *Salmea caleoides* Griseb. 5607  
**I** 19105 Cuba (Pinar del Rio) 5607
- I** *Salmea glaberrima* C. Wright  
**I** 19105 Cuba (Pinar del Rio) 19105
- I** *Salmea sessilifolia* Griseb. 20883, 13336  
**I** 13336 Jamaica 20883
- I** *Salmea umatilis* Robins. 5607  
**I** 19105 Cuba (Pinar del Rio) 5607
- R** *Santolina ascensionis* Sennen  
**R** Morocco
- V** *Santolina elegans* Boiss. ex DC. 15398, 20171  
**V** Spain 15398
- V** *Santolina impressa* Hoffmanns. & Link 8000  
**V** 20076 Portugal 20076
- R** *Santolina ligustica* Arrigoni 18264  
**R** 18264 Italy (Liguria) 18264
- R** *Santolina neapolitana* Jordan & Fourr. 18264  
**R** 18264 Italy (Campania) 18264
- V** *Santolina semidentata* Hoffmanns. & Link 8000  
**V** 20076 Portugal 20076
- R** *Santolina viscosa* Lag. 20171  
**R** Spain (gypsum soils)
- V** *Sarcanthemum coronopus* (Lam.) Cass. 10082  
**V** 5852 Mauritius - Rodrigues 10082
- V** *Sartwellia gypsophila* Powell & B.L. Turner 20850, 9651  
**I** 20850 U.S. - Texas 20850  
**?** Mexico - Chihuahua 9651
- R** *Saussurea alpicola* Kitamura 15957  
**R** 15923 Korea, South (north to Mt Namgrim) 15957
- I** *Saussurea atkinsoni* C.B. Clarke  
**I** India - Himachal Pradesh

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Saussurea*

- I India - Jammu & Kashmir
- R *Saussurea bracteata* Decne.  
R 13883 India - Himachal Pradesh 13883  
R 13883 India - Jammu & Kashmir 13883  
R 13883 India - Uttar Pradesh 13883  
R 13883 Pakistan 13883
- R *Saussurea chinophylla* Takeda 10573  
R 10573 Japan 10573
- R *Saussurea clarkei* Hook.f. 11494  
R 11494 India - Jammu & Kashmir (Kashmir Himalaya) 11494
- E I *Saussurea costus* (Falc.) Lipsch. 7955  
E 13883 India - Himachal Pradesh 13883  
E 13883 India - Jammu & Kashmir 13883  
E 13883 Pakistan 13883
- R *Saussurea diamantiaca* Nakai 15957  
R 15923 Korea, South 15957
- I *Saussurea foliosa* Edgew.  
I India - Uttar Pradesh (Garhwal; Kumaun)
- R *Saussurea franchetii* Koidz. 10573  
R 10573 Japan 10573
- R *Saussurea inaensis* Kitam. 10573  
R 10573 Japan 10573
- R *Saussurea insularis* Kitam. 10573  
R 10573 Japan 10573
- R *Saussurea involucrata* Karelin & Kir. ex Maxim. 17617  
V 17617 China - Xinjiang Uygur Zizhiqu 11139  
R former USSR 6930
- R *Saussurea kanzanensis* Kitamura 20511  
R 20511 Taiwan 20511
- R *Saussurea kiraisiensis* Masamune 20511  
R 20511 Taiwan 20511
- I *Saussurea kitamuraana* Miyabe & Tatew. 5942  
I 5942 Russia (Far East) - Khabarovsk (south) 5942  
I 5942 Russia (Far East) - Primorye 5942  
I 5942 Russia (Far East) - Sakhalin 5942
- R *Saussurea riederi* Herder ssp. *kudoana* Kitam. 10573  
R 10573 Japan 10573
- I *Saussurea roylei* (DC.) Schultz Bip.  
I India - Himachal Pradesh  
I India - Jammu & Kashmir  
I India - Uttar Pradesh
- R *Saussurea sovietica* Komarov 5942  
R 5942 Russia (Far East) - Primorye 5942
- R *Saussurea yakusimensis* Masam. 10573  
R 10573 Japan 10573
- R *Saussurea yoshinagae* Kitam. 10573  
R 10573 Japan 10573
- R *Scalesia affinis* Hook.f. 11117  
R Ecuador - Galapagos 11117
- R *Scalesia aspera* Andersson 11117  
R Ecuador - Galapagos (Eden, Santa Cruz) 5670
- E *Scalesia atractyloides* Arn. var. *atractyloides* 11117  
E 14980 Ecuador - Galapagos (west Santiago) 9389
- E *Scalesia atractyloides* Arn. var. *darwinii* (Hook.f.) Eliasson 11117  
E Ecuador - Galapagos (west Santiago) 9389
- R *Scalesia baurii* Robinson & Greenman ssp. *baurii* 11117  
R Ecuador - Galapagos (Pinta; Rabida; Wolf) 11117
- R *Scalesia baurii* Robinson & Greenman ssp. *hopkinsii* (Robinson) Eliasson 11117  
R Ecuador - Galapagos (Pinta; Wolf) 11117
- R *Scalesia cordata* A. Stewart 11117  
R Ecuador - Galapagos (V. Sierra Negra; Cerro Azul) 11117
- R *Scalesia crockeri* J. Howell 11117  
R Ecuador - Galapagos 11117
- R *Scalesia divisa* Andersson 11117  
R Ecuador - Galapagos (San Cristobal) 11117
- V *Scalesia gordilloi* Hamann & Wium-Anders. 7747  
V 14980 Ecuador - Galapagos 7747
- R *Scalesia helleri* Robinson ssp. *helleri* 11117  
R Ecuador - Galapagos (Santa Cruz; Santa Fe) 11117
- E *Scalesia helleri* Robinson ssp. *santacruziana* Harling 11117  
E 14980 Ecuador - Galapagos (south-east Santa Cruz) 9389
- R *Scalesia incisa* Hook.f. 11117  
R Ecuador - Galapagos (San Cristobal) 11117
- E *Scalesia retroflexa* Hemsley 11117  
E 14980 Ecuador - Galapagos (Punta Nunnez, Santa Cruz) 9389
- V *Scalesia stewartii* Riley 11117  
V 14980 Ecuador - Galapagos 9389
- R *Scalesia villosa* A. Stewart 11117  
R Ecuador - Galapagos (incl. Floreana) 11117
- R *Scariola tetrantha* (B.L. Burt & P. Davis) Sojak 14230  
R 19164 Cyprus (Khionistra, Kryos Potamos) 14230
- E *Schistocarpha croatii* H.E. Rob. 20883, 9006  
I 20883 Panama 20883
- E *Sciadocephala dressleri* K. & R. 20883, 9006  
I 20883 Panama 20883
- I *Scorzonera argyria* Boiss. 12840  
I 12840 Turkey 12840
- R *Scorzonera aucheriana* DC. 12840  
R 12840 Turkey 12840
- R *Scorzonera boissieri* Lipschitz 12840  
R 12840 Turkey 12840
- R *Scorzonera davisii* Lipschitz 12840  
R 12840 Turkey 12840
- E *Scorzonera drarii* Tackh.  
E Egypt
- V *Scorzonera hieracifolia* Hayek 12840  
V 12840 Turkey 12840
- R *Scorzonera idaea* (Gand.) Lipsch. 20731  
R 20731 Greece - Crete 20731
- R *Scorzonera inaequiscapa* Boiss. 12840  
R 12840 Turkey 12840
- R *Scorzonera lacera* Boiss. & Bal. 12840



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Scorzonera*

- R 12840 Turkey 12840
- R *Scorzonera lasiocarpa* Chamb. 12840  
R 12840 Turkey 12840
- R *Scorzonera mirabilis* Lipschitz 12840  
R 12840 Turkey 12840
- R *Scorzonera pisidica* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Scorzonera pygmaea* Sibth. & Sm. 12840  
R 12840 Turkey 12840
- R *Scorzonera rhodantha* Hausskn. 20171  
R Greece
- R *Scorzonera sandrasica* Hartvig & Strid 12840  
R 12840 Turkey 12840
- R *Scorzonera scyria* M.A.Gust. & Snogerup 20171  
R Greece
- R *Scorzonera serpentinea* Rech.f. 20171  
R Greece
- R *Scorzonera suberosa* C. Koch. ssp. *cariensis* (Boiss.) Chamb. 12840  
R 12840 Turkey 12840
- I *Scorzonera tau-saghyz* Lipsch. & Bosse 5942  
I 5942 Kazakhstan 5942  
I 5942 Kyrgyzstan 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- R *Scorzonera violacea* Chamb. 12840  
R 12840 Turkey 12840
- R *Senecio aconquijae* Cabrera 19448  
R 20176 Argentina - Tucuman 20176
- V *Senecio actinella* Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- V *Senecio appendiculatus* (L. f.) Schultz Bip. 15105  
V 15105 Spain - Canary Is. 15105
- R *Senecio astephanus* Greene 20850  
I 20850 U.S. - California 20850
- R *Senecio austromontanus* Hilliard 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Senecio azulensis* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- E *Senecio behrianus* Sonder & F.Muell. 20681, 14223  
Ex/E 20681 Australia - New South Wales 20681  
Ex/E 20681 Australia - South Australia 20681  
E 20681 Australia - Victoria 20681
- V *Senecio bernardinus* Greene 20850  
V 20850 U.S. - California 20850
- R *Senecio bicolor* (Willd.) Tod. ssp. *nebrodensis* (Guss.) Chater 18264, 20171  
R 18264 Italy - Sicily 18264
- R *Senecio bifistulosus* Hook.f.  
R New Zealand - South Is.
- R *Senecio blochmaniae* Greene 20850  
I 20850 U.S. - California 20850
- V *Senecio bollei* Sunding & Kunkel 15105  
V 15105 Spain - Canary Is. 15105
- I *Senecio boluangensis* H. Koyama 19120  
I 19120 Thailand 19120
- E *Senecio boquetensis* Standl. 20883, 9006
- I 20883 Panama 20883
- E *Senecio caespitosus* Brot. 19488  
E 20076 Portugal 20076
- R *Senecio cambrensis* Rosser 8000  
R 5387 United Kingdom (North Wales) 5387
- R *Senecio canaliculatus* Bojer ex DC. 10368  
R 20578 Madagascar (Antananarivo) 20578
- R *Senecio capillifolius* Hook.f. 20681  
R 20681 Australia - Tasmania 20681
- R *Senecio cardamine* Greene 20850  
V 20850 U.S. - Arizona 20850  
R 20850 U.S. - New Mexico 20850
- R *Senecio cariensis* Boiss. 12840  
R 12840 Turkey 12840
- V *Senecio carinatus* Greenman 5607  
V 19105 Cuba (Holguin) 5607
- I *Senecio carlomasonii* B.L. Turner & T.M. Barkl. 20883, 20850  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R *Senecio carpetanus* Boiss. & Reut. 20171  
R 20692 Spain (central & Iberic Mts.) 20692
- R *Senecio cedrorum* Raynal 10368  
R 20578 Madagascar (Toliara) 20578
- R *Senecio chalchaquinus* Cabrera 16336  
R 19448 Argentina 16336
- R *Senecio chalchuraui* Humbert  
R Morocco
- E *Senecio coincyi* Rouy 15846, 20171  
E 15846 Spain 15846
- R *Senecio coleophyllus* Turcz. 20604  
R 20604 South Africa - Cape Province 20604
- R *Senecio compactus* Kirk  
R New Zealand - North Is.
- I *Senecio craibianus* Hosseus  
I Thailand
- R *Senecio crocatus* Rydb. 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Montana 20850  
I 20850 U.S. - Utah 20850  
Ex/E 20850 U.S. - Wyoming 20850
- R *Senecio cylindrocephalus* Cabrera 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Tucuman 20176
- I *Senecio datzellii* C.B. Clarke  
I India - Karnataka
- R *Senecio davisii* Matthews 12840  
R 12840 Turkey 12840
- V *Senecio dimorphophyllus* T. Barkley & Beauch. var. *intermedius* T.M. Barkl. 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- V *Senecio doronicum* (L.) L. ssp. *ruthenensis* (Mazuc & Timb.-Lagr.) Nyman 20171  
V 20171 France 20171
- E *Senecio elodes* Boiss. ex DC. 15398, 20171  
E 15398 Spain (Sierra Nevada) 11496
- R *Senecio eriopus* Willk. 20171  
R Spain

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Senecio*

- E** *Senecio ertterae* T.M. Barkl. 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Senecio eubaeus* Boiss. & Heldr. 20171  
**R** Greece
- V** *Senecio eurycephalus* Torr. & Gray ex Gray var.  
*lewisii* (J.T. Howell) T.M. Barkl. 20850  
**V** 20850 U.S. - California 20850
- I** *Senecio exuberans* R.A.Dyer 20604  
**I** 20604 South Africa - Natal 20604
- R** *Senecio farfarifolius* Boiss. & Kotschy 12840, 20171  
**R** 12840 Turkey 12840
- R** *Senecio flaccidus* var. *douglasii* (DC.) B.L. Turner &  
T.M. Barkl. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- I** *Senecio flagellifolius* Cabrera 16336  
**I** 16336 Argentina 16336  
**I** 20176 Argentina - Tucuman 20176
- I** *Senecio foeniculoides* Harv. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Senecio formosanus* (Sasaki) Kitamura 20511  
**R** 20511 Taiwan 20511
- E** *Senecio franciscanus* Greene 20850  
**E** 20850 U.S. - Arizona (Coconino Nat. Forest)  
20850
- E** *Senecio furusei* Kitam. 10573  
**E** 10573 Japan 10573
- R** *Senecio gallerandianus* Coss. & Durieu 10488  
**R** 14958 Algeria 10488
- V** *Senecio ganderi* T.M. Barkl. & Beauchamp 20850  
**V** 20850 U.S. - California 20850
- I** *Senecio gardneri* (Thwaites) C.B. Clarke 8021  
**I** 16162 Sri Lanka (Kandy) 8021
- V** *Senecio garlandii* Belcher 20681  
**V** 20681 Australia - New South Wales 20681
- Ex** *Senecio georgianus* DC. 20681, 5465  
**Ex** 20681 Australia - New South Wales 20681  
**Ex** 20681 Australia - South Australia 20681  
**Ex** 20681 Australia - Victoria 20681
- R** *Senecio glaucus* L. ssp. *cyprusi*  
Meikle 14230  
**R** 19164 Cyprus 14230
- R** *Senecio gnaphalodes* Sieber 20171  
**R** 20731 Greece - Crete (inc. Saria, Karpathos)  
20731
- R** *Senecio greenei* Gray 20850  
**I** 20850 U.S. - California 20850
- E** *Senecio hadrosomus* Svent. 15105  
**E** 15105 Spain - Canary Is. 15105
- E** *Senecio hansenii* Kunkel 15105  
**E** 15105 Spain - Canary Is. 15105
- E** *Senecio hansweberi* Cuatr. 20883, 9641  
**I** 20883 Costa Rica 20883
- E** *Senecio hermosae* Pitard 15105  
**E** 19174 Spain - Canary Is. 14155
- V** *Senecio hesperius* Greene 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Senecio hieronymi* Grisebach 20176  
**R** 20176 Argentina - Cordoba 20176  
**R** 20176 Argentina - Catamarca 20176
- R** 20176 Argentina - Jujuy 20176  
**R** 20176 Argentina - La Rioja 20176  
**R** 20176 Argentina - Mendoza 20176  
**R** 20176 Argentina - Salta 20176  
**R** 20176 Argentina - Santiago del Estero 20176  
**R** 20176 Argentina - San Luis 20176
- E** *Senecio huachucanus* Gray 20883, 8058  
**V** 19002 U.S. - Arizona 8058  
**E** 20883 Mexico 20883
- V** *Senecio huntii* F. Muell.  
**V** New Zealand - Chatham Is.
- R** *Senecio hyperborealis* Greenm. ssp. *wrangolica*  
Jurtz., Korobk. & Petrovsky 21309  
**R** 21309 Russia (E.Europe) - North 21309
- R** *Senecio hypochionaeus* Boiss. var.  
*hypochionaeus* 12840  
**R** 12840 Turkey 12840
- R** *Senecio insubricus* Hess & Landolt 18154, 20678  
**I** Italy 8000  
**R** 18154 Switzerland 18154
- V** *Senecio integerrimus* Nutt. var. *ochroleucus* (Gray)  
Cronq. 20850, 14409  
**I** 20850 Canada - Alberta 20850  
**Ex/E** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Senecio jacobaea* L. ssp. *gotlandicus* (Neuman)  
Sternern 18216  
**R** 18216 Sweden 18216
- R** *Senecio johnstonii* Oliv. ssp. *battiscombei* (R.E. &  
T.C.E. Fr.) Mabblerley var. *battiscombei* 20057  
**R** 17435 Kenya (Mt. Kenya; Nyandarua; Aberdares)  
20057
- V** *Senecio johnstonii* Oliv. ssp. *battiscombei* (R.E. &  
T.C.E. Fr.) Mabblerley var. *cherenganiensis* Cotton &  
Blakel. 20057  
**V** 20057 Kenya (Cherangani hills) 20057
- V** *Senecio johnstonii* Oliv. ssp. *battiscombei* (R.E. &  
T.C.E. Fr.) Mabblerley var. *dalei* (Cotton & Blakelock) C.  
Jeffrey 20057  
**V** 20057 Kenya (Marakwet) 20057
- R** *Senecio johnstonii* Oliv. ssp. *elgonensis* (T.C.E.  
Fr.) Mabblerley var. *elgonensis* 20057  
**R** 20057 Kenya (Mt. Elgon) 20057  
**R** 20057 Uganda (Mt. Elgon) 20057
- R** *Senecio johnstonii* Oliv. ssp. *elgonensis* (T.C.E.  
Fr.) Mabblerley var. *ligulatus* (Cotton & Blakel.) C.  
Jeffrey 20057  
**R** 20057 Kenya (Mt. Elgon) 20057  
**R** 20057 Uganda (Mt. Elgon) 20057
- R** *Senecio jurineifolius* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Senecio kalingenwae* Hilliard & B.L. Burt 20604  
**R** 20604 South Africa - Natal 20604
- R** *Senecio karelinoides* Winkler 8001  
**R** Asiatic U.S.S.R. (Pamir-Alai) 6930
- R** *Senecio keniensis* Bak. ssp. *brassiciformis* (R.E. &  
T.C.E. Fr.) C. Jeffrey 20057  
**R** 20057 Kenya (Nyandarua; Aberdares) 20057
- R** *Senecio keniensis* Bak. ssp. *keniensis* 20057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Senecio*

- R 20057 Kenya (Mt. Kenya) 20057
- R *Senecio keniodendron* R.E. & T.C.E. Fries 20057
- R 20057 Kenya (Mt. Kenya; Nyandarua; Aberdares) 20057
- E *Senecio kuhbieri* Cuatr. 20883, 9641
- I 20883 Costa Rica 20883
- E *Senecio kundaicus* C. Fischer 11494
- E 11494 India - Tamil Nadu 11494
- E *Senecio lagascanus* DC. ssp. *lusitanicus* (P.Cout) Pinto da Silva 20076
- E 20076 Portugal 17891
- E *Senecio lamarckianus* Bullock 10260
- E 20771 Mauritius 10082
- V *Senecio laticostatus* Belcher 20681
- V 20681 Australia - Victoria 20681
- R *Senecio lautus* Forst.f. ex Willd. var. *esperensis* Sykes 19106
- R 19305 New Zealand - Kermadec Is. 19106
- V *Senecio layneae* Greene 20850
- V 20850 U.S. - California 20850
- R *Senecio lazicus* Boiss. & Bal. 12840
- R 12840 Turkey 12840
- R *Senecio lemmonii* Gray 20850
- I 20850 U.S. - Arizona 20850
- R *Senecio leucoglossus* F.Muell. 20681
- R 20681 Australia - Western Australia 20681
- V *Senecio lopezii* Boiss. 20171
- E 20076 Portugal 20076
- V Spain
- E *Senecio lyonii* Gray 20850
- I 20850 U.S. - California 20850
- R *Senecio macranthus* A.Rich. 20681
- R 20681 Australia - New South Wales 20681
- V *Senecio macrocarpus* Belcher 20681
- I 20681 Australia - South Australia 20681
- Ex/E 20681 Australia - Tasmania 20681
- I 20681 Australia - Victoria 20681
- R *Senecio malacitanus* Huter ssp. *frigidus* (Boiss.) S. Rivas-martinez, A. Asensi, J. Molero Mesa & f. Valle 20874
- R 20874 Spain (Sierra Nevada) 20874
- R *Senecio malvifolius* (L'Hér.) DC. 19174, 20171
- R 19174 Portugal - Azores 19174
- R *Senecio marotiri* 19305
- R 19305 New Zealand - North Is. 19305
- R *Senecio mayurii* C. Fischer 14782
- R 14782 India - Karnataka 14782
- V *Senecio megaglossus* F.Muell. 20681
- V 20681 Australia - South Australia 20681
- R *Senecio meuselii* Rauh 10368
- R 20578 Madagascar (Fianarantsoa) 20578
- V *Senecio millefolium* Torr. & Gray 20850
- E 20850 U.S. - Georgia 20850
- V 20850 U.S. - North Carolina 20850
- V 20850 U.S. - South Carolina 20850
- E 20850 U.S. - Virginia 20850
- V *Senecio mishmi* Clarke 14782
- V 14782 India - Meghalaya 14782
- V *Senecio moaensis* Alain 5607
- V 19105 Cuba (Holguin) 5607
- R *Senecio moldenkei* Greenman 5607
- R 19105 Cuba (Holguin) 5607
- R *Senecio morrisonensis* Hayata 20511
- R 20511 Taiwan 20511
- I *Senecio multidentatus* var. *huachucanus* (Gray) T.M. Barkl. 20883, 20850
- E 20850 U.S. - Arizona 20850
- I 20883 Mexico 20883
- V *Senecio multiflorus* (L'Herit.) Schultz Bip. 15105
- V 15105 Spain - Canary Is. 15105
- R *Senecio murrayi* Bornm. 15105
- R 15105 Spain - Canary Is. 15105
- R *Senecio neomexicanus* (Greene) T.M. Barkl. var. *toumeyi* (Greene) T.M. Barkl. 20850
- V 20850 U.S. - Arizona 20850
- V *Senecio neowebsteri* Blake 20850
- ? 20850 U.S. - Washington 20850
- V *Senecio nevadensis* Boiss. & Reut. 8000, 20171
- V Spain 11496
- R *Senecio newcombei* Greene 20850, 10701
- R 20850 Canada - British Columbia 20850
- R *Senecio olympicus* Boiss. 12840
- R 12840 Turkey 12840
- I *Senecio otopterus* Philippi 16336
- I 16336 Argentina 16336
- I 20176 Argentina - Jujuy 20176
- I 20176 Argentina - Tucuman 20176
- R *Senecio ovatifolius* Boiss. 12840
- R 12840 Turkey 12840
- R *Senecio pachylepis* Greenman 5607
- R 19105 Cuba (Holguin, Guantanamo) 5607
- R *Senecio palmensis* (C. Smith ex Nees) Link 15105
- R 15105 Spain - Canary Is. 15105
- R *Senecio papillosus* F.Muell. 20681
- R 20681 Australia - Tasmania 20681
- R *Senecio peltophorus* Brenan 7849
- R Malawi 7849
- R *Senecio pentacopus* D. Drury
- R New Zealand - North Is.
- R *Senecio perdicoides* Hook.f.
- R New Zealand - North Is.
- R *Senecio persoonii* De Not. 20171
- R Italy
- R *Senecio petraeus* Boiss. & Reut. 20171
- R Spain
- R *Senecio platyphyllus* DC. var. *glandulosus* Mathews 12840
- R 12840 Turkey 12840
- R *Senecio primulifolius* F.Muell. 20681
- R 20681 Australia - Tasmania 20681
- V *Senecio quaerens* Greene 20850
- E 20850 U.S. - Arizona 20850
- E 20850 U.S. - New Mexico 20850
- V *Senecio quercetorum* Greene 20850
- I 20850 U.S. - Arizona 20850
- R *Senecio quinqueradiatus* Boiss. ex DC. 20171
- R Spain
- R *Senecio radiolatus* F. Muell.
- R New Zealand - Chatham Is.
- R *Senecio radiolatus* ssp. *antipodus* 19106

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Senecio*

- R 19106 New Zealand - Antipodes Is. 19106
- R *Senecio rhabdos* Clarke 14782  
R 14782 India - Manipur 14782  
R 14782 India - Nagaland 14782
- R *Senecio roripaeifolius* Cabrera 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - La Rioja 20176  
R 20176 Argentina - Tucuman 20176
- V *Senecio rosinae* Gamisans 15080  
V 15080 France - Corsica 15080
- R *Senecio sacramentanus* Woot. & Standl. 20850  
R 20850 U.S. - New Mexico 20850
- R *Senecio sandrasicus* Davis 12840  
R 12840 Turkey 12840
- R *Senecio saniensis* Hilliard & B.L.Burt 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Natal 20604
- V *Senecio saugeti* Alain 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Senecio saxifragoides* Hook.f.  
R New Zealand - South Is.
- V *Senecio scaberulus* 19305  
V 19305 New Zealand - North Is. 19305  
V 19305 New Zealand - South Is. 19305
- R *Senecio sciadophilus* Raoul  
R New Zealand - South Is.
- E *Senecio smithianus* Cabrera 18200  
E 9446 Peru 18200
- V *Senecio spellenbergii* T.M. Barkl. 20850  
E 20850 U.S. - New Mexico 20850
- R *Senecio steetzii* Bolle 15105  
R 15105 Spain - Canary Is. 15105
- R *Senecio streptanthifolius* Greene var. *laetiflorus*  
(Greene) J.F. Bain 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Senecio taitoensis* Hayata 20511  
R 20511 Taiwan 20511
- R *Senecio takedanus* Kitam. 10573  
R 10573 Japan 10573
- R *Senecio tauricolus* Matthews 12840  
R 12840 Turkey 12840
- I *Senecio teneriffae* Schultz Bip.  
I Spain - Canary Is.
- R *Senecio traversii* F. Muell.  
R New Zealand - South Is.
- I *Senecio tucumanensis* Cabrera 16336  
I 16336 Argentina 16336
- R *Senecio turneri* Cheeseman  
R New Zealand - North Is.
- R *Senecio uniflorus* (All.) All., non Retz. 18154  
R 20528 France 20528  
I Italy 20528  
R 18154 Switzerland 18154
- R *Senecio villifructus* Hilliard 20604  
R 20604 South Africa - Natal 20604
- R *Senecio violaeifolius* Cabrera 12468  
R 12468 Peru 12468
- R *Senecio warnockii* Shinnars 20850  
I 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Texas 20850
- R *Senecio whyteanus* Britten 7757  
R Malawi (Mlanje) 7757
- R *Serratula bulgarica* Aht. & Stoj. 8000, 20171  
R 5204 Bulgaria (north-east) 5204  
V 19608 Romania (eastern) 8000
- R *Serratula cichoracea* (L.) DC. ssp. *cretica*  
Turrill 20171  
R 20731 Greece - Crete 20731
- R *Serratula flavescens* (L.) Poir. 20171  
R Spain
- R *Serratula hakkiarica* Davis 12840  
R 12840 Turkey 12840
- R *Serratula lasiocephala* Bornm. 12840  
R 12840 Turkey 12840
- R *Serratula lycopifolia* (Vill.) A.Kern. 8000, 20171  
V Austria  
V 21091 Bosnia & Herzegovina 21091  
V Czech & Slovak Federal Republic  
E 20528 France 20528  
V 20686 Hungary 20686  
V 19366 Poland (south east) 18216  
I 19947 Romania 20631  
V 19615 Slovakia 19615  
R 13662 Slovenia (south western) 13662
- I *Serratula tanaitica* P.A.Smirn. 5942, 20171  
I 5942 Russia (E.Europe) - South 5942
- V *Silphium brachiatum* Gattinger 20850  
V 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Tennessee 20850
- R *Silphium perfoliatum* L. var. *connatum* (L.) Cronq. 20850  
I 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Maryland 20850  
20850 U.S. - North Carolina 20850  
I 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- R *Silphium pinnatifidum* Ell. 20850  
E 20850 U.S. - Alabama 20850  
R 20850 U.S. - Georgia 20850  
E 20850 U.S. - Illinois 20850  
I 20850 U.S. - Indiana 20850  
I 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Ohio 20850  
V 20850 U.S. - Tennessee 20850
- V *Silphium reverchonii* Bush 20850  
I 20850 U.S. - Texas 20850
- R *Silphium terebinthinaceum* Jacq. var. *luciae-brauniae* Steyermark 20850  
I 20850 U.S. - Illinois 20850  
R 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Mississippi 20850  
I 20850 U.S. - Ohio 20850
- R *Simsia jamaicensis* Blake 20883, 13336  
R 13336 Jamaica 20883
- E *Simsia panamensis* Rob. & Brett. 20883, 9006  
I 20883 Panama 20883
- E *Sipolisia lanuginosa* Glaz. 2358  
E 2358 Brazil - Minas Gerais 2358
- V *Solidago albopilosa* E.L. Braun 20850  
V 20850 U.S. - Kentucky 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Solidago*

- V** *Solidago deamii* Fern. 20850  
**V** 20850 U.S. - Indiana 20850
- V** *Solidago dumetorum* Lunell 20850  
**I** 20850 Canada - Saskatchewan 20850  
**I** 20850 U.S. - North Dakota 20850
- Ex/E** *Solidago durangensis* Nesom 14294  
**Ex/E** 14294 Mexico - Durango 14294
- R** *Solidago gattingeri* Chapman 20850  
**I** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Missouri 20850  
**E** 20850 U.S. - Tennessee 20850  
**I** 20850 U.S. - Texas 20850
- R** *Solidago glomerata* Michx. 20850  
**R** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Tennessee 20850
- V** *Solidago guiradonis* Gray 20850  
**V** 20850 U.S. - California 20850
- R** *Solidago houghtonii* Torr. & Gray ex Gray 20850.  
 14352  
**V** 20850 Canada - Ontario 20850  
**I** 20850 U.S. - Illinois 20850  
**R** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - New York (Genesee Co.) 20850
- I** *Solidago macrorrhiza* Lange 20171  
**I** France  
**I** Spain
- R** *Solidago minutissima* (Makino) Kitam. 10573  
**R** 10573 Japan 10573
- R** *Solidago mollis* Shinners var. *angustata*  
 Shinners 20850  
**I** 20850 U.S. - Oklahoma 20850  
**V** 20850 U.S. - Texas 20850
- R** *Solidago ouachitensis* C. & J. Taylor 20850  
**R** 20850 U.S. - Arkansas 20850  
**E** 20850 U.S. - Oklahoma 20850
- E** *Solidago plumosa* Small 20850  
**E** 20850 U.S. - North Carolina 20850
- Ex/E** *Solidago porteri* Small 20850, 14662  
**Ex/E** 20850 U.S. - Georgia 20850  
**Ex** 14662 U.S. - North Carolina 14662
- R** *Solidago pulchra* Small 20850  
**R** 20850 U.S. - North Carolina 20850
- E** *Solidago shortii* Torr. & Gray 20850  
**E** 20850 U.S. - Indiana 20850  
**E** 20850 U.S. - Kentucky (Robertson County) 20850
- E** *Solidago simplex* var. *chlorolepis* (Fern.) Kartesz & Gandhi 20850  
**E** 20850 Canada - Quebec 20850
- V** *Solidago simplex* var. *ontarioensis* (Ringius) Ringius 20850  
**I** 20850 Canada - Manitoba 20850  
**R** 20850 Canada - Ontario 20850  
**I** 20850 U.S. - Michigan 20850  
**I** 20850 U.S. - Wisconsin 20850
- V** *Solidago simulans* Fern. 20850  
**I** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850
- E** *Solidago spithamea* M.A. Curtis 20850  
**E** 20850 U.S. - North Carolina (Avery Co.) 20850  
**E** 20850 U.S. - Tennessee (Carter Co.) 20850
- R** *Solidago verna* M.A. Curtis 20850  
**R** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850
- V** *Solidago virgaurea* L. ssp. *rupicola* (Rouy) Lambinon 20528  
**V** 20528 France (south-west) 20528
- R** *Sonchus acaulis* Dum. Cours. 15105  
**R** 15105 Spain - Canary Is. 15105
- E** *Sonchus arboreus* DC.  
**E** Spain - Canary Is.
- V** *Sonchus bornmuelleri* Pitard 15105  
**E** 15105 Spain - Canary Is. 15105
- V** *Sonchus bourgeauii* Schultz Bip. 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Sonchus brachylobus* Webb & Berthel. 15105  
**R** 15105 Spain - Canary Is. 15105
- V** *Sonchus canariensis* (Schultz Bip.) Boulos 15105  
**V** 15105 Spain - Canary Is. 15105
- V** *Sonchus erzincanicus* Matthews 12840  
**V** 12840 Turkey 12840
- V** *Sonchus fauces-orci* Knoch 15105  
**V** 20750 Spain - Canary Is. 15105
- R** *Sonchus fitifolius* Svent. 20750  
**R** 20750 Spain - Canary Is. 20750
- E** *Sonchus gandogerii* Pitard 15105  
**E** 20750 Spain - Canary Is. 15105
- R** *Sonchus gonzalezpadronii* Svent. 15105  
**R** 15105 Spain - Canary Is. 15105
- R** *Sonchus gummifer* Link 15105  
**R** 20750 Spain - Canary Is. 15105
- V** *Sonchus imbricatus* Svent. 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Sonchus leptcephalus* Cass. ssp. *capillaris* (Svent.) Aldridge  
**R** Spain - Canary Is.
- R** *Sonchus ortunoi* Svent. 15105  
**R** 15105 Spain - Canary Is. 15105
- R** *Sonchus pinnatus* Aiton  
**R** Portugal - Madeira
- E** *Sonchus pinnatus* Aiton. ssp. *canariensis* (Schultz Bip.) Aldridge  
**E** Spain - Canary Is.
- R** *Sonchus platylepis* Webb ex Schultz Bip.  
**R** Spain - Canary Is.
- V** *Sonchus radicans* Aiton ssp. *gummifer* (Link) Aldridge  
**V** Spain - Canary Is.
- E** *Sonchus radicans* Aiton ssp. *tectifolius* (Svent.) Aldridge  
**E** Spain - Canary Is.
- R** *Sonchus regis-jubae* Pitard  
**R** Spain - Canary Is.
- V** *Sonchus tectifolius* Svent. 15105  
**V** 15105 Spain - Canary Is. 15105
- R** *Sonchus tuberifer* Svent. 15105  
**R** 15105 Spain - Canary Is. 15105
- V** *Sonchus ustulatus* Lowe ssp. *maderensis* Aldr., in press  
**V** Portugal - Madeira
- R** *Sonchus ustulatus* Lowe ssp. *ustulatus*  
**R** Portugal - Madeira

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Sonchus*

- E** *Sonchus wildpretii* U. et A. Reifemberger 19464  
**E** 19464 Spain - Canary Is. (Gomera) 19464
- V** *Spaniopappus ekmanii* Robins. 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Sphaeromeria argentea* Nutt. 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Sphaeromeria capitata* Nutt. 20850  
**E** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - Utah 20850  
**R** 20850 U.S. - Wyoming 20850
- V** *Sphaeromeria compacta* (Hall) Holmgren, Shultz & Lowrey 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Sphaeromeria ruthiae* Holmgren, Shultz & Lowrey 20850  
**V** 20850 U.S. - Utah 20850
- E** *Sphaeromeria simplex* (A. Nels.) Heller 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Staelhelina fruticosa* (L.) L. 20171  
**R** Greece
- I** *Steirodiscus schlechteri* Bolus ex Schltr. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Steirodiscus speciosus* (Pillans) B.Nord. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Stemmacantha australis* (Gaudich.) Dittrich 20681  
**Ex/E** 20681 Australia - New South Wales 20681  
**V** 20681 Australia - Queensland 20681  
**Ex/E** 20681 Australia - Victoria 20681
- E** *Stemmacantha cynaroides* Cass. 8000, 20171  
**E** 19174 Spain - Canary Is. 19174
- V** *Stenotus borealis* Rydb. 20850  
**V** 20850 Canada - Yukon Territory 20850
- V** *Stephanomeria blairii* Munz & Johnston 20850  
**V** 20850 U.S. - California 20850
- V** *Stephanomeria diegensis* Gottlieb 20850  
**I** 20850 U.S. - California 20850
- E** *Stephanomeria malheurensis* Gottlieb 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Stephanomeria schottii* Gray 20883, 20850  
**V** 20850 U.S. - Arizona 20850  
 20883 Mexico 20883
- E** *Stephanomeria tenuifolia* (Torr.) Hall var. *uintensis* Goodrich & Welsh 20850  
**E** 20850 U.S. - Utah 20850
- R** *Stephanomeria wrightii* Gray 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Texas 20850
- I** *Steptorhamphus czerepanovii* Kirpiczn. 5942  
**I** 5942 Armenia 5942  
**I** 5942 Azerbaijan 5942
- R** *Steptorhamphus singularis* (Wilmott) Fernandes Casas  
**R** Spain
- R** *Stevia cruzii* Grashoff 9613  
**R** 19755 Mexico 9613
- R** *Stevia heptachaeta* DC. 16747  
**R** 16747 Brazil - Goias (Serra Doucada) 16747
- V** *Stevia lemmonii* (Gray) Gray 20850  
**I** 20850 U.S. - Arizona 20850
- V** *Stevia lemmonii* (Gray) Gray 20883, 20850  
**I** 20883 Mexico 20883
- R** *Stevia perfoliata* Cronq. 9618  
**R** 19755 Mexico 9618
- R** *Stevia plummerae* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Stevia rzędowskii* McVaugh 9532  
**R** 19755 Mexico 9532
- R** *Stevia seemannioides* Grashoff 9613  
**R** 19755 Mexico 9613
- R** *Stevia talpensis* Grashoff 9613  
**R** 19755 Mexico 9613
- V** *Stoebe gomphrenoides* (Lam.) P.J.Bergius 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Stoebe humilis* Levyns 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Stoebe muiirii* Levyns 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Stoebe salteri* Levyns 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Stomatochaeta acuminata* Pruski 20883  
**I** 20883 Venezuela 20883
- R** *Strotheria gypsophila* B. Turner 9615  
**R** 19755 Mexico 9615
- E** *Stylocline sonorensis* Wiggins 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - California 20850
- V** *Sventenia bupleuroides* Font Quer 14166  
**V** 20750 Spain - Canary Is. (Gran Canaria) 14166
- V** *Syncarpha recurvata* (L.f.) B.Nord. 20604  
**V** 20604 South Africa - Cape Province 20604
- Ex/E** *Syneilesis aconitifolia* Maxim. var. *longilepis* Kitam. 10573  
**Ex/E** 10573 Japan 10573
- V** *Syneilesis intermedia* (Hayata) Kitamura 20511  
**V** 20511 Taiwan 20511
- R** *Syneilesis subglabrata* (Yamamoto & Sasaki) Kitamura 20511  
**R** 20511 Taiwan 20511
- R** *Syneilesis tagawae* Kitam. 10573  
**R** 10573 Japan 10573
- R** *Synosma suaveolens* (L.) Raf. ex Britt. 20850  
**Ex/E** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - District of Columbia 20850  
**E** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - Illinois 20850  
**I** 20850 U.S. - Indiana 20850  
**V** 20850 U.S. - Iowa 20850  
**I** 20850 U.S. - Kentucky 20850  
**I** 20850 U.S. - Maine 20850  
**E** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - Minnesota 20850  
**I** 20850 U.S. - Missouri 20850  
**Ex** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - New York 20850  
**Ex/E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Ohio 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Synosma*

- R 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - Rhode Is. 20850  
 V 20850 U.S. - Tennessee 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850  
 I 20850 U.S. - Wisconsin 20850
- I *Synotis simonsii* (Clarke) Jeffrey & Chen 14782  
 I 14782 India - Assam 14782
- R *Syntrichopappus lemmonii* (Gray) Gray 20850  
 I 20850 U.S. - California 20850
- V *Taeckholmia arborea* (DC.) Boulos  
 V 20750 Spain - Canary Is. 15105
- R *Taeckholmia canariensis* Boulos  
 R 15105 Spain - Canary Is. 15105
- R *Taeckholmia capillaris* (Svent.) Boulos  
 R 15105 Spain - Canary Is. 15105
- E *Taeckholmia heterophylla* Boulos 20750  
 E 20750 Spain - Canary Is. 20750
- R *Taeckholmia microcarpa* Boulos  
 R 20750 Spain - Canary Is. 15105
- I *Tanacetum akinfievii* (Alexeenko) Tzvel. 5942, 20627  
 I 5942 Transcaucasus 5942
- R *Tanacetum albipannosum* Huber-Mor. & Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum alyssifolium* (Bornm.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum argenteum* (Lam.) Willd. ssp. *canum* (C. Koch) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum argenteum* (Lam.) Willd. ssp. *flabellifolium* (Boiss. & Heldr.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum cappadocicum* (DC.) Schultz Bip. 12840  
 R 12840 Turkey 12840
- R *Tanacetum densum* (Lab.) Schultz Bip. ssp. *laxum* Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum densum* (Lab.) Schultz Bip. ssp. *sivasicum* Hub.-Mor. & Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum eginense* (Hausskn. ex Bornm.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum ferulaceum* (Webb) Schultz Bip. 20750  
 R 15105 Spain - Canary Is. 15105
- I *Tanacetum funkii* Sch.Bip. ex Willk. 20171  
 I Spain
- R *Tanacetum germanicopolitanum* (Bornm. & Heimerl) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum haradjanii* (Rech.fil.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum haussknechtii* (Bornm.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum heterotomum* (Bornm.) Grierson 12840  
 R 12840 Turkey 12840
- V *Tanacetum mucronulatum* (Hoffmanns. & Link) Heywood 20171  
 V 20076 Portugal 20076
- R *Tanacetum oltense* (Sosn.) Grierson 12840
- R 12840 Turkey 12840
- R *Tanacetum oxistegium* (Sosn.) Grierson 12840  
 R 12840 Turkey 12840
- R *Tanacetum paczoskii* (Zefir.) Tzvelev 20171  
 R former European USSR
- R *Tanacetum praeteritum* (Horwood) Heywood 12840  
 R 12840 Turkey 12840
- V *Tanacetum piarmiciflorum* (Webb) Schultz Bip. 17891  
 V 20750 Spain - Canary Is. 17891
- R *Taraxacum aristum* Hagl. & Markl. 20681  
 I 20681 Australia - Capital Territory 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Tasmania 20681  
 I 20681 Australia - Victoria 20681
- V *Taraxacum californicum* Munz & Johnston 20850  
 V 20850 U.S. - California 20850
- V *Taraxacum cygnorum* Hand.-Mazz. 20681  
 I 20681 Australia - Tasmania 20681  
 I 20681 Australia - Victoria 20681  
 Ex/E 20681 Australia - Western Australia 20681
- R *Taraxacum czaunense* Jurtz. & Tzvel. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum czukoticum* Jurtz. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum dovense* (Dahlst.) Dahlst. 17832, 20171  
 R 17832 Norway 17832
- R *Taraxacum glaciale* A.Huet ex Hand.-Mazz. 18264, 20171  
 R 18264 Italy (Abruzzi, Lazio) 18264
- R *Taraxacum holmboei* Lindb.f. 14230  
 R 19164 Cyprus (Troodos, Platania, Prodromos, Chionistra) 14230
- R *Taraxacum jurtzevii* Tzvel. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum leucocarpum* Jurtz. & Tzvel. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum petrovskiyi* Tzvel. var. *petrovskiyi* Tzvel. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum pseudoplatylepium* Jurtz. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum semitubulosum* Jurtz. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum taimyrense* Tzvel. 21309, 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum turiense* N.I.Orlova 20171  
 R former European USSR
- R *Taraxacum uschakovii* Jurtz. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum wrangelicum* Tzvel. 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Taraxacum yuparense* H. Koidz. 10573  
 R 10573 Japan 10573
- Telanthophora arborescens* (Steetz) H.E. Rob. & Brett. 20883, 10747  
 I 20883 Panama 20883
- R *Telekia speciosissima* (L.) Less. 20171  
 R Italy
- V *Tephrosia helenitis* (L.) B. Nordenstam ssp. *candida* (Corb.) B. Nordenstam 20528

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Tephrosieris*

- V 20528 France (Normandy) 20528
- V *Tephrosieris helenitis* (L.) B. Nordenstam ssp. *macrochaeta* (Willk. & Lange) B. Nordenstam 20528  
E 20528 France (Pyrénées-Atlantiques) 20528  
V 20528 Spain 20528
- R *Tephrosieris integrifolia* (L.) Holub. ssp. *karsianus* Mathews 12840  
R 12840 Turkey 12840
- I *Tephrosieris integrifolia* (L.) Holub. ssp. *serpentina* (G. Gayer) S. Javorka 20171  
I Austria
- I *Tephrosieris longifolia* (Jacq.) Griseb. et Schenk ssp. *moravica* Holub 2050  
I 19711 Czech Republic 2050  
I 17821 Slovakia 17821
- R *Tetradymia argyrea* Munz & Roos 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E *Tetramolopium arenarium* (Gray) Hbd. 20850  
I 20850 U.S. - Hawaii 20850
- E *Tetramolopium arenarium* (A.Gray) Hillebrand var. *arenarium* 20850, 14209  
E 20850 U.S. - Hawaii (Maui, Hawai'i) 20850
- Ex/E *Tetramolopium arenarium* (A.Gray) Hillebrand var. *confertum* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Tetramolopium arenarium* (A.Gray) Hillebr. ssp. *laxum* Lowrey 20850, 14209  
I 20850 U.S. - Hawaii (east Maui) 20850
- E *Tetramolopium capillare* (Gaud.) St. John 20850, 14209  
E 20850 U.S. - Hawaii (West Maui) 20850
- E *Tetramolopium consanguineum* (Gray) Hbd. 20850  
I 20850 U.S. - Hawaii 20850
- Ex/E *Tetramolopium consanguineum* (Gray) Hbd. ssp. *consanguineum* 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E *Tetramolopium consanguineum* (Gray) Hbd. var. *kauense* Lowrey 20850  
E 20850 U.S. - Hawaii 20850
- E *Tetramolopium consanguineum* (Gray) Hbd. var. *leptophyllum* Sherff 20850  
E 20850 U.S. - Hawaii 20850
- V *Tetramolopium consanguineum* (Gray) Hbd. ssp. *leptophyllum* (Sherff) Lowrey var. *kauense* Sherff 14301  
V 14301 U.S. - Hawaii 14301
- Ex/E *Tetramolopium conyzoides* (Gray) Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E *Tetramolopium filiforme* Sherff 20850, 14209  
I 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- E *Tetramolopium filiforme* Sherff var. *filiforme* 20850  
E 20850 U.S. - Hawaii 20850
- E *Tetramolopium filiforme* Sherff var. *polyphyllum* (Sherff) Lowrey 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R *Tetramolopium humile* (Gray) Hbd. 20850  
I 20850 U.S. - Hawaii 20850
- E *Tetramolopium humile* (Gray) Hbd. var. *sublaeve* Sherff 20850, 14209  
E 20850 U.S. - Hawaii (Hawai'i) 20850
- E *Tetramolopium lepidotum* (Less.) Sherff 20850  
I 20850 U.S. - Hawaii 20850
- Ex/E *Tetramolopium lepidotum* (Less.) Sherff ssp. *arbusculum* (Gray) Lowrey 20850, 10260  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Tetramolopium lepidotum* (Less.) Sherff ssp. *lepidotum* 20850  
E 20850 U.S. - Hawaii 20850
- E *Tetramolopium lepidotum* (Less.) Sherff var. *lepidotum* 14209
- E *Tetramolopium remyi* (Gray) Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (Lana'i) 20850
- E *Tetramolopium rockii* Sherff 20850, 14209  
I 14209 U.S. - Hawaii (Moloka'i) 20850
- E *Tetramolopium rockii* Sherff var. *calcisabulorum* (St. John) Lowrey 20850  
E 20850 U.S. - Hawaii 20850
- E *Tetramolopium rockii* Sherff var. *rockii* 20850  
E 20850 U.S. - Hawaii 20850
- V *Tetramolopium sylvae* Lowrey 20850, 14209  
E 19473 Cook Is. (Southern group) (Mitiaro) 14209  
V 20850 U.S. - Hawaii (Molokai & Maui) 20850
- Ex/E *Tetramolopium tenerrimum* (Less.) Nees 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Oahu - Ko'olau Mts) 20850
- V *Tetramolopium vagans* Pedley 20681  
V 20681 Australia - Queensland 20681
- E *Tetraneuris depressa* (Torr. & Gray ex Gray) Greene 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Utah 20850
- V *Tetraneuris herbacea* Greene 20850  
V 20850 Canada - Ontario 20850  
E 20850 U.S. - Illinois 20850  
V 20850 U.S. - Ohio 20850
- R *Tetraneuris turneri* (Parker) Parker 20850  
R 20850 U.S. - Texas 20850
- E *Tetraperone bellitoides* (Griseb.) Urban 5607  
E Cuba (Pinar del Rio) 5607
- R *Thaminophyllum latifolium* Bond. 20604  
R 20604 South Africa - Cape Province 20604
- R *Thaminophyllum mundii* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- R *Thaminophyllum mundtii* Harvey  
R South Africa - Cape Province
- E *Thelesperma caespitosum* Dorn  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- V *Thelesperma curvicaupum* T.E. Melchert 20850  
V 20850 U.S. - Texas 20850
- E *Thelesperma pubescens* Dorn 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Wyoming 20850
- E *Thelesperma subnudum* A.Gray var. *alpinum* Welsh 20850, 11630



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Thelesperma*

- E 20850 U.S. - Utah 20850
- V *Thurovia triflora* Rose 20850  
V 20850 U.S. - Texas 20850
- E *Thymophylla tephroleuca* (Blake) Strother 20850,  
14621  
E 20850 U.S. - Texas (Zapata Co.) 20850
- E *Thymopsis polyantha* (Urban) Borh. & Muniz 5607  
E 19105 Cuba (Matanzas; Villa Clara) 5607
- R *Tolpis azorica* (Nutt.) P.Silva 19174, 20171  
R 19174 Portugal - Azores 19174
- V *Tolpis crassiuscula* Svent. 20750  
V 15105 Spain - Canary Is. 15105
- E *Tolpis glabrescens* Kammer 20750  
E 20750 Spain - Canary Is. 15105
- R *Tolpis macrorrhiza* (Lowe ex Hook.) DC.  
R Portugal - Madeira
- R *Tomanthea daralghzeica* (Fomin) Takht.  
R former USSR 6930
- R *Tonestus aberrans* (A. Nels.) Nesom & Morgan 20850  
R 20850 U.S. - Idaho 20850  
E 20850 U.S. - Montana 20850
- V *Tonestus alpinus* (L.C. Anders. & Goodrich) Nesom &  
Morgan 20850  
V 20850 U.S. - Nevada 20850
- E *Tonestus graniticus* (Tiehm & L. Shultz) Nesom &  
Morgan 20850  
E 20850 U.S. - Nevada 20850
- R *Tonestus peirsonii* (Keck) Nesom & Morgan 20850  
I 20850 U.S. - California 20850
- V *Townsendia alpigena* Piper var. *caelilinensis*  
(Welsh) Kartesz & Gandhi 20850  
V 20850 U.S. - Utah 20850
- V *Townsendia alpigena* Piper var. *minima* (Eastw.)  
Dorn 20850  
V 20850 U.S. - Utah 20850
- E *Townsendia aprica* Welsh & Reveal 20850  
E 20850 U.S. - Utah (Sevier, Wayne & Emery Co.)  
20850
- V *Townsendia condensata* (Heiser) Dorn var. *anomala*  
(Heiser) Dorn 20850  
V 20850 U.S. - Wyoming 20850
- V *Townsendia formosa* Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E *Townsendia jonesii* (Beaman) Reveal var.  
*jonesii* 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E *Townsendia jonesii* (Beaman) Reveal var. *lutea*  
Welsh 20850  
E 20850 U.S. - Utah 20850
- V *Townsendia jonesii* (Beaman) Reveal var. *tumulosa*  
Reveal 20850  
V 20850 U.S. - Nevada 20850
- R *Townsendia mensana* M.E.Jones 20850  
R 20850 U.S. - Utah 20850
- R *Townsendia nuttallii* Dorn 20850  
V 20850 U.S. - Montana 20850  
R 20850 U.S. - Wyoming 20850
- V *Townsendia rothrockii* Gray ex Rothrock 20850
- I 20850 U.S. - Colorado 20850  
E 20850 U.S. - New Mexico 20850
- V *Townsendia smithii* L. Shultz & A. Holmgren 20850  
V 20850 U.S. - Arizona 20850
- R *Townsendia spathulata* Nutt. 20850  
I 20850 Canada - Alberta 20850  
R 20850 U.S. - Montana 20850  
R 20850 U.S. - Wyoming 20850
- E *Tracyina rostrata* Blake 20850, 14662  
E 20850 U.S. - California 20850
- R *Tragopogon albinervis* Freyn & Sint 12840  
R 12840 Turkey 12840
- R *Tragopogon collinus* DC. 8895  
R Egypt  
E Israel 8895  
R Jordan 8937
- V *Tragopogon cretaceus* S.A.Nikitin 20171  
V former European USSR
- R *Tragopogon fibrosus* Freyn & Sint. ex Freyn 12840  
R 19873 Turkey 12840
- V *Tragopogon lassithicus* Rech.f. 20171  
V 20731 Greece - Crete 20731
- R *Tragopogon oligolepis* Hartvig & Strid 12840  
R 12840 Turkey 12840
- R *Trichanthesis aulieatensis* (B. Fedtsch.)  
Kraschen. 5942  
R 5942 Kazakhstan 5942
- R *Trichanthesis aurea* Kraschen. 8001  
R Asiatic U.S.S.R. 6930
- V *Trichanthodium baraccianum* (Ewart & J.W.White)  
P.S.Short 20681  
V 20681 Australia - Victoria 20681
- E *Trichocline beckeri* H. Robinson 20883  
I 20883 Peru 20883
- R *Tridax durangensis* A. Garcia 14294  
R 14294 Mexico - Durango 14294
- V *Tripleurospermum baytopianum* E. Hossain 12840  
R 12840 Turkey 12840
- R *Tripleurospermum corymbosum* E. Hossain 12840  
R 12840 Turkey 12840
- R *Tripleurospermum fissurale* (Sosn.) E. Hossain 12840  
R 12840 Turkey 12840
- R *Tripleurospermum hygrophilum* (Bornum.) Bornum. 12840  
R 12840 Turkey 12840
- R *Tripleurospermum kotschyi* (Boiss.) E. Hossain 12840  
R 12840 Turkey 12840
- R *Tripleurospermum rosellum* (Boiss. & Orph.) Hayek var.  
*album* E. Hossain 12840  
R 12840 Turkey 12840
- R *Troglophyton acocksianum* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- R *Tugarinovia mongolica* Iljin 17617  
R 17617 China - Nei Monggol Zizhiqu 11139
- E *Tuxtla pittieri* (Greenman in W. W. Jones) Villaseñor &  
Strother 20883  
I 20883 Costa Rica 20883  
I 20883 Mexico 20883
- R *Uechitritzia armena* Freyn & Sint. 12840  
R 12840 Turkey 12840
- R *Urbananthus critoniformis* (Urb.) R. King & H.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Urbananthus*

- Robinson 20883  
**R** 20883 Jamaica 20883
- R** *Urbananthus critoniformis* (Urb.) R. King & H. Robinson  
 var. *critoniformis* 20883  
**R** 20883 Jamaica 20883
- V** *Urbananthus critoniformis* (Urb.) R. King & H. Robinson  
 var. *pubescens* Adams 20883  
**V** 20883 Jamaica 20883
- I** *Urmenetea atacamensis* Philippi 20176  
**I** 20176 Argentina - Catamarca 20176  
**I** 20176 Argentina - Jujuy 20176  
**I** 20176 Argentina - Salta 20176  
**I** 20176 Chile - Antofagasta 20176
- R** *Urmenetea calchaquina* 16336  
**R** 19448 Argentina 16336
- R** *Ursinia coronopifolia* (Less.) N.E.Br. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ursinia subflosculosa* (DC.) Prassler 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Vanclavea stylosa* (Eastw.) Greene 20850  
**I** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Utah 20850
- R** *Vellereophyton felinum* Hilliard 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Vellereophyton gracillimum* Hilliard 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Vellereophyton lasianthum* (Schltr. & Moeser)  
 Hilliard 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Vellereophyton pulvinatum* Hilliard 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Verbesina angulata* Urban 5607  
**E** 19105 Cuba (Ciud. Habana) 5607
- V** *Verbesina aristata* (Ell.) Heller 20850  
**E**/**V** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850
- V** *Verbesina aspera* Blake 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Verbesina baruensis* Hammel & D'Arcy 20883, 10747  
**I** 20883 Panama 20883
- V** *Verbesina caymanensis* Proctor 19712  
**V** 19434 Cayman Is. (Spot Bay, Cayman Brac.)  
 19434
- V** *Verbesina chapmanii* J.R. Coleman 20850, 2232  
**V** 20850 U.S. - Florida 20850
- R** *Verbesina corral-diazii* B. Turner 14294  
**R** 14294 Mexico - Durango 14294
- R** *Verbesina dissita* Gray  
**E** 20850 U.S. - California 20850
- R** *Verbesina durangensis* B. Turner 14294  
**R** 14294 Mexico - Durango 14294
- E** *Verbesina fuscasciccans* D'Arcy 20883, 9006  
**I** 20883 Panama 20883
- E** *Verbesina harlingii* H. Robinson 20883  
**I** 20883 Ecuador 20883
- V** *Verbesina heterophylla* (Chapman) Gray 20850  
**V** 20850 U.S. - Florida 20850
- V** *Verbesina karsticola* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- R** *Verbesina nervosa* Blake 20883, 13336  
**R** 13336 Jamaica 20883
- R** *Verbesina petrobioides* (Griseb.) Blake 20883  
**R** 20883 Jamaica 20883
- R** *Verbesina portlandiana* Proctor 20883, 13336  
**R** 13336 Jamaica 20883
- V** *Verbesina propinqua* (Britton) Blake 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Verbesina rupestris* (Urb.) Blake 20883  
**V** 20883 Jamaica 20883
- V** *Verbesina villonacoensis* H. Robinson 20883  
**I** 20883 Ecuador 20883
- R** *Vernonia accomodata* Wild 7752  
**R** Zimbabwe 7752
- Ex** *Vernonia africana* (Sond.) Druce 20604, 3774  
**Ex** 20604 South Africa - Natal 20604
- I** *Vernonia anceps* C.B. Clarke 8021  
**I** 16162 Sri Lanka 8021
- R** *Vernonia andamanica* Balakr. & Nair 10177  
**R** 14782 India - Andaman Is. (Saddle Peak, N.  
 Andamans) 10177
- R** *Vernonia angusta* (Gleason) Standley 9004  
**R** 9004 Guatemala 9004
- V** *Vernonia aronifolia* Gleas. 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- I** *Vernonia beddomei* Hook.f.  
**I** India - Kerala
- R** *Vernonia blodgettii* Small 20850  
**R** 20850 U.S. - Florida 20850
- V** *Vernonia borinquensis* Urban 20883  
**I** 20883 Puerto Rico 20883
- I** *Vernonia bourdillonii* Gamble  
**I** India - Kerala (Travancore Hills; Chemungi)  
 9315  
**I** India - Tamil Nadu (Tirunelveli Dist.)  
 9315
- E** *Vernonia cajamarcensis* H. Robinson 20883  
**I** 20883 Peru 20883
- R** *Vernonia cockburniana* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- R** *Vernonia cristalensis* Alain 5607  
**R** 19105 Cuba (Holguin) 5607
- R** *Vernonia djalonensis* A. Chev. ex Hutch. & Dalz. 7926  
**R** Guinea 7926
- R** *Vernonia elsieae* Stutts 11585  
**R** 11585 Brazil 11585
- R** *Vernonia eylesii* 6088  
**R** 6088 Zimbabwe 6088
- R** *Vernonia fischeri* O. Hoffm. 20057  
**R** 20057 Kenya (Mwingi; Makueni) 20057
- I** *Vernonia fysoni* Calder  
**I** India - Tamil Nadu (Palani Hills)
- V** *Vernonia garrettiana* Craib 19120  
**V** 19120 Thailand 19120
- E** *Vernonia guerreroana* S. B. Jones 20883  
**I** 20883 Mexico 20883
- V** *Vernonia harrisii* S. Moore 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Vernonia heringertii* H. Robinson 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Vernonia*

- I 20883 Brazil 20883
- I *Vernonia heynei* Beddome ex Gamble  
I India - Kerala (Travancore Hills)
- R *Vernonia kawoziensis* Davies 7749  
R Malawi
- I *Vernonia kerrii* Craib 19120  
I 19120 Thailand 19120
- R *Vernonia leonis* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- V *Vernonia maestralis* Ekman & Urban 5607  
V 19105 Cuba (Granma; Santiago de Cuba) 5607
- I *Vernonia membranacea* Beddome ex S. Moore  
I India - Kerala (Trivandrum District)  
I India - Tamil Nadu (Sispara, Nilgiri Hills)
- E *Vernonia multibracteata* Gamble 11494  
E 11494 India - Kerala (Peermade, Idukki District) 11494
- R *Vernonia nepetifolia* Wild  
R Zimbabwe (Chimanimani) 7749
- I *Vernonia peninsularis* (Cl.) Hook.f.  
I India - Tamil Nadu
- R *Vernonia pluvialis* Gleason 20883  
R 20883 Jamaica 20883
- I *Vernonia principes* Gagnep. 19120  
I 19120 Thailand 19120
- V *Vernonia proctori* L.E. Urbatsch 19002  
? Puerto Rico 18767
- E *Vernonia proctorii* L. E. Urbatsch 20883  
I 20883 Puerto Rico 20883
- R *Vernonia pulchella* Small 20850  
R 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- E *Vernonia pulneyensis* Gamble 11494  
E 11494 India - Tamil Nadu (Pulney Hills, W. Ghats) 11494
- I *Vernonia ramasamii* Hutch. 9315  
I India - Kerala (Trivandrum Dist.) 9315  
I India - Tamil Nadu 9315
- Ex/E *Vernonia recurva* Beddome ex S. Moore 11494  
Ex/E 11494 India - Tamil Nadu 11494
- E *Vernonia reedii* Ekman & Urban 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E *Vernonia rigida* Sw. 20883, 13336  
E 19890 Jamaica (Trelawny) 20883
- I *Vernonia saligna* DC. var. *nilghirensis* Hook.f.  
I India - Kerala (Wynaad)  
I India - Tamil Nadu (Nilgiri Hills)
- I *Vernonia salvifolia* Wight  
I India - Kerala (Travancore)  
I India - Tamil Nadu (Courtallum Hills)
- I *Vernonia sangka* Kerr 19120  
I 19120 Thailand 19120
- Ex/E *Vernonia seychellensis* Baker 14296  
Ex/E 14981 Seychelles 14981
- V *Vernonia thomsoni* Hook.f. 14872  
V 14872 Bangladesh 14872
- I *Vernonia thwaitesii* C.B. Clarke 8021  
I 16162 Sri Lanka 8021
- V *Vernonia verticillata* Proctor 20883, 13336  
V 13336 Jamaica 20883
- E *Vernonia viminalis* Gleas.  
E 19105 Cuba 19105
- V *Vernonia yunquensis* Gleas. 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Vieraea laevigata* (Brouss. ex Willd.) Webb 20750  
R 15105 Spain - Canary Is. 15105
- E *Viguiera eriophora* ssp. *poblana* Panero & Schilling 20883  
I 20883 Mexico 20883
- E *Viguiera guerrerana* Panero & Schilling 20883  
I 20883 Mexico 20883
- E *Viguiera mirandae* Panero & Schilling 20883  
I 20883 Mexico 20883
- E *Viguiera phenax* Blake 20850  
E 20850 U.S. - Texas 20850
- R *Viguiera puruana* Paray 9550  
R 19755 Mexico 9550
- V *Viguiera reticulata* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E *Viguiera sharpii* Panero & Schilling 20883  
I 20883 Mexico 20883
- V *Viguiera splendens* Panero & Schilling 20883  
I 20883 Mexico 20883
- E *Viguiera weberbaueri* Blake 18200  
E 9446 Peru 18200
- R *Vittadinia sericea* N.Burb. 20681  
R 20681 Australia - Queensland 20681
- R *Voluntaria belouini* (Humbert) Maire  
R Morocco
- V *Voluntaria bollei* (S.B. ex Bolle) Hans. & Kunk. 20750  
V 15105 Spain - Canary Is. 15105
- R *Voluntaria saharae* (A. Chev.) Quezel & Santa 10488  
R 14958 Algeria 10488
- V *Wagenitzia lancifolia* (Sieber ex Spreng.) Dostál 8000, 20171  
V 20731 Greece - Crete 8000
- V *Wedelia inconstans* D'Arcy 20883, 9006  
I 20883 Panama 20883
- R *Werneria ciliolata* A.Gray 18200  
R 9446 Peru 18200
- E *Westoniella lanuginosa* Cuatr. 20883, 9640  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- V *Whitneya dealbata* Gray 20850  
I 20850 U.S. - California 20850
- E *Wilkesia hobyi* St. John 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- V *Wyethia reticulata* Greene 20850  
V 20850 U.S. - California 20850
- V *Xylorhiza cognata* (Hall) T.J. Wats. 20883, 20850, 19002  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- E *Xylorhiza conferifolia* (Cronq.) T.J. Wats. 20850  
E 20850 U.S. - Utah 20850
- E *Xylorhiza cronquistii* Welsh & Atwood 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Compositae: *Xylorhiza*

- E 20850 U.S. - Utah 20850
- E *Xylorhiza glabriuscula* T.J. Wats. var. *linearifolia*  
T.J. Wats. 20850
- E 20850 U.S. - Utah 20850
- R *Xylorhiza orcuttii* (Vasey & Rose) Greene 20883.  
20850, 8058
- V 20850 U.S. - California 20850
- I 20883 Mexico 20883
- ? Mexico - Baja California Peninsula 8058
- R *Xylorhiza wrightii* (Gray) Greene 20850
- R 20850 U.S. - Texas 20850
- E *Youngia nilagiriensis* Babc. 11494
- E 11494 India - Tamil Nadu (Sispara, Nilgiri Hills)  
11494
- R *Youngia yoshinoi* (Makino) Kitam. 10573
- R 10573 Japan 10573
- E *Yunqea tenzii* Skotts. 19116
- E 19125 Chile - Juan Fernandez Is. 19116
- E *Zaluzania megacephala* var. *cohaulensis*  
Olsen 20883
- I 20883 Mexico 20883
- R *Zinnia citrea* Torres 9627
- R 19755 Mexico 9627

**Connaraceae**

Number of genera: 16-24  
Number of species: 300-400  
Recorded threatened species: 51 (14%)

Tropical, especially Old World.

- R *Connarus beyrichii* Planchon 20883
- I 20883 Brazil 20883
- R *Connarus blanchetti* Planchon 20883
- I 20883 Brazil 20883
- V *Connarus blanchetti* Planchon var.  
*blanchetti* 20883
- I 20883 Brazil 20883
- R *Connarus blanchetti* Planchon var. *laurifolius*  
(Baker) Forero 20883
- I 20883 Brazil 20883
- V *Connarus brachybotryosus* Donnell-Smith 20883
- I 20883 Guatemala 20883
- I 20883 Honduras 20883
- E *Connarus bracteoso-villosus* Forero 20883
- I 20883 Peru 20883
- V *Connarus celatus* Forero 20883
- I 20883 Brazil 20883
- E *Connarus costaricensis* Schellenberg 20883, 12059
- I 20883 Costa Rica 20883
- I *Connarus culionensis* Merr. var.  
*culionensis* 13833
- I 13833 Philippines (low altitude) 13833
- I *Connarus culionensis* Merr. var. *stellatus*  
Leenh. 13833
- I 13833 Philippines (Palawan) 13833
- E *Connarus cuneifolius* Baker 20883
- E 20883 Brazil 20883
- E *Connarus deterrentoides* Schellenberg 20883
- E 20883 Brazil 20883
- E *Connarus ecuadorensis* Schellenberg 20883

- I 20883 Ecuador 20883
- R *Connarus elsaе* Forero 20883
- I 20883 Peru 20883
- E *Connarus guggenheimii* Forero 20883
- I 20883 Colombia 20883
- R *Connarus incomptus* Planchon 8679
- R Guyana 8679
- E *Connarus jaramilloi* Forero 20883
- I 20883 Colombia 20883
- V *Connarus marginatus* Planchon 20883
- I 20883 Brazil 20883
- V *Connarus megacarpus* S. F. Blake 20883
- I 20883 Guyana 20883
- I *Connarus nicobaricus* King 7771
- I India - Nicobar Is. (Gt. Nicobar is.)  
7771
- R *Connarus nodosus* Baker 20883
- I 20883 Brazil 20883
- E *Connarus oblongus* Schellenberg 20883
- E 20883 Brazil 20883
- R *Connarus ovatifolius* (Martius ex Baker)  
Schellenberg 20883
- I 20883 Brazil 20883
- E *Connarus perturbatus* Forero 20883
- I 20883 Colombia 20883
- V *Connarus popenoei* Standley 20883, 12059
- I 20883 Honduras 20883
- E *Connarus portosegurensis* Forero 20883
- I 20883 Brazil 20883
- R *Connarus schultesii* Standley ex R. E. Schultes 20883
- I 20883 Mexico 20883
- R *Connarus silvanensis* Cuatr. 20883
- I 20883 Panama 20883
- I 20883 Colombia 20883
- R *Connarus stenophyllus* Standley & L. O. Williams ex A.  
Molina 20883, 12059
- I 20883 Mexico 20883
- E *Connarus subpeltatus* Schellenberg 20883
- E 20883 Brazil 20883
- R *Connarus turczaninowii* Triana 20883, 9006
- I 20883 Panama 20883
- R *Connarus williamsii* Britt. 20883
- I 20883 Panama 20883
- V *Connarus williamsii* (Steyer.) Forero var. *allenii*  
(Steyer.) Forero 20883, 10747
- E 20883 Panama 20883
- I 20883 Colombia 20883
- R *Connarus williamsii* Britt. var.  
*williamsii* 20883
- I 20883 Panama 20883
- I 20883 Colombia 20883
- R *Connarus wurdackii* Prance 20883
- I 20883 Brazil 20883
- I 20883 Peru 20883
- I *Ellipanthus calophyllus* Kurz 7771
- I India - Andaman Is. 7771
- R *Ellipanthus hemandradenioides* Brenan 20057
- R 20057 Kenya (Kwale, Kilifi) 7959
- R 20057 Tanzania (Tanga, Utete & Lindi) 20900
- I *Ellipanthus madagascariensis* (Schellenb.) Capuron ex

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Connaraceae: *Ellipanthus*

- Keraudren 21043  
 I 21043 Madagascar 21043
- I** *Ellipanthus neglectus* Gamble  
 I India - Kerala (Travancore Hills)  
 I India - Tamil Nadu (Tirunelveli Hills)
- E** *Hemadradenia chevalieri* Stapf 21043  
 E 20858 Côte d'Ivoire 7926  
 E 20858 Ghana 20858
- I** *Jollydora pierrei* Gülg 21043  
 ? Gabon (Libreville) 21043
- E** *Pseudoconnarus agelaefolius* Cuatrecasas 20883, 19352  
 I 19352 Colombia 20883
- E** *Pseudoconnarus agelaoides* (Schellenberg)  
 Forero 20883  
 I 20883 Peru 20883
- R** *Pseudoconnarus subtriplinervis* (Radlkofer)  
 Schellenberg 20883  
 I 20883 Brazil 20883  
 I 20883 Guyana 20883  
 I 20883 Suriname 20883
- V** *Rourea blanchetiana* (Progel) Kuhlmann 20883  
 I 20883 Brazil 20883
- R** *Rourea brachyandra* F.Muell. 20681  
 R 20681 Australia - Queensland 20681
- E** *Rourea cuspidata* var. *multijuga*  
 Forero 20883  
 I 20883 Brazil 20883
- R** *Rourea cuspidata* var. *pedicellata*  
 Baker 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883
- R** *Rourea glabra* var. *jamaicensis* Forero 20883  
 I 20883 Jamaica 20883
- E** *Rourea laurifolia* Schellenberg 20883  
 I 20883 Brazil 20883
- R** *Rourea martiana* Baker 20883  
 I 20883 Brazil 20883
- R** *Rourea neglecta* var. *brevipes* Forero 20883  
 I 20883 Colombia 20883
- R** *Rourea omissa* Forero 20883  
 I 20883 Peru 20883
- E** *Rourea prancei* Forero 20883  
 I 20883 Brazil 20883
- E** *Rourea pseudospadicea* Schellenberg 20883  
 I 20883 Brazil 20883
- R** *Rourea pubescens* (De Candolle) Radlkofer 20883  
 I 20883 Brazil 20883  
 I 20883 French Guiana 20883  
 I 20883 Suriname 20883
- E** *Rourea pubescens* (De Candolle) Radlkofer var.  
*pubescens* 20883  
 E 20883 French Guiana 20883
- R** *Rourea revoluta* Planchon 21043, 8679  
 I 20883 Brazil 20883  
 I 20883 Guyana 20883
- V** *Rourea revoluta* Planchon var. *glabra*  
 Baker 20883  
 I 20883 Brazil 20883  
 I 20883 Guyana 20883
- R** *Rourea revoluta* Planchon var. *revoluta* 20883

I 20883 Brazil 20883  
 I 20883 Guyana 20883

**Convolvulaceae**

Number of genera: 50  
 Number of species: 1,500  
 Recorded threatened species: 134 (8%)

Nearly cosmopolitan, especially tropical and subtropical.

- E** *Argyreia hancorniiifolia* Gardner 8021  
 E 16162 Sri Lanka (Kandy) 8021
- R** *Argyreia queenstandica* Domin 20681  
 R 20681 Australia - Queensland 20681
- Ex** *Argyreia southeri* (Bailey) Domin 20681  
 Ex 20681 Australia - Queensland 20681
- I** *Astipomoea cephalantha* (Haller f.) Verdc. 19514  
 I 5926 Tanzania (Mwanza) 5926
- I** *Astipomoea polycephala* (Haller f.) Verdc. 19514  
 I 5926 Tanzania (Handeni) 19514
- R** *Bonamia dietrichiana* H.Hallier 20681  
 R 20681 Australia - Queensland 20681
- V** *Bonamia elliptica* (Smith & Schubert) Myint &  
 Ward 9657  
 V 9658 Mexico - Chihuahua 9657
- R** *Bonamia grandiflora* (Gray) Hallier f. 20850, 10260  
 R 20850 U.S. - Florida 20850
- V** *Bonamia menziesii* Gray 20850, 14107  
 V 20850 U.S. - Hawaii 20850
- V** *Bonamia multicaulis* (Brandegge) House 9657  
 V 9658 Mexico 9657
- E** *Bonamia ovalifolia* (Torr.) Hallier f. 20883, 20850,  
 9657  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- R** *Calystegia affinis* Endl. 11649  
 E 19108 Australia - NSW - Lord Howe Is 19108  
 R 19108 Australia - Norfolk Is. 11649
- R** *Calystegia catesbiana* Pursh 20850  
 I 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Virginia 20850
- V** *Calystegia catesbiana* Pursh ssp.  
*catesbiana* 20850  
 E 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Virginia 20850
- V** *Calystegia catesbiana* Pursh ssp. *sericata* (House)  
 Brummitt 20850  
 V 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- R** *Calystegia collina* (Greene) Brummitt 20850  
 I 20850 U.S. - California 20850
- V** *Calystegia collina* (Greene) Brummitt ssp. *oxyphylla*  
 Brummitt 20850  
 V 20850 U.S. - California 20850
- R** *Calystegia collina* (Greene) Brummitt ssp. *venusta*  
 Brummitt 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Convolvulaceae: *Calystegia*

- R 20850 U.S. - California 20850
- R *Calystegia longipes* (S.Watson) Brummitt 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V *Calystegia macrostegia* (Greene) Brummitt 20850  
I 20850 U.S. - California 20850
- V *Calystegia macrostegia* (Greene) Brummitt ssp. *amplissima* Brummitt 20850  
I 20850 U.S. - California 20850
- R *Calystegia occidentalis* (Gray) Brummitt 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Calystegia occidentalis* (Gray) Brummitt var. *occidentalis* 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Calystegia peirsonii* (Abrams) Brummitt 20850  
R 20850 U.S. - California 20850
- R *Calystegia purpurata* (Greene) Brummitt 20850  
I 20850 U.S. - California 20850
- E *Calystegia sepium* (L.) R. Br. ssp. *binghamiae* (Greene) Brummitt 20850  
I 20850 Canada - Nova Scotia 20850  
E 20850 U.S. - California 20850
- E *Calystegia stebbinsi* Brummitt 20850  
E 20850 U.S. - California 20850
- R *Calystegia subacaulis* Hook. & Arn. 20850  
I 20850 U.S. - California 20850
- E *Calystegia subacaulis* Hook. & Arn. ssp. *episcopalis* Brummitt 20850  
I 20850 U.S. - California 20850
- E *Convolvulus argyrothamnus* Greuter 20171  
E 20731 Greece - Crete 20731
- I *Convolvulus auricomus* (A. Rich.) Bhandari var. *ferruginosus* Bhandari 7771  
I India - Rajasthan (west) 7771
- I *Convolvulus blatteri* Bhandari 7771  
I India - Rajasthan (Jaisalmer) 7771
- V *Convolvulus canariensis* L.  
V 19174 Spain - Canary Is. 19174
- R *Convolvulus caput-medusae* Lowe 14166  
R 19174 Spain - Canary Is. 17891
- V *Convolvulus diversifolius* Mendoza-Heuer  
V Spain - Canary Is.
- E *Convolvulus fernandesii* Pinto da Silva & Teles 20076  
E 20076 Portugal 17891
- I *Convolvulus flavus* Willd.  
I India - Tamil Nadu
- R *Convolvulus fruticulosus* Desr. 20750  
R 20750 Spain - Canary Is. 20750
- R *Convolvulus glandulosus* (Webb) Hallier 20750  
R 20750 Spain - Canary Is. 20750
- R *Convolvulus holosericeus* Bieb. ssp. *macrocalycinus* Hausskn. & Bornm. ex Bornm. 12840  
R 12840 Turkey 12840
- E *Convolvulus lopesocasii* Svent. 20750  
E 20750 Spain - Canary Is. 17891
- I *Convolvulus maireanus* Pampan
- I Libya
- E *Convolvulus massonii* A. Dietr. 14166  
E Portugal - Madeira 17891
- R *Convolvulus ocellatus* Hook. var. *plicinervis* Verdec. 7760  
R Zimbabwe 7760
- V *Convolvulus perraudieri* Coss.  
V Spain - Canary Is.
- R *Convolvulus phrygius* Bornm. 12840  
R 12840 Turkey 12840
- V *Convolvulus pulvinatus* Sa'ad 12840  
V 12840 Turkey 12840
- V *Convolvulus simulans* Perry 20850  
V 20850 U.S. - California 20850
- V *Convolvulus subauriculatus* (Burchard) Lindinger 20750  
V 20750 Spain - Canary Is. 20750
- V *Convolvulus volubilis* Link in Burch. 20750  
V 20750 Spain - Canary Is. 20750
- I *Cuscuta atrans* Feinbrun 20171  
I 20730 Greece - Crete 20730
- V *Cuscuta attenuata* Waterfall 20850  
I 20850 U.S. - Kansas 20850  
E 20850 U.S. - Oklahoma 20850  
V 20850 U.S. - Texas 20850
- V *Cuscuta brachycalyx* (Yuncker) Yuncker 20850  
I 20850 U.S. - California 20850
- V *Cuscuta cozumeliensis* Yuncker 9004  
V 9004 Guatemala 9004  
V 9004 Mexico 9004
- E *Cuscuta dentatasquamata* Yuncker 20850  
I 20850 U.S. - Arizona 20850
- R *Cuscuta exaltata* Engelm. 20850  
I 20850 U.S. - Florida 20850  
R 20850 U.S. - Texas 20850
- V *Cuscuta harperi* Small 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850
- Ex/E *Cuscuta indecora* Choisy var. *warneri* (Yuncker) T. Beliz, comb. nov. ined. 20850  
Ex/E 20850 U.S. - Arizona 20850  
Ex/E 20850 U.S. - Utah 20850
- R *Cuscuta jalapensis* Schltr. 9004  
R 9658 Guatemala 9004  
R 9658 Mexico 9004
- V *Cuscuta jepsonii* Yuncker 20850  
I 20850 U.S. - California 20850
- R *Cuscuta maroccana* Trabut  
R Morocco
- E *Cuscuta mitriformis* Engelm. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20883 Mexico 20883
- V *Cuscuta nevadensis* I.M. Johnston 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Cuscuta obtusata* (Englmann) Trabut 12840  
V 12840 Turkey 12840
- E *Cuscuta odontolepis* Engelm. 20850  
I 20850 U.S. - Arizona 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Convolvulaceae: *Cuscuta*

- R** *Cuscuta odontolepis* Engelm. var. *fimbriata*  
Yuncker 9037  
**R** 9658 Costa Rica 9037  
**R** 9658 Mexico 9037
- R** *Cuscuta plattensis* A. Nels. 20850  
**I** 20850 U.S. - Washington 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Cuscuta rugosiceps* Yuncker 9004  
**R** 9658 Guatemala 9004  
**R** 9658 Mexico 9004
- R** *Cuscuta suksdorfii* Yuncker 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Cuscuta tinctoria* Martius ex Engelm. var.  
*kellermaniana* Yuncker 9004  
**R** 9658 Guatemala 9004
- E** *Cuscuta woodsonii* Yuncker 20883, 9006  
**V** 9658 Panama 20883
- V** *Cuscuta yucatana* Yuncker 9004  
**V** 9658 Guatemala 9004  
**V** 9658 Mexico 9004
- R** *Dichondra occidentalis* House 20850  
**R** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- I** *Erycibe fecunda* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Erycibe hololuba* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Erycibe noei* Kerr 19120  
**I** 19120 Thailand 19120
- E** *Evolvulus siliceus* Britton & P. Wilson 5607  
**E** 19105 Cuba (Juventud Is.) 5607
- R** *Ipomoea antonschmidii* R.W.Johnson 20681  
**R** 20681 Australia - Queensland 20681
- R** *Ipomoea barbatisepala* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850
- I** *Ipomoea cairica* (L.) Sweet var. *semine-glabra*  
(Blatter & Hallberg) Bhandari  
**I** India - Rajasthan
- V** *Ipomoea carmesina* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Ipomoea cavalcantei* D. Austin 9658  
**E** 17746 Brazil - Pará 17746
- R** *Ipomoea chamelana* McDonald 21220  
**R** 21220 Mexico - Guerrero 21220  
**R** 21220 Mexico - Jalisco 21220
- E** *Ipomoea chiriquiensis* Standl. 20883, 9006  
**V** 9658 Panama 20883
- R** *Ipomoea clarkei* Hook.f. 14782  
**R** 14782 India - Uttar Pradesh (Western Ghats in Thane, Pune and Nasik Districts) 14782
- V** *Ipomoea cleweli* C. Nelson 20050  
**V** 20050 Honduras 20050
- I** *Ipomoea consimilis* Schulze-Menz 19514  
**I** 5926 Tanzania (Lindi) 5926
- R** *Ipomoea cyanantha* Griseb. 20883  
**R** 20883 Jamaica 20883
- R** *Ipomoea ephemera* Verdc. 7760
- R** Mozambique 7760
- I** *Ipomoea erosa* Urban 5607  
**I** 19105 Cuba (Holguin) 5607
- E** *Ipomoea excisa* Urban 5607  
**E** 19105 Cuba (Prov. Habana) 5607
- R** *Ipomoea expansa* McDonald 10546  
**R** 11911 Mexico - Guerrero 10546
- E** *Ipomoea flavo-purpurea* Urban 5607  
**E** 19105 Cuba (Sancti Spiritus) 5607
- I** *Ipomoea hylophila* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Ipomoea jucunda* Thwaites 8021  
**I** 16162 Sri Lanka (Ritigala SNR; Kandy Dist.) 8021
- I** *Ipomoea kilwaensis* Pilger 19514  
**I** 5926 Tanzania (Kilwa) 19514
- V** *Ipomoea krugii* Urban 20883, 8058  
**I** 20883 Puerto Rico 20883
- I** *Ipomoea lapathifolia* Haller f. var. *bussei*  
(Pilger) Verdc. 19514  
**I** 5926 Tanzania (Kilwa) 19514
- R** *Ipomoea lineolata* Urb. 20883  
**R** 20883 Jamaica 20883
- I** *Ipomoea macrosepala* Brenan 19514  
**I** 5926 Tanzania (Shinyanga District) 19514
- R** *Ipomoea mcvaughii* McPherson 9659  
**R** 11911 Mexico 9659
- I** *Ipomoea microcalyx* Schulze-Menz 19514  
**I** 5926 Tanzania (Ulanga District) 19514
- E** *Ipomoea nationis* (Hook.) Nichols. 9446  
**E** 9446 Peru 9446
- R** *Ipomoea noctulifolia* McPherson 9659  
**R** 11911 Mexico - Jalisco 21204
- R** *Ipomoea perpartita* McPherson 9659  
**R** 11911 Mexico 9659
- V** *Ipomoea praematura* Eckenwalder 20883  
**I** 20883 Grenada 20883  
**I** 20883 Trinidad & Tobago 20883  
**I** 20883 Colombia 20883  
**I** 20883 Guyana 20883
- R** *Ipomoea rubella* House 20883  
**R** 20883 Jamaica 20883
- R** *Ipomoea saintronanensis* R.W.Johnson 20681  
**R** 20681 Australia - Queensland 20681
- E** *Ipomoea saxicola* Proctor 20883, 13336  
**E** 20883 Jamaica 20883
- E** *Ipomoea sinaica* Tackh. & Boulos  
**E** Egypt
- I** *Ipomoea stellaris* Baker 19514  
**I** 5926 Tanzania (Mikindani) 19514
- E** *Ipomoea tabascana* J.A.McDonald & D. Austin 19812  
**E** 19812 Mexico - Tabasco (south border) 19812
- R** *Ipomoea tastensis* Brandegee 13791  
**R** 13791 Mexico - Baja California Sur 13791
- R** *Ipomoea tenuifolia* (Vahl.) Urb. 20883, 13336  
**R** 13336 Jamaica 20883
- V** *Ipomoea tenuissima* Choisy 20883, 19002, 20850  
**E** 20850 U.S. - Florida 20850  
**I** 20883 Puerto Rico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Convolvulaceae: *Ipomoea*

- R** *Ipomoea teotitlanica* McPherson 9659  
**R** 11911 Mexico 9659
- V** *Ipomoea thurberi* Gray 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Ipomoea tuboides* O. Deg. & van Ooststr. 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- R** *Ipomoea venosa* (Desr.) Roem. & Schultes var. *obtusifolia* Verdc. 7761  
**R** Mozambique 7761
- R** *Ipomoea verrucisepala* Verdc. 7761  
**R** Zimbabwe 7761
- I** *Ipomoea villifera* House 9004  
**I** 9658 Guatemala 9004
- I** *Ipomoea zanzibarica* Verdc. 19514  
**I** 5926 Tanzania (Zanzibar) 5926
- R** *Itzea sericea* Standley & Steyerl. 9658  
**R** 10544 Belize 9658  
**R** 10544 Guatemala 10544  
**R** 10544 Honduras 10544
- V** *Jacquemontia curtissii* Peter ex Small 20850  
**V** 20850 U.S. - Florida 20850
- V** *Jacquemontia pinetorum* Standley & Steyerl. 9004  
**V** 9658 Guatemala 9004
- E** *Jacquemontia reclinata* House 20850  
**E** 20850 U.S. - Florida 20850
- E** *Maripa lewisii* Austin 20883, 10747  
**I** 20883 Panama 20883
- R** *Maripa longifolia* Sagot 8679  
**R** 8679 French Guiana 8679
- R** *Merremia dissecta* (Jacq.) Hallier f. 20604  
**R** 20604 South Africa - Natal 20604
- R** *Merremia hemmingiana* Verdc. 7959  
**R** Kenya (Northern Frontier Province) 7959
- R** *Merremia maypurensis* Hallier f. 10544  
**R** Venezuela 10544
- Ex** *Merremia palmata* H. Hall vel aff. 18102  
**Ex** 18102 Pakistan (Margallas) 18102
- E** *Metaporana obtusa* (Balf. f.) Staples 15534  
**E** 15534 Yemen - Socotra 15534
- I** *Neuropeltis racemosa* Wallich ex Roxb.  
**I** India - Kerala (Tambraicheri Ghat, Malabar)  
**V** 20099 Singapore 20099
- I** *Operculina triquetra* (Vahl) Macbride  
**I** 15106 USA - Virgin Is. (St Croix; St Thomas) 8058
- I** *Rivea clakeana* Craib 19120  
**I** 19120 Thailand 19120
- V** *Seddera fastigiata* (Balf. f.) Verdc. 15534  
**V** 15534 Yemen - Socotra 15534
- V** *Seddera spinosa* (Vierh.) Verdc. 15534  
**V** 15534 Yemen - Socotra (Abd al Kuri) 20746
- I** *Stictocardia lutambensis* (Schulze-Menz) Verdc. 19514  
**I** 5926 Tanzania (Morogoro & Lindi Districts) 19514
- V** *Stylisma abdita* Myint 20850  
**V** 20850 U.S. - Florida 20850
- V** *Stylisma pickeringii* (M.Curtis) A.Gray var. *pickeringii* 20850  
**I** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Georgia 20850

- E** 20850 U.S. - New Jersey 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850
- E** *Turbina inopinata* Heine 20802  
**E** 20893 New Caledonia 20802
- R** *Turbina longiflora* Verdc. 7761  
**R** Mozambique 7761
- E** *Turbina wrightii* (House) Alain  
**E** 19105 Cuba 19105

**Cornaceae**

Number of genera: 11  
 Number of species: 100  
 Recorded threatened species: 9 (9%)

North temperate; irregularly tropical and South temperate.

- R** *Cornus florida* L. var. *urbiniana* (Rose) Wangerin 9019  
**R** 9019 Mexico - Nuevo Leon 9019  
**R** 9019 Mexico - Veracruz 9019
- V** *Cornus kousa* Buerg. var. *yaeyamensis* Hatus. 20626  
**V** 20626 Japan (Ryukyu) 20626
- R** *Cornus sessilis* Torr. ex Dur. 20850  
**I** 20850 U.S. - California 20850
- R** *Davidia involucreta* Baillon var. *involucreta* 17617  
**R** 17617 China - Guizhou 11139  
**R** 17617 China - Hubei 11139  
**R** 17617 China - Hunan 11139  
**R** 17617 China - Shaanxi 11139  
**R** 17617 China - Sichuan 11139  
**R** 17617 China - Yunnan 11139
- R** *Davidia involucreta* Baillon var. *vilmoriniana* (Dode) Wanger 11139  
**R** China - Guizhou 11139  
**R** China - Hubei 11139  
**R** China - Hunan 11139  
**R** China - Shaanxi (Zhengping) 11139  
**R** China - Sichuan 11139  
**R** China - Yunnan 11139
- V** *Mastixia nimali* Kosterm. 12838  
**V** 12838 Sri Lanka 12838
- R** *Mastixia poilanei* Tard. 6057  
**R** Vietnam 6057
- R** *Mastixia tetrandra* (Wight ex Thwaites) C.B. Clarke 10276  
**R** 12838 Sri Lanka 10276
- E** *Nyssa yunnanensis* W.C. Yin 17617  
**E** 17617 China - Yunnan (Jinghong) 11139
- E** *Swida darvasica* (Pojark.) Sojak  
**E** former USSR 6930

**Corylaceae**

Number of genera: 4  
 Number of species: 22  
 Recorded threatened species: 10 (45%)

North temperate.

- R** *Carpinus hebestroma* Yamamoto 20511  
**R** 20511 Taiwan 20511
- R** *Carpinus minutiserrata* Hayata 20511  
**R** 20511 Taiwan 20511



## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Corylaceae: *Carpinus*

- E** *Carpinus putoensis* Cheng 17617  
**E** 18038 China - Zhejiang (Putuo Temple, Putuo Shan) 11139
- V** *Carpinus rankanensis* Hayata var. *rankanensis*  
**V** Taiwan (north & central)
- I** *Carpinus shensiensis* Hu 11815  
**I** China - Shaanxi 11815
- R** *Carpinus tropicales* (J. D. Smith) Lundell 20883  
**I** 20883 El Salvador 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Honduras 20883  
**I** 20883 Mexico 20883  
**I** 20883 Nicaragua 20883
- E** *Carpinus tropicales* (J. D. Smith) Lundell ssp. *mexicana* Furlow 20883  
**I** 20883 Mexico 20883
- R** *Carpinus tschonoskii* Maxim. var. *eximia* Hatus. 15957  
**R** 15923 Korea, South (Mt Chir) 15957
- V** *Corylus chinensis* Franchet 17617  
**V** 17617 China - Henan 11139  
**V** 17617 China - Hubei 11139  
**V** 17617 China - Hunan 11139  
**V** 17617 China - Shaanxi 11139  
**V** 17617 China - Sichuan 11139  
**V** 17617 China - Yunnan 11139
- E** *Ostrya rehderiana* Chun 17617  
**E** 18038 China - Zhejiang (Tianmu Mt) 11139

### Corynocarpaceae

Number of genera:	1
Number of species:	5
Recorded threatened species:	1 (20%)

New Zealand; northeastern Australia; New Guinea.

- R** *Corynocarpus rupestris* Guymer ssp. *arborescens* 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Corynocarpus rupestris* Guymer ssp. *rupestris* Guymer 20681  
**V** 20681 Australia - New South Wales 20681

### Crassulaceae

Number of genera:	25
Number of species:	900
Recorded threatened species:	227 (25%)

Cosmopolitan, except Australia and Polynesia.

- I** *Adromischus diabolicus* Toelken 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Adromischus fallax* Toelken 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Adromischus liebenbergii* Hutchison 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Adromischus mammillaris* (L.f.) Lem. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Adromischus nanus* (N.E.Br.) Poelln. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Adromischus schuldianus* (Poelln.) Poelln. ssp. *juttiae* (Poelln.) Toelken 20604  
**R** 20604 Namibia 20604
- R** *Adromischus subviridis* Toelken 20604

- R** 20604 South Africa - Cape Province 20604
- V** *Aeonium balsamiferum* Webb & Berthel. 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Aeonium castello-paivae* Bolle  
**R** Spain - Canary Is.
- V** *Aeonium ciliatum* (Willd.) Webb & Berthel. 20750  
**V** 20750 Spain - Canary Is. 20750
- V** *Aeonium cuneatum* Webb & Berthel.  
**V** 20750 Spain - Canary Is. 20750
- V** *Aeonium gomeraense* Praeger 14166  
**V** 20750 Spain - Canary Is. 19174
- R** *Aeonium goochiae* Webb & Berthel. 20750  
**R** 20750 Spain - Canary Is. 20750
- R** *Aeonium haworthii* Salm-Dyck ex Webb & Berthel. 20750  
**R** 20750 Spain - Canary Is. 20750
- E** *Aeonium mascaense* Bram. 20750  
**E** 20750 Spain - Canary Is. 20750
- V** *Aeonium nobile* Praeger 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Aeonium pseudourbicum* Bañares 20750  
**R** 20750 Spain - Canary Is. 20750
- V** *Aeonium rubrolineatum* Svent. 20750  
**V** 20750 Spain - Canary Is. 20750
- V** *Aeonium saundersii* Bolle 14166  
**V** 20750 Spain - Canary Is. 20750
- V** *Aeonium sedifolium* (Webb ex Bolle) Pit. & Proust 20750  
**V** 20750 Spain - Canary Is. 20750
- V** *Aeonium smithii* (Sims) Webb & Berthel. 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Aeonium tabulaeforme* (Haw.) Webb. & Berth. 10260  
**R** 20750 Spain - Canary Is. 20750
- V** *Aeonium valverdense* Praeger 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Aeonium vestitum* Svent.  
**R** Spain - Canary Is.
- R** *Aeonium virgineum* Webb ex Christ  
**R** Spain - Canary Is.
- V** *Afrovivella simensis* A. Berger 6087  
**V** Ethiopia (Mt. Buahit) 6087
- E** *Aichryson bethencourtianum* Bolle 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Aichryson bollei* Webb ex Bolle 20750  
**R** 20750 Spain - Canary Is. 20750
- V** *Aichryson dumosum* (Lowe) Praeger 17891  
**V** Portugal - Madeira 17891
- E** *Aichryson pachycaulon* Bolle ssp. *gonzalezhernandezii* (Kunkel) Bramwell  
**E** Spain - Canary Is.
- V** *Aichryson pachycaulon* Bolle. ssp. *immaculatum* (Webb ex Christ) Bram.  
**V** Spain - Canary Is.
- E** *Aichryson pachycaulon* Bolle ssp. *pachycaulon*  
**E** Spain - Canary Is.
- V** *Aichryson pachycaulon* Bolle ssp. *parviflorum* (Bolle) Bram.  
**V** Spain - Canary Is.
- V** *Aichryson pachycaulon* Bolle ssp. *praetermisum*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Crassulaceae: *Aichryson*

- Bram.  
V Spain - Canary Is.
- R *Aichryson palmense* Webb ex Bolle 19174  
R 20750 Spain - Canary Is. 19174
- R *Aichryson tortuosum* (Aiton) Webb & Berthel. 20750  
R 20750 Spain - Canary Is. 20750
- R *Aichryson villosum* (Aiton) Webb & Berthel. 20171  
R Portugal - Azores  
R Portugal - Madeira
- R *Cotyledon orbiculata* L. var. *flanaganii* (schönland & Baker f.) Toelken 20803  
R 20803 South Africa - Cape Province 20803
- R *Cotyledon tomentosa* Harv. ssp. *ladismithiensis* (Poelln.) Toelken 20803  
R 20604 South Africa - Cape Province 20604
- Ex *Crassula alicornis* Schönland 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- R *Crassula arborescens* (Mill.) Willd. ssp. *undulatifolia* Toelken 20803  
R 20803 South Africa - Cape Province 20803
- R *Crassula ausensis* Hutchison ssp. *giessii* (Friedrich) Toelken 20604  
R 20604 Namibia 20604
- R *Crassula barbata* Thunb. ssp. *broomii* (Schonl.) Toelken 20604  
R 20604 South Africa - Cape Province 20604
- V *Crassula brevifolia* Harv. ssp. *psammophila* Toelken 20604  
V 20604 South Africa - Cape Province 20604
- R *Crassula cordifolia* Baker 10368  
R 20578 Madagascar (Antananarivo) 20578
- R *Crassula decidua* Schönland 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula elsieae* Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula erecta* (hook. & Arn.) Berger 10701  
R 20137 Argentina - Buenos Aires 20137
- R *Crassula exillis* Harv. ssp. *exillis* 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula garibina* Marloth & Schönland ssp. *glabra* Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula humbertii* Descouings 10368  
R 20578 Madagascar (Toliara) 20578
- V *Crassula hunua* Druce 19305  
V 19305 New Zealand - North Is. 19305  
V 19305 New Zealand - South Is. 19305
- R *Crassula multiceps* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula namaquensis* Schonl. & E.G. Baker ssp. *comptonii* (Hutch. & Pillans) Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula pellucida* L. ssp. *spongiana* Toelken 20604  
R 20604 South Africa - Cape Province 20604
- V *Crassula planifolia* Schönland 20604  
V 20604 South Africa - Cape Province (Transkei) 20604
- I *Crassula plegmatoides* Friedrich 20604  
20604 Namibia 20604  
20604 South Africa - Cape Province 20604
- R *Crassula roggeveldii* Schönland 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula ruamahanga* Druce 19305  
R 19305 New Zealand - North Is. 19305  
R 19305 New Zealand - South Is. 19305
- R *Crassula rupestris* Thunb. ssp. *marnieriana* (H.E.Huber & H.Jacobsen) Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula sericea* Schönland var. *velutina* (Friedr.) Toelken 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula sladenii* Schönland 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula socialis* Schönland 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula streyi* Toelken 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Crassula subacaulis* Schönland & Baker f. ssp. *subacaulis* 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Crassula subulata* L. var. *hispida* Toelken 6180, 20604  
Ex 6180 South Africa - Cape Province 6180
- I *Crassula susannae* Rauh & Friedrich 20604  
I 20604 South Africa - Cape Province 20604
- R *Crassula thunbergiana* Schult. ssp. *minutiflora* (schönland & Baker f.) 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Crassula vestita* Thunb. 20604  
R 20604 South Africa - Cape Province 20604
- R *Dudleya abramsii* Rose 20850  
I 20850 U.S. - California 20850
- E *Dudleya abramsii* Rose ssp. *affinis* K. Nakai 20850  
E 20850 U.S. - California 20850
- V *Dudleya abramsii* Rose ssp. *calicola* (Bartel & Shevock) K. Nakai 20850  
I 20850 U.S. - California 20850
- V *Dudleya abramsii* Rose ssp. *murina* (Eastw.) Moran 20850  
V 20850 U.S. - California 20850
- V *Dudleya abramsii* Rose ssp. *parva* (Rose & A. Davids.) Bartel 20850  
V 20850 U.S. - California 20850
- V *Dudleya attenuata* (Rose) Moran ssp. *orcuttii* (Rose) Moran 20850  
E 20850 U.S. - California 20850
- R *Dudleya blochmaniae* (Eastw.) Moran 20850  
I 20850 U.S. - California 20850
- V *Dudleya blochmaniae* (Eastw.) Moran ssp. *blochmaniae* 20850  
V 20850 U.S. - California 20850
- E *Dudleya blochmaniae* (Eastw.) Moran ssp. *insularis* (Moran) Moran 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Crassulaceae: *Dudleya*

- E 20850 U.S. - California 20850
- E *Dudleya brevifolia* (Moran) Moran 20850  
E 20850 U.S. - California 20850
- R *Dudleya candelabrum* Rose 20850  
V 20850 U.S. - California 20850
- R *Dudleya cespitosa* (Haw.) Britt. & Rose 20850  
I 20850 U.S. - California 20850
- V *Dudleya cymosa* (Lem.) Britt. & Rose ssp. *costafolia*  
Bartel & Shevock 20850  
V 20850 U.S. - California 20850
- E *Dudleya cymosa* (Lem.) Britt. & Rose ssp. *crebrifolia*  
K. Nakai & Verity 20850  
E 20850 U.S. - California 20850
- V *Dudleya cymosa* (Lemaire) Britton & Rose ssp. *marcescens* Moran 20850  
V 20850 U.S. - California 20850
- V *Dudleya cymosa* (Lem.) Britt. & Rose ssp. *ovatifolia*  
(Britt.) Moran 20850  
V 20850 U.S. - California 20850
- E *Dudleya cymosa* (Lem.) Britt. & Rose ssp. *setchellii*  
(Jepson) Moran 20850  
E 20850 U.S. - California 20850
- E *Dudleya densiflora* (Rose) Moran 20850  
E 20850 U.S. - California 20850
- R *Dudleya edulis* (Nutt.) Moran 20850  
I 20850 U.S. - California 20850
- R *Dudleya greenii* Rose 20850  
R 20850 U.S. - California 20850
- E *Dudleya hassei* (Rose) Moran 20850  
I 20850 U.S. - California 20850
- R *Dudleya lanceolata* (Nutt.) Britt. & Rose 20850  
I 20850 U.S. - California 20850
- V *Dudleya multicaulis* (Rose) Moran 20850  
V 20850 U.S. - California 20850
- E *Dudleya nesiotica* (Moran) Moran 20850  
E 20850 U.S. - California 20850
- V *Dudleya palmeri* (S. Watts.) Britt. & Rose 20850  
I 20850 U.S. - California 20850
- R *Dudleya pulverulenta* (Nutt.) Britt. & Rose 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- V *Dudleya saxosa* (M.E. Jones) Britton & Rose ssp. *saxosa* 20850  
I 20850 U.S. - California 20850
- E I *Dudleya stolonifera* Moran 20850  
E 20850 U.S. - California 20850
- E I *Dudleya traskiae* (Rose) Moran 20850  
E 20850 U.S. - California (Santa Barbara Is.) 20850
- V *Dudleya variegata* (S. Watson) Moran 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- E *Dudleya verityi* K. Nakai 20850  
E 20850 U.S. - California 20850
- E *Dudleya virens* (Rose) Moran 20850  
E 20850 U.S. - California 20850
- V *Dudleya viscida* (S. Watson) Moran 20850  
V 20850 U.S. - California 20850
- R *Echeveria amphoralis* Walth. 19850  
R 19850 Mexico 19850
- I *Echeveria elegans* Rose 19850  
I 19850 Mexico 19850
- I *Echeveria laui* Moran & Meyrán 9019  
I 19850 Mexico - Oaxaca 9019
- V *Echeveria longissima* Walth. var. *aztatensis* J. Meyrán 19850  
V 19850 Mexico 19850
- V *Echeveria longissima* Walth. var. *longissima* 19850  
V 19850 Mexico 19850
- R *Echeveria moranii* E. Walther 19850  
R 19850 Mexico 19850
- I *Echeveria purpurorum* Berger 19850  
I 19850 Mexico 19850
- I *Echeveria setosa* Rose & Purpus var. *ciliata*  
Moran 19850  
I 19850 Mexico 19850
- I *Echeveria setosa* Rose & Purpus var. *deminuta* J. Meyrán 19850  
I 19850 Mexico 19850
- I *Echeveria setosa* Rose & Purpus var. *minor*  
Berger 19850  
I 19850 Mexico 19850
- I *Echeveria setosa* Rose & Purpus var. *oteroi*  
19850  
I 19850 Mexico 19850
- R *Echeveria setosa* Rose & Purpus var. *setosa* 19850  
R 19850 Mexico 19850
- E *Graptopetalum bellum* (Moran & Meyran) D.R. Hunt 9662  
E 9662 Mexico - Chihuahua 9662
- I *Graptopetalum macdougalii* Alexander 19850  
I 19850 Mexico 19850
- V *Greenovia aizoön* Bolle 17534  
V Spain - Canary Is. 17534
- V *Greenovia dodrentalis* (Willd.) Webb & Berthel. 17534  
V 20750 Spain - Canary Is. 17534
- V *Hylotelephium caucolicolum* (Praeger) H. Ohba 10572  
V 10572 Japan 10572
- E *Hylotelephium sielbodii* (Sweet ex Hook.) H. Ohba var. *ettyuense* (Tomida) H. Ohba 10572  
E 10572 Japan 10572
- V *Hylotelephium tsugaruense* (Hara) H. Ohba 10572  
V 10572 Japan 10572
- V *Hypogophytum abyssinicum* 19704  
V 19704 Ethiopia (Tigray Upland, Gonder, Shewa Upland.) 19704
- R *Jovibarba allionii* (Jord. & Fourr.) D.A. Webb 20171  
R France  
R Italy
- I *Jovibarba hirta* (L.) Opiz ssp. *glabrescens* (Sabr.) Holub 8000, 20171  
I 19321 Slovakia 19321
- I *Jovibarba hirta* (L.) Opiz ssp. *tatrensis* (Domin) A. Love et D. Love 8000  
I 19321 Slovakia 19321
- Ex/E *Kalanchoe angustifolia* A. Rich 19704

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Crassulaceae: *Kalanchoe*

- Ex/E 19704 Ethiopia (Tigray Upland) 19704
- R *Kalanchoe beharensis* Drake var. *aureo-aeneus* H.J. Jacobsen 10368  
R Madagascar
- R *Kalanchoe beharensis* Drake var. *subnuda* H.J. Jacobsen 10368  
R Madagascar
- I *Kalanchoe bitteri* Raym.-Hamet 10368  
I Madagascar
- R *Kalanchoe crundallii* I. Verd. 20604  
R 20604 South Africa - Transvaal 20604
- I *Kalanchoe fadenorum* Raadsd  
I Kenya
- R *Kalanchoe fastuifolia* Font Quer  
R Morocco
- R *Kalanchoe garambiensis* Kudo 20511  
R 20511 Taiwan 20511
- R *Kalanchoe olivacea* Dalz. & Gibson 14782  
R 14782 India - Tamil Nadu 14782
- R *Kalanchoe robusta* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- E *Kalanchoe roseus* Clarke 14782  
E 14782 India - Manipur 14782  
E 14782 India - Nagaland 14782
- R *Kalanchoe schimperiana* A. Rich. 19704  
R 19704 Ethiopia (West Eritrea, Tigray Upland, Gamo Gofa, Shewa Upland, Bale) 19704
- R *Kalanchoe stenosphon* Britten 19704  
R 19704 Ethiopia (West Entrea, Tigray Upland) 19704
- R *Kalanchoe viguieri* Raym.-Hamet & H. Perrier 10368  
R 10368 Madagascar 10368
- E *Monanthes adenoscepes* Svent. 20750  
E 20750 Spain - Canary Is. 20750
- R *Monanthes amygdros* Svent.  
R Spain - Canary Is.
- V *Monanthes anagensis* Praeger  
V 20750 Spain - Canary Is. 20750
- E *Monanthes dasyphylla* Svent.  
E Spain - Canary Is.
- R *Monanthes lowei* (Paiva) D. Bramwell in press  
R Portugal - Salvage Is.
- V *Monanthes minima* Bolle 20750  
V 20750 Spain - Canary Is. 20750
- R *Monanthes muralis* (Webb ex Bolle) Christ  
R Spain - Canary Is.
- E *Monanthes niphophila* Svent. 17530  
E 20750 Spain - Canary Is. 20750
- R *Monanthes pallens* Webb ex Christ  
R Spain - Canary Is.
- R *Monanthes polyphylla* Haw.  
R Spain - Canary Is.
- R *Monanthes silensis* (Praeger) Svent.  
R Spain - Canary Is.
- E *Monanthes wildpretii* 17891  
E 20750 Spain - Canary Is. 17891
- R *Orostachys iwarenge* Makino var. *boehmeri*  
Ohwi 10572  
R 10572 Japan 10572
- I *Rosularia aizoon* (Fenzl) A. Berger 5942  
I 5942 Armenia 5942
- R *Rosularia davisii* Muirhead 12840  
R 12840 Turkey 12840
- R *Rosularia haussknechtii* Boiss. & Reuter 12840  
R 12840 Turkey 12840
- E *Rosularia semiensis* (A. Rich) Ohba 19704  
E 19704 Ethiopia (Gonder) 19704
- R *Rosularia serpentinica* (Werdermann) Muirhead 12840  
R 12840 Turkey 12840
- E *Sedella leiocarpa* H.K. Sharsmith 20850  
E 20850 U.S. - California 20850
- R *Sedella pentandra* H.K. Sharsmith 20850  
I 20850 U.S. - California 20850
- R *Sedella pumila* (Benth.) Britt. & Rose 20850  
I 20850 U.S. - California 20850
- V *Sedum albomarginatum* Clausen 20850  
V 20850 U.S. - California 20850
- E *Sedum baleensis* M. Gilbert 19704  
E 19704 Ethiopia (Bale) 19704
- R *Sedum barcense* Maire & M. Weiller  
R Libya
- V *Sedum boninense* Tuy. 8038  
V 19134 Japan - Ogasawara-shoto 8038
- V *Sedum borissovae* Balk. 20171  
V former European USSR
- R *Sedum borschii* (Clausen) Clausen 20850  
V 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Sedum bracteatum* Viv.  
R Libya
- R *Sedum brissemoretii* Raymond-Hamet 17891  
R Portugal - Madeira 17891
- R *Sedum campanulatum* (Willk.) Fern. Gonz. & Cantó 15846, 20171  
R 15846 Spain 15846
- R *Sedum caroli-henrici* Kit Tan 12840  
R 12840 Turkey 12840
- R *Sedum cilicicum* Kit Tan & Vural 12840  
R 12840 Turkey 12840
- R *Sedum cyprium* A.K. Jackson & Turrill 14230  
R 19164 Cyprus (Troodos) 14230
- R *Sedum cyrenaicum* Brullo & Furnari  
R Libya
- E *Sedum drymarioides* Hance var. *toyamae*  
Hara 10572  
E 10572 Japan 10572
- I *Sedum duthie* Frod.  
I India - Uttar Pradesh (Kumaun)
- V *Sedum epidendron* A. Rich. 19704  
V 19704 Ethiopia (Gonder, Gojam, Shewa Upland, Arsi.) 19704
- R *Sedum farinosum* Lowe  
R Portugal - Madeira
- I *Sedum frutescens* Rose 19850  
I 19850 Mexico 19850
- R *Sedum gattefossei* Battand.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Crassulaceae: *Sedum*

- R Morocco
- V *Sedum glomerifolium* M. Gilbert 19704  
V 19704 Ethiopia (Bale) 19704
- V *Sedum havardii* Rose 20850  
V 20850 U.S. - Texas 20850
- R *Sedum hewittii* Chamb. 12840  
R 12840 Turkey 12840
- R *Sedum hierapetrae* Rech.f. 20171  
R 20731 Greece - Crete 20731
- R *Sedum hillebrandtii* Fenzl 2050, 20171  
E 2050 Czech Republic 2050  
R 20686 Hungary 20686
- R *Sedum hispanicum* L. var. *planifolium*  
Chamb. 12840  
R 12840 Turkey 12840
- E *Sedum integrifolium* (Raf.) Nels. ssp. *leedyi*  
(Rosendahl & Moore) Clausen 20850, 14774  
E 20850 U.S. - Minnesota (Fillmore & Olmsted Co.)  
20850  
E 20850 U.S. - New York (Yates County) 20850
- R *Sedum kostovii* Stef. 5204, 20171  
R 5204 Bulgaria (south) 5204
- V *Sedum lagascae* Pau 20171  
V Spain
- R *Sedum lancerottense* R.P. Murray 20750  
R 20750 Spain - Canary Is. 20750
- E *Sedum laxum* (Britton) A. Berger ssp. *eastwoodiae*  
(Britt.) Clausen 20850  
E 20850 U.S. - California 20850
- R *Sedum laxum* (Britton) A. Berger ssp. *flavidum*  
Denton 20850  
R 20850 U.S. - California 20850
- R *Sedum laxum* (Britton) A. Berger ssp. *heckneri*  
(M.E. Peck) Clausen 20850  
V 20850 U.S. - California 20850  
R 20850 U.S. - Oregon 20850
- R *Sedum maurum* Humbert & Maire  
R Morocco
- R *Sedum microstachyum* (Kotschy) Boiss. 14230  
R 19164 Cyprus (Troodos, Chionistra) 14230
- E *Sedum mooneyi* M. Gilbert 19704  
E 19704 Ethiopia (Arsi, Bale.) 19704
- E *Sedum moranii* Clausen 20850  
E 20850 U.S. - Oregon 20850
- V *Sedum nevii* Gray 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850
- E *Sedum nudum* Aiton ssp. *lancerottense* (Murray) A.  
Hansen & Sunding  
E Spain - Canary Is.
- R *Sedum oblanceolatum* Clausen 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- E *Sedum obtusatum* A. Gray ssp. *paradisum*  
Denton 20850  
E 20850 U.S. - California 20850
- R *Sedum platyphyllum* Alexander 19850  
R 19850 Mexico 19850
- Ex *Sedum polystriatum* R.T. Clausen 12840  
Ex 12840 Turkey 12840
- R *Sedum pruinatum* Link ex Brot. 19174, 20171  
R 19174 Portugal 19174
- R *Sedum pusillum* Michx. 20850  
I 20850 U.S. - Alabama 20850  
R 20850 U.S. - Georgia 20850  
E 20850 U.S. - North Carolina 20850  
V 20850 U.S. - South Carolina 20850
- R *Sedum radiatum* Clausen ssp. *depauperatum*  
Clausen 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Oregon 20850
- E *Sedum satsumense* Hatus. 10572  
E 10572 Japan 10572
- R *Sedum sekiteiense* Yamamoto 20511  
R 20511 Taiwan 20511
- R *Sedum serpentinei* Janch. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R Greece 20178
- R *Sedum sikokianum* Maxim. 10572  
R 10572 Japan 10572
- R *Sedum sorgerae* Kit Tan & Chamberlain 12840  
R 12840 Turkey 12840
- E *Sedum suaveolens* Kimmach 9019  
E 11119 Mexico - Durango 9019
- R *Sedum torulosum* R.T. Clausen 19850  
R 19850 Mexico 19850
- V *Sedum tosaense* Makino 10572  
V 10572 Japan 10572
- R *Sedum tymphaeum* 20171  
R Greece
- R *Sedum wilczekianum* Font Quer  
R Morocco
- R *Sedum willkommianum* R.Fern. 20171  
R 8322 Portugal 8322
- R *Sempervivum andreaenum* Wale 20171  
R Spain
- I *Sempervivum arboreum* L. 20171  
I Morocco
- R *Sempervivum armenum* Boiss. & Huet var. *insigne*  
Muirhead 12840  
R 12840 Turkey 12840
- R *Sempervivum ballsii* Wale 20171  
R Greece
- R *Sempervivum brevipetalum* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Sempervivum dolomiticum* Facchini 18264, 20171  
R 18264 Italy 18264
- R *Sempervivum furseorum* Muirhead 12840  
R 12840 Turkey 12840
- R *Sempervivum gillanii* Muirhead 12840  
R 12840 Turkey 12840
- R *Sempervivum giuseppii* Wale 20171  
R Spain
- R *Sempervivum glabrifolium* Boiss. 12840  
R 12840 Turkey 12840
- R *Sempervivum globiferum* L. ssp. *aghricum* Kit Tan &  
Sorger 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Crassulaceae: *Sempervivum*

- R 12840 Turkey 12840
- R *Sempervivum ispartae* Muirhead 12840  
R 12840 Turkey 12840
- V *Sempervivum juvenii* Srgar 13662, 20171  
V 13662 Slovenia (eastern) 13662
- R *Sempervivum kindingeri* Adamovic 20171  
R Greece  
R (former) Yugoslavia
- R *Sempervivum kosaninii* Praeger 20171  
R (former) Yugoslavia
- R *Sempervivum macedonicum* Praeger 20171  
R (former) Yugoslavia
- R *Sempervivum minus* Turrill s.l. 12840  
R 12840 Turkey 12840
- V *Sempervivum montanum* L. ssp. *carpathicum* Wettst. ex Hayek 8000, 20171  
V 19751 Poland 19751  
V 19321 Slovakia 19321
- R *Sempervivum octopodes* Turrill 20171  
R (former) Yugoslavia
- R *Sempervivum pisidicum* H. Pesmen & A. Guner 12840  
R 12840 Turkey 12840
- R *Sempervivum pitonii* Schott, Nyman & Kotschy 20171  
R Austria
- R *Sempervivum staintonii* Muirhead 12840  
R 12840 Turkey 12840
- R *Sempervivum thompsonianum* Wale 20171  
R (former) Yugoslavia
- Ex *Tacitus bellus* Moran & Meyran 9114  
Ex 9114 Mexico - Chihuahua 9114
- R *Tylecodon albiflorus* Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon atropurpureus* Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon bayeri* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon boddleyae* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon decipiens* Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon ellaphieae* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- V *Tylecodon fragilis* (R.A.Dyer) Toelken 20604  
V 20604 South Africa - Cape Province 20604
- R *Tylecodon hirtifolius* (W.F.Barker) Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon kritzingeri* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- E *Tylecodon singularis* (R.A.Dyer) Toelken 20604  
E 20604 Namibia 20604  
E 20604 South Africa - Cape Province 20604
- R *Tylecodon suffultus* Bruyns ex Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon sulphureus* (Toelken) Toelken 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon tenuis* (Toelken) Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Tylecodon torulosus* Toelken 20604  
R 20604 South Africa - Cape Province 20604

Crossosomataceae

Number of genera: 3  
Number of species: 10  
Recorded threatened species: 4 (40%)

Arid western United States and adjacent Mexico.

- R *Apacheria chiricahuensis* C.T. Mason 20850  
V 20850 U.S. - Arizona 20850  
R 20850 U.S. - New Mexico 20850
- E *Glossopetalon clokeyi* (Ensign) St. John 20850  
V 20850 U.S. - Nevada 20850
- R *Glossopetalon spinescens* var. *meionandrum* (Koehe) Trel. 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- E *Glossopetalon texense* (Ensign) St. John 20850  
E 20850 U.S. - Texas 20850

Cruciferae

Number of genera: 350  
Number of species: 3,000  
Recorded threatened species: 747 (24%)

Cool temperate or warm temperate Northern or Southern Hemisphere.

- R *Aethionema carlsbergii* Strid & Papan. 20171  
R Greece (Mt Taygetos)
- V *Aethionema cordatum* (Desf.) Boiss. 20171  
V Greece
- R *Aethionema cordatum* (Desf.) ssp. *pichleri* (Boiss.) Hardvig & Strid 12840  
R 12840 Turkey 12840
- R *Aethionema demirizii* Davis & Hedge 12840  
R 12840 Turkey 12840
- R *Aethionema froedinii* Rech. fil. 12840  
R 12840 Turkey 12840
- R *Aethionema huber-morathli* Davis & Hedge 12840  
R 12840 Turkey 12840
- R *Aethionema lepidioides* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Aethionema lycium* I.A. Anderson ex al. 12840  
R 12840 Turkey 12840
- R *Aethionema marashicum* Davis 12840  
R 12840 Turkey 12840
- R *Aethionema munzurensense* Davis & Yildirimli 12840  
R 12840 Turkey 12840
- R *Aethionema orbiculatum* (Boiss.) Hayek 20171  
R Greece
- R *Aethionema papillosum* Davis 12840  
R 12840 Turkey 12840
- R *Aethionema retsina* Phitos & Snogerup 20171  
R 20731 Greece (west Aegean) 20731
- R *Aethionema speciosum* Boiss. & Huet ssp. *compactum* Hardvig & Strid 12840  
R 12840 Turkey 12840
- R *Aethionema subulatum* (Boiss. & Heldr.) Boiss. 12840  
R 12840 Turkey 12840
- V *Aethionema thesiifolium* Boiss. & Heldr. 12840  
V 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Aethionema*

- V** *Aethionema thomasianum* J.Gay 18264, 20171  
**E** 20528 France 20528  
**V** 18264 Italy (Aosta Valley) 18264
- V** *Alyssum akamasicum* B.L. Burt 14230  
**V** 20710 Cyprus (Akamas peninsula) 14230
- R** *Alyssum anatolicum* Hausskn. ex Nyar 12840  
**R** 12840 Turkey 12840
- R** *Alyssum antiatlanticum* Emberger & Maire  
**R** Morocco
- R** *Alyssum argyrophyllum* Schott & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Alyssum artvinense* Busch 12840  
**R** 12840 Turkey 12840
- R** *Alyssum aurantiacum* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Alyssum bornmuelleri* Hausskn. ex Degen 12840  
**R** 12840 Turkey 12840
- R** *Alyssum caespitosum* Baumg. 12840  
**R** 12840 Turkey 12840
- R** *Alyssum calycocarpum* Rupr. 20171  
**R** former European USSR
- V** *Alyssum caricum* Dudley & Hub.-Mor. 12840  
**V** 12840 Turkey 12840
- R** *Alyssum chondrogynum* B.L. Burt 14230  
**R** 19164 Cyprus 14230
- R** *Alyssum cilicicum* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- I** *Alyssum crenulatum* Boiss. 12840  
**I** 12840 Turkey 12840
- R** *Alyssum davisianum* Dudley 12840  
**R** 12840 Turkey 12840
- R** *Alyssum densistellatum* T.R.Dudley 20171  
**R** Greece
- R** *Alyssum discolor* Dudley & Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Alyssum doerfleri* Degen 20171  
**R** Greece  
**R** (former) Yugoslavia
- I** *Alyssum dubertretii* Gomb 12840  
**I** 12840 Turkey 12840
- R** *Alyssum eriophyllum* Boiss. & Hausskn. 12840  
**R** 12840 Turkey 12840
- R** *Alyssum euboicum* Halácsy 20171  
**R** Greece
- R** *Alyssum fallacinum* Hausskn. 20171  
**R** Greece
- E** *Alyssum fastigiatum* Heywood 8000, 20171  
**E** 14155 Spain (Sierra Nevada) 8000
- R** *Alyssum flahaultianum* Emberger  
**R** Morocco
- V** *Alyssum fragillimum* (Baldacci) Rech.f. 20171  
**V** 20730 Greece - Crete 19121
- R** *Alyssum fulvescens* Sibth. & Sm. var. *stellatocarpum*  
**Hub.-Mor.** 12840  
**R** 12840 Turkey 12840
- R** *Alyssum giosnanum* Nyar 12840  
**R** 12840 Turkey 12840
- R** *Alyssum haussknechtii* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Alyssum heldreichii* Hausskn. 20171  
**R** Greece
- R** *Alyssum huber-morathii* Dudley 12840  
**R** 12840 Turkey 12840
- R** *Alyssum idaeum* Boiss. & Heldr. 20171  
**R** 20730 Greece - Crete 19121
- V** *Alyssum lassiticum* Halácsy 20171  
**V** 20730 Greece - Crete 19121
- R** *Alyssum lepidoto-stellatum* (Hausskn. & Bornm.)  
**Dudley** 12840  
**R** 12840 Turkey 12840
- R** *Alyssum lesbiacum* (Candargy) Rech.f.  
**R** Greece
- R** *Alyssum leucadeum* Guss. 8000, 20171  
**V** Italy 8000  
**R** (former) Yugoslavia 8000
- R** *Alyssum lycaonicum* (Schulz) Dudley 12840  
**R** 12840 Turkey 12840
- R** *Alyssum macropodum* Boiss. & Bal. var. *heterotrichum*  
**Hub.-Mor.** 12840  
**R** 12840 Turkey 12840
- R** *Alyssum markgrafii* O.E.Schulz 20171  
**R** 20178 Albania 20178  
**R** (former) Yugoslavia
- R** *Alyssum moellendorffianum* Asch. ex Beck 20171  
**E** 21091 Bosnia & Herzegovina 20852  
**R** (former) Yugoslavia
- R** *Alyssum montanum* L. ssp. *brymii*  
**Dostál** 19839  
**R** 20686 Hungary 20686  
**I** 19751 Poland 19751  
**V** 19321 Slovakia 19321
- R** *Alyssum nebrodense* Tineo ssp. *nebrodense* 18264, 20171  
**R** 19164 Greece 19164  
**R** 18264 Italy - Sicily 18264
- I** *Alyssum niveum* Dudley 12840  
**I** 12840 Turkey 12840
- V** *Alyssum pinifolium* (Nyar) Dudley 12840  
**V** 12840 Turkey 12840
- V** *Alyssum pintodasilvae* T.R. Dudley 17891  
**V** 20076 Portugal 20076
- R** *Alyssum praecox* Boiss. & Bal. var. *albiflorum*  
**Dudley** 12840  
**R** 12840 Turkey 12840
- R** *Alyssum pterocarpum* Dudley 12840  
**R** 12840 Turkey 12840
- R** *Alyssum purpureum* Lag. & Rodr. 11496  
**R** 11496 Spain (Granada & Sierra Nevada) 11496
- V** *Alyssum robertianum* Bernard ex Gren. & Godr. 15080,  
 20171  
**V** 20528 France - Corsica 15080  
**V** 20805 Italy - Sardinia 19164
- R** *Alyssum smolikanum* Nyár. 20171  
**R** 20178 Albania 20178  
**R** Greece
- V** *Alyssum sphacioticum* Boiss. & Heldr. 20171  
**V** 20730 Greece - Crete 19121
- R** *Alyssum taygeteum* Heldr. 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Alyssum*

- R Greece
- R *Alyssum tenium* Halácsy 20171  
R Greece
- R *Alyssum tetrastemon* Boiss. 12840  
R 12840 Turkey 12840
- R *Alyssum thymops* (Hub.-Mor. & Reese) Dudley 12840  
R 12840 Turkey 12840
- R *Alyssum trapeziforme* Bornm. ex Nyar 12840  
R 12840 Turkey 12840
- R *Alyssum trichocarpum* Dudley & Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Alyssum wulfenianum* Bernh. 20171  
R Austria  
R (former) Yugoslavia
- R *Anchonium elichrysisifolium* (DC.) Boiss. ssp. *canescens* (Hausskn. & Bornm.) Coode & Cullen 12840  
R 12840 Turkey 12840
- R *Anchonium elichrysisifolium* (DC.) Boiss. ssp. *glandulosum* Coode & Cullen 12840  
R 12840 Turkey 12840
- R *Anchonium elichrysisifolium* (DC.) Boiss. ssp. *villosum* Cullen & Coode 12840  
R 12840 Turkey 12840
- R *Aphragmus eschscholtzianus* Andr. ex DC. 20850, 1034  
E 20850 Canada - British Columbia 20850  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- R *Arabidopsis bursifolia* (DC.) Botsch. s.str. var. *beringensis* Jurtz. 20085, 21309  
R 20085 Russia (E. Europe) - North 20085
- V *Arabidopsis kneuckeri* (Bornm.) O. Schulz  
V Egypt
- I *Arabidopsis tschuktschorum* (Jurtzev) Jurtzev 5942, 21309  
I 5942 Russia (Far East) - Magadan (north) 5942
- R *Arabis abietina* Bornm. 12840  
R 12840 Turkey 12840
- R *Arabis androsacea* Fenzl. 12840  
R 12840 Turkey 12840
- R *Arabis aubrietioides* Boiss. 12840  
R 12840 Turkey 12840
- V *Arabis beckwithii* S. Watson 20850  
I 20850 U.S. - Nevada 20850  
20850 U.S. - Utah 20850
- V *Arabis bodiensis* Rollins 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- E *Arabis breweri* S. Watson var. *pecuniaria* Rollins 20850  
E 20850 U.S. - California 20850
- R *Arabis carduchorum* Boiss. 12840  
R 12840 Turkey 12840
- R *Arabis cebennensis* DC. 20171  
R France (mountains in south)
- V *Arabis constancei* Rollins 20850  
V 20850 U.S. - California 20850
- R *Arabis demissa* Rollins var. *languida* Rollins 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Montana 20850
- I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Wyoming 20850
- R *Arabis dispar* M.E. Jones 20850  
R 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R *Arabis doumetii* Coss. 10487  
R 14958 Algeria 10487
- R *Arabis drabiformis* Boiss. 12840  
R 12840 Turkey 12840
- E *Arabis falcatoria* Rollins 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E *Arabis falcifruca* Rollins 20850  
E 20850 U.S. - Nevada 20850
- V *Arabis fecunda* Rollins 20850  
V 20850 U.S. - Montana 20850
- R *Arabis fendleri* (S. Wats.) Greene var. *spatifolia* (Rydb.) Rollins 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850  
V 20850 U.S. - Wyoming 20850
- R *Arabis ferdinandi-coburgi* Kellerer & Sünd. 5204, 20171  
R 5204 Bulgaria 5204
- R *Arabis fernaldiana* Rollins var. *fernaldiana* 20850  
V 20850 U.S. - Colorado 20850  
R 20850 U.S. - Nevada 20850
- V *Arabis fernaldiana* Rollins var. *stylosa* (S. Watson) Rollins 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- Ex/E *Arabis fructifosa* A. Nels. 20850, 14662  
I 20850 U.S. - Montana 20850  
Ex/E 20850 U.S. - Wyoming 20850
- V *Arabis georgiana* Harper 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850
- R *Arabis glaucovalvula* M.E. Jones 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Arabis graellsiformis* Hedge 12840  
R 12840 Turkey 12840
- R *Arabis gunnisoniana* Rollins 20850  
I 20850 U.S. - Colorado 20850
- Ex/E *Arabis hastatula* Greene 20850  
I 20850 U.S. - Oregon 20850
- E *Arabis hoffmannii* (Munz) Rollins 20850  
E 20850 U.S. - California 20850
- R *Arabis inyoensis* Rollins 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Arabis johnstonii* Munz 20850  
V 20850 U.S. - California 20850
- E *Arabis kennedyae* Meikle 14230  
E 19164 Cyprus (Troodos) 14230
- E *Arabis koehleri* Howell var. *koehleri* 20850  
E 20850 U.S. - Oregon 20850
- R *Arabis koehleri* Howell var. *stipitata* Rollins 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Arabis*

- E 20850 U.S. - California 20850  
R 20850 U.S. - Oregon 20850
- E** *Arabis lasiocarpa* Rollins 20850  
I 20850 U.S. - Idaho 20850  
E 20850 U.S. - Utah 20850
- R** *Arabis lusitanica* Boiss. 20171  
R 8322 Portugal 8322
- V** *Arabis macdonaldiana* Eastw. 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- E** *Arabis macloviana* (Urv.) Hook.f.  
E Falkland Is.
- V** *Arabis modesta* Rollins 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- E** *Arabis ophira* Rollins 20850  
E 20850 U.S. - Nevada 20850
- V** *Arabis oxylobula* Greene 20850  
I 20850 U.S. - Colorado 20850
- V** *Arabis parishii* S.Watson 20850  
V 20850 U.S. - California 20850
- R** *Arabis pedemontana* Boiss. 20171  
R 20804 Italy 20804
- R** *Arabis pendulina* Greene var. *russeola* (Rollins)  
Rollins 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- E** *Arabis perstellata* E.L. Braun 20850  
I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Tennessee 20850
- E** *Arabis perstellata* E.Braun var. *ampla*  
Rollins 20850  
E 20850 U.S. - Tennessee 20850
- E** *Arabis perstellata* E.Braun var. *perstellata* 20850  
I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Kentucky 20850
- E** *Arabis pinzliae* Rollins 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- E** *Arabis pusilla* Rollins 20850  
E 20850 U.S. - Wyoming 20850
- R** *Arabis rigidissima* Rollins 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- E** *Arabis rigidissima* Rollins var. *demota*  
Rollins 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- E** *Arabis rigidissima* Rollins var. *rigidissima* 20850  
E 20850 U.S. - California 20850
- V** *Arabis sadina* (Samp.) Cout. 8000, 20171  
V 20076 Portugal (central) 8000
- V** *Arabis schistacea* Rollins 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V** *Arabis serotina* Steele 20850  
V 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- R** *Arabis shockleyi* Munz 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850  
R 20850 U.S. - Utah 20850
- R** *Arabis sparsiflora* Nutt. var. *atrorubens* (Suksdorf)  
ex Greene) Rollins 20850  
I 20850 U.S. - Washington 20850
- R** *Arabis stenocarpa* Boiss. & Reuter  
R Spain
- I** *Arabis stewartiana* Jafri  
I India (W. Himalaya)
- R** *Arabis subflava* B.M.G.Jones 20171  
R Greece  
R (former) Yugoslavia
- E** *Arabis suffrutescens* S.Watson var. *horizontalis*  
(Greene) Rollins 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- E** *Arabis tanakana* Makino 10572  
E 10572 Japan 10572
- I** *Arabis tenuirostris* O. Schulz  
I India - Jammu & Kashmir
- E** *Arabis tiehmi* Rollins 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- V** *Arabis tricornuta* Rollins 20850  
V 20850 U.S. - Arizona 20850
- R** *Arabis wernerii* Emberger & Maire  
R Morocco
- R** *Arabis williamsii* Rollins 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
R 20850 U.S. - Wyoming 20850
- V** *Arabis williamsii* Rollins var. *saximontana*  
(Rollins) Rollins 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- R** *Arabis williamsii* Rollins var. *williamsii* 20850  
R 20850 U.S. - Wyoming 20850
- R** *Aubrieta anamasica* H. Pesmen & A. Guner 12840  
R 12840 Turkey 12840
- R** *Aubrieta erubescens* Griseb. 20171  
R Greece
- R** *Aubrieta olympica* Boiss. 12840  
R 12840 Turkey 12840
- I** *Aubrieta scyria* Halácsy 20171  
I 5409 Greece (Skiros) 5409
- R** *Aubrieta thessala* Boissieu 20171  
R Greece
- R** *Aurinia leucadea* (Guss.) K.Koch 18264, 20171  
R 18264 Italy (Puglia) 18264  
R 20804 (former) Yugoslavia 8000
- E** *Ballantinia antipoda* (F.Muell.) E.Shaw 20681  
Ex 20681 Australia - Tasmania 20681  
E 20681 Australia - Victoria 20681
- R** *Barbarea auriculata* Hausskn. ex Bornm. s.l. 12840  
R 12840 Turkey 12840
- E** *Barbarea australis* Hook.f. 20681  
E 20681 Australia - Tasmania 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Barbarea*

- R** *Barbarea bosniaca* Murb. 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Barbarea conferta* Boiss. & Heldr. 20171  
R Greece
- I** *Barbarea lepuznica* Nyár. 17823, 20171  
I 19949 Romania 20631
- R** *Barbarea lutea* Cullen & Coode 12840  
R 12840 Turkey 12840
- R** *Barbarea minor* C. Koch var. *anfiactroza* Hartvig & Strid 12840  
R 12840 Turkey 12840
- R** *Barbarea othocera* Ledeb. var. *formosana* Kitamura 20511  
R 20511 Taiwan 20511
- R** *Barbarea platycarpa* Hausskn. ex Bornm. 12840  
R 12840 Turkey 12840
- V** *Barbarea sicula* C.Presl 8000, 20171  
V Greece  
V Italy  
E 20738 Italy - Sicily 19164
- R** *Barbarea taiwaniana* Ohwi 20511  
R 20511 Taiwan 20511
- R** *Berberoa gintlilii* Rohl. 20171  
R (former) Yugoslavia
- V** *Biscutella arvernensis* Jord. 20171  
V 20528 France (Massif Central) 20528
- R** *Biscutella brevicaulis* Jord. 20171  
R 20528 France (French Alps) 20528
- E** *Biscutella divionensis* Jord. 20171  
E 20528 France (east-central near Dijon) 20528
- V** *Biscutella elbensis* Chrtek  
V Egypt
- R** *Biscutella foliosa* Mach.-Laur. 20171  
R Spain
- R** *Biscutella gredensis* Guinea 20171  
R Spain
- V** *Biscutella incana* Ten. 18264, 20171  
V 18264 Italy (Campania) 18264
- V** *Biscutella lamottii* Jord. 20171  
V 20528 France (Monts d'Auvergne) 20528
- V** *Biscutella neustriaca* Bonnet 8000, 20171  
V 20528 France (Normandy) 20528
- V** *Biscutella rotgesii* Foucaud 20171  
V 19174 France - Corsica 12844
- R** *Biscutella sclerocarpa* Revel 20171  
R France (south)
- V** *Biscutella variegata* Boiss. & Reut. 20171  
V Spain
- V** *Biscutella vincentina* (Samp.) Rothm. ex Guinea 8000, 20171  
V 20076 Portugal (south west - Cabo de S. Vicente) 8000
- R** *Boleum asperum* (Pers.) Desv. 8000, 20171  
R 20874 Spain (Ebro basin) 8000
- V** *Boreava aptera* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R** *Bornmuellera cappadocica* (DC.) Cullen & Dudley 12840  
R 12840 Turkey 12840
- R** *Bornmuellera dieckii* Degen 20171  
R (former) Yugoslavia
- R** *Bornmuellera glabrescens* (Boiss. & Bal.) Cullen & Dudley 12840  
R 12840 Turkey 12840
- I** *Borodinia baicalensis* N. Busch. 5942  
I 5942 Russia (Siberia) - Buryatiya 5942  
I 5942 Russia (Siberia) - Chita 5942  
I 5942 Russia (Siberia) - Irkutsk 5942
- R** *Botschantzevia karatavica* (Lipsch. & Pavlov) Nabiev  
R former USSR 6930
- R** *Brassica balearica* Pers. 11496  
R 11496 Spain - Balearic Is. 11496
- E** *Brassica bourgeaui* (Webb ex Christ) Kuntze  
E Spain - Canary Is.
- R** *Brassica cadmea* Heldr. ex O.E. Schulz 20171  
R Greece
- R** *Brassica desnottesii* Emberger & Maire  
R Morocco
- R** *Brassica dimorpha* Coss. & Durieu 10487  
R 14958 Algeria 10487
- V** *Brassica glabrescens* Poldini 17891, 20171  
V 18264 Italy (Friuli-Venezia Giulia) 17891
- V** *Brassica hilarionis* Post 14230  
V 19164 Cyprus 14230
- R** *Brassica integrifolia* (West) O.E. Schulz 7926  
R Côte d'Ivoire (Man) 7926
- E** *Brassica macrocarpa* Guss. 8000, 20171  
E 18264 Italy - Sicily (Isola Marettimo & Isola Favignana) 8000
- R** *Brassica nivalis* Boiss. & Heldr. ssp. *jordanoffii* O. E. Schulz 8000, 20171  
R 5204 Bulgaria (south-west) 8000
- V** *Brassica repanda* (Willd.) DC. ssp. *galissieri* (Giraudias) Heywood 20171  
V 20528 France (Pyrénées) 20528
- V** *Brassica spinescens* Pomel 10487  
V 14958 Algeria 10487
- I** *Brassica sylvestris* (L.) Mill. ssp. *taurica* Tzelev 5942  
I 5942 Ukraine - Crimea 5942
- R** *Brassica villosa* Biv. 20171  
R Italy - Sicily
- V** *Braya fernaldii* Abbe 20850, 14366  
V 20850 Canada - Newfoundland (Island) 20850
- E** *Braya glabella* Richards. var. *prostata* 13967  
E 13967 Canada 13967
- E** *Braya longii* Fern. 20850, 14366  
E 20850 Canada - Newfoundland (Island) 20850
- Ex/E** *Braya pilosa* Hook. 20850, 14438  
I 20085 Russia (E. Europe) - North 20085  
Ex 20850 Canada - Keewatin 20850  
I 20850 Canada - Yukon Territory 20850
- V** *Cakile edentula* (Bigelow) Hook. ssp. *harperi* (Small) Rodman 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- I** *Camelina anomala* Boiss. & Hausskn. 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Camelina*

- I 12840 Turkey 12840
- R** *Camelina stiefelhagenii* Bornm. 12840  
R 12840 Turkey 12840
- V** *Capsella bursa-pastoris* (L.) Medik. ssp. *thracica*  
(Velen.) Stoj. & Stefanov 19266, 20171  
V 5204 Bulgaria (south) 19266
- V** *Cardamine arakiana* Koidz. 10572  
V 10572 Japan 10572
- R** *Cardamine balnearia* Standley & Steyer. 9004  
R 9666 Guatemala 9004
- R** *Cardamine caldeirarum* Guthnick 20171  
R Portugal - Azores
- R** *Cardamine californica* Greene var. *californica* 20850  
I 20850 U.S. - California 20850
- V** *Cardamine clematitis* Shuttlw. ex Gray 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Virginia 20850
- R** *Cardamine constancei* Detling 20850  
R 20850 U.S. - Idaho 20850
- V** *Cardamine cuneata* Greene 20850  
I 20850 U.S. - California 20850
- R** *Cardamine eremita* Standley & Steyer. 9004  
R 9666 Guatemala 9004
- R** *Cardamine flagellifera* O.E. Schulz 20850  
I 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- R** *Cardamine gemmata* Greene 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R** *Cardamine jejuna* Standley & Steyer. 9004  
R 9666 Guatemala 9004
- R** *Cardamine kiusiana* Hara 10572  
R 10572 Japan 10572
- E** *Cardamine kruesselii* Johow 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R** *Cardamine longii* Fern. 20850  
E 20850 U.S. - Delaware 20850  
V 20850 U.S. - Maine 20850  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - Massachusetts 20850  
Ex/E 20850 U.S. - New Hampshire 20850  
Ex/E 20850 U.S. - New Jersey 20850  
V 20850 U.S. - New York 20850  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - Rhode Is. 20850  
R 20850 U.S. - Virginia 20850
- R** *Cardamine macrocarpa* Brandeg. 20883, 20850, 19002  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- V** *Cardamine macrocarpa* Rollins var. *texana*  
Rollins 20850  
V 20850 U.S. - Texas 20850
- E** *Cardamine micranthera* Rollins 20850  
E 20850 U.S. - North Carolina 20850
- V** *Cardamine pattersonii* Henderson 20850  
V 20850 U.S. - Oregon 20850
- R** *Cardamine reniformis* Hayata 20511  
R 20511 Taiwan 20511
- R** *Cardamine rupicola* (O.E. Schulz) C.L. Hitchc. 20850  
R 20850 U.S. - Montana 20850
- I** *Cardamine sphenophylla* Jurtzev 5942, 21309  
I 5942 Russia (Far East) - Magadan (north) 5942
- R** *Cardamine trifida* (Lam. ex Poir.) B.M.G.Jones 20171  
R former European USSR
- R** *Cardamine tumensis* Nakai 10572  
R 10572 Japan 10572
- R** *Cardamine yezeensis* Maxim. 10572  
R 10572 Japan 10572
- E** *Caulanthus amplexicaulis* S.Watson var. *barbarae*  
(J.T. Howell) Munz 20850  
E 20850 U.S. - California 20850
- V** *Caulanthus barnebyi* Rollins & P. Holmgren 20850  
V 20850 U.S. - Nevada 20850
- R** *Caulanthus coulteri* S.Watson 20850  
I 20850 U.S. - California 20850
- V** *Caulanthus flavescens* (Hook.) Payson 20850  
I 20850 U.S. - California 20850
- V** *Caulanthus glaucus* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Caulanthus hallii* Payson 20850  
I 20850 U.S. - California 20850
- R** *Caulanthus inflatus* S.Watson 20850  
I 20850 U.S. - California 20850
- E** *Caulanthus lemmonii* S.Watson 20850  
I 20850 U.S. - California 20850
- R** *Caulanthus major* (M.E. Jones) Payson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850  
I 20850 U.S. - Utah 20850
- V** *Caulanthus simulans* Payson 20850  
V 20850 U.S. - California 20850
- E** *Caulostromina jaegeri* (Rollins) Rollins 20850  
E 20850 U.S. - California 20850
- R** *Cheesemania radicata* (Hook.f.) O.Schulz 20681  
R 20681 Australia - Tasmania 20681
- V** *Chrysochamela draboides* Woronow 20171  
V former European USSR
- R** *Chrysochamela noeana* (Boiss.) Boiss. 12840  
R 12840 Turkey 12840
- R** *Clypeola ciliata* Boiss. 12840  
R 12840 Turkey 12840
- I** *Clypeola raddeana* Albow 12840  
I 12840 Turkey 12840
- R** *Cochlearia amana* Contandr. & Quezel 12840  
R 12840 Turkey 12840
- R** *Cochlearia aragonensis* H.J.Coste & Soulié 20171  
R 11496 Spain 11496
- R** *Cochlearia formosana* Hayata 20511  
R 20511 Taiwan 20511
- R** *Cochlearia micacea* E.S.Marshall 5387, 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Cochlearia*

- R 5387 United Kingdom (Perthshire, Angus & Ross)  
19232
- Ex/E *Cochlearia polonica* A.Fröhl. 19266, 20171  
Ex/E 20798 Poland (south, nr Olkusz) 7897
- E *Cochlearia sessilifolia* Rollins 20850  
E 20850 U.S. - Alaska 20850
- R *Cochlearia tatrae* Borbás 7897, 20171  
R 18216 Poland (Tatry Mts.) 7897  
I 19321 Slovakia (Vysoké Tatry, Vel'ka Fatra & Nizke Tatry) 6951
- V *Coincya leptocarpa* (Gonz.Albo) Greuter & Burdet 8001, 20171  
V 11496 Spain 11496
- E *Coincya rupestris* Porta & Rigo ex Rouy 19266, 20171  
E 14155 Spain (Alcarat, Sierra de Alcaarez) 11496
- E *Coincya rupestris* Porta & Rigo ex Rouy ssp. *rupestris* 20171  
E 20874 Spain (Sierra de Alcaraz) 20874
- R *Coincya wrightii* (O.E.Schulz) Stace 19701, 20171  
R 5387 United Kingdom (south west - Lundy Island)  
19232
- R *Conringia grandiflora* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- E *Coronopus navasii* Pau 8000, 20171  
E 19174 Spain (Sierra de Gádor) 8000
- E *Crambe arborea* Webb ex Christ 14166  
E 19174 Spain - Canary Is. 17891
- R *Crambe fruticosa* L.f.  
R Portugal - Madeira
- V *Crambe gigantea* (Ceball. & Ortuno) D. Bramwell 20750  
V 20750 Spain - Canary Is. 20750
- V *Crambe gomeraea* Webb ex Christ  
V 20750 Spain - Canary Is. 20750
- V *Crambe laevigata* DC. ex Christ 14166  
V 20750 Spain - Canary Is. 17891
- V *Crambe microcarpa* Santos 20750  
V 20750 Spain - Canary Is. 20750
- R *Crambe pritzelii* Bolle 20750  
R 20750 Spain - Canary Is. 20750
- R *Crambe scaberrima* Webb ex D. Bramwell 20750  
R 19174 Spain - Canary Is. 19174
- R *Crambe scoparia* Svent. 20750  
R 20750 Spain - Canary Is. 20750
- I *Crambe steveniana* Rupr. 5942, 20171  
I 5942 Russia - North Caucasus 5942  
I 5942 Transcaucasus 5942  
I 5942 Ukraine - Crimea 5942
- E *Crambe sventenii* B. Petters. ex Bramw. & Sunding 14166  
E 20750 Spain - Canary Is. 17891
- R *Crambe tataria* Sebeok var. *parviflora* (H.-Mor. Reese) Hedge & H.-Mor. Reese 12840  
R 12840 Turkey 12840
- R *Crambella teretifolia* (Battand.) Maire  
R Morocco
- R *Cusickiella quadricostata* (Rollins) Rollins 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V *Degenia velebitica* (Degen) Hayek 20171  
I 20852 Croatia 20852
- V (former) Yugoslavia
- R *Descurainia artemisioides* Svent. 20750  
R 20750 Spain - Canary Is. 20750
- R *Descurainia gilva* Svent. 20750  
R 19174 Spain - Canary Is. 19174
- V *Descurainia gonzalezii* Svent.  
V Spain - Canary Is.
- E *Descurainia ramosissima* Rollins 20850  
I 20850 U.S. - Colorado 20850
- E *Descurainia torulosa* Rollins 20850  
E 20850 U.S. - Wyoming 20850
- R *Dictyophragmus punensis* (Romanczuk) Al-Shehbaz 21276  
R 21276 Argentina 21276
- R *Diplotaxis acris* Boiss. var. *tibestica* Chevassut & Quezel  
R Chad
- R *Diplotaxis ibicensis* (Pau) Gómez-Campo 17891, 20171  
R 20874 Spain (Alicante) 20692  
R 20874 Spain - Balearic Is. 20874
- Ex *Diplotaxis siettiana* Maire 17891, 20171  
Ex 19818 Spain (Isla de Alborán) 17891
- V *Diplotaxis vicentina* (Cout.) Rothm. 8000, 20171  
V 20076 Portugal 8000
- V *Dithyrea maritima* (A. Davids.) A. Davids. 20850  
V 20850 U.S. - California 20850
- R *Draba acaulis* Boiss. 12840  
R 12840 Turkey 12840
- V *Draba aleutica* Ekman ex Hulten 20850, 21309  
V 20850 U.S. - Alaska 20850
- R *Draba aprica* Beadle 20850  
V 20850 U.S. - Arkansas 20850  
V 20850 U.S. - Georgia 20850  
I 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Missouri 20850  
E 20850 U.S. - Oklahoma 20850
- R *Draba argyrea* Rydb. 20850  
R 20850 U.S. - Idaho 20850
- V *Draba arida* C.L. Hitchc. 20850  
V 20850 U.S. - Nevada 20850
- R *Draba asprella* Greene var. *asprella* 20850  
R 20850 U.S. - Arizona 20850
- V *Draba asprella* Greene var. *zionensis* (C.L. Hitchc.) Welsh & Reveal 20850  
V 20850 U.S. - Utah 20850
- V *Draba asterophora* Payson var. *asterophora* 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- E *Draba asterophora* Payson var. *macrocarpa* C.L. Hitchc. 20850  
E 20850 U.S. - California 20850
- V *Draba borealis* (Hulten) Welsh var. *maxima* (Hulten) Welsh 20850  
V 20850 U.S. - Alaska 20850
- E *Draba brachystylis* Rydb. 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R *Draba breweri* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Draba*

- R** *Draba bruniifolia* Stev. ssp. *armeniaca* Coode & Cullen 12840  
R 12840 Turkey 12840
- R** *Draba cacuminum* E.Ekman 17832, 20171  
R 17832 Norway 17832  
V 20083 Sweden 18216
- V** *Draba californica* (Jepson) Rollins & Price 20850  
V 20850 U.S. - California 20850
- V** *Draba carnosula* O.E. Schulz 20850  
V 20850 U.S. - California 20850
- E** *Draba chamissonis* G. Don 20850  
I 20850 U.S. - Alaska 20850
- E** *Draba corrugata* S.Watson 20850  
I 20850 U.S. - California 20850
- R** *Draba crassa* Rydb. 20850  
V 20850 U.S. - Colorado 20850  
R 20850 U.S. - Montana 20850  
E 20850 U.S. - Utah 20850  
V 20850 U.S. - Wyoming 20850
- V** *Draba crassifolia* Graham var. *nevadensis* C.L. Hitchc. 20850  
V 20850 U.S. - Nevada 20850
- E** *Draba cruciata* Payson 20850  
E 20850 U.S. - California 20850
- E** *Draba cruciata* Payson var. *cruciata* 20850  
I 20850 U.S. - California 20850
- E** *Draba cruciata* Payson var. *integrifolia* C.L. Hitchc. & C.W. Sharsmith 20850  
E 20850 U.S. - California 20850
- V** *Draba cusickii* Robinson ex Schulz var. *pedicellata* Rollins & Price 20850  
V 20850 U.S. - Nevada 20850
- R** *Draba cuspidata* M.Bieb. 20171  
R former European USSR
- I** *Draba dasyastra* Gilg & O. Schulz  
I India - Jammu & Kashmir
- R** *Draba daviesiae* (C.L. Hitchc.) Rollins 20850  
R 20850 U.S. - Montana 20850
- E** *Draba dormeri* Heuff. 20171  
E 19949 Romania 19417
- E** *Draba dubia* Suter ssp. *nevadensis* (Pau) Molero Mesa & Pérez Rava 15398  
E 15398 Spain (Sierra Nevada) 15398
- R** *Draba elegans* Boiss. 12840  
R 12840 Turkey 12840
- V** *Draba exunguiculata* (O.E. Schulz) C.L. Hitchc. 20850  
V 20850 U.S. - Colorado 20850
- V** *Draba graminea* Greene 20850  
V 20850 U.S. - Colorado 20850
- V** *Draba grayana* (Rydb.) C.L. Hitchc. 20850  
V 20850 U.S. - Colorado 20850
- V** *Draba haynaldii* Stur 17762, 20171  
V 19949 Romania 20631
- E** *Draba hidalgensis* Calderon 9663  
E 9666 Mexico 9663
- V** *Draba hispanica* Boiss. ssp. *lebrunii* Monts.  
V Spain
- I** *Draba igarashii* Watan. 10572  
I 10572 Japan 10572
- V** *Draba jaegeri* Munz & Johnston 20850  
V 20850 U.S. - Nevada 20850
- R** *Draba japonica* Maxim. 10572  
R 10572 Japan 10572
- R** *Draba kamschatica* (Ledeb.) N. Busch 20850  
I 20850 Canada - British Columbia 20850  
V 20850 U.S. - Alaska 20850
- E** *Draba kassii* Welsh 20850  
E 20850 U.S. - Utah 20850
- R** *Draba kitadakensis* Koidz. 10572  
R 10572 Japan 10572
- E** *Draba kluaneii* Mulligan 20850, 1034  
E 20850 Canada - Yukon Territory 20850
- R** *Draba ladina* Braun-Blanq. 20171  
R 18154 Switzerland 18154
- R** *Draba lemmonii* S.Watson var. *cyclomorpha* (Payson) O.E. Schulz 20850  
R 20850 U.S. - Oregon 20850
- V** *Draba loiseleurii* Boiss. 15080, 20171  
V 15080 France - Corsica 15080
- R** *Draba lonchocarpa* Rydb. var. *vestita* O.E. Schulz 20850, 10701  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - Alaska 20850
- R** *Draba macounii* O.E. Schulz 20850  
I 20850 Canada - Alberta 20850  
R 20850 Canada - British Columbia 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Yukon Territory 20850  
I 20850 U.S. - Alaska 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Montana 20850
- V** *Draba maguirei* C.L. Hitchc. 20850  
V 20850 U.S. - Utah 20850
- E** *Draba maguirei* C.L. Hitchc. var. *burkei* C.L. Hitchc. 20850  
E 20850 U.S. - Utah 20850
- V** *Draba maguirei* C.L. Hitchc. var. *maguirei* 20850  
V 20850 U.S. - Utah 20850
- R** *Draba mogollonica* Greene 20850  
R 20850 U.S. - New Mexico 20850
- E** *Draba monoensis* Rollins & Price 20850  
E 20850 U.S. - California 20850
- V** *Draba murrayi* Mulligan 20850, 1034  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- R** *Draba nakaiana* Hara 10572  
R 10572 Japan 10572
- R** *Draba oblongata* R. Br. ex DC. 20850, 20171  
I 20850 Canada - Franklin 20850  
I 20850 U.S. - Alaska 20850
- I** *Draba odudiana* Lipsky 5942  
I 5942 Tajikistan 5942
- V** *Draba ogilviensis* Hulten 20850, 1034  
V 20850 Canada - Yukon Territory 20850
- R** *Draba oiana* Honda 10572  
R 10572 Japan 10572
- E** *Draba oreibata* J. F. Macbr. & Payson var. *serpentina* Tiehm & P. Holmgren 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Draba*

- E 20850 U.S. - Nevada 20850
- E *Draba paucifructa* Clokey & C.L. Hitchc. 20850  
E 20850 U.S. - Nevada 20850
- E *Draba pectinipila* Rollins 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Wyoming 20850
- V *Draba pennellii* Rollins 20850  
V 20850 U.S. - Nevada 20850
- R *Draba porsildii* Mulligan 20850  
I 20850 Canada - Alberta 20850  
E 20850 Canada - British Columbia 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Yukon Territory 20850  
E 20850 U.S. - Alaska 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V *Draba pterosperma* Payson 20850  
I 20850 U.S. - California 20850
- E *Draba pycnosperma* Fern. & Knowlt. 20850  
E 20850 Canada - Newfoundland 20850  
E 20850 Canada - Nova Scotia 20850  
E 20850 Canada - Quebec 20850
- E *Draba ramulosa* Rollins 20850  
E 20850 U.S. - Utah 20850
- R *Draba rectifructa* C.L. Hitchc. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Utah 20850
- V *Draba ruaxes* Payson & St. John 20850, 1034  
V 20850 Canada - British Columbia 20850  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850  
I 20850 U.S. - Washington 20850
- R *Draba sakuraii* Makino 10572  
R 10572 Japan 10572
- E *Draba scotteri* Mulligan 20850, 1034  
E 20850 Canada - Yukon Territory 20850
- R *Draba sekiyana* Ohwi 20511  
R 20511 Taiwan 20511
- R *Draba shiroumana* Makino 10572  
R 10572 Japan 10572
- V *Draba sierrae* C.W. Sharsmith 20850  
I 20850 U.S. - California 20850
- V *Draba simonkaiana* Jáv. 17823, 20171  
V 19949 Romania 20631
- R *Draba smithii* Gilg ex O.E. Schulz 20850  
V 20850 U.S. - Colorado 20850
- V *Draba sobolifera* Rydb. 20850  
V 20850 U.S. - Utah 20850
- R *Draba spectabilis* Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R *Draba spectabilis* Greene var. *oxyloba* (Greene) Gilg & Schulz ex O.E. Schulz 20850  
R 20850 U.S. - Colorado 20850  
E 20850 U.S. - Wyoming 20850
- R *Draba standleyi* J.F. Macbr. & Payson 20850  
E 20850 U.S. - Arizona 20850
- E 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- V *Draba stenopetala* Trautv. 20850, 1034  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- R *Draba streptobrachia* Price 20850  
R 20850 U.S. - Colorado 20850
- R *Draba subalpina* Goodman & C.L. Hitchc. 20850  
R 20850 U.S. - Utah 20850
- R *Draba subcapitata* Simm. 20850, 20171  
I 20850 Canada - Franklin 20850
- V *Draba subumbellata* Rollins & Price 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R *Draba taimyrensis* Tolm. 20085, 21309  
R 20085 Russia (E.Europe) - North 20085
- R *Draba thylacocarpa* (Nab.) Hedge 12840  
R 12840 Turkey 12840
- V *Draba trichocarpa* Rollins 20850  
V 20850 U.S. - Idaho 20850
- R *Draba tucumanensis* O. Schulz 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Tucuman (Tafi) 20176
- R *Draba ventosa* Gray 20850, 1034  
E 20850 Canada - Alberta 20850  
E 20850 Canada - Yukon Territory 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- E *Draba weberi* Price & Rollins 20850  
E 20850 U.S. - Colorado 20850
- E *Draba yukonensis* Porsild 20850, 1034  
E 20850 Canada - Yukon Territory 20850
- R *Drabastrum alpestre* (F.Muell.) O.Schulz 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- I *Erophila tenerima* (O. Schulz) Jafri  
I India - Jammu & Kashmir
- E *Erucastrum palustre* (Pirona) Vis. 8000, 20171  
E 18264 Italy (Friuli-Venezia Giulia) 19997
- I *Erysimum amasianum* Hausskn. & Bornm. 12840  
I 12840 Turkey 12840
- V *Erysimum ammophilum* Heller 20850  
V 20850 U.S. - California 20850
- V *Erysimum arbuscula* (Lowe) Snogerup  
V Portugal - Madeira
- R *Erysimum candicum* Snogerup ssp. *carpathum* Snogerup 20171  
R 20730 Greece - Crete (Karthos, Saria) 20730
- E *Erysimum capitatum* (Douglas ex Hook) Greene var. *angustatum* (Greene) G. Rossb. 20850  
E 20850 U.S. - California 20850
- R *Erysimum caricum* Boiss. 12840  
R 12840 Turkey 12840
- R *Erysimum deflexum* Cullen 12840  
R 12840 Turkey 12840
- V *Erysimum degenianum* Aznav. 12840  
V 19873 Turkey 12840
- R *Erysimum echinellum* Hand.-Mazz. 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Erysimum*

- R 12840 Turkey 12840
- R *Erysimum favargerii* Polatschek 11496, 20171  
R 11496 Spain (Jaen) 11496
- V *Erysimum franciscanum* G. Rossb. 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Erysimum franciscanum* Rossberg var. *franciscanum* 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Erysimum ghiesbreghtii* J.D. Smith 9004  
R 9666 Guatemala 9004  
R 9666 Mexico 9004
- V *Erysimum inconspicuum* (S.Watson) MacM. var. *coarctatum* (Fern.) G. Rossb. 20850, 5567  
E 20850 Canada - New Brunswick 20850  
E 20850 Canada - Newfoundland (Island) 20850  
I 20850 Canada - Nova Scotia 20850  
V 20850 Canada - Quebec 20850
- R *Erysimum insulare* Greene 20883, 20850, 8058  
I 20850 U.S. - California 20850  
I 20883 Mexico 20883
- R *Erysimum leptocarpum* Gay 12840  
R 12840 Turkey 12840
- R *Erysimum leptostylum* DC. 20171  
R former European USSR
- V *Erysimum menziesii* (Hook.) Wettst. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- E *Erysimum menziesii* (Hook.) Wettst. ssp. *eurekaense* Price 20850  
E 20850 U.S. - California 20850
- V *Erysimum menziesii* (Hook.) Wettst. ssp. *menziesii* Wettst. 20850  
V 20850 U.S. - California 20850
- E *Erysimum menziesii* (Hook.) Wettst. ssp. *yadonii* Price 20850  
E 20850 U.S. - California 20850
- R *Erysimum naxense* Snogerup 20171  
R Greece
- R *Erysimum olympicum* Boiss. 20171  
R Greece
- R *Erysimum pallidum* Boiss. 12840  
R 12840 Turkey 12840
- R *Erysimum penyalarens* (Pau) Polatschek 15846  
R 15846 Spain 15846
- I *Erysimum rechingeri* Jáv. 20171  
I Greece
- R *Erysimum rhodium* Snogerup  
R Greece
- E *Erysimum suffrutescens* G. Rossb. var. *lompopense* G. Rossb. 20850  
E 20850 U.S. - California 20850
- V *Erysimum teretifolium* Eastw. 20850  
V 20850 U.S. - California 20850
- R *Erysimum thomsonii* Hook. f. 13883  
R 13883 India - Himachal Pradesh 13883
- V *Erysimum torulosum* Hub.-Mor. 12840  
V 12840 Turkey 12840
- R *Erysimum ucranicum* J.Gay 20171
- R former European USSR
- I *Erysimum vagicum* Holub 19321  
I 19321 Slovakia 19321
- I *Eutrema cordifolium* Turcz. ex Ledeb. 5942  
I 5942 Russia (Siberia) - Irkutsk 5942
- E *Eutrema penlandii* Rollins 20850, 13640  
E 20850 U.S. - Colorado (Continental divide) 20850
- V *Eutrema tenuis* (Miq.) Makino var. *okinosisimensis* (Taken.) Hara 10572  
V 10572 Japan 10572
- R *Euzomodendron bourgaeum* Coss. 20171  
R 19818 Spain (Province of Almeria) 19818
- I *Farsetia macrantha* Blatter & Hallberg 7771  
I India - Rajasthan (Mataji's Temple, Barmer) 7771
- I *Farsetia socotrana* B.L. Burt 15534  
I 15534 Yemen - Socotra 15534
- R *Graellsia chitralensis* O.E. Schulz  
R Pakistan
- R *Graellsia davisiana* Poiliter 12840  
R 12840 Turkey 12840
- R *Halimolobos diffusa* (Gray) O. E. Schulz var. *jaegeri* (Munz) Rollins 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Halimolobos mollis* (Hook.) Rollins 20850.  
I 20850 Canada - British Columbia 20850  
I 20850 Canada - Manitoba 20850  
I 20850 Canada - Franklin 20850  
I 20850 Canada - Yukon Territory 20850  
I 20850 U.S. - Alaska 20850
- R *Halimolobos perplexa* (L. Henderson) Rollins var. *perplexa* 20850  
R 20850 U.S. - Idaho 20850
- R *Halimolobos minutiflora* Rollins 9664  
R 9666 Mexico 9664
- R *Halimolobos pedicellata* Rollins 9664  
R 9666 Mexico 9664
- R *Hedinia czukotica* (Botsch. et Petrovsky) Jurtz. Korobk. et Baland. 20085, 21309  
R 20085 Russia (E.Europe) - North 20085
- V *Heldreichia atalayi* Kit Tan 12840  
V 12840 Turkey 12840
- R *Heldreichia bourgaei* Boiss. 12840  
R 12840 Turkey 12840
- R *Heliophila arenaria* Sond. var. *agertuinensis* (O.E.Schulz) Marais 20604  
R 20604 South Africa - Cape Province 20604
- R *Heliophila cedarbergensis* Marais 20604  
R 20604 South Africa - Cape Province 20604
- R *Heliophila cinerea* Marais 20604  
R 20604 South Africa - Cape Province 20604
- R *Heliophila collina* O.E.Schulz 20604  
R 20604 South Africa - Cape Province 20604
- R *Heliophila cornellsbergia* B.J.Pienaar & Nicholas 20604  
R 20604 South Africa - Cape Province 20604
- V *Heliophila cuneata* Marais 20604  
V 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Heliophila*

- R** *Heliophila eximia* Marais 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila filicaulis* Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila laciniata* Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Heliophila leptophylla* Schltr. 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Heliophila obibensis* Marais 20604  
**I** 20604 Namibia 20604
- R** *Heliophila patens* Oliv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila rimicola* Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila schulzii* Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila tabularis* Wolley-Dod 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Heliophila tricuspidata* Schltr. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Hemicrambe fruticulosa* Webb  
**R** Morocco
- E** *Hemicrambe townsendii* Gomez-Campo 15534  
**E** 15534 Yemen - Socotra 15534
- R** *Hesperis aintabica* Post 12840  
**R** 12840 Turkey 12840
- R** *Hesperis bottae* Fourn. 12840  
**R** 12840 Turkey 12840
- R** *Hesperis breviscapa* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Hesperis campicarpa* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Hesperis hedgei* Davis 12840  
**R** 12840 Turkey 12840
- R** *Hesperis kitiana* Davis 12840  
**R** 12840 Turkey 12840
- R** *Hesperis matronalis* L. ssp. *cilicica* (Siehe ex Bornm.) Cullen 12840  
**R** 12840 Turkey 12840
- I** *Hesperis matronalis* L. ssp. *moniliformis* (Schur) Bauza 17823  
**I** 20631 Romania 20631
- V** *Hesperis oblongifolia* Schur 19266, 20171  
**V** 19949 Romania 20631
- R** *Hesperis pisidica* Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Hesperis rechingeri* F.Dvorák 20171  
**R** Greece
- R** *Hesperis schischkinii* Tzvelev 12840  
**R** 12840 Turkey 12840
- R** *Hesperis stellata* Dvorak 12840  
**R** 12840 Turkey 12840
- R** *Hesperis verroiana* F.Dvorák 20171  
**R** Greece
- V** *Hesperis vrabelyiana* (Schur) Borbás 19266, 20171  
**V** Hungary 19266
- R** *Hirschfeldia rostrata* (Balf. f.) O.E. Schulz 15534  
**R** 15534 Yemen - Socotra 15534
- R** *Hormathophylla cadevalliana* (Pau) T.R.Dudley 20171  
**R** 11496 Spain 11496
- V** *Hormathophylla pyrenaica* (Lapeyr.) Cullen & Dudley 14166  
**V** 20528 France (east Pyrenees) 20528
- R** *Hormathophylla reverchonii* (D. & H.) Cullen & Dudley  
**R** 11496 Spain 11496
- Ex** *Hutchinsia tasmanica* Hook. 20681, 14223  
**Ex** 20681 Australia - Tasmania 20681
- R** *Iberis aperta* Barb.-Gamp.  
**R** Spain
- V** *Iberis aurosica* Chaix ssp. *aurousica* 20171  
**V** 20528 France (south-east) 20528
- R** *Iberis carica* Bornm. 12840  
**R** 12840 Turkey 12840
- V** *Iberis embergeri* Serve 15398  
**V** 14155 Spain (Sierra Nevada) 15398
- R** *Iberis fontqueri* Pau 20171  
**R** 19174 Spain (Málaga, Sierra Bermeja) 11496
- R** *Iberis grosii* Pau 19174  
**R** 19174 Spain (Málaga: Sierra Tejada, Sierra Almijara) 11496
- V** *Iberis linifolia* L. ssp. *violettii* (Soy.-Will. ex Godr.) Valdés 20171  
**V** 20528 France (Meuse) 20528
- V** *Iberis procumbens* Lange ssp. *microcarpa* Franco & Pinto da Silva 8000, 20171  
**V** 20076 Portugal 8000
- E** *Iberis runemarkii* Greuter & Burdet 10270  
**E** 10270 Greece - East Aegean Is 10270
- V** *Iberis sampaioana* Franco & P.Silva 19266, 20171  
**V** 20076 Portugal 20076
- R** *Iberis semperflorens* L. 20171  
**R** Italy  
**R** 19164 Italy - Sicily (north-west includes islands) 19164  
**R** Tunisia
- V** *Ionopsidium acuale* (Desf.) Reichenb. 8000  
**V** 20076 Portugal 8000
- R** *Ionopsidium savianum* (Caruel) Ball ex Arcang. 8000  
**R** 19997 Italy (Toscana, Umbria, & Lazio) 19997
- R** *Irenepharsus magicus* Hewson 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Irenepharsus phasmatodes* Hewson 20681  
**R** 20681 Australia - South Australia 20681
- R** *Irenepharsus trypherus* Hewson 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Isatis arenaria* Azn. 12840, 20171  
**E** 19174 Turkey 12840
- Ex** *Isatis arnoldiana* N. Busch. 6930  
**Ex** 6930 former USSR 6930
- R** *Isatis athoa* Boiss. 20171  
**R** Greece
- R** *Isatis aucheri* Boiss. 12840  
**R** 19174 Turkey 12840
- R** *Isatis bitlisica* Davis 12840  
**R** 19174 Turkey 12840



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Isatis*

- R** *Isatis callifera* Boiss. & Bal. 12840  
**R** 19174 Turkey 12840
- R** *Isatis candolleana* Boiss. 12840  
**R** 19174 Turkey 12840
- R** *Isatis cappadocica* Desv. ssp. *alysisifolia* (Boiss.)  
 Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis cappadocica* Desv. ssp. *nurihakensis*  
 Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis constricta* Davis 12840  
**R** 12840 Turkey 12840
- E** *Isatis davisiana* Misirdali 12840  
**E** 12840 Turkey 12840
- R** *Isatis demiriziana* Misirdali 12840  
**R** 12840 Turkey 12840
- R** *Isatis erzurumica* Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis frigida* Boiss. & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Isatis huber-morathii* Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis jacutensis* (N. Busch) N. Busch. 20085  
**R** 20085 Russia (E.Europe) - North 20085
- R** *Isatis lockmanniana* Kotschy & Boiss. 12840  
**R** 19174 Turkey 12840
- V** *Isatis lusitanica* L. 20171  
**V** Greece
- V** *Isatis mardinensis* Davis & Misirdali 12840  
**V** 12840 Turkey 12840
- E** *Isatis pinnatiloba* Davis 12840  
**E** 19174 Turkey 12840
- R** *Isatis sivasica* Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis spatella* Davis 12840  
**R** 19174 Turkey 12840
- R** *Isatis spectabilis* Davis 12840  
**R** 12840 Turkey 12840
- R** *Isatis undulata* Aucher ex Boiss. 12840  
**R** 19873 Turkey 12840
- I** *Iskandera hissarica* N. Busch 5942  
**I** 5942 Tajikistan 5942  
**I** 5942 Uzbekistan 5942
- R** *Iti lacustris* 19305  
**R** 19305 New Zealand - South Is. 19305
- E** *Lachnocapsa spathulata* Balf. f. 15534  
**E** 15534 Yemen - Socotra 15534
- R** *Leavenworthia alabamica* Rollins 20850  
**I** 20850 U.S. - Alabama 20850
- R** *Leavenworthia alabamica* Rollins var. *alabamica* 20850  
**I** 20850 U.S. - Alabama 20850
- V** *Leavenworthia alabamica* Rollins var. *brachystyla*  
 Rollins 20850  
**I** 20850 U.S. - Alabama 20850
- V** *Leavenworthia aurea* Torr. 20850  
**V** 20850 U.S. - Oklahoma 20850
- E** *Leavenworthia crassa* Rollins 20850  
**V** 20850 U.S. - Alabama 20850
- E** *Leavenworthia crassa* Rollins var. *crassa* 20850  
**I** 20850 U.S. - Alabama 20850
- E** *Leavenworthia crassa* Rollins var. *elongata*  
 Rollins 20850  
**I** 20850 U.S. - Alabama 20850
- R** *Leavenworthia exigua* Rollins var. *exigua* 20850  
**V** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - Tennessee 20850
- E** *Leavenworthia exigua* Rollins var. *laciniata*  
 Rollins 20850  
**E** 20850 U.S. - Kentucky 20850
- E** *Leavenworthia exigua* Rollins var. *lutea*  
 Rollins 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Tennessee 20850
- E** *Leavenworthia texana* Mahler 20850  
**E** 20850 U.S. - Texas 20850
- I** *Leiospora excapa* (C. Meyer) Dvorak 5942  
**I** 5942 Russia (Siberia) - Altai 5942  
**I** 5942 Kazakhstan 5942
- R** *Lepidium alluaudii* Maire  
**R** Morocco
- E** *Lepidium arbuscula* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts.)  
 20850
- V** *Lepidium aschersonii* Thell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681  
 Ex/E 20681 Australia - Western Australia 20681
- E** *Lepidium banksii* Kirk 19305  
**E** 19305 New Zealand - South Is. 19305
- E** *Lepidium barnebyanum* Reveal 20850  
**E** 20850 U.S. - Utah 20850
- V** *Lepidium bidentatum* Mont. var. *owaihiense* (Cham. &  
 Schlecht.) Fosberg 20850  
**V** 20850 U.S. - Hawaii 20850
- Ex/E** *Lepidium bidentatum* Mont. var. *remyi* (Drake)  
 Fosberg 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii 20850
- V** *Lepidium caespitosum* Desv. 12840  
**V** 12840 Turkey 12840
- E** *Lepidium cardamines* L. 8000, 20171  
**E** 14155 Spain (central) 8000
- R** *Lepidium carrerasii* Rodriguez  
**R** Spain - Balearic Is.
- E** *Lepidium catapycnon* Hewson 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Lepidium davisii* Rollins 20850  
**R** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Oregon 20850
- Ex** *Lepidium drummondii* Thell. 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- V** *Lepidium flavum* Torr. var. *felipense* C.L.  
 Hitchc. 20850  
**E** 20850 U.S. - California 20850
- R** *Lepidium horstii* Johow 19534  
**R** 19534 Chile 19534

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Lepidium*

- V** *Lepidium howei-insulae* Thell.  
V 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Lepidium integrifolium* var. *integrifolium* 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R** *Lepidium inyangense* Jonsell 7892  
R Zimbabwe 7892
- E** *Lepidium jaredii* Brandeg. 20850  
I 20850 U.S. - California 20850
- E** *Lepidium kawarau* Petrie 86  
E 86 New Zealand 86
- E** *Lepidium kirkii* Petrie 19305  
E 19305 New Zealand - South Is. 19305
- R** *Lepidium lasiocarpum* C.L. Hitchc. var. *rotundum*  
C.L. Hitchc. 20850  
R 20850 U.S. - Texas 20850
- E** *Lepidium matau* Petrie 86  
E New Zealand - South Is.
- V** *Lepidium meyenii* Walp. 18200  
V 12468 Peru 18200
- R** *Lepidium meyeri* Claus 5942, 20171  
I 5942 Russia (E. Europe) - South 5942  
R 5942 Kazakhstan (north western) 5942  
I 5942 Ukraine 5942
- E** *Lepidium monoplocoides* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
Ex/E 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E** *Lepidium montanum* Nutt. var. *alpinum*  
S.Watson 20850  
E 20850 U.S. - Utah 20850
- V** *Lepidium montanum* Nutt. var. *neeseae* Welsh & Reveal 20850  
V 20850 U.S. - Utah 20850
- V** *Lepidium montanum* Nutt. var. *stellae* Welsh & Reveal 20850, 19002  
V 20850 U.S. - Utah 20850
- R** *Lepidium nanum* S.Watson 20850  
R 20850 U.S. - Nevada 20850
- Ex** *Lepidium obtusatum* Kirk 86  
Ex 15135 New Zealand - North Is. 15135
- V** *Lepidium* 19305  
V 19305 New Zealand - South Is. 19305
- E** *Lepidium ostleri* Welsh & Goodrich 20850  
E 20850 U.S. - Utah 20850
- V** *Lepidium papilliferum* (Henderson) A. Nels. & J.F. Macbr. 20850  
V 20850 U.S. - Idaho 20850
- Ex** *Lepidium peregrinum* Thell. 20681, 14223  
Ex 20681 Australia - New South Wales 20681
- V** *Lepidium pseudopapillosum* Schinz 20681  
I 20681 Australia - Capital Territory 20681  
Ex/E 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R** *Lepidium puberulum* Bunge 20681  
R 20681 Australia - Western Australia 20681
- E** *Lepidium serra* Mann 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Lepidium sisymbrioides* ssp. *kawarau* 19305  
V 19305 New Zealand - South Is. 19305
- E** *Lepidium sisymbrioides* ssp. *matuu* 19305  
E 19305 New Zealand - South Is. 19305
- E** *Lepidium solomonii* Al-Shehbaz 20883  
I 20883 Bolivia 20883
- R** *Lepidium turczaninowii* Lipsky 20654  
R 20650 Ukraine - Crimea 8001
- V** *Lepidium villarsii* Gren. & Godr. 20171  
V 20528 France (south-east) 20528
- V** *Lepidium virginicum* L. var. *robinsonii* (Thellung) C.L. Hitchc. 20850  
V 20850 U.S. - California 20850
- R** *Lesquerella angustifolia* (Nutt. ex Torr. & Gray) S.Watson 20850  
I 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Maryland 20850  
I 20850 U.S. - Missouri 20850  
R 20850 U.S. - Oklahoma 20850  
E 20850 U.S. - Texas 20850
- V** *Lesquerella arenosa* Rollins & Shaw var. *argillosa*  
Rollins & Shaw 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - Nebraska 20850  
I 20850 U.S. - South Dakota 20850  
E 20850 U.S. - Wyoming 20850
- R** *Lesquerella arizonica* S.Watson 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- V** *Lesquerella aurea* Woot. 20850  
V 20850 U.S. - New Mexico 20850
- R** *Lesquerella calchaquina* 19448  
R 19448 Argentina 19448
- V** *Lesquerella calcicola* Rollins 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - New Mexico 20850
- V** *Lesquerella calderi* Mulligan & Porsild 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Yukon Territory 20850
- V** *Lesquerella cinerea* S.Watson 20850  
I 20850 U.S. - Arizona 20850
- E** *Lesquerella congesta* Rollins 20850  
E 20850 U.S. - Colorado 20850
- V** *Lesquerella cordiformis* (Rollins) Rollins & Shaw 20850  
I 20850 U.S. - Nevada 20850
- R** *Lesquerella densipila* Rollins 20850  
V 20850 U.S. - Alabama 20850  
R 20850 U.S. - Tennessee 20850
- E** *Lesquerella filiformis* Rollins 20850  
E 20850 U.S. - Missouri 20850
- V** *Lesquerella fremontii* Rollins & Shaw 20850  
V 20850 U.S. - Wyoming 20850
- V** *Lesquerella garrettii* Payson 20850  
V 20850 U.S. - Utah 20850
- V** *Lesquerella globosa* (Desv.) S.Watson 20850  
E 20850 U.S. - Indiana 20850  
V 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Ohio 20850  
V 20850 U.S. - Tennessee 20850
- E** *Lesquerella hemiphysaria* Welsh & Reveal var. *lucens*  
Welsh & Reveal 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Lesquerella*

- E 20850 U.S. - Utah 20850
- V *Lesquerella hitchcockii* Munz 20850  
 V 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Utah 20850
- E *Lesquerella humilis* Rollins 20850  
 E 20850 U.S. - Montana 20850
- V *Lesquerella kaibabensis* Rollins 20850  
 V 20850 U.S. - Arizona 20850
- E *Lesquerella kingii* S.Watson ssp. *bernardina* (Munz) Munz 20850  
 E 20850 U.S. - California 20850
- R *Lesquerella kingii* S.Watson var. *cobrensis* Rollins & Shaw 20850  
 R 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Nevada 20850
- R *Lesquerella kingii* S.Watson ssp. *diversifolia* (Greene) Rollins & Shaw 20850  
 I 20850 U.S. - Idaho 20850  
 R 20850 U.S. - Oregon 20850
- R *Lesquerella klausii* Rollins 20850  
 R 20850 U.S. - Montana 20850
- E *Lesquerella lata* Woot. & Standl. 20850  
 E 20850 U.S. - New Mexico 20850
- E *Lesquerella lyrata* Rollins 20850  
 E 20850 U.S. - Alabama 20850
- V *Lesquerella macrocarpa* A. Nels. 20850  
 V 20850 U.S. - Wyoming 20850
- R *Lesquerella mcvaughiana* Rollins 20850  
 R 20850 U.S. - Texas 20850
- R *Lesquerella multiceps* Maguire 20850  
 E 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Utah 20850  
 E 20850 U.S. - Wyoming 20850
- E *Lesquerella pallida* (Torr. & Gray) S.Watson 20850  
 E 20850 U.S. - Texas 20850
- V *Lesquerella parviflora* Rollins 20850  
 R 20850 U.S. - Colorado 20850
- R *Lesquerella paysonii* Rollins 20850  
 E 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Montana 20850  
 R 20850 U.S. - Wyoming 20850
- E *Lesquerella perforata* Rollins 20850  
 E 20850 U.S. - Tennessee 20850
- R *Lesquerella prostrata* A. Nels. 20850  
 I 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Utah 20850  
 E 20850 U.S. - Wyoming 20850
- V *Lesquerella pruinosa* Greene 20850  
 V 20850 U.S. - Colorado 20850
- V *Lesquerella rubicundula* Rollins 20850  
 I 20850 U.S. - Nevada 20850  
 V 20850 U.S. - Utah 20850
- E *Lesquerella stonensis* Rollins 20850  
 E 20850 U.S. - Tennessee 20850
- R *Lesquerella subumbellata* Rollins 20850  
 I 20850 U.S. - Colorado 20850  
 R 20850 U.S. - Utah 20850  
 I 20850 U.S. - Wyoming 20850
- E *Lesquerella thamnophila* Rollins & Shaw 20850  
 E 20850 U.S. - Texas 20850
- E *Lesquerella tumulosa* (Barneby) Reveal 20850
- E 20850 U.S. - Utah 20850
- R *Lesquerella utahensis* Rydb. 20850  
 R 20850 U.S. - Utah 20850
- V *Lesquerella valida* Greene 20850  
 V 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850
- R *LOBULARIA maritima* (L.) Desv. ssp. *columbretensis* R.Fern. 20648  
 R 20692 Spain (Columbretes Is.) 20692
- R *Lunaria telekiana* Jáv. 20178, 20171  
 R 20178 Albania 20178
- R *Malcolmia heterophylla* Caball.  
 R Morocco
- V *Malcolmia lacera* (L.) DC. ssp. *gracilima* (Samp.) Franco 17891  
 V 20076 Portugal 17891
- R *Mancoa henricksonii* Rollins 9664  
 R 9666 Mexico 9664
- R *Mancoa laxa* Rollins 9664  
 R 9666 Mexico 9664
- R *Mancoa rollinsiana* Calderon 9665  
 R 9666 Mexico 9665
- R *Mancoa stylosa* Rollins 9665  
 R 9666 Mexico 9665
- V *Maresia malcolmioides* (Coss. & Durieu) Pomel 10488  
 V 14958 Algeria 10488
- R *Matthiola anchoniifolia* Hub.-Mor. 12840  
 R 12840 Turkey 12840
- R *Matthiola incana* (L.) R. Brown ssp. *melitensis* Brullo, Lanfranco, Pavone & Ronsisvalle 13351  
 R 13351 Malta 13351
- R *Matthiola masgundalii* Pau  
 R Morocco
- V *Matthiola parviflora* (Schousb.) R.Br. 20171  
 V 20732 Spain - Balearic Is. 20732
- E *Megacarpaea bifida* Benth. 14768  
 E India - Jammu & Kashmir (Apharwat) 14768
- R *Megacarpaea schugnanica* B. Fedtsch.  
 R former USSR 6930
- I *Megadenia bardunovii* Popov 11552  
 I 5942 Russia (Siberia) - Irkutsk (south) 5942
- Ex *Menkea draboides* (Hook.f.) Benth. 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- V *Microlepidium alatum* (J.Black) E.Shaw 20681  
 V 20681 Australia - South Australia 20681
- R *Moricandia foetida* Bourq. ex Coss. 20171  
 R Spain
- V *Moricandia foleyi* Battand. 10487  
 V 14958 Algeria 10487
- V *Murbeckiella pinnatifida* (Lam.) Rothm. ssp. *herminii* (Rivas Martinez) Greuter & Burdet 20076  
 V 20076 Portugal 17891
- E *Murbeckiella sousae* Rothm. 8000, 20171  
 E 20076 Portugal 8000
- V *Noccaea arenaria* (Duby) F.K. Meyer 20528  
 V 20528 France (south-west) 20528
- E *Ornithocarpa fimbriata* Rose 9666  
 E 9666 Mexico - Jalisco 9666

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Ornithocarpa*

- R** *Ornithocarpa torulosa* Rollins 9667  
R 9666 Mexico 9667
- E** *Otocarpus virgatus* Durieu 10487  
E 14958 Algeria (t) 10487
- E** *Parolinia aridanae* Santos 20750  
E 20750 Spain - Canary Is. 20750
- V** *Parolinia filifolia* Svent. ex Kunkel 17534  
V 20750 Spain - Canary Is. 17534
- V** *Parolinia intermedia* Svent. & Bramw. 17534  
V 20750 Spain - Canary Is. 17534
- V** *Parolinia platypetala* Kunkel 20750  
V 20750 Spain - Canary Is. 20750
- E** *Parolinia schizogynoides* Svent. 17534  
E 20750 Spain - Canary Is. 17534
- R** *Parrya arctica* R. Br. 20850  
I 20850 Canada - Franklin 20850  
I 20850 Canada - Yukon Territory 20850
- E** *Parrya nudicaulis* Hulten var. *grandiflora*  
Hulten 20850  
E 20850 U.S. - Alaska 20850
- R** *Peltariopsis grossheimii* N. Busch.  
R former USSR 6930
- R** *Pennellia hunnewellii* Rollins 9668  
R 9666 Guatemala 9668  
R 9666 Mexico 9668
- R** *Pennellia juncea* (Schulz) Rollins 9668  
R 9666 Mexico 9668
- E** *Pennellia robinsonii* Rollins 9668  
E 9666 Mexico 9668
- Ex** *Phlegmatospermum drummondii* (Benth.) O.Schulz 20681.  
14223  
Ex 20681 Australia - Western Australia 20681
- V** *Physaria acutifolia* Rydb. var. *purpurea* Welsh &  
Reveal 20850  
V 20850 U.S. - Utah 20850
- V** *Physaria alpina* Rollins 20850  
I 20850 U.S. - Colorado 20850
- R** *Physaria bellii* Mulligan 20850  
R 20850 U.S. - Colorado 20850
- E** *Physaria chambersii* Welsh var. *sobolifera*  
Welsh 20850  
E 20850 U.S. - Utah 20850
- V** *Physaria condensata* Rollins 20850  
V 20850 U.S. - Wyoming 20850
- V** *Physaria didymocarpa* (Hook.) Gray var. *lanata* A.  
Nels. 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- E** *Physaria didymocarpa* (Hook.) A. Gray var. *lyrata*  
C.L. Hitchc. 20850  
E 20850 U.S. - Idaho 20850
- E** *Physaria dormii* Lichvar 20850  
E 20850 U.S. - Wyoming 20850
- V** *Physaria eburniflora* Rollins 20850  
V 20850 U.S. - Wyoming 20850
- E** *Physaria grahamii* Morton 20850  
E 20850 U.S. - Utah 20850
- V** *Physaria integrifolia* Lichvar var. *monticola*  
Lichvar 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Wyoming 20850
- V** *Physaria lepidota* var. *membranacea* (Rollins)  
Rollins 20850  
V 20850 U.S. - Utah 20850
- V** *Physaria obcordata* Rollins 20850  
V 20850 U.S. - Colorado 20850
- V** *Physaria repanda* Rollins 20850  
I 20850 U.S. - Utah 20850
- R** *Physaria saximontana* Rollins 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V** *Physaria saximontana* Rollins var. *dentata*  
Rollins 20850  
I 20850 U.S. - Montana 20850
- V** *Physaria saximontana* Rollins var.  
*saximontana* 20850  
V 20850 U.S. - Wyoming 20850
- V** *Physaria stylosa* Rollins 20850  
I 20850 U.S. - Utah 20850
- R** *Physocardamum davisii* Hedge 12840  
R 12840 Turkey 12840
- R** *Physoptychis haussknechtii* Bornm. 12840  
R 12840 Turkey 12840
- E** *Polyctenium williamsiae* Rollins 20850  
E 20850 U.S. - Nevada 20850
- I** *Prionotrichon gaudanense* (Litv.) Botsch. 5942  
I 5942 Turkmenistan (west) 5942
- I** *Pseudovesicaria digitata* (C. Meyer) Rupr. 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Armenia 5942  
I 5942 Azerbaijan (Caucasus Mts.) 5942  
I 5942 Georgia (Caucasus Mts.) 5942
- R** *Ptilotrichum macrocarpum* (DC.) Boiss. 20171  
R France (south)
- R** *Ptilotrichum purpureum* (Lag. & Rodr.) Boiss. 20171  
R Spain
- R** *Raphanorhyncha crassa* Rollins 9664  
R 9666 Mexico 9664
- I** *Redowskia sophiifolia* Cham. & Schlecht. 5942  
I 5942 Russia (Far East) - Khabarovsk 5942
- R** *Rhizobotrya alpina* Tausch 18264, 20171  
R 18264 Italy (Trentino-Alto Adige, Veneto)  
18264
- E** *Rhynchosinapis johnstonii* (Samp.) Heywood 17781.  
20171  
E 8322 Portugal 8322
- R** *Rhynchosinapis nivalis* (Boiss. & Heldr.)  
Heywood 20171  
R Greece
- R** *Ricotia davisiana* Burt 12840  
R 12840 Turkey 12840
- V** *Ricotia isatoides* (Barbey) B.L. Burt 20171  
V 20731 Greece - Crete (Karthos) 20731
- V** *Ricotia tenuifolia* Sibth. & Sm. 12840  
V 12840 Turkey 12840
- R** *Ricotia varians* Burt 12840  
R 12840 Turkey 12840
- R** *Robeschia schimperi* (Boiss.) O. Schulz 10269  
R Egypt (Sinai) 10270

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Robeschia*

- R** *Romanschulzia costaricensis* (Standley) Rollins 9006  
**R** 9666 Costa Rica 9006  
**R** 19577 Panama 9006
- R** *Romanschulzia guatemalensis* (Standley) Rollins 9004  
**R** 9666 Guatemala 9004
- R** *Rorippa aurea* (Boiss. & Heldr.) Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Rorippa calycina* (Engelm.) Rydb. 20850  
**E** 20850 Canada - Mackenzie 20850  
**I** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nebraska 20850  
**Ex/E** 20850 U.S. - North Dakota 20850  
**V** 20850 U.S. - Washington 20850  
**R** 20850 U.S. - Wyoming 20850
- Ex** *Rorippa coloradensis* R. Stuckey 20850, 14662  
**Ex** 20850 U.S. - Colorado 20850
- R** *Rorippa columbiae* Suksdorf ex T.J. Howell 20850  
**E** 20850 U.S. - California 20850  
**R** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Washington 20850
- V** *Rorippa divaricata* 19305  
**V** 19305 New Zealand - North Is. 19305
- E** *Rorippa gambelii* (S.Watson) Rollins & Al-Shehbaz 20883, 20850  
**E** 20850 U.S. - California 20850  
**Ex/E** 20883 Mexico 20883
- R** *Rorippa icarica* Rech.f.  
**R** Greece
- V** *Rorippa nikkoensis* Hara 10572  
**V** 10572 Japan 10572
- V** *Rorippa ramosa* Rollins 20850  
**E** 20850 U.S. - Texas 20850
- E** *Rorippa subumbellata* Rollins 20850  
**E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Nevada 20850
- I** *Rytidocarpus moricandioides* Coss.  
**I** Morocco
- R** *Schivereckia berteroides* Fisch. ex M.I.Alex. 8000, 20171  
**R** former European USSR (Ural Mountains)
- I** *Schivereckia podolica* (Besser) Andrz. 8000, 20171  
**E** 19949 Romania (eastern) 8000  
**I** 5942 Russia (E.Europe) - East 5942  
**I** 5942 Russia (E.Europe) - South 5942  
**I** 5942 Russia (Siberia) - West 5942  
**I** 5942 Kazakhstan (north east) 5942  
**E** 20655 Ukraine (Podolia) 20649
- E** *Schoenocrambe argillacea* (Welsh & Atwood) Rollins 20850, 19124  
**E** 20850 U.S. - Utah (south central Uinta basin) 20850
- E** *Schoenocrambe barnebyi* (Welsh & Atwood) Rollins 20850, 19124  
**E** 20850 U.S. - Utah (San Rafael Swell and Capitol Reef national park) 20850
- V** *Schoenocrambe suffrutescens* (Rollins) Welsh & Chatterley 19124  
**V** 19124 U.S. - Utah (Uinta basin) 19124
- V** *Sibara deserti* (M.E. Jones) Rollins 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Sibara filifolia* (Greene) Greene 20850  
**E** 20850 U.S. - California 20850
- R** *Sibara rosulata* Rollins 20850  
**I** 20850 U.S. - California 20850
- V** *Sinapidendron angustifolium* (DC.) Lowe  
**V** Portugal - Madeira
- R** *Sinapidendron frutescens* (Aiton) Lowe  
**R** Portugal - Madeira
- I** *Sinapidendron palmense* (Kuntze) O.E. Schulz  
**I** Spain - Canary Is.
- V** *Sinapidendron rupestre* Lowe 17891  
**V** Portugal - Madeira 17891
- R** *Sinapis allionii* Jacq.  
**R** Egypt
- I** *Sinapis aucheri* (Boiss.) O. Schulz  
**I** Egypt
- R** *Sinapis turgida* Delile  
**R** Egypt
- R** *Sisymbrium cavanillesianum* Castrov. & Valdés  
**Berm.** 17891, 20171  
**R** 20874 Spain 20874
- R** *Sisymbrium matritense* P.W.Ball & Heywood, non Pau 20171  
**R** Spain
- R** *Sisymbrium maurum* Maire  
**R** Morocco
- V** *Smelowskia calycina* (Steph. ex Willd.) C.A. Mey var. *porsildii* Drury & Rollins 20850, 1034  
**E** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- V** *Smelowskia holmgrenii* Rollins 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Smelowskia inopinata* (Kom.) Kom. 11552, 11552  
**R** 11552 Russian Federation (extreme east) 11552
- E** *Smelowskia ovalis* Jones var. *congesta* Rollins 20850  
**E** 20850 U.S. - California 20850
- V** *Smelowskia pyriformis* Drury & Rollins 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Sobolewskia sibirica* (Willd.) P.W.Ball 20171  
**R** former European USSR
- E** *Stanfordia californica* S.Watson 20850  
**E** 20850 U.S. - California 20850
- V** *Stanleya albescens* M.E. Jones 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Sterigmostemum sulphureum* (Banks & Sol.) Bornm. ssp. *glandulosum* Hub.-Mor. & Reese 12840  
**R** 12840 Turkey 12840
- V** *Streptanthus albidus* Greene 20850  
**I** 20850 U.S. - California 20850
- E** *Streptanthus albidus* E. Greene ssp. *albidus* 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus albidus* Greene ssp. *peramoenus* (Greene) Kruckeberg 20850  
**V** 20850 U.S. - California 20850
- R** *Streptanthus barbiger* Greene 20850  
**I** 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Streptanthus*

- E** *Streptanthus batrachopus* J.L. Morrison 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus bernardinus* (Greene) Parish 20850  
**V** 20850 U.S. - California 20850
- V** *Streptanthus brachiatus* F.W. Hoffmann 20850  
**I** 20850 U.S. - California 20850
- E** *Streptanthus brachiatus* F. W. Hoffman ssp.  
*brachiatus* Dolan & Lapre 20850  
**E** 20850 U.S. - California 20850
- E** *Streptanthus brachiatus* F.W. Hoffman ssp. *hoffmanii*  
Dolan & Lapre 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus bracteatus* Gray 20850  
**V** 20850 U.S. - Texas 20850
- E** *Streptanthus callistus* J.L. Morrison 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus campestris* S.Watson 20850  
**V** 20850 U.S. - California 20850
- E** *Streptanthus cordatus* Nutt. var. *piutensis* J.T.  
Howell 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus cutleri* Cory 20850  
**V** 20850 U.S. - Texas 20850
- V** *Streptanthus drepanoides* Kruckeberg & Morrison 20850  
**R** 20850 U.S. - California 20850
- V** *Streptanthus fenestratus* (Greene) J.T. Howell 20850  
**V** 20850 U.S. - California 20850
- Ex/E** *Streptanthus glandulosus* Hook. var. *hoffmanii*  
Kruckeberg 20850  
**Ex/E** 20850 U.S. - California 20850
- E** *Streptanthus glandulosus* Hook ssp. *pulchellus*  
(Greene) Kruckeberg 20850  
**E** 20850 U.S. - California 20850
- E** *Streptanthus hispidus* Gray 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus howellii* S.Watson 20850  
**E** 20850 U.S. - California 20850  
**V** 20850 U.S. - Oregon 20850
- E** *Streptanthus insignis* Jepson ssp. *lyonii*  
Kruckeberg & Morrison 20850, 10260  
**E** 20850 U.S. - California 20850
- R** *Streptanthus maculatus* Nutt. 20850  
**I** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Oklahoma 20850  
**V** 20850 U.S. - Texas 20850
- V** *Streptanthus morrisonii* F.W. Hoffmann 20850  
**I** 20850 U.S. - California 20850
- V** *Streptanthus morrisonii* F.W. Hoffmann ssp. *elatus*  
F.W. Hoffmann 20850  
**V** 20850 U.S. - California 20850
- E** *Streptanthus morrisonii* F.W. Hoffmann ssp.  
*hirtiflorus* F.W. Hoffmann 20850  
**E** 20850 U.S. - California 20850
- E** *Streptanthus morrisonii* F. W. Hoffmann ssp.  
*kruckebergii* Dolan & Lapre 20850  
**E** 20850 U.S. - California 20850
- V** *Streptanthus morrisonii* F. W. Hoffmann ssp.  
*morrisonii* 20850  
**V** 20850 U.S. - California 20850
- E** *Streptanthus niger* Greene 20850  
**E** 20850 U.S. - California 20850
- R** *Streptanthus oliganthus* Rollins 20850  
**V** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Streptanthus sparsiflorus* Rollins 20850  
**V** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Texas 20850
- R** *Streptanthus squamiformis* Goodman 20850  
**V** 20850 U.S. - Arkansas 20850  
**E** 20850 U.S. - Oklahoma 20850
- Ex** *Stroganowia sagittata* Karelin & Kir. 6930  
**Ex** 6930 Asiatic U.S.S.R. 6930
- E** *Stroganowia tiehmii* Rollins 20850  
**E** 20850 U.S. - Nevada 20850
- V** *Syrenia talijevii* Klokov 20171  
**V** former European USSR
- R** *Thelypodiopsis alpina* (Standley & Steyerl.)  
Rollins 9664  
**R** 9666 Guatemala 9664
- V** *Thelypodiopsis ambigua* (S. Wats.) Al-Shehbaz 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850
- V** *Thelypodiopsis ambigua* (S. Wats.) Al-Shehbaz var.  
*ambigua* 20850  
**I** 20850 U.S. - Arizona 20850
- V** *Thelypodiopsis ambigua* (S. Wats.) Al-Shehbaz var.  
*erecta* Rollins 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Utah 20850
- R** *Thelypodiopsis arcuata* (Rollins) Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodiopsis divaricata* (Rollins) Welsh &  
Reveal 20850  
**R** 20850 U.S. - Utah 20850
- R** *Thelypodiopsis incisa* Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodiopsis retrofracta* (Rollins) Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodiopsis versicolor* (Brandege) Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodiopsis wootonii* (H. Robinson) Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodium brachycarpum* Torr. 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Oregon 20850
- V** *Thelypodium eucosmum* B.L. Robins. 20850  
**V** 20850 U.S. - Oregon 20850
- E** *Thelypodium howellii* (M.E. Peck) Al-Shehbaz ssp.  
*spectabilis* (M.E. Peck) Al-Shehbaz 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Thelypodium longipes* (Rollins) Rollins 9664  
**R** 9666 Mexico 9664
- R** *Thelypodium repandum* Rollins 20850  
**R** 20850 U.S. - Idaho 20850
- V** *Thelypodium rollinsii* Al-Shehbaz 20850  
**V** 20850 U.S. - Utah 20850
- V** *Thelypodium sagittatum* (Nutt.) Endl. ex Walp. ssp.  
*ovalifolium* (Rydb.) Al-Shehbaz 20850  
**V** 20850 U.S. - Nevada 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cruciferae: *Thelypodium*

- E 20850 U.S. - Utah 20850
- E *Thelypodium stenopetalum* S.Watson 20850  
E 20850 U.S. - California 20850
- R *Thelypodium texanum* (Cory) Rollins 20850  
R 20850 U.S. - Texas 20850
- R *Thlaspi aghricum* Davis & Tan 12840  
R 12840 Turkey 12840
- R *Thlaspi aileeniae* Rollins 20850  
R 20850 U.S. - Idaho 20850
- R *Thlaspi arcticum* Porsild 20850, 1034, 21309  
I 20850 Canada - British Columbia 20850  
E 20850 Canada - Mackenzie 20850  
V 20850 Canada - Yukon Territory 20850  
R 20850 U.S. - Alaska 20850
- R *Thlaspi bornmuelleri* (Rech.) Hedge 12840  
R 12840 Turkey 12840
- R *Thlaspi bulbosum* Spruner ex Boiss. 20171  
R Greece
- V *Thlaspi caerulescens* J. & C. Presl. ssp. *tatrense* (Zapal) Dvorakova 19321  
V 19321 Slovakia 19321
- E *Thlaspi cariense* A. Carlstrom 12840  
E 12840 Turkey 12840
- R *Thlaspi cilicicum* (Boiss.) Hayek 12840  
R 12840 Turkey 12840
- R *Thlaspi corymbosum* (Gay) Reichb. 18154  
I Italy 8000  
R 18154 Switzerland 8000
- R *Thlaspi crassum* Davis 12840  
R 12840 Turkey 12840
- R *Thlaspi dacicum* Heuff. ssp. *banaticum* (Uechtz.) Jár 17823, 20171  
R 19949 Romania 20631
- R *Thlaspi densiflorum* Boiss. & Kotschy 12840  
R 12840 Turkey 12840
- V *Thlaspi dolichocarpum* (Zohary) Greuter & Burdet 12840  
V 12840 Turkey 12840
- R *Thlaspi eigii* (Zohary) Greuter & Burdet 12840  
R 12840 Turkey 12840
- R *Thlaspi elegans* Boiss. 12840  
R 12840 Turkey 12840
- R *Thlaspi epirotum* Halácsy 20171  
R Greece
- R *Thlaspi jankae* A.Kern. 19266, 20171  
R 21091 Bosnia & Herzegovina 21091  
R Hungary  
R 19417 Romania 17762  
V 19615 Slovakia 6951
- R *Thlaspi japonicum* H. Boissieu 10572  
R 10572 Japan 10572
- E *Thlaspi montanum* L. var. *californicum* (S.Watson) P. Holmgren 20850  
E 20850 U.S. - California 20850
- R *Thlaspi montanum* L. var. *siskiyouense* P. Holmgren 20850  
R 20850 U.S. - Oregon 20850
- R *Thlaspi nevadense* Boiss. & Reut. 20171  
R Spain
- R *Thlaspi papillosum* Boiss. 12840

- R 12840 Turkey 12840
- R *Thlaspi parviflorum* A. Nels. 20850  
I 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850  
R 20850 U.S. - Wyoming 20850
- V *Thlaspi schudichii* Soó et Kárp 17786  
V 20686 Hungary 17786
- R *Thlaspi sintenisii* Hausskn. ex Bornm. 12840  
R 12840 Turkey 12840
- R *Thlaspi watsonii* Davis 12840  
R 12840 Turkey 12840
- V *Thlaspi zaffranii* (F.K.Mey.) Greuter & Burdet 20731  
V 20731 Greece - Crete 20731
- E *Thysanocarpus conchuliferus* Greene 20850  
E 20850 U.S. - California 20850
- V *Torularia aculeolata* (Desf.) O.E. Schulz  
V Egypt
- R *Trachystoma aphanoneurum* Maire & M. Weiller  
R Morocco
- Ex/E *Tropidocarpum capparideum* Greene 20850, 14662  
Ex/E 20850 U.S. - California 20850
- V *Vella luentina* M.B.Crespo 20648  
V 20692 Spain (near Alicante city) 20692
- E *Warea amplexifolia* (Nutt.) Nutt. 20850, 17890  
E 20850 U.S. - Florida 20850
- E *Warea carteri* Small 20850, 7983  
E 20850 U.S. - Florida 20850
- E *Wasabia koreana* Nakai 15957  
E Korea, South (Dagelet Is.) 15957

Crypteroniaceae

Number of genera: 1  
Number of species: 4-10  
Recorded threatened species: 1 (14%)

India, Philippines, Malay Archipelago.

- V *Axinandra zeylanica* Thwaites 10276  
V 12838 Sri Lanka 10276

Cucurbitaceae

Number of genera: 90  
Number of species: 700  
Recorded threatened species: 74 (10%)

Tropical and subtropical; rarely temperate or cool temperate.

- R *Apatzingania arachioidea* Dieterle 9669  
R 11367 Mexico 9669
- E *Apodanthera ferreyrana* R.M. Crovetto 18200  
E 9446 Peru 18200
- I *Bryonia lappifolia* Vassilcz. 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- R *Bryonia melanocarpa* Nabiev 5942  
R 5942 Kazakhstan (southern) 5942
- E *Cayaponia denticulata* Jeffrey 20883, 10747  
I 20883 Panama 20883
- R *Chalema synanthera* Dieterle 9670  
R 11367 Mexico 9670
- I *Coccinia subglabra* C. Jeffrey 7749

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Cucurbitaceae: *Coccinia*

- I Mozambique 7749
- I** *Coccinia ulugurensis* Harms 19519  
I 5926 Tanzania (Uluguru and Ukaguru Mts.) 19519
- I** *Corallocarpus gracillipes* (Naudin) Cogn.  
I India - Tamil Nadu (Pondicherry, Carnatic)
- R** *Cremastopus minimus* (S.Watson) P.G. Wilson 11367  
R 11367 Mexico 11367
- R** *Cremastopus rostratus* P.G. Wilson 11367  
R 11367 Mexico 11367
- I** *Cucumella aetheocarpa* Jeffrey 19519  
I 5926 Tanzania (Tunduru) 19519
- R** *Cucumis globosus* C. Jeffrey 19519  
R 5926 Tanzania (Mbeya Distr.) 19519
- E** *Cucurbita okeechobeensis* (Small) Bailey 20850, 16110  
E 20850 U.S. - Florida (L. Okeechobee) 20850
- E** *Cucurbita okeechobeensis* Bailey ssp. *okeechobeensis* 20850  
E 20850 U.S. - Florida 20850
- R** *Cyclanthera bourgeana* Naudin 11367  
R 11367 Mexico 11367
- E** *Cyclanthera mathewsii* Arn. 18200  
E 9446 Peru 18200
- V** *Dendrosicyos socotrana* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- I** *Diplocyclos leiocarpus* (Gilg) C. Jeffrey 19519  
I 5926 Tanzania (Lindi) 19519
- R** *Elaterium carthagense* Jacq. var. *cordatum* (Hook.f.) Svenson 11117  
R Ecuador - Galapagos (V. Alcedo; Pinta; Santiago) 11117
- R** *Eureiandra balfourii* Cogn. 15534  
R 15534 Yemen - Socotra 15534
- E** *Frantzia panamensis* Wunderlin 20883, 9006  
I 20883 Panama 20883
- I** *Gerrardanthus grandiflorus* Cogn. 19519  
I 20057 Kenya (Buda forest) 20057  
I 5926 Tanzania (Lushoto) 19519
- R** *Gerrardanthus tomentosus* Hook.f. 20604  
R 20604 South Africa - Natal 20604
- R** *Hanburia parviflora* J.D. Smith 9004  
R 11367 Guatemala 9004  
R 11367 Mexico 9004
- R** *Ibervillea sonorae* (S.Watson) Greene 11367  
R 11367 Mexico 11367
- I** *Luffa umbellata* (Klein) M. Roemer  
I India - Kerala (Travancore coast)
- R** *Marah guadelupensis* (S.Watson) Greene 11367  
R 11367 Mexico 11367
- R** *Marah watsonii* (Cogn.) Greene 20850  
I 20850 U.S. - California 20850
- I** *Melothria amplexicaulis* (M. Lawson) Cogn.  
I India - Tamil Nadu
- I** *Melothria domingensis* Cong. 5642  
I Dominican Republic (Cienaga-Culata, Constanza) 5642
- I** *Melothria guamensis* Merr. 20818  
I 20818 North Mariana Is. (Saipan) 18035  
V 20818 U.S. - Guam 18338
- I** *Momordica glabra* Zimm. 19519  
I 5926 Tanzania (east Usambara Mts & Tanga) 19519
- I** *Momordica leiocarpa* Gilg 19519  
I 5926 Tanzania (Lushoto) 19519
- I** *Momordica pycnantha* Harms 19519  
I 5926 Tanzania (Lindi) 5926
- I** *Momordica subangulata* Blume  
I India - Karnataka (South Canara)  
I India - Kerala (Wynaad)
- R** *Nothoalsomitra suberosa* (Bailey) Telford 20681  
R 20681 Australia - Queensland 20681
- R** *Parasicyos maculatus* Dieterle 9004  
R 11367 Guatemala 9004
- I** *Penelopeia suburceolata* Cogn. 19408  
I 19408 Dominican Republic 19408
- I** *Peponium leucanthum* (Gilg) Cogn. 19519  
I 5926 Tanzania (Lindi) 19519
- E** *Peponium subtilorale* C. Jeffrey & J.S. Page 14981  
E 14981 Seychelles - Coralline Is. 14981
- R** *Peponopsis adhaerens* Naudin 11367  
R 11367 Mexico 11367
- V** *Psiguria* sp. Britt. 1 20883  
I 20883 Puerto Rico 20883
- R** *Pterosicyos laciniatus* Brandegees 9004  
R 11367 Guatemala 9004  
R 11367 Mexico 9004
- R** *Sechiopsis galeottii* Cogn. 11367  
R 11367 Guatemala 11367  
R 11367 Mexico 11367
- R** *Sechiopsis tetraptera* Dieterle 9670  
R 11367 Mexico 9670
- R** *Sechium hintonii* (P.G. Wilson) C. Jeffrey 11368  
R 11367 Mexico 11368
- R** *Sechium talamancensis* (Wunderlin) C. Jeffrey 11368  
R 11367 Costa Rica 11368
- R** *Sechium villosa* (Wunderlin) C. Jeffrey 11368  
R 11367 Costa Rica 11368
- R** *Sicyocaulis pentagonus* Wiggins 11117  
R Ecuador - Galapagos (V. Alcedo, Isabela; S. Cruz) 11117
- R** *Sicyos alba* (St. John) Telford 14209  
R 14209 U.S. - Hawaii 14209
- E** *Sicyos albus* (St. John) Telford 20850  
E 20850 U.S. - Hawaii 20850
- R** *Sicyos ampelophyllus* Woot. & Standl. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- E** *Sicyos chiriquensis* Hammel & D'Arcy 20883  
I 20883 Panama 20883
- E** *Sicyos cucumerinus* Gray 20850, 14209  
E 20850 U.S. - Hawaii (Moloka'i, Maui, Hawai'i) 20850
- V** *Sicyos erostatus* St. John 20850, 14209  
V 20850 U.S. - Hawaii (O'ahu, Moloka'i) 20850
- R** *Sicyos glaber* Woot. 20850  
E 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Texas 20850
- V** *Sicyos herbstii* (St. John) Telford 20850



## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Cucurbitaceae: *Sicyos*

- I 20850 U.S. - Hawaii 20850
- Ex/E** *Sicyos hillebrandii* St. John 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- V** *Sicyos lasiocephalus* Skottsb. 14209  
R 20850 U.S. - Hawaii (Hawai'i) 20850
- E** *Sicyos macrophyllus* Gray 20850, 14209  
E 20850 U.S. - Hawaii (Mauna Kea, Maun Loa) 20850
- R** *Sicyos maximowiczii* Cogn. 20850  
R 20850 U.S. - Hawaii 20850
- E** *Sicyos semitonus* St. John 20850, 14209  
I 20850 U.S. - Hawaii (Laysan) 20850
- Ex** *Sicyos villosa* Hook.f. 11117  
Ex Ecuador - Galapagos (Floreana) 11117
- V** *Sicyos waimanaloensis* St. John 20850, 14209  
V 20850 U.S. - Hawaii 20850
- V** *Sicyos weberbaueri* Harms 18200  
V 9446 Peru 18200
- R** *Siraitia taiwaniana* (Hay.) C. Jeffrey ex Lu & Zheng 20511  
R 20511 Taiwan 20511
- R** *Tecunumania quetzalteca* Standley & Steyerf. 11367  
R 11367 Guatemala 11367  
R 11367 Mexico 11367
- R** *Trichosanthes baviensis* Gagnepain 6057  
R Vietnam 6057
- R** *Trichosanthes boninensis* Nakai ex Tuy. 8622  
R 19134 Japan - Ogasawara-shoto (Chichijima) 8622
- I** *Trichosanthes lepiniana* (Naudin) Cogn.  
I India - Tamil Nadu (Nilgiri Hills)
- I** *Trichosanthes perrottetiana* Cogn.  
I India - Tamil Nadu (Pondicherry, Carnatic)
- R** *Trichosanthes subvelutina* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I** *Trichosanthes villosula* Cogn.  
I India - Tamil Nadu (Nilgiri Hills)
- R** *Vaseyanthus brandegei* (Cogn.) Rose 11367  
R 11367 Mexico 11367
- I** *Zanonia clarkei* King  
I Malaysia - Peninsular Malaysia (Selangor; Perak)

### Cunoniaceae

Number of genera:	25
Number of species:	350
Recorded threatened species:	25 (7%)

Southern Hemisphere, especially Australia, New Guinea and New Caledonia; also Mexico and West Indies.

- V** *Acrophyllum australe* (Cunh.) Hoogl. 20681  
V 20681 Australia - New South Wales 20681
- V** *Acsmithia vitiense* (A.Gray) Hoogl. 10253, 19630  
V 19630 Fiji 19630
- R** *Ceratopetalum corymbosum* C.White 20681  
R 20681 Australia - Queensland 20681
- R** *Ceratopetalum macrophyllum* Hoogl. 20681  
R 20681 Australia - Queensland 20681
- R** *Ceratopetalum virchowii* C.White 20681  
R 20681 Australia - Queensland 20681

- V** *Cunonia aoupiniensis* Hoogl. ined. 20893  
V 20893 New Caledonia 20893
- V** *Cunonia ouaiemensis* Guillaumin & Viot 20893  
V 20893 New Caledonia 20893
- R** *Cunonia rotundifolia* Däniker 20893  
R 20893 New Caledonia 20893
- V** *Geissois imthurnii* Turrill 10253  
V 19630 Fiji (Viti Levu) 19630
- V** *Geissois stipularis* A.C. Smith 19630  
V 19630 Fiji (Viti Levu) 19630
- V** *Geissois superba* Gillespie 19630  
V 19630 Fiji (Viti Levu) 19630
- R** *Geissois ternata* A.Gray var. *minor* 19630  
R 19630 Fiji (Viti Levu, Vanua Levu) 19630
- E** *Geissois ternata* A.Gray var. *serrata* 19630  
E 19630 Fiji 19630
- R** *Pancheria humboldtiana* Guillaumin 20893  
R 20893 New Caledonia 20893
- R** *Pancheria multijuga* Guillaumin 20893  
R 20893 New Caledonia 20893
- R** *Pancheria robusta* Guillaumin 20893  
R 20893 New Caledonia 20893
- R** *Schizomeria whitei* J.Mattf. 20681  
R 20681 Australia - Queensland 20681
- V** *Spiraeanthemum graeffei* Seemann 19630  
V 19630 Fiji (Viti Levu) 19630
- V** *Spiraeanthemum serratum* Gillespie 19630  
V 19630 Fiji (Viti Levu, Taveuni) 19630
- V** *Weinmannia exigua* A.C. Smith 19630  
V 19630 Fiji (Vanua Levu) 19630
- E** *Weinmannia laurina* (Woods.) Bernardi var. *pseudolaurina* (Woodson) Bernardi 20883, 10747  
I 20883 Panama 20883
- V** *Weinmannia ouaiemensis* Viot 20893  
V 20893 New Caledonia 20893
- V** *Weinmannia portlandiana* Howard & Proctor 20883, 13336  
V 13336 Jamaica 20883
- R** *Weinmannia raiateensis* J.Moore 20845  
R 20845 French Polynesia - Society Is. (Raiatea) 20845
- Ex/E** *Weinmannia spiraeoides* A.Gray 19630  
Ex/E 19630 Fiji (Ovalau) 19630
- V** *Weinmannia vitiensis* Seemann 19630  
V 19630 Fiji (Viti Levu, Taveuni, Kanavu, Moala) 19630

### Cyrillaceae

Number of genera:	3
Number of species:	14
Recorded threatened species:	2 (14%)

Northern South America; Central America; West Indies; southeastern United States.

- V** *Purdiaea ekmanii* Kirouac 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V** *Purdiaea microphylla* Britton & P. Wilson 5607  
V 19105 Cuba (Holguin; Guantánamo) 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Daphniphyllaceae: *Daphniphyllum*

**Daphniphyllaceae**

Number of genera:	1
Number of species:	35
Recorded threatened species:	2 (5%)

Asia and Malay Archipelago.

**R** *Daphniphyllum glaucescens* var. *lanyuense*  
Huang, 20511

**R** 20511 Taiwan 20511

**V** *Daphniphyllum humile* Maxim. ex Franchet & Savat, 5942

**V** 11552 Russia (Far East) - Kurilskye Is. 5942

**Datisceae**

Number of genera:	3
Number of species:	4
Recorded threatened species:	1 (25%)

Malasia; Asia; western North America.

**V** *Datisca cannabina* L. 20171

**V** 20731 Greece - East Aegean Is 20731

**Davidsoniaceae**

Number of genera:	1
Number of species:	1
Recorded threatened species:	1 (100%)

Northeastern Australia.

**E** *Davidsonia pruriens* F.Muell. var. *jerseyana*  
Bailey 20681

**E** 20681 Australia - New South Wales 20681

**Degeneriaceae**

Number of genera:	1
Number of species:	1
Recorded threatened species:	1 (100%)

Fiji.

**R** *Degeneria roseiflora* J.M.Müller 10253, 19630  
**R** 19630 Fiji (Vanua Levu, Taveuni) 19630

**Diapensiaceae**

Number of genera:	6
Number of species:	18
Recorded threatened species:	5 (27%)

Arctic & North temperate; south to Himalayas.

**V** *Pyxidantha brevifolia* Wells 20850

**I** 20850 U.S. - New York 20850

**V** 20850 U.S. - North Carolina 20850

**V** 20850 U.S. - South Carolina 20850

**R** *Schizocodon ilicifolius* Maxim. var. *minus* (Makino)  
Yamaz. 10573

**R** 10573 Japan 10573

**R** *Schizocodon intercedens* (Ohwi) Yamaz. 10573  
**R** 10573 Japan 10573

**V** *Shortia galacifolia* Torr. & Gray 20850

**E** 20850 U.S. - Georgia 20850

**V** 20850 U.S. - North Carolina 20850

**V** 20850 U.S. - South Carolina 20850

**E** II *Shortia galacifolia* Torr. & Gray var. *brevistyla*  
Davies 20850

**E** 20850 U.S. - North Carolina 20850

**V** II *Shortia galacifolia* Torr. & Gray var.  
*galacifolia* 20850

**E** 20850 U.S. - Georgia 20850

**V** 20850 U.S. - North Carolina 20850

**V** 20850 U.S. - South Carolina 20850

**V** *Shortia rotundifolia* Makino 10573

**V** 10573 Japan 10573

**Dichapetalaceae**

Number of genera:	3
Number of species:	235
Recorded threatened species:	45 (19%)

Throughout the tropics, one S. African species.

**R** *Dichapetalum asplundeum* Prance 11589  
**R** 11589 Ecuador 11589

**R** *Dichapetalum barbosa* Torre 7749  
**R** Mozambique 7749

**I** *Dichapetalum braunii* Engl. & Krause 19521  
**I** 5926 Tanzania (Lindi & Kiwa) 19521

**E** *Dichapetalum bullatum* Standley & Steyermark 20883,  
9004  
**R** 11589 Guatemala 20883

**E** *Dichapetalum coelhoi* Prance 20883  
**I** 20883 Brazil 20883

**E** *Dichapetalum fadenii* Breteler 20057  
**E** 20057 Kenya (Cha Simba, Mangea) 20057

**V** *Dichapetalum foreroi* Prance 20883  
**I** 20883 Colombia 20883

**I** *Dichapetalum gassitae* Breteler 21044  
**I** 21044 Gabon 21044

**I** *Dichapetalum gelonoides* (Roxb.) Engl. ssp.  
*andamanicum* (King) Leenh. 7771  
**I** India - Andaman Is. (South) 7771

**E** *Dichapetalum gentryi* Prance 20883, 9676  
**R** 11589 Panama 20883

**R** *Dichapetalum mendoncae* Torre 7749  
**R** Mozambique 7749

**R** *Dichapetalum nevermannianum* Standl. & Valerio 20883,  
9037  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883

**I** *Dichapetalum nyangense* Pellegrin 21044  
**I** 21044 Gabon 21044

**R** *Dichapetalum pauper* Rizzini 20883  
**I** 20883 Brazil 20883

**I** *Dichapetalum staminellatum* Breteler 21044  
**I** 21044 Zaire (central) 21044

**E** *Dichapetalum steyermarkii* Prance 20883  
**I** 20883 Venezuela 20883

**V** *Dichapetalum stipulatum* Macbride 20883  
**I** 20883 Peru 20883

**I** *Dichapetalum trichocephalum* Breteler  
**I** 21044 Gabon (Lecala) 21044

**R** *Dichapetalum zambesianum* Torre 7749  
**R** Mozambique 7749

**E** *Stephanopodium angulatum* (Little) Prance 20883  
**I** 20883 Ecuador 20883

**E** *Stephanopodium aptotum* Wheeler 20883, 11589  
**R** 11589 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dichapetalaceae: *Stephanopodium*

- V** *Stephanopodium blanchetianum* Baillon 20883  
I 20883 Brazil 20883
- V** *Stephanopodium engleri* Baillon 20883  
I 20883 Brazil 20883
- E** *Stephanopodium estrellense* Baillon 20883  
I 20883 Brazil 20883
- V** *Stephanopodium organense* (Rizzini) Prance 20883, 11589  
I 20883 Brazil 20883
- E** *Stephanopodium sessile* Rizzini 20883, 11589  
I 20883 Brazil 20883
- E** *Stephanopodium venezuelanum* Prance 20883, 11589  
R 11589 Venezuela 20883
- R** *Tapura acreana* (Ule) Rizzini 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- V** *Tapura amazonica* var. *manausensis* Prance 20883  
I 20883 Brazil 20883
- E** *Tapura bullata* Standley 20883, 19352  
I 19352 Colombia 20883
- E** *Tapura colombiana* Cuatrecasas 20883, 19352  
I 20883 Panama 20883  
I 19352 Colombia 20883
- R** *Tapura coriacea* Macbride 20883  
I 20883 Peru 20883
- V** *Tapura cubensis* ssp. *minor* Prance 20883  
I 20883 Cuba 20883
- E** *Tapura ferreyrae* Prance 20883  
I 20883 Peru 20883
- E** *Tapura haitiensis* Urban & Ekman 20883  
I 20883 Haiti (Massif de la Hotte) 21008
- V** *Tapura ivorensis* Breteler 20274  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 6072
- E** *Tapura juliani* Macbride 20883  
I 20883 Peru 20883
- V** *Tapura lanceolata* (Ducke) Rizzini 20883  
I 20883 Brazil 20883
- R** *Tapura latifolia* Bentham 20883  
I 20883 20883  
I 20883 Dominica 20883  
I 20883 Guadeloupe 20883  
I 20883 Martinique 20883  
I 20883 St Kitts - Nevis 20883
- R** *Tapura mexicana* Prance 9677  
R 11589 Mexico 9677
- I** *Tapura neglecta* Halle & Heine 21044, 7927  
I 21044 Gabon 7927
- V** *Tapura orbicularis* Ekman ex Urban 20883, 5607  
R 19105 Cuba (Holguin) 20883
- E** *Tapura panamensis* Prance 20883, 12042  
R 11589 Panama 20883
- R** *Tapura peruviana* Krause 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- V** *Tapura peruviana* Krause var. *peruviana* 20883  
I 20883 Peru 20883
- R** *Tapura peruviana* Krause var. *petioliflora* Prance 20883

I 20883 Ecuador 20883  
I 20883 Peru 20883

- E** *Tapura tessmannii* (Krause) Prance 20883  
I 20883 Peru 20883

**Didiereaceae**

Number of genera: 4  
Number of species: 11  
Recorded threatened species: 3 (27%)

Dry parts of Madagascar.

- R** *Alluaudia montagnacii* Rauh 10368  
R 19878 Madagascar 10368
- R** *Alluaudiopsis fiherenensis* Humbert & Choux 10368  
R 19878 Madagascar 10368
- R** *Alluaudiopsis marnieriana* Rauh 10368  
R 19878 Madagascar 10368

**Dilleniaceae**

Number of genera: 10  
Number of species: 350  
Recorded threatened species: 30 (8%)

Tropical and subtropical, especially Australia.

- I** *Acrotrema dissectum* Thwaites ex Hook.f. 10252  
I 16162 Sri Lanka 10252
- I** *Acrotrema lyratum* Thwaites ex Hook.f. 10252  
I 16162 Sri Lanka 10252
- I** *Acrotrema thwaitesii* Hook.f. & Thomson 10252  
I 16162 Sri Lanka 10252
- I** *Dillenia bussei* Gilg 19522  
I 5926 Tanzania 19522
- R** *Dillenia ferruginea* (Baillon) Gilg 14296  
R 19181 Seychelles (granitic) 14296
- V** *Dillenia fischeri* Merr. 12983  
V 15960 Philippines 12983
- I** *Dillenia luzoniensis* (Vid.) Martelli 13780  
I 15960 Philippines 13780
- V** *Dillenia megalantha* Merr. 12983  
V 15960 Philippines 12983
- V** *Dillenia philippinensis* Rolfe 12983  
V 15960 Philippines 12983
- E** *Doloiocarpus olivaceus* Standl. 20883, 9006  
I 20883 Panama 20883
- E** *Hibbertia bouletii* Veillon 20893  
E 20893 New Caledonia 20893
- V** *Hibbertia crispula* J.Black 20681  
V 20681 Australia - South Australia 20681
- R** *Hibbertia elata* Maiden & Betche 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Hibbertia favieri* Veillon 20893  
E 20893 New Caledonia 20893
- R** *Hibbertia hermanniifolia* DC. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R** *Hibbertia hexandra* C.White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Hibbertia humifusa* F.Muell. 20681  
R 20681 Australia - Victoria 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dilleniaceae: *Hibbertia*

- R** *Hibbertia kaputarensis* Conn 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Hibbertia margaretae* Veillon 20893  
**E** 20893 New Caledonia 20893
- R** *Hibbertia miniata* C.Gardner 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Hibbertia montana* Steudel 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Hibbertia monticola* Stanley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Hibbertia nitida* Benth. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Hibbertia paeninsularis* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- E** *Hibbertia rubescens* Veill. ex Guillaumin 20893  
**E** 20893 New Caledonia 20893
- R** *Hibbertia silvestris* Diels 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Hibbertia spathulata* Wakef. 20681  
**R** 20681 Australia - Victoria 20681
- E** *Schumacheria ahnifolia* Vahl 10276  
**E** 20013 Sri Lanka 10276
- E** *Schumacheria angustifolia* Hook.f. & Thoms.  
**E** 20013 Sri Lanka 12838
- R** *Wormia triquetra* Rottb. 10276  
**R** 20013 Sri Lanka 10276

**Dioncophyllaceae**

Number of genera:	3
Number of species:	3
Recorded threatened species:	1 (33%)

Rain forests of tropical Africa.

- I** *Triphyophyllum peltatum* (Hutch. & Dalz.) Airy Shaw  
**I** Côte d'Ivoire  
**I** Liberia  
**I** Sierra Leone

**Dipsacaceae**

Number of genera:	10
Number of species:	260
Recorded threatened species:	62 (23%)

Eurasia and Africa, especially Mediterranean region.

- R** *Cephalaria amana* Rech. fil. 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria baetica* Boiss.  
**R** Spain
- I** *Cephalaria calcarea* Albov  
**I** former USSR 6930
- R** *Cephalaria dirmilensis* Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria elmaliensis* Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria hakkiarica* Matthews 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria isaurica* Matthews 12840  
**R** 12840 Turkey 12840
- I** *Cephalaria litvinovii* Bobrov 5942, 20171  
**I** 5942 Russia (E. Europe) - South 5942

- R** *Cephalaria lycica* Matthews 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria paphlagonica* Bobrov 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria radiata* Griseb. & Schenk 17823, 20171  
**R** 20631 Romania 20631
- I** *Cephalaria salicifolia* Post 12840  
**I** 12840 Turkey 12840
- I** *Cephalaria scoparia* Contandr. ex Quezel 12840  
**I** 12840 Turkey 12840
- R** *Cephalaria sparsipilosa* Matthews 12840  
**R** 12840 Turkey 12840
- V** *Cephalaria squamiflora* (Sieber) Greuter ssp. *mediterranea* (Viv.) Pignatti 20645  
**V** 20645 Spain - Balearic Is. 20645
- R** *Cephalaria taurica* Szabo 12840  
**R** 12840 Turkey 12840
- R** *Cephalaria uralensis* (Murray) Roemer & Schultzer ssp. *multifida* (Roman) Roman & Beldie 17823  
**R** 19947 Romania 20631
- V** *Dipsacus cephalarioides* Matthews & Kupicha 12840  
**V** 12840 Turkey 12840
- V** *Dipsacus narcisseanus* Lawalree  
**V** Cameroon (Bamboutos mts)
- I** *Knautia baldensis* A.Kern. ex Borbás 20171  
**I** Italy (Veneto, Trentino) 20804
- I** *Knautia basaltica* Chass. & Szabó 20171  
**I** France (south-central mountains)
- R** *Knautia dalmatica* Beck 20171  
**R** (former) Yugoslavia
- R** *Knautia foreziensis* Chass. & Szabo 20171  
**R** France (Monts du Forez)
- R** *Knautia kitaiibellii* (Schult.) Borbás ssp. *tomentella* (Szabó) Baksay 20171  
**R** 20686 Hungary 20686
- E** *Knautia lebrunii* Prudhomme 20528  
**E** 20528 France (Pyrénées-Orientales) 20528
- R** *Knautia lucana* Lacaita & Szabó 20171  
**R** Italy (Basilicata) 20804
- V** *Knautia nevadensis* (M.Winkl. ex Szabó) Szabó 20171  
**V** 20076 Portugal 20076  
**V** Spain
- R** *Knautia norica* Ehrendorfer  
**R** Austria
- R** *Knautia pancicii* Szabó 20171  
**R** (former) Yugoslavia
- I** *Knautia persicina* A.Kern. 20171  
**I** Italy (Veneto, Trentino) 20804
- R** *Knautia sarajevensis* (Beck) Szabó 20171  
**V** 21091 Bosnia & Herzegovina 20852  
**R** (former) Yugoslavia
- E** *Knautia tatarica* (L.) Szabó 20171  
**E** former European USSR
- R** *Knautia travnicensis* (Beck) Szabo 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- I** *Knautia velutina* Briq. 18154, 20171  
**I** Italy (Veneto, Lombardy, Trentino) 8000  
**E** 18154 Switzerland 18154

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipsacaceae: *Knautia*

- R** *Pterocephalus arabicus* Boiss. 16168  
**R** 16168 Egypt (Sinai) 16168
- V** *Pterocephalus dumetorum* (Brouss. ex Willd.)  
 Coulter 20750  
**V** 20750 Spain - Canary Is. 20750
- Ex/E** *Pterocephalus fruticosus* Korovin 5942  
**Ex/E** 5942 Turkmenistan 5942
- V** *Pterocephalus porphyranthus* Svent. 20750  
**V** 20750 Spain - Canary Is. 20750
- E** *Pterocephalus virens* Berthel.  
**E** Spain - Canary Is.
- R** *Scabiosa albocincta* Greuter 20171  
**R** 20731 Greece - Crete 20731
- R** *Scabiosa camelorum* Coss. & Durieu 10488  
**R** 14958 Algeria 10488
- R** *Scabiosa cartenniana* Pons & Quezel 10488  
**R** 14958 Algeria 10488
- R** *Scabiosa columbaria* L. ssp. *paphlagonica* (Bormm.)  
 Matthews 12840  
**R** 12840 Turkey 12840
- R** *Scabiosa cyprica* Boiss. 14230  
**R** 19164 Cyprus (Troodos) 14230
- R** *Scabiosa eremophila* Boiss.  
**R** Egypt  
**R** Libya
- R** *Scabiosa fumaroides* Vis. & Pancic 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Scabiosa hololeuca* Bormm. 12840  
**R** 12840 Turkey 12840
- R** *Scabiosa kurdica* Post 12840  
**R** 12840 Turkey 12840
- R** *Scabiosa limonifolia* Vahl 18264, 20171  
**R** 18264 Italy - Sicily 18264
- R** *Scabiosa minoana* (P.H.Davis) Greuter 20171  
**R** 20731 Greece - Crete 20731
- I** *Scabiosa olgae* Albov 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Scabiosa paucidentata* Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Scabiosa pseudobanatica* (Schur) Chstek ssp. *barbata*  
 (E.J. Nyárády) Chstek 17823  
**R** 19949 Romania 20635
- R** *Scabiosa pseudobanatica* (Schur) Chstek ssp.  
*pseudobanatica* (E.J. Nyárády) Chstek 17823  
**R** 19949 Romania 17823
- R** *Scabiosa pseudograminifolia* Hub.-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Scabiosa pulsatiloides* Boiss. 15398, 20171  
**V** 15398 Spain (Sierra Nevada) 15398
- R** *Scabiosa rhodopensis* Stoj. & Stef. 5204, 20171  
**R** 5204 Bulgaria (Southern - two areas) 5204
- R** *Scabiosa roberti* Barratte  
**R** Tunisia
- R** *Scabiosa saxatilis* Cav. ssp. *saxatilis* 20171  
**R** 20692 Spain (Valencia and Alicante provinces)  
 20692
- R** *Scabiosa sulphurea* Boiss. & Huet 12840  
**R** 12840 Turkey 12840

- I** *Scabiosa thysdrusiana* Le Houer.  
**I** Tunisia
- V** *Succisa trichotocephala* Baksay  
**V** Cameroon
- R** *Succisella carvalhoana* (Mariz) Baksay 20171  
**R** 8322 Portugal 8322

**Dipterocarpaceae**

Number of genera: 16  
 Number of species: 600  
 Recorded threatened species: 195 (32%)

Centered in tropical rain forests of Malaysia.

- I** *Anisoptera reticulata* Ashton 7730  
**V** Brunei Darussalam 13845  
**I** Malaysia - Sabah 13845  
**I** Malaysia - Sarawak (north east) 13845
- I** *Cotylelobium lewisianum* (Trimen ex Hook.f.) P.  
 Ashton 8021  
**I** Sri Lanka 8021
- E** *Cotylelobium scabriusculum* (Thwaites) Brandis 8021  
**E** 12838 Sri Lanka 8021
- V** *Dipterocarpus baudii* Korth. 7730  
**E** Kampuchea 13845  
**E** Myanmar 12848  
**V** 13845 Thailand (southeastern & peninsular regions)  
 19257  
**V** Vietnam 13845  
**E** Indonesia - Sumatra 13845  
**V** Malaysia (Peninsular) 13845
- R** *Dipterocarpus bourdillonii* Brandis 12848  
**R** India (Kerala) 12848
- I** *Dipterocarpus chartaceus* Sym. 7730  
**I** 16087 Thailand (peninsular region) 19257  
**V** 13926 Malaysia - Peninsular Malaysia 13845
- Ex/E** *Dipterocarpus cinereus* Sloat 7730  
**Ex/E** Indonesia - Sumatra (west) 13845
- V** *Dipterocarpus concavus* Foxw. 7730  
**Ex/E** Indonesia - Sumatra (P. Singkep) 13845  
**V** 13926 Malaysia - Peninsular Malaysia (Pahang;  
 Perak) 13845
- E** *Dipterocarpus conformis* Sloat. ssp.  
*conformis* 7730  
**E** Indonesia - Sumatra (northwest) 13845
- I** *Dipterocarpus cuspidatus* Ashton 7730  
**I** Malaysia - Sarawak (central north)  
 13845
- R** *Dipterocarpus eurynchus* Miq. 7730  
**R** 13845 Brunei Darussalam 7730  
**I** 13845 Indonesia - Kalimantan (western) 7730  
**E** 13845 Indonesia - Sumatra 7730  
**R** 13845 Malaysia - Peninsular Malaysia (Terengganu,  
 Johore) 7730  
**I** 13845 Malaysia - Sarawak 7730  
**V** 13845 Philippines 7730
- E** *Dipterocarpus glandulosus* Thwaites 8021  
**E** 12838 Sri Lanka 8021
- R** *Dipterocarpus hasseltii* Blume 7730  
**V** 13845 Thailand (Peninsular Thailand) 13845  
**V** 15734 Vietnam 13845  
**E** 13845 Indonesia - Java (Jemba, Janlappa)  
 13845  
**I** 13845 Indonesia - Kalimantan (south & east)  
 13845  
**V** 13845 Indonesia - Sumatra 13845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipterocarpaceae: *Dipterocarpus*

- V 13926 Malaysia - Peninsular Malaysia (central & north) 13845  
 E 13845 Malaysia - Sabah (south-east) 13845  
 V 13845 Philippines 13845
- V *Dipterocarpus hispidus* Thwaites 8021  
 V 12838 Sri Lanka 8021
- E *Dipterocarpus insignis* Thwaites 8021  
 E 12838 Sri Lanka (south-west) 8021
- V *Dipterocarpus kerrii* King 7730  
 V Myanmar (Mergui - Victoria Point) 12848  
 V 13845 Thailand (Peninsula) 13845  
 V 13845 Indonesia - Kalimantan (northeast) 13845  
 V Indonesia - Sumatra (east) 13845  
 V 13926 Malaysia - Peninsular Malaysia 19209  
 E 13845 Philippines 13845  
 V 13845 India - Andaman Is. (Goplabang, Mt Harriet) 12848
- I *Dipterocarpus lamellatus* Hook.f. 7730  
 I 13845 Malaysia - Sabah (Labuan,) 13845
- I *Dipterocarpus littoralis* Blume 7730  
 I Indonesia - Java (Banjumas) 13845
- I *Dipterocarpus perakensis* Ashton 7730  
 I Malaysia - Peninsular Malaysia (Penang; Dindings; Pangkor) 13845
- V *Dipterocarpus rotundifolius* Foxw. 7609  
 V 13926 Malaysia - Peninsular Malaysia (Perak, Trengganu, Pahang) 7609
- V *Dipterocarpus sublamellatus* Foxw. 7730  
 E Indonesia - Sumatra 13845  
 V Malaysia - Peninsular Malaysia (Johor) 19209  
 V Malaysia - Sarawak 13845  
 V 20099 Singapore 20099
- E *Dipterocarpus zeylanicus* Thwaites 8021  
 E 12838 Sri Lanka 8021
- R *Hopea aequalis* Ashton 7730  
 I Malaysia - Sabah 13845  
 R Malaysia - Sarawak 13845
- I *Hopea andersonii* Ashton ssp. *basalticola* Ashton 7730  
 I Malaysia - Sabah 13845  
 I Malaysia - Sarawak 13845
- I *Hopea apiculata* Sym. 7730  
 I 13845 Myanmar 13845  
 I 13845 Thailand 13845  
 E Malaysia - Peninsular Malaysia 13845
- I *Hopea aptera* Ashton 7730  
 I Papua New Guinea (west, north) 7730
- V *Hopea auriculata* Foxw. 7730  
 V 13926 Malaysia - Peninsular Malaysia (NE Johor; E. Pahang) 13845
- V *Hopea bancana* (Boerl.) Sloot. 7730  
 V Indonesia - Sumatra (Bangka) 7730
- I *Hopea basilanica* Foxw. 7730  
 I 13845 Philippines (Mindanao, Basilan) 7730
- I *Hopea bilitonensis* Ashton 7730  
 E Indonesia - Sumatra (Belitung, Bangka) 13845  
 I Malaysia - Peninsular Malaysia 13845
- Ex/E *Hopea brachyptera* (Foxw.) Sloot. 7730  
 Ex/E 13845 Philippines (Mindanao) 13845
- V *Hopea brevipetolaris* (Thwaites) Ashton 8021  
 V Sri Lanka (Kurunegala) 8021
- V *Hopea cagayanensis* (Foxw.) Sloot. 7730  
 V 13845 Philippines (N.E. Luzon) 13845
- V *Hopea celebica* Burck 7730  
 V Indonesia (Sulawesi) 13845
- V *Hopea chinensis* Hand.-Mazz. 17617  
 E 17617 China - Guangxi (Shiwandashan) 11139  
 V Vietnam 12850
- I *Hopea cordata* Vidal 7730  
 I 20985 Vietnam 13845
- R *Hopea cordifolia* (Thwaites) Trimen 8021  
 R 16162 Sri Lanka 8021
- R *Hopea depressinerva* P. Ashton 7730  
 R 13845 Malaysia - Sarawak 13845
- E *Hopea discolor* Thwaites 8021  
 E 12838 Sri Lanka (Hiniduma, Ratnapura) 8021
- V *Hopea enicosanthoides* Ashton 7730  
 V Malaysia - Sarawak 13845
- Ex/E *Hopea erosa* (Beddome) van Slooten  
 Ex/E India - Tamil Nadu
- V *Hopea exalata* Lin, Yang & Hsue 17617  
 V 17617 China - Hainan Is. 11139
- Ex/E *Hopea foxworthyi* Elm. 7730  
 Ex/E 13845 Philippines (Sibayan) 13845
- V *Hopea glabrifolia* C.T. White 7730  
 V Papua New Guinea (Incl. the Louisiade Archipelago) 13845
- V *Hopea glaucescens* Sym. 7730  
 V 13926 Malaysia - Peninsular Malaysia 7730
- V *Hopea gregaria* Sloot. 7730  
 V Indonesia (Sulawesi, Moluccas) 13845
- E *Hopea hainanensis* Merr. & Chun 17617  
 E 17617 China - Hainan Is. 11139  
 K 20985 Vietnam 12850
- I *Hopea hongayanensis* Tardieu 13845  
 I Vietnam
- I *Hopea inexpectata* Ashton 7730  
 I Papua New Guinea (south) 13845
- R *Hopea jacobi* C. Fischer 14782  
 R 14782 India - Karnataka (Coorg) 14782
- V *Hopea johorensis* Sym. 7730  
 V 13926 Malaysia - Peninsular Malaysia (east Johor) 13845
- R *Hopea jucunda* Thwaites 12838  
 R 12838 Sri Lanka 12838
- V *Hopea kerangasensis* Ashton 7730  
 E Indonesia - Sumatra (east) 13845  
 V Malaysia - Peninsular Malaysia 13845  
 V Malaysia - Sarawak 13845
- V *Hopea longirostrata* Ashton 7730  
 V Malaysia - Sarawak 13845
- V *Hopea mesuoides* Ashton 7730  
 V Brunei Darussalam 13845  
 V Malaysia - Sarawak 13845
- I *Hopea mindanensis* Foxw. 7730  
 I 13845 Philippines (Mindanao) 13845
- I *Hopea nigra* Burck 7730  
 I Indonesia - Sumatra (east, Belitung, Bangka) 13845
- V *Hopea nutans* Ridley 7730  
 E Brunei Darussalam 13845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipterocarpaceae: *Hopea*

- V Indonesia - Kalimantan 13845  
V 13926 Malaysia - Peninsular Malaysia 13845  
V Malaysia - Sabah 13845  
V Malaysia - Sarawak 13845
- I** *Hopea oblongifolia* Dyer 12848  
I Myanmar (S. Tenasserim, Vict Pt) 12848  
I 13845 Thailand 12947
- I** *Hopea paucinervis* Parijs 7730  
I Indonesia - Sumatra (southeast) 13845
- Ex/E** *Hopea polyalthioides* Sym. 7730  
Ex/E Malaysia - Peninsular Malaysia (south Johor) 13845
- V** *Hopea pubescens* Ridley 7730  
V 13926 Malaysia - Peninsular Malaysia 13845
- I** *Hopea reticulata* Tardieu 7730  
I Thailand  
I Vietnam
- E** *Hopea samarensis* Gutierrez 7730  
E 13845 Philippines (Samar) 13845
- I** *Hopea scabra* Ashton 7730  
I Papua New Guinea 13845
- V** *Hopea sphaerocarpa* (Heim) Ashton 7730  
V Indonesia - Kalimantan (northwest) 13845  
V Malaysia - Sarawak 13845
- I** *Hopea subalata* Sym. 7730  
I Malaysia - Peninsular Malaysia (Kanching FoR, Selangor) 13845
- I** *Hopea sublanceolata* Sym. 7730  
I 13926 Malaysia - Peninsular Malaysia 13845
- I** *Hopea sulcata* Sym. 7730  
I Malaysia - Peninsular Malaysia 13845
- I** *Hopea tenuivervula* Ashton 7730  
V Brunei Darussalam 13845  
I Malaysia - Sabah 13845  
V Malaysia - Sarawak 13845
- I** *Hopea ultima* Ashton 7730  
I Papua New Guinea (southeast) 13845
- I** *Hopea vacciniifolia* Ridl. ex Ashton 7730  
V Brunei Darussalam 13845  
I Malaysia - Sarawak (north-east) 13845
- V** *Hopea wightiana* Wall. 12848  
V 13845 India - Karnataka (N. Kanara) 12848  
V 13845 India - Kerala 12848  
V 13845 India - Tamil Nadu (Tirunelveli) 12848
- V** *Monotes lutambensis* Verdc. 20556  
V 20885 Tanzania 20556
- V** *Parashorea aptera* Sloot. 7730  
V Indonesia - Sumatra (east) 13845
- R** *Parashorea buchananii* Fischer, C.  
R 13845 Myanmar (Tagwin chaung in Myitkyina) 12848
- R** *Parashorea chinensis* Wang Hsie 17617  
R 17617 China - Guangxi 11139  
R 17617 China - Yunnan (Mengla; Maguan; Hehong) 11139  
K 20985 Vietnam 12850
- V** *Parashorea densiflora* Slooten & Sym. 7730  
V 13926 Malaysia - Peninsular Malaysia 13845
- V** *Parashorea globosa* Sym. 7730  
E Indonesia - Sumatra 13845  
V 13926 Malaysia - Peninsular Malaysia 13845
- V** *Parashorea lucida* (Miq.) Kurz 7730
- V 13845 Indonesia - Kalimantan 7730  
V 13845 Indonesia - Sumatra (central Sumatra) 7730  
V 13845 Malaysia - Sarawak 7730
- V** *Parashorea macrophylla* Wyatt-Smith ex Ashton 7730  
V Brunei Darussalam 13845  
V Malaysia - Sarawak 13845
- V** *Shorea acuminatissima* Sym. 7730  
V Indonesia - Kalimantan (northeast) 13845  
V Malaysia - Sabah (east) 13845
- R** *Shorea affinis* (Thwaites) P. Ashton 8021  
R 12838 Sri Lanka 8021
- I** *Shorea alutacea* Ashton 7730  
I Malaysia - Sarawak 13845
- V** *Shorea andulensis* Ashton 7730  
V Brunei Darussalam 13845  
V Malaysia - Sarawak 13845
- I** *Shorea assamica* Dyer ssp. *koordersii* (Brandis) Sym. 7730  
I 13845 Indonesia - Moluccas (Sula, Batjan, Obi) 7730  
I 13845 Indonesia - Sulawesi 7730  
I 13845 Philippines (Luzon) 7730
- I** *Shorea astylosa* Foxw. 7730  
I 13845 Philippines 13845
- I** *Shorea bakoensis* Ashton 7730  
I Malaysia - Sarawak (west) 7730
- V** *Shorea bentongensis* Foxw. 7730  
V 13926 Malaysia - Peninsular Malaysia (Selangor; Pahang; Johor) 13845
- R** *Shorea biawak* Ashton 7730  
R Brunei Darussalam 13845  
V Malaysia - Sarawak 13845
- I** *Shorea blumutensis* Foxw. 7730  
E Indonesia - Sumatra (northeast) 13845  
I 13926 Malaysia - Peninsular Malaysia (Johor) 13845
- I** *Shorea bullata* Ashton 7730  
I Brunei Darussalam 13845  
I Malaysia - Sarawak 13845
- I** *Shorea cara* Kosterm., ined. 6074  
I Indonesia - Java (Lewueung Sancang) 6074
- R** *Shorea carapae* Ashton 7730  
R Indonesia - Kalimantan  
I Malaysia - Sarawak
- V** *Shorea chaiana* Ashton 7730  
V Malaysia - Sarawak (north-east) 13845
- V** *Shorea ciliata* King 7730  
V 13926 Malaysia - Peninsular Malaysia (Penang, Perak, Trengganu) 7609
- V** *Shorea collina* Ridley 7609  
V 13926 Malaysia - Peninsular Malaysia (Terengganu, Pahang, Johor) 7730  
Ex 20099 Singapore 20099
- R** *Shorea congestiflora* (Thwaites) P. Ashton 8021  
R 12838 Sri Lanka 8021
- E** *Shorea conica* (Sloot.) 7730  
E Indonesia - Sumatra (east) 13845
- I** *Shorea cordata* Ashton 7730  
I Malaysia - Sarawak (central and west) 13845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipterocarpaceae: *Shorea*

- R** *Shorea cordifolia* (Thwaites) P. Ashton 8021  
**R** 12838 Sri Lanka 8021
- V** *Shorea dealbata* Foxw. 7730  
**E** Indonesia - Sumatra 13845  
**V** 13926 Malaysia - Peninsular Malaysia 19209  
**V** Malaysia - Sarawak (west) 13845
- I** *Shorea dispar* Ashton 7730  
**I** Malaysia - Sarawak 13845
- R** *Shorea disticha* (Thwaites) P. Ashton 8021  
**R** 12838 Sri Lanka (wet zone) 8021
- E** *Shorea dyeri* Thwaites ex Trimen 8021  
**E** 12838 Sri Lanka 8021
- Ex/E** *Shorea falcata* Vidal  
**I** 20985 Vietnam (Kamh Ranh)
- V** *Shorea falciferoides* Foxw. 7730  
**V** 13845 Indonesia - Kalimantan 13845  
**E** 13845 Philippines 13845
- I** *Shorea foraminifera* Ashton 7730  
**I** Brunei Darussalam 13845
- I** *Shorea foxworthyi* Sym. 7730  
**E** 13845 Thailand (Peninsular Thailand) 13845  
**I** Indonesia - Kalimantan (south-east) 13845  
**E** Indonesia - Sumatra 13845  
**I** Malaysia - Sabah (east) 13845  
**I** Malaysia - Sarawak (centre & north-east) 13845
- V** *Shorea glauca* King 7730  
**Ex/E** 13845 Thailand (Peninsular Thailand) 13845  
**V** Indonesia - Sumatra 13845  
**V** Malaysia (Peninsular) 13845
- I** *Shorea hemsleyana* (Brandis) Ashton ssp. *grandiflora* (Brandis) Ashton  
**I** 13845 Indonesia - Kalimantan (Lower Kapuas) 13845  
**I** 13845 Malaysia - Sarawak 21040
- V** *Shorea hypochra* Hance 7730  
**V** Kampuchea 13845  
**V** 13845 Thailand (S.E. and Peninsular) 13845  
**V** Vietnam 13845  
**V** 13926 Malaysia - Peninsular Malaysia (Selangor, Pahang, north) 13845
- V** *Shorea inaequilateralis* Sym. 7730  
**V** Brunei Darussalam 13845  
**V** Malaysia - Sarawak 13845
- I** *Shorea inappendiculata* Burck 7730  
**I** Indonesia - Kalimantan (east) 13845  
**I** Malaysia - Sabah 13845  
**I** Malaysia - Sarawak 13845
- E** *Shorea induplicata* Sloat. 7730  
**Ex/E** Indonesia - Kalimantan (west) 13845  
**E** Malaysia - Sarawak (west) 13845
- I** *Shorea isoptera* Ashton 7730  
**V** Brunei Darussalam 13845  
**V** Malaysia - Sabah 13845  
**I** Malaysia - Sarawak 13845
- E** *Shorea kuantanensis* Ashton 7730  
**E** 13926 Malaysia - Peninsular Malaysia 13845
- I** *Shorea kudatensis* Wood ex Meijer 7730  
**I** Malaysia - Sabah (north) 13845
- V** *Shorea ladiana* Ashton 7730  
**V** Brunei Darussalam 13845  
**V** Malaysia - Sarawak 13845
- V** *Shorea laxa* Sloat. 7730  
**V** Brunei Darussalam 13845  
**V** Malaysia - Sarawak (northeast) 13845
- E** *Shorea leptoderma* Meijer 7730  
**E** Malaysia - Sabah (east) 13845
- E** *Shorea lissophylla* Thwaites 8021  
**E** 12838 Sri Lanka 8021
- V** *Shorea longiflora* (Brandis) Sym. 7730  
**V** Brunei Darussalam 13845  
**E** Indonesia - Kalimantan (east) 13845  
**V** Malaysia - Sarawak 13845
- V** *Shorea lumutensis* Sym. 7730  
**V** 13926 Malaysia - Peninsular Malaysia (Dindings, Perak) 13845
- V** *Shorea lunduensis* Ashton 7730  
**V** Malaysia - Sarawak 13845
- V** *Shorea macrantha* Brandis 7730  
**E** Indonesia - Sumatra (east) 13845  
**V** Malaysia - Peninsular Malaysia (Pahang, Johor, Perak) 19209  
**V** Malaysia - Sarawak 13845
- R** *Shorea macrobalanos* Ashton 7730  
**R** Malaysia - Sarawak 13845
- I** *Shorea malibato* Foxw. 7730  
**I** 13845 Philippines 13845
- V** *Shorea materialis* Ridley 7730  
**V** Brunei Darussalam 13845  
**E** Indonesia - Sumatra (east) 13845  
**V** 13926 Malaysia - Peninsular Malaysia (east coast region) 19209  
**V** Malaysia - Sarawak (north-east) 13845
- R** *Shorea megistophylla* Ashton 8021  
**R** 12838 Sri Lanka 8021
- I** *Shorea micans* Ashton 7730  
**I** Malaysia - Sabah 13845
- V** *Shorea mujongensis* Ashton 7730  
**V** Malaysia - Sarawak 13845
- V** *Shorea oblongifolia* Thwaites 8021  
**V** 12838 Sri Lanka 8021
- E** *Shorea obovoidea* Sloat. 7730  
**E** Malaysia - Sarawak (west) 13845
- V** *Shorea ochrophloia* Strugn. ex Sym. 7730  
**E** Indonesia - Sumatra (west) 13845  
**V** 13926 Malaysia - Peninsular Malaysia 13845
- E** *Shorea ovalifolia* (Thwaites) P. Ashton 8021  
**E** 12838 Sri Lanka (south-west) 8021
- V** *Shorea pachyphylla* Ridl. ex Sym. 7730  
**V** Brunei Darussalam 13845  
**V** Malaysia - Sarawak 13845
- E** *Shorea pallescens* P. Ashton 8021  
**E** 12838 Sri Lanka 8021
- I** *Shorea pallidifolia* Ashton 7730  
**?** Indonesia - Kalimantan (west) 21040  
**I** Malaysia - Sarawak 13845
- V** *Shorea polita* Vidal 7730  
**V** 13845 Philippines 13845
- I** *Shorea praestans* Ashton 7730  
**I** Malaysia - Sarawak (central) 13845
- E** *Shorea richetia* Sym. 7730  
**E** Indonesia - Kalimantan (northwest) 13845  
**E** Malaysia - Sarawak (west) 13845
- I** *Shorea rotundifolia* Ashton 7730



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipterocarpaceae: *Shorea*

- I Malaysia - Sarawak (central) 13845
- V *Shorea stipularis* Thwaites 8021  
V 12838 Sri Lanka 8021
- V *Shorea subcylindrica* Sloot. 7730  
V Malaysia - Sarawak (west) 13845
- R *Shorea superba* Sym. 7730  
R Brunei Darussalam 13845  
V Malaysia - Sabah 13845  
V Malaysia - Sarawak 13845
- V *Shorea symingtonii* G. Wood 7730  
V Malaysia - Sabah 13845
- I *Shorea tenuiramulosa* Ashton 7730  
I Malaysia - Sabah (east) 13845  
E Malaysia - Sarawak (west) 13845
- R *Shorea trapezifolia* (Thwaites) P. Ashton 8021  
R 12838 Sri Lanka 8021
- E *Shorea tumbugaia* Roxb.  
E India - Andhra Pradesh  
E India - Tamil Nadu
- V *Shorea waltoni* Wood ex Meijer 7730  
V Malaysia - Sabah (east) 13845
- R *Shorea worthingtonii* Ashton 8021  
R 12838 Sri Lanka 8021
- V *Shorea zeylanica* (Thwaites) P. Ashton 8021  
V 12838 Sri Lanka 8021
- V *Stemonoporus acuminatus* (Thwaites) P. Ashton 8021  
V 12838 Sri Lanka 8021
- E *Stemonoporus affinis* Thwaites 8021  
E 16162 Sri Lanka (Knuckles Range) 8021
- V *Stemonoporus canaliculatus* Thwaites 8021  
V 12838 Sri Lanka 8021
- E *Stemonoporus elegans* Thwaites 8021  
E 20013 Sri Lanka (Adam's Peak range) 8021
- I *Stemonoporus lanceolatus* Thwaites 8021  
I 16162 Sri Lanka (Kuruwita Korale) 8021
- E *Stemonoporus lancifolius* (Thwaites) P. Ashton 8021  
E Sri Lanka 8021
- E *Stemonoporus moonii* Thw. 8021  
E 20013 Sri Lanka (Kalutara) 13845
- I *Stemonoporus nitidus* Thwaites 8021  
I 16162 Sri Lanka 8021
- I *Stemonoporus oblongifolius* Thwaites 8021  
I 16162 Sri Lanka 8021
- I *Stemonoporus petiolaris* Thwaites 8021  
I 16162 Sri Lanka (Kitulgala, Gilimale) 8021
- E *Stemonoporus reticulatus* Thwaites 8021  
E 12838 Sri Lanka (Hiniduma, Kanneliya) 8021
- I *Stemonoporus rigidus* Thwaites 8021  
I 16162 Sri Lanka (Ambagamuwa) 8021
- V *Stemonoporus wightii* (Wight) Alston 21040  
V Sri Lanka (Ratnapura District) 8021
- V *Vateria copallifera* (Retz.) Alston 8021  
V 12838 Sri Lanka 8021
- R *Vateria macrocarpa* B.L. Gupta 11494  
R 11494 India - Kerala 11494
- E *Vateriopsis seychellarum* (Dyer) Yeim 14981  
E 14981 Seychelles (Mahé) 14981
- E *Vatica affinis* Thwaites 8021  
E 12838 Sri Lanka (Botalogodda, Sinharaja) 8021
- E *Vatica bantamensis* (Hassk.) Benth. & Hook.ex Miq. 7730  
E Indonesia - Java (Ujung Kulon) 13845
- I *Vatica cauliflora* Ashton 7730  
I Indonesia - Kalimantan (west) 13845
- I *Vatica chartacea* Ashton 7730  
I Indonesia - Kalimantan (west) 13845  
V Malaysia - Sabah (east) 13845  
V Malaysia - Sarawak 13845
- I *Vatica compressa* Ashton 7730  
I Malaysia - Sarawak 7730
- V *Vatica congesta* Ashton 7730  
V Malaysia - Sarawak 13845
- I *Vatica elliptica* Foxw. 7730  
I 13845 Philippines (Mindanao) 13845
- I *Vatica flavida* Foxw. 7609  
I 13926 Malaysia - Peninsular Malaysia (south Perak) 7609
- I *Vatica flavovirens* Sloot. 7730  
I Indonesia - Sulawesi 13845
- E *Vatica guangxiensis* S.L. Mo 17617  
E 17617 China - Guangxi (Napu) 11139
- V *Vatica hullettii* (Ridley) P. Ashton 7730  
V Malaysia - Peninsular Malaysia 13845
- E *Vatica javanica* Sloot. 7730  
E Indonesia - Java 13845  
E Indonesia - Kalimantan (east) 13845
- V *Vatica maritima* Sloot. 7730  
Ex 13845 Brunei Darussalam 13845  
E 13845 Indonesia - Kalimantan (northeast) 13845  
E 13845 Malaysia - Sabah 13845  
V 13845 Philippines (Palawan) 13845
- I *Vatica oblongifolia* Hook.f. ssp. *elliptifolia* Ashton 7730  
I Brunei Darussalam 7730  
V Malaysia - Sarawak 7730
- V *Vatica oblongifolia* Hook.f. ssp. *multinervosa* Ashton 7730  
Ex/E Indonesia - Kalimantan (east, Nunukan Island) 13845  
V Malaysia - Sabah 13845  
V Malaysia - Sarawak 13845
- V *Vatica oblongifolia* Hook F. ssp. *selakoensis* Ashton 21040  
V 13845 Malaysia - Sarawak (West Kalimantan) 7730
- V *Vatica obovata* Sloot. 7730  
V Indonesia - Sumatra 13845
- I *Vatica obscura* Trimen 8021  
I 16162 Sri Lanka 8021
- I *Vatica pachyphylla* Merr. 7730  
I 13845 Philippines 7730
- R *Vatica pedicellata* Brandis 7730  
R Malaysia - Sarawak (west) 13845
- I *Vatica rotata* Ashton 7730  
I Indonesia - Kalimantan (central) 13845  
I Malaysia - Sarawak 13845
- I *Vatica rynchocarpa* Ashton 7730  
I Brunei Darussalam 13845  
I Malaysia - Sarawak 13845
- V *Vatica sarawakensis* Heim 7730

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Dipterocarpaceae: *Vatica*

- V Indonesia - Kalimantan (east) 13845  
 V Malaysia - Sabah 13845  
 V Malaysia - Sarawak 13845
- I** *Vatica scortechinii* (King) Brandis 7730  
 I 13926 Malaysia - Peninsular Malaysia 13845
- Ex/E** *Vatica soepadmoi* Ashton 7730  
 Ex/E Indonesia - Sumatra (east) 13845
- V** *Vatica teysmanniana* Burck 7730  
 V Indonesia - Sumatra (Bengkalis, Bangka) 13845
- V** *Vatica venulosa* Bl. 7730  
 V Borneo 13845  
 V Indonesia - Sumatra 13845  
 V 13926 Malaysia - Peninsular Malaysia 13845
- E** *Vatica xishuangbannaensis* G.D. Tao & J.H. Zhang 17617  
 E 18038 China - Yunnan (Menla) 11139

**Droseraceae**

Number of genera: 4  
 Number of species: 100  
 Recorded threatened species: 14 (14%)

Temperate and tropical.

- R** II *Dionaea muscipula* Ellis 20850, 10260  
 R 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - South Carolina 20850
- V** *Drosera adalae* F.Muell. 20681  
 V 20681 Australia - Queensland 20681
- R** *Drosera brevifolia* Pursh. 12224  
 R 12224 U.S. - Mississippi 12224
- R** *Drosera capillaris* Poir. 12224  
 R 12224 U.S. - Mississippi 12224
- I** *Drosera colombiana* A. Fernandez 19352  
 I 19352 Colombia 19352
- V** *Drosera fimbriata* De Buhr 20681, 12732  
 V 20681 Australia - Western Australia 12732
- R** *Drosera graniticola* N.G.Marchant 20681  
 R 20681 Australia - Western Australia 20681
- R** *Drosera marchantii* DeBuhr. ssp. *marchantii* 20681  
 R 20681 Australia - Western Australia 12732
- R** *Drosera occidentalis* Morrison ssp. *occidentalis* 20681  
 R 20681 Australia - Western Australia 20681
- E** *Drosera panamensis* Correa & A.S. Taylor 20883, 9006  
 I 20883 Panama 20883
- V** *Drosera prolifera* C.White 20681  
 V 20681 Australia - Queensland 20681
- R** *Drosera regia* Stephens 20604, 14874  
 R 20604 South Africa - Cape Province 20604
- E** *Drosera rotundifolia* L. var. *corsica* Maire ex Briq. 15080  
 E 15080 France - Corsica 15080
- V** *Drosera schizandra* Diels 20681  
 V 20681 Australia - Queensland 20681

**Ebenaceae**

Number of genera: 5  
 Number of species: 450  
 Recorded threatened species: 81 (18%)

Tropical and subtropical.

- V** *Diospyros acuminata* (Thwaites) Kosterm. 8021  
 V 12838 Sri Lanka 8021
- E** *Diospyros acuta* Thwaites 8021  
 E 12838 Sri Lanka (south-west) 8021
- E** *Diospyros albiflora* Alston 8021  
 E 12838 Sri Lanka (Morapitiya, Kalutara Dist.) 8021
- E** *Diospyros angulata* Poirlet 10082  
 E 20771 Mauritius 10082
- R** *Diospyros anisandra* Blake 9004  
 R 9682 Guatemala 9004  
 R 9682 Mexico 9004
- I** *Diospyros atrata* Alston 8021  
 I 16162 Sri Lanka (Kandy, Kanneliya) 8021
- I** *Diospyros attenuata* Thwaites 8021  
 I 16162 Sri Lanka (south-west) 8021
- I** *Diospyros bambuseti* Fletcher 19120  
 I 19120 Thailand 19120
- V** *Diospyros barberi* Hiern 13102  
 V 20858 Cameroon  
 V 20858 Ghana 20858  
 V 20858 Nigeria 18326
- V** *Diospyros blancoi* DC. 10278  
 V Philippines 10278
- V** *Diospyros boutoniana* DC. 10082  
 V 20771 Mauritius 10082
- V** *Diospyros campechiana* Lundell 9004  
 V 9682 Guatemala 9004  
 V 9682 Mexico 9004
- R** *Diospyros celebica* Bakh. 12983  
 R Indonesia - Sulawesi 14185
- E** *Diospyros chaetocarpa* Kosterm. 8021  
 E 12838 Sri Lanka (south-west) 8021
- V** *Diospyros cherrieri* F. White 20893  
 V 20893 New Caledonia 20893
- R** *Diospyros christophersenii* Fosberg 20671, 7925  
 R 7925 Western Samoa (Savaai) 20671
- V** *Diospyros chrysophyllos* Poirlet 10082  
 V 20771 Mauritius 10082
- V** *Diospyros conzatii* Standley 9682  
 V 9682 Mexico 9682
- I** *Diospyros crumenata* Thwaites 8021  
 I Sri Lanka 8021
- V** *Diospyros diversifolia* Hiern 10082  
 V 5852 Mauritius - Rodrigues 5852
- V** *Diospyros ebenoides* Kosterm. 8021  
 V 20013 Sri Lanka (Badulla Dist.; Mirigama) 8021
- E** *Diospyros egrettarum* I. Richardson 10082  
 E 20771 Mauritius 10936
- I** *Diospyros engleri* Guerke 5926  
 I 5926 Tanzania (Pugu forest reserve) 5926
- E** *Diospyros erudita* F. White 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ebenaceae: *Diospyros*

- E 20893 New Caledonia 20893
- V *Diospyros fastidiosa* F. White 20893  
V 20893 New Caledonia 20893
- V *Diospyros felicianae* Letouzey & F. White  
V Guinea
- R *Diospyros fengchangensis* Lu  
R Taiwan
- R *Diospyros glandulifera* De Winter 20604  
R 20604 South Africa - Natal 20604
- I *Diospyros gracilis* Fletcher 19257  
I 19120 Thailand (eastern region) 19257
- R *Diospyros greenwayi* F. White 12948  
R 20057 Kenya 12948  
R 20057 Somalia (southern) 20271  
R 20057 Tanzania 12948
- E *Diospyros hemiteles* I. Richardson 10082  
E 20771 Mauritius 10082
- V *Diospyros hirsuta* L. 8021  
V 12838 Sri Lanka 8021
- V *Diospyros impolita* F. White 20802  
V 20893 New Caledonia 20802
- V *Diospyros johnstoniana* Standley & Steyerem. 9004  
V 9682 Guatemala 9004
- V *Diospyros kabuyeana* F. White 12948  
V 20057 Kenya 12948  
V 20057 Tanzania (Tanga, coast & Mafia Island) 20900
- V *Diospyros kanurii* F. White 20057  
V 20057 Kenya 20057
- E *Diospyros katendei* 20900  
E 20900 Uganda (Kasyoka & Kitomi forest) 20900
- I *Diospyros kerrii* Craib 19120  
I 19120 Thailand 19120
- I *Diospyros koenigii* Kosterm. 8021  
I 16162 Sri Lanka (Gannoruwa, Kandy) 8021
- V *Diospyros kotoensis* Yamaz. 20854  
V 20854 Taiwan (Lan Yu) 20854
- V *Diospyros leucomelas* Poirlet 10082  
V 20771 Mauritius 10082
- I *Diospyros longepilosa* Phengklai 19120  
I 19120 Thailand 19120
- E *Diospyros mabacea* (F. Muell.) F. Muell. 20681  
E 20681 Australia - New South Wales 20681
- R *Diospyros macrocarpa* Hiern 20893  
R 20893 New Caledonia 20893
- V *Diospyros magogoana* F. White 12948  
V 20885 Tanzania (Rondo) 20900
- V *Diospyros margaretæ* F. White 20893  
V 20893 New Caledonia 20893
- V *Diospyros melanida* Poirlet 10082  
V 20771 Mauritius 10082
- V *Diospyros minimifolia* F. White 20802  
V 20893 New Caledonia 20802
- I *Diospyros moonii* Thwaites 8021  
I 16162 Sri Lanka (south-west) 8021
- V *Diospyros mun* Lecomte 6057  
V 20985 Vietnam 6057
- R *Diospyros nebulosa* F. White 20893  
R 20893 New Caledonia 20893
- E *Diospyros neglecta* F. White 20893  
E 20893 New Caledonia 20893
- V *Diospyros neraudii* DC. 10082  
V 20771 Mauritius 10082
- V *Diospyros nodosa* Poirlet 10082  
V 20771 Mauritius 10082
- V *Diospyros oaxacana* Standley 9682  
V 9682 Mexico 9682
- I *Diospyros opaca* C.B. Clarke 8021  
I 16162 Sri Lanka 8021
- E *Diospyros oppositifolia* Thwaites 8021  
E 12838 Sri Lanka (Hindumkanda, Galle) 8021
- V *Diospyros perplexa* F. White 20802  
V 20893 New Caledonia 20802
- V *Diospyros pterocalyx* Bojer ex DC. 10082  
V 20771 Mauritius 10082
- R *Diospyros pubicalix* Bakh. 19120  
R 19120 Thailand 19120
- I *Diospyros pulgarensis* (Elm.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- V *Diospyros pustulata* F. White 20802  
V 20893 New Caledonia 20802
- E *Diospyros quaesita* Thwaites 8021  
E 12838 Sri Lanka 8021
- V *Diospyros rekoii* Standley 9682  
V 9682 Mexico 9682
- V *Diospyros revaughanii* I. Richardson 10082  
V 20771 Mauritius 10082
- V *Diospyros revolutissima* F. White 20893  
V 20893 New Caledonia 20893
- E *Diospyros rheophytica* Kosterm. 8021  
E 20013 Sri Lanka 8021
- E *Diospyros riojae* Gómez Pompa 9019  
E 11119 Mexico - Veracruz 9019
- I *Diospyros saxosa* Fletcher 19120  
I 19120 Thailand 19120
- R *Diospyros seychellarum* (Hiern) Kosterm. 19181  
R 19182 Seychelles (granitic) 19182
- V *Diospyros sintenisii* (Krug & Urban) Standl. 20883  
R 19002 Puerto Rico 20883
- V *Diospyros tessellaria* Poirlet 10082  
V 20771 Mauritius 10082
- I *Diospyros thaiensis* Phengklai 19120  
I 19120 Thailand 19120
- V *Diospyros thwaitesii* Beddome 8021  
V 12838 Sri Lanka 8021
- I *Diospyros trianthos* Phengklai 19120  
I 19120 Thailand 19120
- V *Diospyros trisulca* F. White 20893  
V 20893 New Caledonia 20893
- E *Diospyros veillonii* F. White 20802  
E 20802 New Caledonia (Gadji) 20802
- I *Diospyros vermoeseni* De Wild.  
I Gabon (Tchibanga)
- R *Diospyros wajirensis* F. White 20057  
R 20057 Kenya 20057  
R 20884 Somalia 20884
- V *Diospyros walkeri* (Wight) Gurke 8021

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ebenaceae: *Diospyros*

- V 12838 Sri Lanka 8021  
**R** *Diospyros xolocotzii* Madrigal & Rzed. 12071  
 R 19850 Mexico - Michoacan 12071

**Elaeagnaceae**

Number of genera: 3  
 Number of species: 50  
 Recorded threatened species: 9 (18%)

Temperate and subtropical Northern Hemisphere, to tropical Asia and northern Australia.

- V** *Elaeagnus arakiana* Koidz. 10572  
 V 20626 Japan (Kyoto) 20626  
**E** *Elaeagnus conferta* Roxb. ssp. *dendroidea*  
 Servettaz 14782  
 E 14782 India - Meghalaya (Khasi hills) 14782  
**V** *Elaeagnus mollis* Diels 17617  
 V 17617 China - Shaanxi (Huxian) 11139  
 V 17617 China - Shanxi (Xiangning; Hejing; Yicheng) 11139  
**R** *Elaeagnus numajiriana* Makino 10572  
 R 10572 Japan 10572  
**R** *Elaeagnus rotundata* Nakai 8622  
 R 19135 Japan - Kazan Retto 8622  
 R 19135 Japan - Ogasawara-shoto 8622  
**R** *Elaeagnus takeshitae* Makino 10572  
 R 10572 Japan 10572  
**R** *Elaeagnus tricholepis* Momiyama 7731  
 R Nepal 7731  
**V** *Elaeagnus yakushimensis* Masam. 10572  
 V 20626 Japan (Yakushima Is.) 20626  
**R** *Elaeagnus yoshinoi* Makino 10572  
 R 10572 Japan 10572

**Elaeocarpaceae**

Number of genera: 10  
 Number of species: 400  
 Recorded threatened species: 44 (11%)

Tropical and subtropical.

- R** *Aceratium doggrellii* C.White 20681  
 R 20681 Australia - Queensland 20681  
**R** *Aceratium ferrugineum* C.White 20681  
 R 20681 Australia - Queensland 20681  
**R** *Aceratium sericoleopsis* Balg. 20681  
 R 20681 Australia - Queensland 20681  
**R** *Crinodendron hookerianum* Gay 20883  
 R 20883 Chile 20883  
**R** *Crinodendron tucumanum* Lillo 16336  
 I 19448 Argentina (Tucumani) 16336  
 R 20176 Argentina - Catamarca 20176  
 R 20176 Argentina - Jujuy 20176  
 R 20176 Argentina - Salta 20176  
 R 20176 Argentina - Tucuman 20176  
**R** *Dubouzetia australiensis* Coode 20681  
 R 20681 Australia - Northern Territory 20681  
**R** *Dubouzetia guillauminii* Virot 20893  
 R 20893 New Caledonia 20893  
**V** *Elaeocarpus biflorus* Tirel 20893  
 V 20893 New Caledonia 20893  
**R** *Elaeocarpus blascoi* Weibel 14782  
 R 14782 India - Tamil Nadu 14782  
**E** *Elaeocarpus bojeri* R.E. Vaughan 10082, 21329  
 E 20771 Mauritius 10082  
**V** *Elaeocarpus calomala* (Blanco) Merr. 13780  
 V 15960 Philippines 13780  
**R** *Elaeocarpus caroliniae* B.Hyland & Coode 20681  
 R 20681 Australia - Queensland 20681  
**R** *Elaeocarpus castanaefolius* Guillaumin  
 R New Caledonia  
**I** *Elaeocarpus ceylanicus* (Arn.) Masters 10252  
 I 16162 Sri Lanka 10252  
**V** *Elaeocarpus colnettianus* Guillaumin 20893  
 V 20893 New Caledonia 20893  
**R** *Elaeocarpus coorangooloo* J.F.Bailey & C.White 20681  
 R 20681 Australia - Queensland 20681  
**I** *Elaeocarpus costatus* M. Taylor  
 I 14226 Australia - NSW - Lord Howe Is. 14226  
**R** *Elaeocarpus darlacensis* Gagnepain 6057  
 R Vietnam 6057  
**R** *Elaeocarpus gausseii* Weibel 14782  
 R 14782 India (western Ghats) 14782  
**V** *Elaeocarpus glandulifer* Masters 10276  
 V 20013 Sri Lanka 10276  
**R** *Elaeocarpus gordonii* Tirel 20893  
 R 20893 New Caledonia 20893  
**R** *Elaeocarpus grahamii* F.Muell. 20681  
 R 20681 Australia - Queensland 20681  
**E** *Elaeocarpus integrifolius* Lam. 10082, 21329  
 E 20771 Mauritius 10082  
**R** *Elaeocarpus johnsonii* F.Muell. ex C.White 20681  
 R 20681 Australia - Queensland 20681  
**E** *Elaeocarpus kaalensis* Daniker 20893  
 E 20893 New Caledonia 20893  
**R** *Elaeocarpus linsmithii* Guyer 20681  
 R 20681 Australia - Queensland 20681  
**V** *Elaeocarpus lucidus* Roxb. 14872  
 V 14872 Bangladesh 14872  
**R** *Elaeocarpus montanus* Thwaites 10252  
 R 20013 Sri Lanka 10252  
**V** *Elaeocarpus moratii* Tirel 20893  
 V 20893 New Caledonia 20893  
**R** *Elaeocarpus munronii* (Wt.) Mast. 14782  
 R 14782 India - Karnataka 14782  
 R 14782 India - Maharashtra 14782  
 R 14782 India - Tamil Nadu 14782  
**R** *Elaeocarpus recurvatus* Corner 14782  
 R 14782 India - Tamil Nadu 14782  
**R** *Elaeocarpus sphaericus* (Gaertn.) Schumann var. *hayatae* (Kaneh. & Sasaki) Chang 20511  
 R 14961 Taiwan (Botel Tobago) 14961  
**R** *Elaeocarpus stellaris* L.S.Smith 20681  
 R 20681 Australia - Queensland 20681  
**R** *Elaeocarpus subvillosus* Arn. 10276  
 R 12838 Sri Lanka 10276  
**R** *Elaeocarpus thelmae* B.Hyland & Coode 20681  
 R 20681 Australia - Queensland 20681  
**R** *Elaeocarpus vaccinioides* F. Muell. ex Brongn. & Gris 20893  
 R 20893 New Caledonia 20893

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Elaeocarpaceae: *Elaeocarpus*

- V** *Elaeocarpus venustus* Beddome 6987  
 V 13883 India - Kerala 6987  
 V 13883 India - Tamil Nadu 6987
- E** *Elaeocarpus williamsianus* Guymer 20681  
 E 20681 Australia - New South Wales 20681
- R** *Peripentadenia mearsii* (C.White) L.S.Smith 20681  
 R 20681 Australia - Queensland 20681
- R** *Peripentadenia phelpsii* B.Hyland & Coode 20681  
 R 20681 Australia - Queensland 20681
- R** *Sloanea dussii* Urban 19001  
 R 19001 Martinique (upper Absalon, Plateau Concorde, morne Sibérie) 19001
- R** *Sloanea koghiensis* Tirel  
 R New Caledonia
- V** *Sloanea lepida* Tirel 20893  
 V 20893 New Caledonia 20893
- V** *Sloanea suaveolens* Tirel 20893  
 V 20893 New Caledonia 20893

## Elatinaceae

Number of genera: 2  
 Number of species: 40  
 Recorded threatened species: 5 (12%)

Tropical and subtropical.

- R** *Bergia barklyana* G.Leach 20681  
 R 20681 Australia - Northern Territory 20681
- R** *Bergia occulipetala* G.Leach 20681  
 I 20681 Australia - Northern Territory 20681  
 I 20681 Australia - South Australia 20681
- R** *Elatine fauquei* Monod 11751  
 R Mali (near Bamako) 11751
- R** *Elatine gussonei* (Sommier) Brullo, Lanfranco, Pavone & Ronsisvalle 13351  
 R 13351 Malta (confined to the Maltese Islands and Lampedusa) 13351
- V** *Elatine obovata* (Fassett) Mason 20850  
 I 20850 U.S. - California 20850

## Epacridaceae

Number of genera: 30  
 Number of species: 400  
 Recorded threatened species: 60 (15%)

Mostly Australia, New Zealand, and East Indies.

- R** *Acrotiche baileyana* (Domin) Powell 20681  
 R 20681 Australia - Queensland 20681
- V** *Budawangia gnidioides* (Summerh.) Telford 20681  
 V 20681 Australia - New South Wales 20681
- Ex** *Coleanthera virgata* Stschehl. 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- R** *Conostephium minus* Lindley 20681  
 R 20681 Australia - Western Australia 20681
- R** *Cyathodes nitida* Jarman 20681  
 R 20681 Australia - Tasmania 20681
- V** *Cyathodes robusta* Hook.f.  
 V New Zealand - Chatham Is.
- R** *Cyathodes sulcata* Mihaich 20681  
 R 20681 Australia - Tasmania 20681
- E** *Dracophyllum alticola* Daniker 20893  
 E 20893 New Caledonia 20893

- R** *Dracophyllum cosmelioides* Pancher ex Oliver  
 R New Caledonia
- R** *Dracophyllum fitzgeraldii* C. Moore & F. Muell.  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Dracophyllum ouaiemense* Viot 20893  
 V 20893 New Caledonia 20893
- R** *Dracophyllum sayeri* F.Muell. 20681  
 R 20681 Australia - Queensland 20681
- V** *Epacris acuminata* Benth. 20681  
 V 20681 Australia - Tasmania 20681
- V** *Epacris apseyensis* R.K.Crowden 20681  
 V 20681 Australia - Tasmania 20681
- E** *Epacris barbata* Melville 20681  
 E 20681 Australia - Tasmania 20681
- R** *Epacris cortacea* Cunn. ex DC. 20681  
 R 20681 Australia - New South Wales 20681
- R** *Epacris curtisiae* Jarman 20681  
 R 20681 Australia - Tasmania 20681
- V** *Epacris exserta* R.Br. 20681  
 V 20681 Australia - Tasmania 20681
- V** *Epacris glabella* Jarman 20681  
 V 20681 Australia - Tasmania 20681
- V** *Epacris grandis* R.K.Crowden 20681  
 V 20681 Australia - Tasmania 20681
- E** *Epacris hamiltonii* Maiden & Betche 20681  
 E 20681 Australia - New South Wales 20681
- V** *Epacris limbata* K.J.Williams & F.Duncan 20681  
 V 20681 Australia - Tasmania 20681
- R** *Epacris marginata* Melville 20681  
 R 20681 Australia - Tasmania 20681
- R** *Epacris mucronulata* R.Br. 20681  
 R 20681 Australia - Tasmania 20681
- R** *Epacris muelleri* Sonder 20681  
 R 20681 Australia - New South Wales 20681
- R** *Epacris myrtifolia* Labill. 20681  
 R 20681 Australia - Tasmania 20681
- R** *Epacris navicularis* Jarman 20681  
 R 20681 Australia - Tasmania 20681
- V** *Epacris sparsa* R.Br. 20681  
 V 20681 Australia - New South Wales 20681
- E** *Epacris stuartii* Stapf 20681  
 E 20681 Australia - Western Australia 20681
- R** *Leucopogon cicatricatus* J.Powell 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- E** *Leucopogon confertus* Benth. 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- Ex** *Leucopogon cryptanthus* Benth. 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- V** *Leucopogon cuspidatus* R.Br. 20681  
 V 20681 Australia - Queensland 20681
- V** *Leucopogon exolasius* (F.Muell.) Benth. 20681  
 V 20681 Australia - New South Wales 20681
- R** *Leucopogon fletcheri* Maiden & Betche spp. *fletcheri* 20681  
 R 20681 Australia - New South Wales 20681
- R** *Leucopogon grandiflorus* Pedley 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Epacridaceae: *Leucopogon*

- R 20681 Australia - Queensland 20681
- Ex *Leucopogon marginatus* Fitzg. 20681  
Ex 20681 Australia - Western Australia 20681
- R *Leucopogon milliganii* (F.Muell.) Rodway 20681  
R 20681 Australia - Tasmania 20681
- R *Leucopogon neurophyllus* F.Muell. 20681  
R 20681 Australia - Victoria 20681
- V *Leucopogon obtectus* Benth. 20681  
V 20681 Australia - Western Australia 20681
- R *Leucopogon riparius* Wakef. 20681  
R 20681 Australia - Victoria 20681
- R *Leucopogon rupicolus* C.White 20681  
R 20681 Australia - Queensland 20681
- R *Leucopogon sonderensis* J.H.Willis 20681  
R 20681 Australia - Northern Territory 20681
- R *Lissanthe sapida* R.Br. 20681  
R 20681 Australia - New South Wales 20681
- E *Melichrus hirsutus* J.B.Williams ms. 20681  
E 20681 Australia - New South Wales 20681
- R *Monotoca ledifolia* Cunn. ex Benth. 20681  
R 20681 Australia - New South Wales 20681
- R *Monotoca linifolia* (Rodway) W.M.Curtis ssp. *algida*  
Jarman 20681  
R 20681 Australia - Tasmania 20681
- R *Monotoca linifolia* (Rodway) W.M.Curtis ssp. *linifolia*  
20681  
R 20681 Australia - Tasmania 20681
- R *Monotoca rotundifolia* J.H.Willis 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Pentachondra ericifolia* Hook.f. 20681  
R 20681 Australia - Tasmania 20681
- R *Rupicola apiculata* (Cunn.) Telford 20681  
R 20681 Australia - New South Wales 20681
- R *Rupicola ciliata* Telford 20681  
R 20681 Australia - New South Wales 20681
- R *Rupicola decumbens* Telford 20681  
R 20681 Australia - New South Wales 20681
- R *Rupicola sprengelioides* Maiden & Betche 20681  
R 20681 Australia - New South Wales 20681
- R *Sprengelia distichophylla* (Rodway) W.M.Curtis 20681  
R 20681 Australia - Tasmania 20681
- R *Sprengelia monticola* (DC.) Druce 20681  
R 20681 Australia - New South Wales 20681
- R *Styphelia enervia* (Guillaumin) Sleumer  
R New Caledonia
- V *Styphelia perileuca* J.Powell 20681  
V 20681 Australia - New South Wales 20681
- H *Styphelia psiloclada* J.Powell 20681  
R 20681 Australia - New South Wales 20681
- I *Styphelia rapae* Sleumer 20845  
I 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- R *Styphelia tameiameia* (Cham. & Schlechtend.) F.H. Mueller  
var. *marquesensis* F.Brown 20845  
R 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- E *Styphelia violaceo-spicata* (Guillaumin)  
McPherson 20893

E 20893 New Caledonia 20893

- R *Trochocarpa bellendenkerensis* Domin 20681  
R 20681 Australia - Queensland 20681
- R *Trochocarpa disticha* (Labill.) Sprengel 20681  
R 20681 Australia - Tasmania 20681

Eremolepidaceae

Number of genera: 3  
Number of species: 12  
Recorded threatened species: 1 (8%)

Tropical America.

- V *Eubrachion ambiguum* var. *jamaicense* Krug. & Urb. 20883  
V 20883 Jamaica 20883

Ericaceae

Number of genera: 125  
Number of species: 3,500  
Recorded threatened species: 509 (14%)

Cosmopolitan.

- I *Acrostemon xeranthemifolius* (Salisb.)  
E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- R *Agapetes meiniana* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- V *Agapetes neo-caledonica* Guillaumin 20893  
V 20893 New Caledonia 20893
- I *Agapetes nuttallii* C.B. Clarke 10173  
I Bhutan 10173  
I India - Arunachal Pradesh 10173
- V *Agarista angustissima* Taubert 20883  
V 20883 Brazil 20883
- R *Agarista boliviensis* (Sleumer) Judd 20883  
V 20883 Argentina 20883  
I 20883 Bolivia 20883
- E *Agarista bracemorensis* (Kunth) G. Don 20883  
E 20883 Peru 20883
- V *Agarista chapadensis* Kinoshita-Gouvea 20883  
V 20893 Brazil 20883
- V *Agarista coriifolia* var. *bradei* Judd 20883  
V 20883 Brazil 20883
- E *Agarista duartei* (Sleumer) Judd 20883  
E 20883 Brazil 20883
- E *Agarista ericoides* Taubert 20883  
E 20883 Brazil 20883
- R *Agarista eucalyptoides* (Chamisso & Schlechtendal)  
Don 20883  
R 20883 Brazil 20883  
E 20883 Uruguay 20883
- V *Agarista glaberrima* (Sleumer) Judd 20883  
V 20883 Brazil 20883
- R *Agarista hispidula* (De Candolle) J.D. Hooker ex  
Niedenau 20883  
R 20883 Brazil 20883
- R *Agarista minensis* (Glaziou ex Sleumer) Judd 20883  
R 20883 Brazil 20883
- R *Agarista niederleinii* (Sleumer) Judd 20883  
R 20883 Brazil 20883
- R *Agarista niederleinii* (Sleumer) Judd var. *acutifolia*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Agarista*

Judd 20883

V 20883 Brazil 20883

**R** *Agarista nummularia* (Chamisso & Schlechtendal)

G.Don 20883

**R** 20883 Brazil 20883

**E** *Agarista organensis* (Gardner) J.D.Hooker ex

Niedenzu 20883

**E** 20883 Brazil 20883

**V** *Agarista paraguayensis* (Sleumer) Judd 20883

V 20883 Argentina 20883

V 20883 Paraguay 20883

**V** *Agarista pulchra* (Chamisso & Schlechtendal)

G.Don 20883

V 20883 Brazil 20883

**V** *Agarista revoluta* (Sprengel) J.D.Hooker ex

Niedenzu 20883

V 20883 Brazil 20883

**E** *Agarista revoluta* (Sprengel) J.D.Hooker ex Niedenzu var.

*velutina* (Sprengel) J.D.Hooker ex Niedenzu 20883

**E** 20883 Brazil 20883

**R** *Agarista sleumeri* Judd 20883

**R** 20883 Mexico 20883

**E** *Agarista subcordata* (Dunal) Judd 20883

**E** 20883 Peru 20883

**E** *Agarista subrotunda* (Pohl) G.Don 20883

**E** 20883 Brazil 20883

**V** *Agarista uleana* (Sleumer) Judd 20883

V 20883 Brazil 20883

**V** *Agarista villarrealana* L.M.Gonzalez V. 20883

V 20883 Brazil 20883

**E** *Agarista virgata* Judd 20883

**E** 20883 Brazil 20883

**V** *Anthopteropsis insignis* A.C. Sm. 20883, 9006

**I** 20883 Panama 20883

**R** *Anthopterus cuneatus* A.C. Smith 11135

**R** Colombia 11135

**R** *Anthopterus oliganthus* A.C. Smith 11135

**R** Colombia 11135

**R** *Arbutus occidentalis* McVaugh & Rosatti 9683

**R** 19850 Mexico 9683

**V** *Arbutus pavarii* Pampan.

V Libya

**V** *Arctostaphylos andersonii* Gray 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos auriculata* Eastw. 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos bakeri* Eastw. 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos bakeri* Eastw. ssp.

*bakeri* 20850

V 20850 U.S. - California 20850

**R** *Arctostaphylos canescens* 20850

**I** 20850 U.S. - California 20850

**I** 20850 U.S. - Oregon 20850

**R** *Arctostaphylos canescens* Eastw. ssp. *malloryi* W.

Knight & Gankin 20850

**R** 20850 U.S. - California 20850

**V** *Arctostaphylos canescens* Eastw. ssp. *sonomensis*

(Eastw.) P.V. Wells 20850

V 20850 U.S. - California 20850

**E** *Arctostaphylos catalinae* P.V. Wells 20850

**I** 20850 U.S. - California 20850

**V** *Arctostaphylos columbiana* Piper ssp. *nortensis*

P.V. Wells 20850

V 20850 U.S. - California 20850

**E** *Arctostaphylos confertiflora* Eastw. 20850

**E** 20850 U.S. - California 20850

**V** *Arctostaphylos cruzensis* J.B. Roof 20850

V 20850 U.S. - California 20850

**E** *Arctostaphylos densiflora* M.S. Baker 20850, 11027

**E** 20850 U.S. - California (Vine Hill, Sonoma County) 20850

**V** *Arctostaphylos edmundsii* J.T. Howell 20850

V 20850 U.S. - California 20850

**E** *Arctostaphylos glandulosa* Eastw. ssp. *crassifolia*

(Jepson) P.V. Wells 20850

**E** 20850 U.S. - California 20850

**V** *Arctostaphylos glutinosa* Schreib. 20850

V 20850 U.S. - California 20850

**R** *Arctostaphylos hispida* T.J. Howell 20850

V 20850 U.S. - California 20850

V 20850 U.S. - Oregon 20850

**V** *Arctostaphylos hookeri* G. Don 20850

**I** 20850 U.S. - California 20850

**Ex/E** *Arctostaphylos hookeri* G. Don ssp. *franciscana*

(Eastw.) Munz 20850

**Ex** 20850 U.S. - California 20850

**E** *Arctostaphylos hookeri* G. Don ssp. *hearstiorum*

(Hoover & J.B. Roof) P.V. Wells 20850

**E** 20850 U.S. - California 20850

**V** *Arctostaphylos hookeri* G. Don ssp.

*hookeri* 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos hookeri* G. Don ssp. *montana*

(Eastw.) P.V. Wells 20850

V 20850 U.S. - California 20850

**E** *Arctostaphylos hookeri* G. Don ssp. *ravenii* P.

Wells 20850

**E** 20850 U.S. - California 20850

**E** *Arctostaphylos imbricata* Eastw. 20850

**E** 20850 U.S. - California 20850

**E** *Arctostaphylos imbricata* Eastw. ssp.

*imbricata* 20850

**I** 20850 U.S. - California 20850

**E** *Arctostaphylos imbricata* Eastw. ssp. *montaraensis*

(J.B. Roof) P.V. Wells 20850

**I** 20850 U.S. - California 20850

**V** *Arctostaphylos insularis* Greene ex Parry 20850

**I** 20850 U.S. - California 20850

**E** *Arctostaphylos klamathensis* S.W. Edwards, Keeler-Wolf &

W.Knight 20850

**E** 20850 U.S. - California 20850

**V** *Arctostaphylos luciana* P.V. Wells 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos manzanita* Parry ssp. *elegans*

(Eastw.) P.V. Wells 20850

V 20850 U.S. - California 20850

**V** *Arctostaphylos manzanita* Parry ssp. *laevigata*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Arctostaphylos*

(Eastw.) Munz 20850

- V 20850 U.S. - California 20850
- E** *Arctostaphylos mendocinoensis* P.V. Wells 20850  
E 20850 U.S. - California 20850
- V** *Arctostaphylos montereyensis* Hoover 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos morroensis* Wies. & Schreib. 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos myrtifolia* Parry 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos nisseniana* Merriam 20850  
V 20850 U.S. - California 20850
- R** *Arctostaphylos nummularia* Gray 20850  
I 20850 U.S. - California 20850
- R** *Arctostaphylos obispoensis* Eastw. 20850  
I 20850 U.S. - California 20850
- V** *Arctostaphylos otayensis* Wies. & Schreib. 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos pajaroensis* (J.E. Adams ex McMinn) J.E. Adams 20850  
V 20850 U.S. - California 20850
- E** *Arctostaphylos pallida* Eastw. 20850  
E 20850 U.S. - California 20850
- E** *Arctostaphylos pechoensis* (Dudley ex Abrams) Dudley ex Munz 20850  
E 20850 U.S. - California 20850
- V** *Arctostaphylos peninsularis* P.V. Wells 20850, 9684  
V 20850 U.S. - California 20850  
? Mexico 9684
- V** *Arctostaphylos pilosula* Jepson & Wies. ex Jepson 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos pilosula* Jepson & Wiesl. ssp. *pilosula* 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos pumila* Nutt. 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos purissima* P.V. Wells 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos refugioensis* Gankin 20850  
I 20850 U.S. - California 20850
- V** *Arctostaphylos regismontana* Eastw. 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos rudis* Jepson & Wies. ex Jepson 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos silvicola* Jepson & Wies. ex Jepson 20850  
V 20850 U.S. - California 20850
- R** *Arctostaphylos stanfordiana* Parry 20850  
I 20850 U.S. - California 20850
- V** *Arctostaphylos stanfordiana* Parry ssp. *raichei* W.Knight 20850  
V 20850 U.S. - California 20850
- E** *Arctostaphylos stanfordiana* Parry ssp. *stanfordiana* 20850  
E 20850 U.S. - California 20850
- R** *Arctostaphylos tomentosa* (Pursh) Lindl. 20850  
I 20850 U.S. - California 20850
- V** *Arctostaphylos tomentosa* (Pursh) Lindl. ssp. *eastwoodiana* P.V. Wells 20850  
V 20850 U.S. - California 20850
- R** *Arctostaphylos truei* W. Knight 20850  
R 20850 U.S. - California 20850
- V** *Arctostaphylos virgata* Eastw. 20850  
V 20850 U.S. - California 20850
- V** *Arctostaphylos wellsii* Knight 20850  
V 20850 U.S. - California 20850
- V** *Bejaria cubensis* Grisebach 20883  
V 20883 Cuba 20883
- V** *Bejaria imthurii* N.E. Brown 20883  
V 20883 Venezuela 20883
- R** *Bejaria infundibula* Clemants 20883  
R 20883 Peru 20883
- V** *Bejaria ledifolia* Bonpland 20883  
V 20883 Venezuela 20883
- V** *Bejaria nana* A.C. Smith & Ewan 20883  
V 20883 Colombia 20883  
V 20883 Venezuela 20883
- E** *Bejaria neblinensis* Maguire, Steyermark & Luteyn 20883  
E 20883 Venezuela 20883
- V** *Bejaria steyermarkii* A.C. Smith 20883  
V 20883 Venezuela 20883
- V** *Bejaria subsessilis* Bentham 20883  
V 20883 Ecuador 20883
- R** *Bejaria tachirensis* A.C. Smith 20883  
V 20883 Colombia 20883  
R 20883 Venezuela 20883
- V** *Bejaria zamorae* Clemants 20883  
V 20883 Ecuador 20883
- R** *Cassiope anadyrensis* Jurtz. 20085, 21309  
R 20085 Russia (Europe) - North 20085
- V** *Cassiope lycopodioides* (Pallas) D. Don var. *crispipilosa* (Calder & Taylor) Boivin 20850  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - Washington 20850
- V** *Cassiope lycopodioides* (Pallas) D. Don var. *lycopodioides* 20850  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - Alaska 20850
- E** *Cavendishia aberrans* Luteyn 20883, 9685  
I 20883 Panama 20883
- R** *Cavendishia adenophora* Mansfeld 20883, 9685  
R 19932 Colombia 20883
- E** *Cavendishia albopicata* Luteyn 20883  
I 20883 Colombia 20883
- R** *Cavendishia allenii* A.C. Sm. 20883, 9006  
I 20883 Panama 20883
- E** *Cavendishia amoena* A. C. Smith 20883, 9685  
R 19932 Colombia 20883
- E** *Cavendishia amplexa* Luteyn 20883, 9685  
R 19932 Colombia 20883
- R** *Cavendishia angustifolia* Mansfeld 9685  
R 19932 Colombia 9685
- E** *Cavendishia arizonensis* Luteyn 20883, 9685  
I 20883 Panama 20883
- V** *Cavendishia atrovioleacea* Luteyn 20883  
I 20883 Panama 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Cavendishia*

- V *Cavendishia atrovioleacea* Luteyn var. *atrovioleacea* 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- E *Cavendishia atrovioleacea* Luteyn var. *folsonii* Luteyn 20883, 9685  
 I 20883 Panama 20883
- E *Cavendishia aurantiaca* Luteyn 20883  
 I 20883 Colombia 20883
- E *Cavendishia barnebyi* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia bomareoides* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia calycina* A.C. Sm. 20883, 9685  
 I 20883 Panama 20883
- E *Cavendishia caudata* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia chiriquiensis* A.C. Sm. 20883  
 I 20883 Panama 20883
- E *Cavendishia chlamydantha* A. C. Smith 20883, 9685  
 R 19932 Colombia 20883
- E *Cavendishia chocoensis* A. C. Smith 20883  
 I 20883 Colombia 20883
- E *Cavendishia ciliata* Luteyn 20883, 9685  
 I 20883 Costa Rica 20883
- V *Cavendishia coccinea* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia colombiana* Luteyn 20883, 9685  
 R 19932 Colombia 20883
- R *Cavendishia compacta* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia confertiflora* A. C. Smith 20883, 9037  
 I 20883 Costa Rica 20883
- E *Cavendishia copeensis* Luteyn 20883, 9685  
 I 20883 Panama 20883
- E *Cavendishia corei* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia darienensis* Luteyn 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883
- E *Cavendishia dendrophila* A. C. Smith 20883  
 I 20883 Colombia 20883
- R *Cavendishia divaricata* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia dulcis* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia endresii* Hemsley 20883, 9037  
 I 20883 Costa Rica 20883
- R *Cavendishia engleriana* Hoerold 20883  
 I 20883 Colombia 20883  
 I 20883 Ecuador 20883
- V *Cavendishia engleriana* Hoerold var. *ecuadorensis* Luteyn 20883  
 I 20883 Ecuador 20883
- E *Cavendishia erythrostegia* Luteyn 20883, 9685  
 R 19932 Colombia 20883
- E *Cavendishia foreroi* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia fortunensis* Luteyn 20883, 9685  
 I 20883 Panama 20883
- V *Cavendishia fusiformis* Luteyn 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883
- E *Cavendishia gentryi* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia glandulosa* A. C. Smith 20883  
 I 20883 Colombia 20883
- E *Cavendishia grandifolia* Hoerold 20883  
 I 20883 Ecuador 20883
- E *Cavendishia grossa* Luteyn 20883  
 I 20883 Colombia 20883
- R *Cavendishia isernii* Sleumer 20883  
 I 20883 Ecuador 20883  
 I 20883 Peru 20883
- R *Cavendishia isernii* Sleumer var. *isernii* 20883  
 I 20883 Ecuador 20883  
 I 20883 Peru 20883
- V *Cavendishia isernii* Sleumer var. *pseudospicata* (Sleumer) Luteyn 20883  
 I 20883 Ecuador 20883
- E *Cavendishia lactiviscida* Luteyn 20883, 9685  
 I 20883 Costa Rica 20883
- E *Cavendishia lebroniae* Luteyn 20883  
 I 20883 Ecuador 20883
- E *Cavendishia leucantha* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- R *Cavendishia lindauiana* Hoerold 20883, 9685  
 I 20883 Panama 20883  
 I 20883 Colombia 20883
- V *Cavendishia longirachis* Luteyn 20883  
 I 20883 Colombia 20883
- V *Cavendishia macrocephala* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia mariae* Luteyn 20883  
 I 20883 Ecuador 20883
- V *Cavendishia megabracteata* Luteyn 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883
- E *Cavendishia megabracteata* Luteyn var. *attenuata* Luteyn 20883, 9006  
 I 20883 Panama 20883
- V *Cavendishia megabracteata* var. *megabracteata* 20883, 9006  
 I 20883 Panama 20883
- R *Cavendishia melastomoides* (Kl.) Hemsli. 20883  
 I 20883 Panama 20883
- V *Cavendishia melastomoides* Luteyn var. *albiflora* Luteyn 20883, 9037  
 I 20883 Costa Rica 20883
- E *Cavendishia melastomoides* Luteyn var. *coloradensis* Luteyn 20883, 9685  
 I 20883 Panama 20883
- R *Cavendishia melastomoides* var. *melastomoides* 20883, 9685  
 I 20883 Costa Rica 20883
- E *Cavendishia morii* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia neblinae* Maguire, Steyermark &

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Cavendishia*

- Luteyn 20883  
 I 20883 Venezuela 20883
- V *Cavendishia nitens* Sleumer 20883, 9685  
 R 19932 Colombia 20883
- V *Cavendishia nobilis* var. *capitata* (Bentham)  
 Luteyn 20883  
 I 20883 Ecuador 20883
- R *Cavendishia nobilis* var. *nobilis* 20883  
 I 20883 Peru 20883
- V *Cavendishia oligantha* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia orthosepala* A. C. Smith 20883  
 I 20883 Ecuador 20883
- V *Cavendishia palustris* A. C. Smith 20883, 9685  
 I 19353 Colombia 20883
- V *Cavendishia panamensis* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia pedicellata* Luteyn 20883, 9685  
 I 19353 Colombia 20883
- E *Cavendishia pilobractea* Luteyn 20883, 9685  
 R 19932 Colombia 20883
- E *Cavendishia pilosa* Luteyn 20883  
 I 20883 Colombia 20883
- V *Cavendishia porphyrea* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- R *Cavendishia pseudopedunculata* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia pseudostenophylla* Luteyn 20883, 9685  
 I 20883 Panama 20883
- R *Cavendishia punctata* (Ruiz & Pavón ex Jaime Saint-Hilaire)  
 Sleumer 20883  
 I 20883 Peru 20883
- R *Cavendishia quercina* A.C. Sm. 20883  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- E *Cavendishia revoluta* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia rhyrachophylla* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia ruiz-teranii* Luteyn 20883  
 I 20883 Venezuela 20883
- E *Cavendishia santafeensis* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia sirensis* Luteyn 20883  
 I 20883 Peru 20883
- E *Cavendishia sophoclesioides* A. C. Smith 20883  
 I 20883 Colombia 20883
- R *Cavendishia speciosa* A. C. Smith 20883  
 I 20883 Colombia 20883
- E *Cavendishia spicata* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia stenophylla* A.C. Sm. 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia subamplexicaulis* A. C. Smith 20883  
 I 20883 Colombia 20883
- V *Cavendishia subfasciculata* Luteyn 20883, 9006  
 I 20883 Panama 20883
- E *Cavendishia talamancensis* Luteyn 20883, 9685
- R 9685 Costa Rica 20883
- R *Cavendishia tarapotana* var. *gilgiana* (Hoerold)  
 Luteyn 20883  
 I 20883 Colombia 20883  
 I 20883 Ecuador 20883
- R *Cavendishia tenella* A. C. Smith 20883, 9685  
 R 19932 Colombia 20883
- E *Cavendishia trujilloensis* Luteyn 20883  
 I 20883 Venezuela 20883
- V *Cavendishia tryphera* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia uniflora* Luteyn 20883  
 I 20883 Colombia 20883
- V *Cavendishia urophylla* A. C. Smith 20883, 9685  
 V 19932 Colombia 20883
- E *Cavendishia vinacea* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia violacea* Luteyn 20883, 9685  
 V 19932 Colombia 20883
- V *Cavendishia wercklei* Hoerold 20883, 9037  
 I 20883 Costa Rica 20883
- V *Cavendishia zamorensis* A. C. Smith 20883  
 I 20883 Ecuador 20883
- R *Cheilothecha humilis* (Don) Keng var. *glaberrima*  
 (Don) Keng 20511  
 R 20511 Taiwan 20511
- R *Chimaphila umbellata* (L.) Bart ssp. *domingensis*  
 Linnaeus 20883  
 R 20883 Dominica 20883
- I *Coilostigma zeyherianum* Klotzsch var. *tenufolium*  
 (Klotzsch) E.G.H.Oliv. 20604  
 I 20604 South Africa - Cape Province 20604
- R *Comarostaphylis arbutoides* ssp. *costaricensis* (Small)  
 Diggs 20883  
 R 20883 Costa Rica 20883
- E *Comarostaphylis discolor* ssp. *macughii* Diggs,  
 Bull. 20883  
 E 20883 Mexico 20883
- R *Comarostaphylis discolor* ssp. *manantlanensis* Diggs,  
 Bull. 20883  
 R 20883 Mexico 20883
- R *Comarostaphylis discolor* ssp. *rupestris* (Hooker)  
 Diggs 20883  
 R 20883 Mexico 20883
- R *Comarostaphylis diversifolia* (Parry) Greene 20850  
 I 20850 U.S. - California 20850
- V *Comarostaphylis diversifolia* (Parry) Greene ssp.  
*diversifolia* 20850  
 V 20850 U.S. - California 20850
- V *Comarostaphylis lanata* Small 20883  
 V 20883 Mexico 20883
- R *Comarostaphylis mucronata* Klotzsch 20883  
 R 20883 Mexico 20883
- R *Comarostaphylis polifolia* ssp. *coahuilensis* (Kunth)  
 Zuccarini ex Klotzsch 20883  
 R 20883 Mexico 20883
- R *Comarostaphylis polifolia* ssp. *minor* (Kunth)  
 Zuccarini ex Klotzsch 20883  
 R 20883 Mexico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Comarostaphylis*

- V** *Comarostaphylis sharpii* Dorr & Diggs 20883  
**V** 20883 Mexico 20883
- R** *Comarostaphylis spinulosa* (Martens & Galeotti) Diggs 20883  
**R** 20883 Mexico 20883
- R** *Comarostaphylis spinulosa* ssp. *glandulifera* (Martens & Galeotti) Diggs 20883  
**R** 20883 Mexico 20883
- R** *Daboecia azorica* Tutin & E.F.Warb. 20171  
**R** 19174 Portugal - Azores 19174
- E** *Didonica panamensis* Luteyn & Wilbur 20883, 10747  
**I** 20883 Panama 20883
- E** *Didonica pendula* Luteyn & Wilbur 20883, 9006  
**I** 20883 Panama 20883
- R** *Diplycosia ensifolia* Merr. 7730  
**R** Malaysia - Sabah (Mt Kinabalu) 7730
- I** *Diplycosia epiphytica* Fletcher 19120  
**I** 19120 Thailand 19120
- R** *Diplycosia sphenophylla* Sleumer 7730  
**R** Malaysia - Sabah (Mt Kinabalu) 7730
- V** *Disterigma luteynii* Wilbur 20883, 9006  
**I** 20883 Panama 20883
- E** *Disterigma panamense* Standl. 20883, 9006  
**I** 20883 Panama 20883
- E** *Disterigma trimerum* Wilbur & Luteyn 20883, 9006  
**I** 20883 Panama 20883
- I** *Disterigma ulei* Sleumer 18200  
**I** 9446 Peru 18200
- R** *Disterigma utleyorum* Wilbur & Luteyn 20883, 9688  
**V** 19932 Costa Rica 20883  
**V** 19932 Panama 20883  
**V** 19932 Colombia 9006  
**V** 19932 Ecuador 9006
- V** *Elliottia racemosa* Muhl. ex Ell. 20850  
**I** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**Ex/E** 20850 U.S. - South Carolina 20850
- R** *Empedoclesia stipitata* Luteyn 9686  
**R** 19755 Mexico 9686
- R** *Enkianthus campanulatus* (Miq.) Nichols var. *longilobus* (Nakai) Makino 10573  
**R** 10573 Japan 10573
- R** *Enkianthus perulatus* Schneid. var. *taiwanianus* (Ying) Y.C.Liu 20511  
**R** 20511 Taiwan 20511
- R** *Enkianthus ruber* Dop 6057  
**R** Vietnam 6057
- R** *Eremia brevifolia* Benth. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Eremiella outeniquae* Compton 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Erica abbottii* E.G.H.Oliv. 20604  
**V** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Natal 20604
- V** *Erica abelii* E.G.H.Oliv. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica abietina* L. var. *echiiflora* (andrews)dulfer 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Erica aghillana* Guthrie & Bolus var. *aghillana* 20604  
**V** 20604 South Africa - Cape Province 20604
- Ex** *Erica alexandri* Guthrie & Bolus ssp. *acockii* (Compton) E.G.H.Oliv. 20604  
**Ex** 20604 South Africa - Cape Province 20604
- E** *Erica alexandri* Guthrie & Bolus ssp. *alexandri* 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Erica alfredii* Guthrie & Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica amoena* J.C.Wendl. 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Erica andevalensis* Cabezedo & Rivera 19818  
**E** 19818 Spain (Andévalo) 19818
- V** *Erica aneimensa* Dulfer 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica annectens* Guthrie & Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica anomala* Hilliard & B.L.Burtl 20604  
**R** 20604 South Africa - Natal 20604
- E** *Erica atrovinosa* E.G.H.Oliv. 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Erica bakeri* Salter 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Erica barrydalensis* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Erica bauera* Andrews 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica beatricis* Compton 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica blanchiana* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica blesbergensis* H.A.Baker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica bocquetii* (H. Pesmen) P.F. Stevens 12840  
**R** 20618 Turkey 20618
- E** *Erica bolusiae* Salter 20604, 3774  
**E** 20604 South Africa - Cape Province 20604
- I** *Erica brachycentra* Benth. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Erica brachysepala* Guthrie & Bolus 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica caledonica* A.Spreng. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica capensis* Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica capitata* L. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Erica casta* Guthrie & Bolus var. *casta* 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Erica caterviflora* Salisb. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Erica chlorosepala* Benth. 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Erica chrysocodon* Guthrie & Bolus 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Erica clavisepala* Guthrie & Bolus 20604  
**R** 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Erica*

- R** *Erica comptonii* Salter 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica cremea* Dulfer 20604  
R 20604 South Africa - Cape Province 20604
- E** *Erica crucistigmatica* Dulfer 20604  
E 20604 South Africa - Cape Province 20604
- V** *Erica cyrillaeflora* Salisb. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica diotiflora* Salisb. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Erica dysantha* Benth. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Erica eburnea* Salter 20604  
R 20604 South Africa - Cape Province 20604
- E** *Erica fairii* Bolus 20604  
E 20604 South Africa - Cape Province 20604
- V** *Erica ferrea* P.J.Bergius 20604  
V 20604 South Africa - Cape Province 20604
- I** *Erica flanaganii* Bolus 20604  
I 20604 South Africa - Natal 20604
- R** *Erica fontana* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica galgebergensis* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- I** *Erica gossypoides* E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Erica gracilipes* Guthrie & Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R** *Erica granulatifolia* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- E** *Erica heleogena* Salter 20604  
E 20604 South Africa - Cape Province 20604
- R** *Erica hendricksei* H.A.Baker var. *hendricksei* 20604  
R 20604 South Africa - Cape Province 20604
- V** *Erica hibbertia* Andrews 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica hillburttii* (E.G.H.Oliv.) E.G.H.Oliv. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica hippurus* Compton 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica holtii* Schweick. 20604, 5914  
R 5914 Swaziland 5914  
R 20604 South Africa - Natal 20604  
R 20604 South Africa - Transvaal 20604
- R** *Erica inordinata* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica insignis* E.G.H.Oliv. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica insolitanthera* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica intricata* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- Ex** *Erica ixanthera* Benth. 20604  
Ex 20604 South Africa - Cape Province 20604
- E** *Erica jasminiflora* Salisb. 20604, 6180  
E 20604 South Africa - Cape Province 20604
- E** *Erica junonia* Bolus var. *junonia* 20604  
E 20604 South Africa - Cape Province 20604
- R** *Erica keeromsbergensis* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- I** *Erica lagenaeformis* Salisb. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Erica lanceolifera* S. Moore 7754  
R Zimbabwe (Chimanimani Mts.) 7754
- V** *Erica lerouxiae* Bolus 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica leucosiphon* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- V** *Erica limosa* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica lowryensis* Bolus var. *lowryensis* 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica maderensis* (DC.) Bornum.  
R Portugal - Madeira
- E** *Erica margaritacea* Sol. 20604  
E 20604 South Africa - Cape Province 20604
- R** *Erica marifolia* Sol. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica milanjiana* Bolus 7757  
R Malawi (Mt. Mulanje) 7757
- R** *Erica nana* Salisb. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica nematophylla* Guthrie & Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica oblongiflora* Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica occulta* E.G.H.Oliv. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Erica oligantha* Guthrie & Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R** *Erica oophylla* Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica ostiaria* Compton 20604  
R 20604 South Africa - Cape Province 20604
- V** *Erica paludicola* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica parvulisepala* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- I** *Erica passerinoides* (Bolus) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Erica patersonia* Andrews 20604  
R 20604 South Africa - Cape Province 20604
- R** *Erica pauciovulata* H.A.Baker 20604  
R 20604 South Africa - Cape Province 20604
- E** *Erica physantha* Benth. 20604  
E 20604 South Africa - Cape Province 20604
- V** *Erica pillansii* Bolus 20604  
V Southern Africa  
V 20604 South Africa - Cape Province 20604
- E** *Erica pilulifera* L. 20604  
E 20604 South Africa - Cape Province 20604
- V** *Erica porteri* Compton 20604  
V 20604 South Africa - Cape Province 20604
- R** *Erica propendens* Andrews 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Erica*

- R** *Erica pulvinata* Guthrie & Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Erica purgatoriensis* H.A.Baker 20604  
**V** 20604 South Africa - Cape Province 20604
- Ex** *Erica pyramidalis* Sol. 20604, 6180  
**Ex** 20604 South Africa - Cape Province 20604
- V** *Erica quadrisulcata* L.Bolus 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Erica regia* Bartl. var. *variegata*  
**Bolus** 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica revoluta* (Bolus) L.E.Davidson 20604, 17458  
**R** 20604 Swaziland 20604  
**V** 20604 South Africa - Natal 20604  
**R** 20604 South Africa - Transvaal 20604
- E** *Erica rhodopis* Bolus 20604  
**E** 20604 South Africa - Cape Province 20604
- I** *Erica riparia* H.A.Baker 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Erica rivularis* L.E.Davidson 20604, 17458  
**I** 20604 South Africa - Transvaal 20604
- E** *Erica sacciflora* Salisb. 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Erica scoparia* L. ssp. *azorica* (Hochst.) D.A. Webb 8000, 20171  
**V** Portugal - Azores 8000
- V** *Erica scoparia* L. ssp. *platycodon* A. Hansen & Kunkel  
**V** Spain - Canary Is.
- R** *Erica shannonea* Andrews 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Erica sociorum* L.Bolus 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Erica sonora* Compton 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica subverticillaris* Diels ex Guthrie & Bolus 20604, 17458  
**R** 20604 South Africa - Transvaal 20604
- V** *Erica swaziensis* E.G.H.Oliv. 20604, 18023  
**V** 20604 Swaziland 20604
- R** *Erica toringbergensis* H.A.Baker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica trimera* (Engl.) Beentje ssp. *elgonensis* (Mildbr.) Beentje 20057  
**R** 20057 Kenya 20057
- R** *Erica trimera* (Engl.) Beentje ssp. *keniensis* (S. Moore) Beentje 20057  
**R** 20057 Kenya 20057
- I** *Erica turbiniflora* Salisb var. *turbiniflora* 20604  
**I** 20604 South Africa - Cape Province 20604
- Ex** *Erica turgida* Salisb. 20604, 6180  
**Ex** 20604 South Africa - Cape Province 20604
- R** *Erica urna-viridis* Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Erica ustulescens* Guthrie & Bolus 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Erica uysii* H.A.Baker 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Erica valida* H.A.Baker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Erica vallis-aranearum* E.G.H.Oliv. 20604  
**R** 20604 South Africa - Cape Province 20604
- Ex** *Erica velitaris* Salisb. 20604  
**Ex** 20604 South Africa - Cape Province 20604
- Ex** *Erica verticillata* P.J.Bergius 20604, 6180, 20171  
**Ex** 20604 South Africa - Cape Province 20604
- R** *Erica vestiflua* Salisb. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Erica vogelpoelii* H.A.Baker 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Erica wyliei* Bolus 20604  
**R** 20604 South Africa - Natal 20604
- R** *Erica zitikammensis* Dulfer 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Gaultheria alnifolia* var. *grata* (A. C. Smith) Luteyn 20883  
**I** 20883 Colombia 20883
- V** *Gaultheria angustifolia* T.S.Brandoegee 20883  
**V** 20883 Mexico 20883
- V** *Gaultheria bradeana* Sleumer 20883  
**V** 20883 Brazil 20883
- E** *Gaultheria buxifolia* var. *elassantha* (A. C. Smith) Luteyn 20883  
**E** 20883 Colombia 20883
- R** *Gaultheria buxifolia* var. *secunda* (E. J. Remy) Luteyn 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Peru 20883
- E** *Gaultheria chiriquensis* Camp 20883  
**E** 20883 Panama 20883
- R** *Gaultheria domingensis* Urban 20883  
**V** 20883 Dominican Republic 20883
- R** *Gaultheria erecta* Ventenat 18200  
**R** 9446 Peru 18200
- E** *Gaultheria eriophylla* var. *mucronata* (E. J. Remy) Luteyn 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Peru 20883  
**I** 20883 Venezuela 20883
- R** *Gaultheria glaucifolia* Hemsley 20883  
**R** 20883 Mexico 20883
- R** *Gaultheria glaucifolia* Hemsley var. *rosei* (Small) Luteyn 20883  
**R** 20883 Mexico 20883
- V** *Gaultheria howellii* (Sleumer) Middleton 19090  
**V** 11117 Ecuador - Galapagos (V. Sierra Negra; Santa Cruz) 11117
- R** *Gaultheria itatiaiae* Wawra 20883  
**R** 20883 Brazil 20883
- R** *Gaultheria lanceolata* Hook.f. 20681, 19090  
**R** 19090 Australia - Tasmania 19090
- E** *Gaultheria lanigera* var. *rufolanata* (Sleumer) Luteyn 20883  
**E** 20883 Colombia 20883
- R** *Gaultheria marginata* (N.E. Brown) Middleton 19090  
**R** 19090 Venezuela 19090
- R** *Gaultheria megalodonta* A.C.Smith 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Gaultheria*

- V 20883 Ecuador 20883  
V 20883 Peru 20883
- E** *Gaultheria oreogena* A.C.Smith 20883  
E 20883 Colombia 20883
- R** *Gaultheria purpurascens* HBK 19090  
R 19090 Colombia 19090
- V** *Gaultheria santanderensis* A.C.Smith 20883  
V 20883 Colombia 20883
- R** *Gaultheria schultesii* Camp 20883  
R 20883 Mexico 20883
- V** *Gaultheria sclerophylla* Cuatrecasas 20883  
I 20883 20883  
I 20883 Ecuador 20883
- E** *Gaultheria sclerophylla* Cuatrecasas var. *hirsuta*  
Luteyn 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883  
I 20883 Venezuela 20883
- R** *Gaultheria serrata* (Vell. Conc.) Sleumer ex  
Kinoshita-Gouvea 20883  
I 20883 Brazil 20883
- R** *Gaultheria serrata* (Vellozo) Sleumer var. *organensis*  
(Meisner) Luteyn 20883  
R 20883 Brazil 20883
- V** *Gaultheria setulosa* N.E.Brown 20883  
V 20883 Venezuela 20883
- V** *Gaultheria sleumeriana* Kinoshita-Gouvea 20883  
V 20883 Brazil 20883
- R** *Gaultheria strigosa* var. *revoluta* (A. C. Smith)  
Luteyn 20883  
I 20883 Colombia 20883  
R 20883 Ecuador 20883
- I** *Gaultheria swartzii* R.A. Howard 19401  
I 19401 Guadeloupe (La Soufrière) 19401
- E** *Gaultheria ulei* Sleumer 20883  
E 20883 Brazil 20883
- V** *Gaultheria viridicarpa* J.B.Williams ms. ssp.  
*merinoensis* J.B.Williams ms. 20681  
V 20681 Australia - New South Wales 20681
- V** *Gaultheria viridicarpa* J.B.Williams ms. ssp.  
*viridicarpa* 20681  
V 20681 Australia - New South Wales 20681
- R** *Gaylussacia brachycera* (Michx.) Gray 20850  
E 20850 U.S. - Delaware 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - Pennsylvania 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Virginia 20850  
V 20850 U.S. - West Virginia 20850
- V** *Gonocalyx concolor* Nevl. 20883, 8058  
I 20883 Puerto Rico 20883
- I** *Grisebachia ciliaris* (L.f.) Klotzsch ssp. *bolusii*  
(N.E.Br.) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia ciliaris* (L.f.) Klotzsch ssp. *involuta*  
(Klotzsch) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia incana* (Bartl.) Klotzsch 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia minutiflora* N.E.Br. ssp. *nodiflora*  
(N.E.Br.) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia nivenii* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia plumosa* Klotzsch ssp. *eciliata*  
E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia plumosa* Klotzsch ssp. *hirta* (Klotzsch)  
E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia plumosa* Klotzsch ssp. *hispidula*  
(Klotzsch) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Grisebachia plumosa* Klotzsch ssp. *irrorata*  
(Klotzsch) E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- V** *Grisebachia rigida* N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604
- I** *Grisebachia secundiflora* E.G.H.Oliv. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Kalmia cuneata* Michx. 20850, 15658  
V 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850
- V** *Kalmia ericoides* Wright ex Grisebach 20883  
V 20883 Cuba 20883
- V** *Kalmia ericoides* Wright ex Grisebach ssp. *aggregata*  
Wright ex Grisebach 20883  
V 20883 Cuba 20883
- V** *Kalmiella aggregata* Small  
V 19105 Cuba (Juventud Is.) 5607
- V** *Kalmiella ericoides* C. Wright  
V 19105 Cuba (Pinal del Rio; I. Juventud) 5607
- E** *Kalmiella simulata* Britton & P. Wilson 5607  
E 19105 Cuba (Juventud Is.) 5607
- E** *Lateropora ovata* A.C. Sm. 20883, 9006  
R 21224 Costa Rica 21224  
R 21224 Panama 20883
- E** *Lateropora santafeensis* Wilbur & Luteyn 20883, 9006  
I 20883 Panama 20883
- E** *Lateropora tubulifera* Wilbur & Luteyn 20883, 10747  
I 20883 Panama 20883
- R** *Ledodendron vanhoefeni* (Abromeit) Dalgard &  
Fredskild 21309  
R 21309 Denmark - Greenland 21309
- R** *Ledothamnus atroadenus* Maguire, Steyermark &  
Luteyn 20883  
R 20883 Venezuela 20883
- R** *Ledothamnus decumbens* Maguire, Steyermark &  
Luteyn 20883  
R 20883 Venezuela 20883
- E** *Ledothamnus juaensis* Maguire, Steyermark &  
Luteyn 20883  
E 20883 Venezuela 20883
- R** *Ledothamnus luteus* Maguire, Steyermark &  
Luteyn 20883  
R 20883 Venezuela 20883
- E** *Ledothamnus parviflorus* Gleason 20883  
E 20883 Venezuela 20883
- R** *Ledothamnus sessiliflorus* N.E.Brown 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Ledothamnus*

- R 20883 Venezuela 20883
- R *Leucothoe tonkinensis* Dop 6057  
R Vietnam 6057
- R *Lyonia affinis* (A. Rich) Urban 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V *Lyonia alainii* Judd 20883  
V 20883 Dominican Republic 20883
- E *Lyonia alpina* Urban & Ekman 20883  
E 20883 Haiti 20883
- R *Lyonia buchii* Urban 20883  
R 20883 Dominican Republic 20883
- R *Lyonia chapaensis* (Dop) Merr. 6057  
R Vietnam 6057
- E *Lyonia clementis* Acuna & Roig 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- E *Lyonia ekmanii* Urban 20883  
E 20883 Cuba 20883
- V *Lyonia elliptica* (C. Wright ex Small) Alain 20883  
V 20883 Cuba 20883
- R *Lyonia glandulosa* (A. Richard) 20883  
R 20883 Cuba 20883
- R *Lyonia glandulosa* (A. Rich.) var. *revolutifolia*  
Judd 20883  
R 20883 Cuba 20883
- R *Lyonia glandulosa* (A. Rich.) Griseb. var. *toaensis*  
(Acuna & Roig) R. Berazain 11840  
V 20883 Cuba (Guantanamo) 20883
- R *Lyonia heptamera* Urban 20883  
R 20883 Dominican Republic 20883
- R *Lyonia jamaicensis* (Sw.) D. Don 20883  
R 20883 Jamaica 20883
- V *Lyonia latifolia* (A. Richard) Grisebach 20883  
V 20883 Cuba 20883
- R *Lyonia latifolia* (A. Rich.) Griseb. ssp. *calycosa*  
(Small) Borh. 11840  
V 20883 Cuba 11840
- R *Lyonia latifolia* (A. Rich.) Griseb. ssp.  
*latifolia* 11840  
R 19105 Cuba (SC; Gu) 11840
- E *Lyonia leonis* Acuna & Roig 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- E *Lyonia longipes* Urban 20883  
E 20883 Cuba 20883
- R *Lyonia macrophylla* (Britton) Ekman ex Urban 20883  
R 20883 Cuba 20883
- E *Lyonia maestrensis* Acuna & Roig 20883  
E 20883 Cuba (Granma) 5607
- R *Lyonia microcarpa* Urban & Ekman 20883  
R 20883 Dominica 20883
- R *Lyonia montecristina* Urban & Ekman 20883  
R 20883 Dominican Republic 20883  
V 20883 Haiti 20883
- R *Lyonia myrtilloides* Grisebach 20883  
R 20883 Cuba 20883
- R *Lyonia nipensis* Urban 20883  
R 20883 Cuba 20883
- V *Lyonia nipensis* Urban var. *depressinerva*  
Judd 20883
- V 20883 Cuba 20883
- R *Lyonia obtusa* Grisebach 20883  
R 20883 Cuba 20883
- R *Lyonia octandra* (Sw.) Griseb. 20883  
R 20883 Jamaica 20883
- R *Lyonia stahlia* Urban 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883  
I 20883 Puerto Rico 20883
- R *Lyonia stahlia* Urban var. *costata* (Persoon)  
G. Don 20883  
R 20883 Dominica 20883  
R 20883 Haiti 20883
- R *Lyonia tinenis* Urban 20883  
R 20883 Dominica 20883
- V *Lyonia trinidadensis* Judd 20883  
V 20883 Cuba 20883
- R *Lyonia truncata* Urban 20883  
V 20883 Dominican Republic 20883  
V 20883 Haiti 20883  
I 20883 Puerto Rico 20883
- E *Lyonia truncata* Urban var. *proctorii*  
Judd 20883  
I 20883 Puerto Rico 20883
- R *Lyonia tueckheimii* Urban 20883  
R 20883 Dominican Republic 20883  
E 20883 Haiti 20883
- V *Lyonia urbaniana* (Sleumer) Jimenez 20883  
V 20883 Dominican Republic 20883
- E *Lysiclesia panamensis* Luteyn & Wilbur 20883, 9006  
I 20883 Panama 20883
- V *Macleania epiphytica* A.C. Sm. 20883, 9006  
I 20883 Panama 20883
- E *Macleania megabraceolata* Wilbur & Luteyn 20883,  
10747  
I 20883 Panama 20883
- V *Macleania subracemosa* L.O. Williams 9687  
V 1967 Nicaragua 9687
- E *Macleania talamancensis* Wilbur & Luteyn 20883, 9688  
I 20883 Costa Rica 20883
- R *Menziesia goyozanensis* Kikuchi 10573  
R 10573 Japan 10573
- R *Menziesia yakushimensis* Tash. & Hatta 10573  
R 10573 Japan 10573
- R *Monotropis odorata* Schwein. ex Ell. 20850  
I 20850 U.S. - Alabama 20850  
Ex/E 20850 U.S. - Delaware 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Maryland 20850  
V 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Virginia 20850  
Ex/E 20850 U.S. - West Virginia 20850
- R *Nuihonia sclerantha* Dop 6057  
R Vietnam 6057
- E *Orthaea ferreyrae* A.C. Smith 18200  
E 9446 Peru 18200
- R *Philippia abietina* (Willd.) Klotzsch 10082  
R 20771 Mauritius 10082

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Philippia*

- R** *Philippia brachyphylla* Benth. 10082  
**R** 10082 Mauritius 10082
- I** *Philippia mafiensis* Engl. 5926  
**I** 5926 Tanzania (Mafia Is.) 5926
- R** *Pieris cubensis* (Grisebach) Small 20883  
**R** 20883 Cuba 20883
- E** *Pieris japonica* (Thunb.) D. Don var. *koidzumiana* (Ohwi) Masam. 10573  
**E** 10573 Japan 10573
- R** *Pieris phillyreifolia* (Hook.) DC. 20850  
**V** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**R** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Mississippi 20850  
**I** 20850 U.S. - South Carolina 20850  
**I** 20883 Mexico 20883
- V** *Platycalyx pumila* N.E.Br. 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Psammisia darienensis* Luteyn & Wilbur 20883, 9006  
**I** 20883 Panama 20883
- V** *Psammisia panamensis* A.C. Sm. 20883, 9006  
**I** 20883 Panama 20883
- R** *Rhododendron abietifolium* Sleumer 7730  
**R** Malaysia - Sabah (Mt Kinabalu) 7730
- R** *Rhododendron amagianum* Makino 10573  
**R** 10573 Japan 10573
- R** *Rhododendron baconii* Argent, Lamb & Philipps 8941  
**R** Malaysia - Sabah (Mt Tambuyukon, Kinabalu P.) 8941
- E** *Rhododendron boninense* Tuy. 8038  
**E** 19134 Japan - Ogasawara-shoto (Chichijima) 8038
- R** *Rhododendron breviperulatum* Hayata 20511  
**R** 20854 Taiwan 20511
- E** *Rhododendron chapmanii* Gray 20850, 17890  
**E** 20850 U.S. - Florida 20850
- V** *Rhododendron chrysanthum* Pallas 17617  
**V** 17617 China - Heilongjiang 11139  
**V** 17617 China - Jilin 11139  
**V** 17617 China - Liaoning 11139
- E** *Rhododendron concinnoides* Hutch. & Ward 14732  
**E** 14732 India - Arunachal Pradesh 14732
- V** *Rhododendron cowanianum* Davidian 7731  
**V** Nepal (central) 7731
- R** *Rhododendron cumberlandense* E.L. Braun 20850  
**I** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**R** 20850 U.S. - Tennessee 20850  
**R** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Rhododendron cyanocarpum* (Franchet) W. Smith 17617  
**V** 17617 China - Sichuan (Muli) 11139  
**V** 17617 China - Yunnan (Dalidianchangshan) 11139
- I** *Rhododendron dalhousiae* Hook.f. var. *rhabdotum* (Balf.f. & Cooper) Cullen 3060  
**I** China 7771  
**I** Bhutan 3060  
**I** India - Arunachal Pradesh 3060
- R** *Rhododendron degronianum* Carr. var. *kyomaruense* (Yamaz.) Hara 10573  
**R** 10573 Japan 10573
- R** *Rhododendron degronianum* Carr. ssp. *yakushmanum* (Nakai) Hara 10573  
**R** 10573 Japan 10573
- V** *Rhododendron dilatatum* Miq. var. *satsumaense* Yamaz. 10573  
**V** 10573 Japan 10573
- I** *Rhododendron elliotii* Watt 10260  
**I** 14732 India - Manipur 14732  
**I** 14732 India - Nagaland 14732
- R** *Rhododendron eriocarpum* (Hayata) Nakai 10573  
**R** 10573 Japan 10573
- V** *Rhododendron ficolacteum* Balf.f. 17617  
**V** 17617 China - Sichuan (Muli) 11139  
**V** 17617 China - Yunnan 11139
- R** *Rhododendron flammum* (Michx.) Sarg. 20850  
**R** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - South Carolina 20850
- R** *Rhododendron fleuryi* Dop 6057  
**R** Vietnam 6057
- V** *Rhododendron formosum* Wall. 14732  
**V** 14732 India - Arunachal Pradesh 14732  
**V** 14732 India - Manipur 14732  
**V** 14732 India - Meghalaya 14732  
**V** 14732 India - Nagaland 14732
- R** *Rhododendron haematodes* Franchet 17617  
**V** 17617 China - Yunnan (Dalidianchangshan) 11139  
**R** 14068 Malaysia - Sabah 14068
- E** *Rhododendron hyperythrum* Hayata  
**E** Taiwan
- I** *Rhododendron johnstoneanum* Watt ex Hutch.  
**I** India - Manipur  
**I** India - Mizoram
- V** *Rhododendron jucundum* Balf.f. & W. Smith 17617  
**V** 17617 China - Yunnan (Dalidianchangshan) 11139
- E** *Rhododendron kanehirai* E. Wilson 20511  
**E** 20854 Taiwan 20511
- V** *Rhododendron kawakamii* Hayata  
**V** Taiwan
- R** *Rhododendron keiskei* Miq. var. *hypoglaucum* Suto & Suzuki 10573  
**R** 10573 Japan 10573
- R** *Rhododendron komiyamae* Makino 10573  
**R** 10573 Japan 10573
- R** *Rhododendron lochiaie* F.Muell. 20681, 10260  
**R** 20681 Australia - Queensland 20681
- R** *Rhododendron longiperulatum* Hayata  
**R** Taiwan (Tatun Range)
- R** *Rhododendron lowndesii* Davidian 7731  
**R** Nepal 7731
- R** *Rhododendron macabeum* Watt ex Balf. f. 14732  
**R** 14732 India - Manipur 14732  
**R** 14732 India - Nagaland 14732
- R** *Rhododendron makinoidi* Tagg 10573  
**R** 10573 Japan 10573
- R** *Rhododendron maxwellii* Gibbs 7730  
**R** Malaysia - Sabah (Mt Kinabalu) 7730
- R** *Rhododendron mayebarae* Nakai & Hara 10573  
**R** 10573 Japan 10573



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Rhododendron*

- R** *Rhododendron meijeri* Argent, Lamb & Phillipps 8941  
**R** Malaysia - Sabah (Mt Tambuyukon, Kinabalu P.) 8941
- Ex** *Rhododendron mucronulatum* Turcz. var. *albiflora* Nakai  
**Ex** Korea, South (Mt Kwanak)
- R** *Rhododendron nakaharai* Hayata  
**R** 20854 Taiwan (Tatun Range) 20854
- R** *Rhododendron nudipes* Nakai var. *kirishimense* Yamaz. 10573  
**R** 10573 Japan 10573
- R** *Rhododendron osuzuyamense* Yamaz. 10573  
**R** 10573 Japan 10573
- R** *Rhododendron pentaphyllum* Maxim. var. *villosum* Koidz. 10573  
**R** 10573 Japan 10573
- R** *Rhododendron ponticum* L. ssp. *baeticum* (Boiss. & Reuter) Hand.-Mazz. 20171  
**E** 20076 Portugal 20076  
**R** 20660 Spain (Cádiz, Sierra del Algibe) 5403
- E** *Rhododendron protistum* I.B. Balf. & Forrest var. *giganteum* (Forrest & Tagg) Chamberlain 17617  
**E** 17617 China - Yunnan (Tengchong) 11139
- R** *Rhododendron prunifolium* (Small) Millais 20850  
**V** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Georgia 20850
- I** *Rhododendron redowskianum* Maxim. 5942  
**I** 5942 Russia (Far East) - Amur 5942  
**I** 5942 Russia (Far East) - Magadan 5942  
**I** 5942 Russia (Far East) - Primorye 5942  
**I** 5942 Russia (Far East) - Sakhalin 5942  
**I** 5942 Russia (Siberia) - Yakutya 5942  
**V** China - Jilin (Changbaishan) 11139
- R** *Rhododendron sanctum* Nakai var. *lasiogynum* Nakai 10573  
**R** 10573 Japan 10573
- R** *Rhododendron sanctum* Nakai var. *sanctum* 10573  
**R** 10573 Japan 10573
- E** *Rhododendron santapau* Sastry et al. 14732  
**E** 14732 India - Arunachal Pradesh 14732
- V** *Rhododendron scabrum* G. Don 10573  
**V** 10573 Japan 10573
- I** *Rhododendron sichotense* Pojark. 5942
- R** *Rhododendron sikayotaizanense* Masam.  
**R** 20854 Taiwan (Mt Sikayotaihan, C. Ranges) 20854
- E** *Rhododendron subansiriense* Chamberlain 14732  
**E** 14732 India - Arunachal Pradesh 14732
- V** *Rhododendron sulfureum* Franch. 17617  
**V** 17617 China - Yunnan (Diancang & Biluo Mts.) 17617
- R** *Rhododendron taxifolium* 19011  
**R** 19011 Philippines (northern - Mt. Pulog) 19011
- R** *Rhododendron trichocladum* Franchet ssp. *nepalense* Hara 7731  
**R** Nepal (east) 7731
- R** *Rhododendron vaseyi* Gray 20850  
**I** 20850 U.S. - Connecticut 20850  
**R** 20850 U.S. - North Carolina 20850
- R** *Rhododendron viscistylum* Nakai var. *amakusaense* Takeda 10573  
**R** 10573 Japan 10573
- R** *Rhododendron viscistylum* Nakai var. *viscistylum* 10573  
**R** 10573 Japan 10573
- E** *Rhododendron wattii* Cowan 14732  
**E** 14732 India - Manipur 14732
- V** *Rhododendron yakuinsulare* Masam. 10573  
**V** 10573 Japan 10573
- R** *Rhododendron yakumontanum* Masam. 10573  
**R** 10573 Japan 10573
- R** *Rhodothamnus sessilifolius* Davis 12840  
**R** 20618 Turkey 12840
- V** *Satyrja allenii* A.C. Sm. 20883, 9006  
**I** 20883 Panama 20883
- I** *Scyphogyne calcicola* E.G.H.Oliv. 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Semiramisia alata* Luteyn 20883  
**I** 20883 Colombia 20883
- E** *Sphyrrosperrum tuberculatum* Wilbur & Luteyn 20883, 9006  
**I** 20883 Panama 20883
- V** *Syndesmanthus schlechteri* N.E.Br. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Tepuia cardonae* A.C.Smith 20883  
**R** 20883 Venezuela 20883
- V** *Tepuia intermedia* Steyermark 20883  
**V** 20883 Venezuela 20883
- V** *Tepuia multiglandulosa* Steyermark & Maguire 20883  
**V** 20883 Venezuela 20883
- R** *Tepuia speciosa* A.C.Smith 20883  
**R** 20883 Venezuela 20883
- R** *Tepuia tatei* Camp 20883  
**R** 20883 Venezuela 20883
- E** *Tepuia vareschii* Steyermark 20883  
**E** 20883 Venezuela 20883
- R** *Tepuia venusta* Camp 20883  
**R** 20883 Venezuela 20883
- E** *Themistoclesia costaricensis* Luteyn & Wilbur 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883
- E** *Themistoclesia revoluta* Wilbur & Luteyn 20883, 10747  
**I** 20883 Panama 20883
- R** *Tsusiohyllum tanakae* Maxim. 10573  
**R** 10573 Japan 10573
- E** *Utleya costaricensis* Wilbur & Luteyn 20883, 9688  
**I** 20883 Costa Rica 20883
- E** *Vaccinium amamanum* Hatus. 10573  
**E** 10573 Japan 10573
- R** *Vaccinium boninense* Nakai 8037  
**R** 19134 Japan - Ogasawara-shoto 8037
- R** *Vaccinium boreale* Hall & Aalders 20850  
**I** 20850 Canada - Labrador 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Nova Scotia 20850  
**V** 20850 Canada - Quebec 20850  
**E** 20850 U.S. - Maine 20850  
**R** 20850 U.S. - New Hampshire 20850  
**V** 20850 U.S. - New York 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ericaceae: *Vaccinium*

- E 20850 U.S. - Vermont 20850
- R** *Vaccinium cereum* (L.) J.G.Forster var. *raiateense* (J.Moore) M.Grant 20845
- R** 20845 French Polynesia - Society Is. (Raiatea) 20845
- V** *Vaccinium cespitosum* Michx. var. *paludicola* (Camp) Hulten 20850
- I** 20850 Canada - British Columbia 20850
- V** 20850 U.S. - Alaska 20850
- I** 20850 U.S. - California 20850
- I** 20850 U.S. - Oregon 20850
- I** 20850 U.S. - Washington 20850
- R** *Vaccinium ciliatum* Thunb. 10573
- R** 10573 Japan 10573
- V** *Vaccinium costaricense* Wilbur & Luteyn 20883, 9037
- I** 20883 Costa Rica 20883
- E** *Vaccinium crassifolium* Andr. ssp. *sempervirens* (Rayner & Henderson) W.B. Kirkman & J.R. Ballington 20850
- E** 20850 U.S. - South Carolina 20850
- V** *Vaccinium floccosum* (L. O. Williams) Wilbur & Luteyn 20883, 9006
- I** 20883 Panama 20883
- I** *Vaccinium glabrum* Fletcher 19120
- I** 19120 Thailand 19120
- R** *Vaccinium hirsutum* Buckl. 20850
- R** 20850 U.S. - Georgia 20850
- V** 20850 U.S. - North Carolina 20850
- R** 20850 U.S. - Tennessee 20850
- V** *Vaccinium jefense* Luteyn & Wilbur 20883
- I** 20883 Panama 20883
- R** *Vaccinium koreanum* Nakai 15957
- R** 15923 Korea, South 15957
- E** *Vaccinium orosiense* Wilbur & Luteyn 20883, 9006
- I** 20883 Costa Rica 20883
- I** *Vaccinium palawanensis* Elm. var. *foxworthii* (Copel.) Sleum. 13833
- I** 13833 Philippines (Palawan) 13833
- I** *Vaccinium rapae* Skottsberg 20845
- I** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- E** *Vaccinium santafeensis* Wilbur & Luteyn 20883, 9006
- I** 20883 Panama 20883
- R** *Vaccinium shaferi* Acuna & Roig 5607
- R** 19105 Cuba (Holguin; Guantanamo) 5607
- E** *Vaccinium sieboldii* Miq. 10573
- E** 10573 Japan 10573
- R** *Vaccinium wrightii* Gray var. *formosanum* (Hayata) Li 20511
- R** 20511 Taiwan 20511
- R** *Vaccinium yakushimense* Makino 10573
- R** 10573 Japan 10573
- V** *Xylococcus bicolor* Nutt. 20850
- I** 20850 U.S. - California 20850

**Erythroxylaceae**

Number of genera: 4  
 Number of species: 200  
 Recorded threatened species: 69 (34%)

Pantropical, especially New World.

- V** *Erythroxylum affine* A. St. Hil. 13712

- V** 13712 Brazil 13712
- E** *Erythroxylum andrei* Plowman 20883, 13712
- I** 20883 Brazil 20883
- V** *Erythroxylum baracoense* Borh. 5607
- V** 19105 Cuba (Guantanamo) 5607
- R** *Erythroxylum barbatum* O. Schulz 13712
- R** 13712 Brazil 13712
- E** *Erythroxylum bezerrae* Plowman 20883
- I** 20883 Peru 20883
- I** *Erythroxylum bicolor* O. Schulz 13712
- I** 13712 Brazil 13712
- E** *Erythroxylum bradeanum* O. Schulz 13712
- E** 13712 Brazil 13712
- V** *Erythroxylum brennae* D'Arcy & Schanen 20883, 9004
- E** 19791 Panama 20883
- I** *Erythroxylum buxus* Peyr. 13712
- I** 13712 Brazil 13712
- R** *Erythroxylum campinense* Amaral 13712
- R** 13712 Brazil 13712
- V** *Erythroxylum carthagense* Jacq. 13712
- V** 19791 Colombia 19791
- V** 19791 Venezuela 13712
- V** *Erythroxylum clarens* Borh. 5607
- V** 19105 Cuba 5607
- R** *Erythroxylum coelophlebium* Martius 13712
- R** 13712 Brazil 13712
- V** *Erythroxylum columbinum* Martius 13712
- V** 13712 Brazil 13712
- R** *Erythroxylum cryptanthum* O. Schulz 13712
- R** 13712 Brazil 13712
- E** *Erythroxylum davidii* D'Arcy & Schanen 20883, 9006
- I** 20883 Panama 20883
- V** *Erythroxylum dumosum* Alain 5607
- V** 19105 Cuba (Holguin) 5607
- Ex** *Erythroxylum echinodendron* Ekman 5607
- Ex** 19105 Cuba (VC) 5607
- Ex/E** *Erythroxylum ellipticum* Ramirez 9019
- Ex/E** 9425 Mexico 9019
- V** *Erythroxylum foetidum* Plowman 20883
- I** 20883 Venezuela 20883
- R** *Erythroxylum gaudichaudii* Peyr. 13712
- R** 13712 Brazil 13712
- E** *Erythroxylum glazioui* O. Schulz 13712
- E** 13712 Brazil 13712
- V** *Erythroxylum grandiflorum* Peyr. 13712
- V** 13712 Brazil 13712
- E** *Erythroxylum guanchezii* Plowman 20883
- I** 20883 Venezuela 20883
- E** *Erythroxylum hamigerum* O. Schulz 13712
- E** 13712 Brazil 13712
- V** *Erythroxylum horridum* Borh. & Oviedo 5607
- V** 19105 Cuba (Holguin) 5607
- R** *Erythroxylum hypericifolium* Lam. 10082
- R** 14220 Réunion 10082
- R** 20771 Mauritius 10082
- R** *Erythroxylum hypoleucum* Plowman 20883
- I** 20883 Venezuela 20883
- R** *Erythroxylum incrassatum* O.E. Schultz 20883, 13336

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Erythroxylaceae: *Erythroxylum*

- R 13336 Jamaica 20883
- R *Erythroxylum jamaicense* F. & R. 20883. 13336  
R 13336 Jamaica 20883
- E *Erythroxylum lancifolium* Peyr. 13712  
E 13712 Brazil 13712
- E *Erythroxylum leal-costae* Plowman 20883. 13712  
I 20883 Brazil 20883
- V *Erythroxylum ligustrinum* DC. var. *carajasense*  
Plowman 13712  
V 13712 Brazil 13712
- R *Erythroxylum lindemanii* Plowman 13712  
R 13712 Suriname 13712  
R 13712 Venezuela 13712
- R *Erythroxylum lineolatum* DC. 13712  
R 19571 Colombia 13712
- V *Erythroxylum lorentense* Plowman 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- I *Erythroxylum lygoides* O. Schulz 13712  
I 13712 Brazil 13712
- I *Erythroxylum macrocalyx* Martius 13712  
I 13712 Brazil 13712
- V *Erythroxylum mamacoca* Martius 13712  
V 13712 Peru 13712
- V *Erythroxylum maracasense* Plowman 20883. 13712  
I 20883 Brazil 20883
- R *Erythroxylum martii* Peyr. 13712  
R 13712 Brazil 13712
- E *Erythroxylum matts-silvae* Plowman 20883. 13712  
I 20883 Brazil 20883
- E *Erythroxylum membranaceum* Plowman 20883. 13712  
I 20883 Brazil 20883
- I *Erythroxylum mikanii* Peyr. 13712  
I 13712 Brazil 13712
- I *Erythroxylum nitidum* Spreng. 13712  
I 13712 Brazil 13712
- R *Erythroxylum nobile* O. Schulz 13712  
R 13712 Brazil 13712
- V *Erythroxylum obtusifolium* Hook.f. 10276  
V 12838 Sri Lanka 10276
- E *Erythroxylum occultum* Plowman 20883. 13712  
I 20883 Brazil 20883
- R *Erythroxylum ochranthum* Peyr. 13712  
R 13712 Brazil 13712
- V *Erythroxylum ovalifolium* Peyr. 13712  
V 13712 Brazil 13712
- R *Erythroxylum oxypetalum* O. Schulz 13712  
R 13712 Brazil 13712
- E *Erythroxylum pauferrense* Plowman 20883. 13712  
I 20883 Brazil 20883
- E *Erythroxylum petrae-caballi* Plowman 20883  
I 20883 Brazil 20883
- R *Erythroxylum polygonoides* Martius 13712  
R 13712 Brazil 13712
- I *Erythroxylum reticulatum* Northrop  
I 4650 Bahamas 4650
- E *Erythroxylum ruryi* Plowman 20883  
I 20883 Bolivia 20883  
I 20883 Peru 20883
- E *Erythroxylum santosii* Plowman 20883. 13712  
E 20883 Brazil 20883
- R *Erythroxylum sechellarum* O. Schulz 14296  
R 19181 Seychelles (granitic) 14296
- R *Erythroxylum shatona* Macbr. 13712  
R 13712 Peru 13712
- E *Erythroxylum simonis* Plowman 20883. 13712  
I 20883 Brazil 20883
- E *Erythroxylum splendidum* Plowman 20883. 13712  
I 20883 Brazil 20883
- V *Erythroxylum steyermarkii* Plowman 20883  
I 20883 Venezuela 20883
- E *Erythroxylum stipulosum* Plowman 20883. 13712  
I 20883 Brazil 20883
- R *Erythroxylum tenue* Plowman 13712  
R 13712 Brazil 13712
- E *Erythroxylum tianguanum* Plowman 20883  
I 20883 Brazil 20883
- V *Erythroxylum tucuruense* Plowman 13712  
V 13712 Brazil 13712
- E *Erythroxylum undulatum* Plowman 20883  
I 20883 Venezuela 20883
- E *Erythroxylum vasquezii* Plowman 20883  
I 20883 Peru 20883
- I *Erythroxylum virgulosum* Martius 13712  
I 13712 Brazil 13712
- R *Erythroxylum williamsii* Standley ex Plowman 20883  
I 20883 Venezuela 20883

Escalloniaceae

Number of genera: 20  
Number of species: 170  
Recorded threatened species: 15 (8%)

Southern hemisphere to tropics, esp. South America, Australasia.

- R *Argophyllum cryptophlebium* Zemann 20681  
R 20681 Australia - Queensland 20681
- R *Argophyllum nullumense* R.Baker 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I *Corokia carpodetoides* (F. Muell.) L.S. Smith  
I 14226 Australia - NSW - Lord Howe Is. 14226
- R *Corokia macrocarpa* Kirk 19305  
R 19305 New Zealand - Chatham Is. 19106
- V *Corokia whiteana* L.S. Smith 20681  
V 20681 Australia - New South Wales 20681
- E *Escallonia piurenensis* Mattf.  
E 9446 Peru 18200
- V *Escallonia schreiteri* Sleumer 16336  
V 19448 Argentina (Tucumani) 16336  
V 20176 Argentina - Salta 20176  
V 20176 Argentina - Tucuman 20176
- R *Platyspermation crassifolium* Guillaumin 20893  
R 20893 New Caledonia 20893
- R *Polyosma annamensis* Gagnepain 6057  
R Vietnam 6057
- R *Polyosma nhatrangensis* Gagnepain 6057  
R Vietnam 6057
- I *Polyosma pulgarensis* Elm 13833

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Escalloniaceae: *Polysoma*

- I 13833 Philippines (Palawan) 13833  
**R** *Polysoma rigiduscula* F.Muell. & Bailey 20681  
 R 20681 Australia - Queensland 20681  
**R** *Quintinia quatrefagesii* F.Muell. 20681  
 R 20681 Australia - Queensland 20681  
**V** *Roussea simplex* Sm. 10082  
 V 20771 Mauritius 10082  
**E** *Valdivia gayana* Remy 15088  
 E 13875 Chile 13875

**Eucommiaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Montane forests of western China.

- R** *Eucommia ulmoides* Oliver 17617  
 R 17617 China - Anhui 11139  
 R 17617 China - Gansu 11139  
 R 17617 China - Guizhou 11139  
 R 17617 China - Henan 11139  
 R 17617 China - Hubei (west) 11139  
 R 17617 China - Hunan 11139  
 R 17617 China - Jiangxi 11139  
 R 17617 China - Shanxi 11139  
 R 17617 China - Sichuan 11139  
 R 17617 China - Zhejiang 11139

**Eucryphiaceae**

Number of genera: 1  
 Number of species: 6  
 Recorded threatened species: 1 (16%)

Eastern Australia; Tasmania; Chile.

- R** *Eucryphia glutinosa* (Poepp. et Endl.) Baillon 20883.  
 13875  
 R 20883 Chile 20883

**Euphorbiaceae**

Number of genera: 300  
 Number of species: 7,500  
 Recorded threatened species: 933 (12%)

Cosmopolitan, especially tropical and subtropical.

- R** *Acalypha angustata* Sond. var.  
*angustata* 20604  
 R 20604 South Africa - Natal 20604  
**R** *Acalypha balansae* Guillaumin 20893  
 R 20893 New Caledonia 20893  
**R** *Acalypha elliptica* Sw. 20883  
 R 20883 Jamaica 20883  
**V** *Acalypha entumenica* Prain 20604  
 V 20604 South Africa - Natal 20604  
**E** *Acalypha fulva* I.M. Johnston 18200  
 E 9446 Peru 18200  
**V** *Acalypha hontauyuensis* Keng 14961  
 V 20854 Taiwan (Botel Tobago) 14961  
**I** *Acalypha hutchinsonii* Britton 5607  
 I 19105 Cuba 5607  
**E** *Acalypha integrifolia* Willd. var. *longifolia*  
 (Muell.-Arg.) Coode 10082  
 E 20771 Mauritius 10082  
**E** *Acalypha integrifolia* Willd. var. *marginata*

- (Poir.) Coode 10082  
 E 20771 Mauritius 10082  
**R** *Acalypha integrifolia* Willd. ssp. *panduriformis*  
 Coode 10082  
 R 14220 Réunion 14220  
**E** *Acalypha integrifolia* Willd. var. *parvifolia*  
 (Baill. ex M.-Arg.) Pax & Hoffm. 10082  
 E 20771 Mauritius 10082  
**V** *Acalypha jamaicensis* Britton 20883, 13336  
 V 20883 Jamaica 20883  
**R** *Acalypha laevigata* Sw. 20883  
 R 20883 Jamaica 20883  
**I** *Acalypha lepinei* J.Mueller 20845  
 I 20845 French Polynesia - Society Is. 20845  
**R** *Acalypha longi-acuminata* Hayata 20511  
 R 20511 Taiwan 20511  
**V** *Acalypha lyonsii* P.I.Forster 20681  
 V 20681 Australia - Queensland 20681  
**E** *Acalypha marissima* M. Gilbert 19704  
 E 19704 Ethiopia (Welega) 19704  
**R** *Acalypha matudai* Hayata 20511  
 R 20511 Taiwan 20511  
**I** *Acalypha nana* Griseb. 5607  
 I 19105 Cuba (Pinar del Rio) 5607  
**R** *Acalypha nubicola* McVaugh 9692  
 R 11182 Mexico 9692  
**R** *Acalypha pruinosa* Urb. 20883, 19890  
 R 19890 Jamaica 20883  
**E** *Acalypha raivavensis* F.Brown 20845  
 E 20845 French Polynesia - Tubuai Is. 20845  
**Ex** *Acalypha rubra* Roxb. 18996  
 Ex 18996 St Helena 18996  
**E** *Acalypha saxicola* Wigg. 9002  
 E 11182 Mexico 9002  
**V** *Acalypha suirensiensis* Yamamoto 20511  
 V 20854 Taiwan 20511  
**R** *Acalypha virgata* L. 20883  
 I 20883 Jamaica 20883  
**E** *Acalypha virgata* L. var. *pubescens* Fawc. &  
 Rendle 20883, 13336  
 E 20883 Jamaica 20883  
**V** *Acalypha wigginsii* Webster 11117  
 V 11117 Ecuador - Galapagos (Santa Cruz) 11117  
**E** *Acalypha wilderi* Merr. 19473  
 E 19473 Cook Is. (Southern group) (Rarotonga)  
 19473  
**V** *Acidocroton acunae* Borh. & Muniz 5607  
 V 19105 Cuba (Villa Clara) 5607  
**V** *Acidocroton ekmanii* Urban 5607  
 V 19105 Cuba 5607  
**V** *Acidocroton trichophyllus* Urban 5607  
 V 19105 Cuba (Holguin) 5607  
**R** *Acidocroton verrucosus* Urb. 20883, 13336  
 R 13336 Jamaica 20883  
**I** *Acidoton microphyllus* Urban 5642  
 I Dominican Republic (Barahona) 5642  
**V** *Actephila foetida* Domin 20681  
 V 20681 Australia - Queensland 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Actephila*

- R** *Actephila sessilifolia* Benth. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Adelia spinosa* (Chordat & Hassler) Pax & Hoffm. 20883  
**I** 20883 Argentina 20883  
**R** 20883 Paraguay 20883
- V** *Adelia vaseyi* (Coul.) Pax & K. Hoffmann 20850  
**V** 20850 U.S. - Texas 20850
- V** *Aerisilvaea sylvestris* A.Radcliffe-smith 20885  
**V** 20885 Tanzania (Morogoro District) 20885
- R** *Agrostistachys coriacea* Alston 10276  
**R** 12838 Sri Lanka 10276
- V** *Agrostistachys hookeri* (Thwaites) Hook.f. 10252  
**V** 12838 Sri Lanka 10252
- V** *Alchornea trewioides* (Benth.) Muell.-Arg. var. *formosae* (Muell.-Arg.) Pax & Hoffm. 20511  
**V** 20511 Taiwan 20511
- R** *Alchorneopsis portoricensis* Urban 20883  
**I** 20883 Puerto Rico 20883
- E** *Alphandia resinosa* Baillon 20893  
**E** 20893 New Caledonia 20893
- V** *Amanoa bracteosa* Planch. 20274  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 20274  
**V** 20858 Sierra Leone 7926
- V** *Amanoa caribaea* Krug and Urb. 20883  
**V** 20883 Dominica 20883  
**V** 20883 Guadeloupe 20883
- V** *Amanoa strobilacea* Muell.Arg. 20274  
**V** 20858 Angola - Cabinda 7926  
**V** 20858 Cameroon 7926  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 7926
- E** *Amperea protensa* Nees 20681, 14223  
**E** 20681 Australia - Western Australia 14223
- R** *Amperea spicata* Airy Shaw 20681  
**R** 20681 Australia - Northern Territory 20681
- Ex** *Amperea xiphoclada* (Sieber ex Sprengel) Druce var. *pedicellata* R.Henderson 20681  
**Ex** 20681 Australia - New South Wales 20681
- V** *Andrachne arida* (Warnock & M.C. Johnston) G.L. Webster 20883, 20850  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- E** *Andrachne brittonii* Urban 5607  
**E** 19105 Cuba (Guantánamo) 5607
- R** *Andrachne colchica* (Fischer & C.A. Meyer) Pojark  
**R** former USSR 6930
- V** *Andrachne ephemera* M. Gilbert 19704  
**V** 19704 Ethiopia (Harge: Bale; Sidamo) 19704
- R** *Andrachne gruvelli* Daveau  
**R** Mauritania
- R** *Andrachne pusilla* Pojark  
**R** former USSR 6930
- E** *Andrachne schweinfurthii* (Balf. f.) A.R. Smith  
**E** Yemen - Socotra
- I** *Antidesma andamanicum* Hook. F. 7771  
**I** India - Andaman Is. (South) 7771
- R** *Antidesma annamense* Gagnepain 6057  
**R** Vietnam 6057
- I** *Antidesma obliquinervium* Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Antidesma pachystachys* Hook. f. 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Perak, Pahang, Johor) 19209
- R** *Antidesma poilanei* Gagnepain 6057  
**R** Vietnam 6057
- R** *Antidesma pyrifolium* Muell.Arg. 10276  
**R** 12838 Sri Lanka 10276
- I** *Antidesma subolivaceum* Elm. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Antidesma thwaitesianum* Muell. Arg. 10252  
**I** 19209 Malaysia - Peninsular Malaysia (Kedah, Pahang) 19209  
**I** 16162 Sri Lanka 10252
- R** *Aporusa cardiosperma* (Gaertn.) Merr. 12838  
**R** 12838 Sri Lanka 12838
- I** *Aporusa elliptifolia* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- I** *Aporusa incisa* Airy Shaw 19120  
**I** 19120 Thailand 19120
- V** *Aporusa lanceolata* Thwaites 10276  
**V** 12838 Sri Lanka 10276
- V** *Argythamnia apheroides* Muell.-Arg. 20850  
**V** 20850 U.S. - Texas 20850
- V** *Argythamnia argyraea* Cory 20850  
**V** 20850 U.S. - Texas 20850
- V** *Argythamnia blodgettii* (Torr.) Chapman 20850  
**V** 20850 U.S. - Florida 20850
- V** *Argythamnia californica* Brandeg. 20850  
**V** 20850 U.S. - California 20850
- E** *Argythamnia macrobotrys* (Pax & Hoffm.) Ingram 20883, 9006  
**I** 20883 Panama 20883
- V** *Argythamnia microphylla* Pax 5607  
**V** 19105 Cuba (Camaguey) 5607
- V** *Aristogeitonina monophylla* Airy Shaw 19524  
**V** 19109 Kenya (Kilifi) 19524  
**V** 20057 Tanzania (Tanga, Pangani & coast) 19524
- R** *Ateramnus integer* (F. & R.) Rothm. 20883  
**R** 20883 Jamaica 20883
- V** *Austrobuscus cracens* McPherson 20893  
**V** 20893 New Caledonia 20893
- R** *Austrobuscus montis-do* Airy Shaw 20893  
**R** 20893 New Caledonia 20893
- R** *Austrobuscus swainii* (Beuzev. & C.White) Airy Shaw 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** *Avellanita bustillosii* Philippi 15088  
**E** 13875 Chile 13875
- I** *Baccaurea glabrifolia* Pax. & Hoffm. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Baccaurea hookeri* Gage 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Perak, Johor) 19209  
**V** 20099 Singapore 19209
- I** *Baccaurea odoratissima* Elm. 13833  
**I** 13833 Philippines 13833

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Baccaurea*

- R** *Baloghia anisomera* Guillaumin  
R New Caledonia
- V** *Baloghia marmorata* C.White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Baloghia pininsularis* Guillaumin 20893  
E 20893 New Caledonia 20893
- E** *Bernardia albida* Lundell 9064  
E 11182 Mexico - San Luis Potosi 9064
- E** *Bernardia venosa* Griseb. 19734  
E 19105 Cuba (Guantánamo) 19105
- R** *Bertya brownii* S.Moore 20681  
R 20681 Australia - New South Wales 20681
- R** *Bertya findlayi* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- V** *Bertya ingramii* T.A.James 20681  
V 20681 Australia - New South Wales 20681
- R** *Bertya pedicellata* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- V** *Bertya pinifolia* Planchon 20681  
V 20681 Australia - Queensland 20681
- R** *Bertya polystigma* Gruning 20681  
R 20681 Australia - Queensland 20681
- R** *Beyeria gardneri* Airy Shaw 20681  
R 20681 Australia - Western Australia 20681
- Ex** *Beyeria lepidopetala* F.Muell. 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- V** *Beyeria subsecta* J.Black 20681  
V 20681 Australia - South Australia 20681
- I** *Blachia reflexa* Benth.  
I India - Karnataka (Coorg)  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Nilgiri Hills)
- E** *Bocquillonia arborea* Airy Shaw 20893  
E 20893 New Caledonia 20893
- E** *Bocquillonia castaneifolia* Guillaumin 20893  
E 20893 New Caledonia 20893
- V** *Bocquillonia longipes* McPherson 20893  
E 20893 New Caledonia 20893
- Ex** *Bonania myrcifolia* (Griseb.) Benth. & Hook. 5607  
Ex 19105 Cuba (Guantanamo) 5607
- R** *Breynia badouini* Beille 6057  
R Vietnam 6057
- R** *Breynia diversifolia* Beille 6057  
R Vietnam 6057
- R** *Breynia grandiflora* Beille 6057  
R Vietnam 6057
- V** *Bridelia kurzii* Hook. F. 7771  
V 14782 India - Andaman Is. 14782  
V 14782 India - Nicobar Is. (Kamorta Is.) 7771
- V** *Bridelia moonii* Thwaites 10276  
V 12838 Sri Lanka 10276
- E** *Caperonia neglecta* Webster 20883, 9006  
R 9703 Panama 20883  
R 9703 Venezuela 11182
- E** *Caryodendron angustifolium* Standl. 20883, 9006  
I 20883 Panama 20883
- E** *Cephalomappa sinensis* (Chun & How) Kosterm. 17617  
E 17617 China - Guangxi 11139
- R** *Chaetocarpus coriaceus* Thwaites 10276  
R 12838 Sri Lanka 10276
- V** *Chaetocarpus humilis* (Ekman) Borh. 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E** *Chaetocarpus pubescens* (Thwaites) Hook.f. 10252  
E 12838 Sri Lanka 10252
- R** *Chamaesyce abdita* Burch 11117  
R Ecuador - Galapagos 11117
- E** *Chamaesyce arnottiana* (Endl.) O. & I. Deg. 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.) 20850
- V** *Chamaesyce astyla* (Engelm. ex Boiss.) Millsp. 20883, 20850  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- V** *Chamaesyce atoto* (J.G.Forster) Croizat 20845  
V 20845 French Polynesia - Society Is. (Tahti) 20845
- V** *Chamaesyce atrococca* (Heller) Croizat & Deg. 20850, 14209  
R 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *celastroides* 20850  
R 20850 U.S. - Hawaii 20850
- R** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *hanapepensis* (Sherff) O. & I. Deg. 20850, 14209  
R 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *kaenana* (Sherff) O. & I. Deg. 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu) 20850
- E** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *laehiensis* (O. & I. Deg. & Sherff) Koutnik 20850, 14209  
E 20850 U.S. - Hawaii (Lana`i, Maui) 20850
- R** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *lorifolia* (Gray) O. & I. Deg. 20850, 14209  
R 20850 U.S. - Hawaii (Lana`i, Maui) 20850
- E** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *stokesii* (Forbes) O. & I. Deg. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- Ex/E** *Chamaesyce celastroides* (Boiss.) Croizat & Degener var. *tomentella* (Boiss.) Koutnik 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O`ahu) 20850
- R** *Chamaesyce conferta* Small 20850  
I 20850 U.S. - Florida 20850
- V** *Chamaesyce cumulicola* Small 20850  
V 20850 U.S. - Florida 20850
- R** *Chamaesyce degeneri* (Sherff) Croizat & Deg. 20850, 14209  
R 20850 U.S. - Hawaii 20850
- V** *Chamaesyce deltoidea* (Engelm. ex Chapman) Small 20850  
I 20850 U.S. - Florida 20850
- E** *Chamaesyce deltoidea* (Engelm. ex Chapman) Small var. *adhaerens* (Small) Burch 20850  
E 20850 U.S. - Florida 20850
- E** *Chamaesyce deltoidea* (Engelm. ex Chapman) Small ssp. *deltoidea* (Small) Burch 20850  
E 20850 U.S. - Florida 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Chamaesyce*

- E** *Chamaesyce deltoidea* (Engelm. ex Chapman) Small ssp. *serpyllum* (Small) Burch 20850  
**E** 20850 U.S. - Florida 20850
- E** *Chamaesyce deppeana* (Boiss.) Millsp. 20850, 14209  
**E** 20850 U.S. - Hawaii (O`ahu, Ko`olau Mts.) 20850
- R** *Chamaesyce galapageia* (Robinson & Greenman) Burch 11117  
**R** Ecuador - Galapagos 11117
- E** *Chamaesyce garberi* (Engelm. ex Chapman) Small 20850  
**E** 20850 U.S. - Florida 20850
- V** *Chamaesyce golondrina* (L.C. Wheeler) Shoiners 20883, 20850  
**V** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- R** *Chamaesyce gracillima* (S.Watson) Millsp. 20850  
**I** 20850 U.S. - Arizona 20850
- E** *Chamaesyce halemanui* (Sherff) Croizat & Deg. 20850, 14209  
**E** 20850 U.S. - Hawaii (north-west Kau`i) 20850
- E** *Chamaesyce herbstii* W.L. Wagner 20850, 14209, 21353  
**E** 20850 U.S. - Hawaii (O`ahu, Wai`anae Mts.) 20850
- V** *Chamaesyce hooveri* (L.C. Wheeler) Koutnik 20850  
**V** 20850 U.S. - California 20850
- V** *Chamaesyce jejuna* (M.C. Johnston & Warnock) Shoiners 20850  
**V** 20850 U.S. - Texas 20850
- E** *Chamaesyce kuwaleana* (O. Deg. & Sherff) O. & I. Deg. 20850, 14209  
**E** 20850 U.S. - Hawaii (O`ahu, Wai`anae Mts.) 20850
- I** *Chamaesyce linearifolia* (Roth) Sojak  
**I** India - Andhra Pradesh (Kurnool)
- R** *Chamaesyce myrtillifolia* (L.) Millsp. 19890  
**R** 19890 Jamaica (St. Andrew) 19890
- R** *Chamaesyce nummularia* (Hook.f.) Burch var. *glabra* (Robinson & Greenman) Burch 11117  
**R** Ecuador - Galapagos (Floreana; Tower) 11117
- R** *Chamaesyce nummularia* (Hook.f.) Burch var. *nummularia* 11117  
**R** Ecuador - Galapagos 11117
- V** *Chamaesyce olowaluana* (Sherff) Croizat & Deg. 20850, 14209  
**V** 20850 U.S. - Hawaii (west Maui, Hawai`i) 20850
- R** *Chamaesyce parishii* (Greene) Millsp. ex Parish 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Chamaesyce perennans* Shoiners 20850  
**R** 20850 U.S. - Texas 20850
- E** *Chamaesyce pinetorum* Small 20850  
**E** 20850 U.S. - Florida 20850
- R** *Chamaesyce platysperma* (Engelm. ex S.Watson) Shoiners 20883, 20850, 19002  
**E** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- R** *Chamaesyce polycarpa* (Benth) Millsp. var. *simulans* (L.C. Wheeler) Shoiners 20850  
**R** 20850 U.S. - Texas 20850
- V** *Chamaesyce porteriana* Small 20850  
**I** 20850 U.S. - Florida 20850
- V** *Chamaesyce porteriana* Small var. *porteriana* (Small) Burch 20850  
**V** 20850 U.S. - Florida 20850
- V** *Chamaesyce porteriana* Small var. *scoparia* (Small) Burch 20850  
**V** 20850 U.S. - Florida 20850
- V** *Chamaesyce remyi* (Gray ex Boiss.) Croizat & Deg. 20850, 14209  
**V** 20850 U.S. - Hawaii (Kau`i) 20850
- Ex/E** *Chamaesyce remyi* (Gray ex Boiss.) Croizat & Deg. var. *hanaleiensis* (Sherff) O. & I. Deg. 20850  
**Ex/E** 20850 U.S. - Hawaii 20850
- E** *Chamaesyce remyi* (Gray ex Boiss.) Croizat & Deg. var. *kauaiensis* (O. Deg. & Sherff) O. & I. Deg. 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Chamaesyce remyi* (Engelm.) Small var. *remyi* 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Chamaesyce rockii* (Forbes) Croizat & Deg. 20850, 14209, 21353  
**E** 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.) 20850
- V** *Chamaesyce skottsbergii* (Sherff) Croizat & Deg. 20850, 14209  
**I** 20850 U.S. - Hawaii (O`ahu, Moloka`i) 20850
- V** *Chamaesyce skottsbergii* (Sherff) Croizat & Degener var. *skottsbergii* 20850  
**V** 20850 U.S. - Hawaii 20850
- E** *Chamaesyce skottsbergii* (Sherff) Croizat & Degener Koutnik var. *vaccinioides* (Sherff) Koutnik 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- E** *Chamaesyce sparsiflora* (Heller) Koutnik 20850, 14209  
**E** 20850 U.S. - Hawaii (Kau`i) 20850
- R** *Choriceras majus* Airy Shaw 20681  
**R** 20681 Australia - Queensland 20681
- I** *Chorisandrachne diplosperma* Airy Shaw 19120  
**I** 19120 Thailand 19120
- V** *Claoxylon centenarium* Koidz. 20626  
**V** 20626 Japan - Ogasawara-shoto 20626
- Ex** *Claoxylon grandifolium* (Poiert) Muell. Arg. 10082  
**Ex** 10082 Réunion 10082  
**Ex** 20771 Mauritius 10082
- E** *Claoxylon linostachys* Baillon ssp. *brachyphyllum* (Croizat) Coode 10082  
**E** 20771 Mauritius 10082
- E** *Claoxylon linostachys* Baillon ssp. *linostachys* 10082  
**E** 20771 Mauritius (Macabé Reserve) 10082
- E** *Claoxylon linostachys* Baillon ssp. *pedicellare* Coode 10082  
**E** 20771 Mauritius 10082
- R** *Claoxylon ooumuense* Fosberg & Sachet 20845  
**R** 20845 French Polynesia 20845
- I** *Claoxylon putii* Airy Shaw 19120  
**I** 19120 Thailand 19120
- E** *Claoxylon racemiflorum* A. Juss. 10082  
**E** 14234 Réunion 10082
- V** *Claoxylon setosum* Coode 10082

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Claoxylon*

- I 14234 Réunion 14234
- R *Claoxylon taitense* J. Mueller 20845  
I 20845 French Polynesia - Society Is. 20845
- R *Cleidiocarpum cavaleriei* (Leveille) Airy Shaw 17617  
R 17617 China - Guangxi 11139  
R 17617 China - Guizhou (Luedian, Chenheng, Xingyi) 11139  
R 17617 China - Yunnan (Wengshanzhou) 11139
- Ex/E *Cleidion lemurum* 20802  
Ex/E 20802 New Caledonia 20802
- V *Cleidion lochmiosis* McPherson 20893  
V 20893 New Caledonia 20893
- V *Cleidion marginatum* McPherson 20893  
V 20893 New Caledonia 20893
- R *Cleidion membranaceum* Pax & Hoffm. 11504  
R 11504 Panama 11504  
R 18200 Peru 10747  
R 11504 Venezuela 11504
- V *Cleidion veillonii* McPherson 20893  
V 20893 New Caledonia 20893
- R *Cleistanthus annamensis* Gagnepain 6057  
R Vietnam 6057
- R *Cleistanthus discolor* Summerh. 20681  
R 20681 Australia - Queensland 20681
- R *Cleistanthus evrardii* Leonard 19358  
R 19358 Zaire (central Foresteri) 19358
- R *Cleistanthus ferrugineus* Muell. Arg. 10276  
R 12838 Sri Lanka 10276
- R *Cleistanthus glaucus* Jabl.  
R Malaysia - Peninsular Malaysia (Perak)
- I *Cleistanthus kingii* Jabl. 19209  
I 19209 Malaysia - Peninsular Malaysia (Johor) 19209
- I *Cleistanthus macrophyllus* Hook. f. 7730  
I 19209 Malaysia - Peninsular Malaysia (Johor) 19209  
R 20099 Singapore 20099
- I *Cleistanthus parvifolius* Hook. f.  
I Malaysia - Peninsular Malaysia (Gopeng, Perak)
- R *Cleistanthus robustus* Muell. Arg. 12838  
R 12838 Sri Lanka 12838
- R *Clutia brassii* Brenan 7849  
R Malawi 7849
- V *Clutia kamerunica* Pax  
V Cameroon (Bamenda)
- R *Clutia punctata* Wild 7754  
R Zimbabwe (Chimanimani) 7754
- I *Cnesmone jvanica* Bl. var. *glabriuscula* Balakr. & N. G. Nair 7771  
I India - Andaman Is. (South) 7771
- R *Cnesmone subpeltata* Ridley  
R Malaysia - Peninsular Malaysia (Perak; Selangor)
- Ex *Cnidoscopus fragrans* (H.B. K.) Pohl 5607  
Ex 19105 Cuba (Ciud. Habana) 5607
- I *Cnidoscopus matosii* Leon 5607  
I 20990 Cuba (Guantanamo) 5607
- E *Cnidoscopus quinquelobatus* (Mill.) Leon 5607  
E 19105 Cuba (Prov. Habana, Ciud. Habana) 5607
- I *Cnidoscopus rangeli* (M. Gomez) McVaugh 5607  
I 20990 Cuba (Pinar del Rio) 5607
- R *Cocconerion balansae* Baillon  
R New Caledonia
- V *Cocconerion minus* Baillon 20893  
V 20893 New Caledonia 20893
- E *Codiaeum oligogynum* McPherson 20893  
E 20893 New Caledonia 20893
- R *Conceveiba hostmannii* Benth. 8679  
R 8679 Suriname 8679
- E *Croizatia naiguatensis* Steyerl. 11190  
E Venezuela 11190
- E *Croizatia neotropica* Steyerl. 11190  
E Venezuela 11190
- E *Croizatia panamensis* Webster 20883  
I 20883 Panama 20883  
I 20883 Colombia 20883
- V *Croton acunae* Borh. 5607  
V 19105 Cuba (Holguin) 5607
- R *Croton alabamensis* E.A. Sm. ex Chapman 20850  
R 20850 U.S. - Alabama 20850  
Ex/E 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Texas 20850
- I *Croton alienus* Pax 20057  
I 19109 Kenya 19109
- R *Croton alpinus* Gagnepain 6057  
R Vietnam 6057
- V *Croton aubrevillei* J. Leonard 6057  
V 20858 Côte d'Ivoire 20767  
V 20858 Ghana 20274
- R *Croton brachypus* Airy Shaw 20681  
R 20681 Australia - Queensland 20681
- V *Croton chilensis* Muell. Arg. 15088  
V 13875 Chile 13875
- V *Croton clavuliger* Muell. Arg. 5607  
V 19105 Cuba 5607
- V *Croton corrallicola* Borh. 5607  
V 19105 Cuba (Granma) 5607
- E *Croton cordatulus* Airy Shaw 20893  
E 20893 New Caledonia 20893
- R *Croton coryi* Croizat 20850  
R 20850 U.S. - Texas 20850
- R *Croton cycloideus* Borh. & Muniz 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R *Croton densivestitus* C. White & Francis 20681  
R 20681 Australia - Queensland 20681
- R *Croton eberhardtii* Gagnepain 6057  
R Vietnam 6057
- V *Croton elliottii* Chapman 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- R *Croton excisus* Urban 5607  
R 19105 Cuba (Guantanamo) 5607
- R *Croton floribundus* Spreng. Syst. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Croton fothersgillifolius* Baillon 10082  
R 20771 Mauritius 10082
- R *Croton glandulosus* L. var. *floridanus* (Ferguson) R.W. Long 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Croton*

- R 20850 U.S. - Florida 20850
- R *Croton glandulosus* L. var. *simpsonii*  
Ferguson 20850  
R 20850 U.S. - Florida 20850
- R *Croton gracilipes* Baill. 20883  
R 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Croton grangerioides* Bojer ex Baillon 10082  
R 20771 Mauritius 10082
- R *Croton grisebachianus* Mull. Arg. 20883  
R 20883 Jamaica 20883
- R *Croton humilis* L. var. *adenophyllus* (Spreng.)  
Adams, unpublished 20883  
I 20883 Jamaica 20883
- V *Croton impressus* Urban 20883, 15106  
? Hispaniola 8058  
I 20883 Puerto Rico 20883
- V *Croton jaucoensis* Borh. 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Croton latsonensis* Gagnepain 6057  
R Vietnam 6057
- V *Croton laui* Merr. & Metcalf 17617  
V 17617 China - Hainan Is. 11139
- R *Croton laurinus* Sw. 20883  
R 20883 Jamaica 20883
- V *Croton magneticus* Airy Shaw 20681  
V 20681 Australia - Queensland 20681
- E *Croton mauritianus* Lam. 10082  
E 14234 Réunion 10082
- E *Croton moanus* Urban 5607  
E 19105 Cuba (Holguin) 5607
- I *Croton moonii* Thwaites 10252  
I 16162 Sri Lanka 10252
- I *Croton nipensis* Urban 5607  
I 19105 Cuba (Holguin) 5607
- E *Croton nubigenus* Webster 20883  
E 20883 Nicaragua 20883
- E *Croton olivaceus* Muell. Arg. 18200  
E 9446 Peru 18200
- R *Croton pachyrachis* Alain 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E *Croton panduraeformis* Muell. Arg.  
E 19105 Cuba 19105
- E *Croton pilgerii* Ule 18200  
E 9446 Peru 18200
- E *Croton poecilanthus* Urban 20883  
I 20883 Puerto Rico 20883
- V *Croton pottsii* (M.C. Johnston) M.C. Johnston var.  
*thermophilus* (M.C. Johnston) M.C. Johnston 20850  
E 20850 U.S. - Texas 20850
- V *Croton priorianus* Urb. 20883  
V 20883 Jamaica 20883
- V *Croton prostratus* Urban 5607  
V 19105 Cuba 5607
- V *Croton pyriticus* Croiz. 20883  
I 20883 Costa Rica 20883  
E 20883 Panama 20883
- R *Croton sarcocarpus* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- I *Croton scabiosus* Beddome  
I India - Andhra Pradesh
- R *Croton scouleri* Hook.f. var. *brevifolius*  
(Andersson) Muell.Arg. 11117  
R Ecuador - Galapagos (Floreana) 11117
- R *Croton scouleri* Hook.f. var. *darwinii*  
Webster 11117  
R Ecuador - Galapagos (Darwin; Santa Cruz;  
Wolf) 11117
- R *Croton scouleri* Hook.f. var. *grandifolius*  
Muell.Arg. 11117  
R Ecuador - Galapagos 11117
- I *Croton sepalinus* Airy Shaw 19120  
I 19120 Thailand 19120
- E *Croton septemnerivius* McVaugh 9692  
E 11182 Mexico 9692
- R *Croton stahleianus* Lanj. 8679  
R 8679 Suriname 8679
- R *Croton stockeri* (Airy Shaw) Airy Shaw 20681  
R 20681 Australia - Queensland 20681
- V *Croton suaveolens* Torr. 20850  
V 20850 U.S. - Texas 20850
- V *Croton subdecumbens* Borh. & Muniz 5607  
V 19105 Cuba (Cienfuegos) 5607
- R *Croton sulcifractus* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- V *Croton suyapensis* A. Molina 9695  
V 9730 Honduras 9695
- R *Croton talaeporos* R.-Sm. 20057  
R 20884 Kenya 20057  
R 20884 Somalia (south) 20556
- R *Croton tilifolius* Lam. 10082  
R 20771 Mauritius 10082
- R *Croton touranensis* Gagnepain 6057  
I 20985 Vietnam 6057
- E *Croton vaughanii* Croizat 10082  
E 20771 Mauritius (Perrier reserve) 10082
- V *Croton wigginsii* L.C. Wheeler 20883, 20850, 9002  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850  
V 20883 Mexico 20883
- R *Croton wilburi* McVaugh 9692  
R 19850 Mexico - Jalisco 21204
- V *Croton yunquensis* Griseb. 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Crotonogyne manniana* Muell. Arg. 10260  
V 20858 Cameroon 7926  
V 20858 Equatorial Guinea - Bioko 7926  
V 20858 Gabon 7926  
V 20858 Ghana 20858  
E 20749 Nigeria (Eket) 7926
- I *Cyclostemon iwahigensis* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- I *Cyclostemon malabaricus* Beddome  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Tirunelveli Hills)
- E *Dalechampia arenalensis* Armbruster 20883  
I 20883 Costa Rica 20883
- E *Dalechampia armbrusteri* Webster 20883  
I 20883 Brazil 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Dalechampia*

- E** *Dalechampia attenuistylus* Armbruster 20883  
I 20883 Venezuela 20883
- E** *Dalechampia brownsbergensis* Webster & Armbruster 20883  
I 20883 Suriname 20883
- E** *Dalechampia fernandensis* Webster 20883  
I 20883 Brazil 20883
- I** *Dalechampia magnistipula* Webster & Armbruster 11194  
I 11182 Mexico 11194
- E** *Dalechampia megacarpa* Armbruster 20883  
I 20883 Venezuela 20883
- V** *Dalechampia osana* Armbruster 20883  
I 20883 Costa Rica 20883
- E** *Dalechampia papillistigma* Armbruster 20883  
I 20883 Venezuela 20883
- R** *Dalechampia stenoloba* Sundar. & Kulk. 11494  
R 11494 India - Karnataka (Sukalhatti, Chikmagalur) 11494
- E** *Dalechampia viridissima* Webster 20883  
I 20883 Brazil 20883
- E** *Dalechampia websteri* Armbruster 20883  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- R** *Discocarpus essequeboensis* Klotzsch 8679  
R 8679 Guyana 8679  
R 8679 Suriname 8679
- R** *Dodecastigma integrifolium* (Lanj.) Lanj. & Sandw. 8679  
R Guyana 8679
- V** *Drypetes afzelii* (Pax) Hutch 20274  
V 20858 Côte d'Ivoire 7926  
V 20858 Ghana 20274  
V 20858 Liberia 7926  
V 20858 Sierra Leone 7926
- R** *Drypetes andamanica* (Kurz) Pax & Hoffm. 7771  
R 14782 India - Andaman Is. (South) 7771
- V** *Drypetes caustica* (Frapp. ex Cordem.) Airy Shaw 10082  
V 14234 Réunion 14234  
E 8764 Mauritius 8764
- Ex/E** *Drypetes dussii* Krug & Urban 19001  
Ex/E 19001 Martinique 19001
- R** *Drypetes integerrima* (Koidz.) Furusawa 8038  
R 19134 Japan - Kazan Retto 8622  
R 19134 Japan - Ogasawara-shoto 8038
- I** *Drypetes lanceolata* (Thwaites) Pax & Hoffm. 10252  
I 16162 Sri Lanka 10252
- I** *Drypetes leiocarpa* (Kurz) Pax & Hoffm. 7771  
I India - Andaman Is. (south) 7771
- I** *Drypetes nervosa* (Hook.f.) Pax & K. Hoffm.  
I Malaysia - Peninsular Malaysia (Gopeng, Perak)
- R** *Drypetes oxyodonta* Airy Shaw  
R Malaysia - Peninsular Malaysia (Pahang; Kelantan)
- I** *Drypetes palawanensis* Pax & Hoffm. 13833  
I 13833 Philippines (low and medium altitudes) 13833
- V** *Drypetes pellegrinii* Leandrii 15970  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 15970
- R** *Drypetes poilanei* Gagnepain 6057  
R Vietnam 6057
- V** *Drypetes riseleyi* Airy Shaw 14296  
V 19181 Seychelles 14296
- V** *Drypetes singroboensis* Aké Assi 11631  
V 20887 Côte d'Ivoire 11631  
V 20858 Ghana 15970
- E** *Drypetes triplinervia* Muell. Arg. 19105  
E 19105 Cuba 19105
- I** *Drypetes usambarica* (Pax) Hutch. var. *mrirmae* A.Radc.-Sm. 20057  
I 19109 Kenya 19109
- V** *Dysopsis hirsuta* (Muell. Arg.) Skottsb. 19116  
V 19116 Chile - Juan Fernandez Is. 19116
- R** *Epiprinus balsanae* Gagnepain 6057  
R Vietnam 6057
- R** *Epiprinus poilanei* Gagnepain 6057  
R Vietnam 6057
- R** *Erythrococca pubescens* Radc.-Sm. 20057  
R 20057 Kenya 20057
- E** *Erythrococca uniflora* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- E** *Euphorbia aaron-rossii* A. & N. Holmgren 20850  
E 20850 U.S. - Arizona 20850
- E** II *Euphorbia abdelkuri* Balf. f. 15534  
E 15534 Yemen - Socotra (Abd al Kuri) 15534
- R** II *Euphorbia actinoclada* S. Carter 17672  
R 17672 Ethiopia (South) 17672  
V 17672 Kenya (northeast) 17672  
V 17672 Somalia (Southwest) 17672
- V** II *Euphorbia alata* Hook. 20883, 13336  
V 13336 Jamaica 20883
- I** II *Euphorbia albertensis* N.E.Br. 20604, 17672  
I 20604 South Africa - Cape Province 20604
- V** II *Euphorbia albipollinifera* L.C.Leach 20604, 19976  
V 20604 South Africa - Cape Province 20604
- Euphorbia ambacensis* N.E. Br. 21391, 17672  
R 17672 Angola 17672
- E** I *Euphorbia ambovombensis* Rauh & Razaf. 15658  
E 17672 Madagascar 17672
- V** II *Euphorbia ampliphylla* Pax 19525  
V 17672 Ethiopia 17672  
V 17672 Kenya (W.Suk, Elgeyo, Masai) 19525  
V 17672 Malawi (Zambia border) 19525  
V 17672 Tanzania (Ufipa, Mbeya) 19525  
V 17672 Uganda (Karamoja, Mbale) 19525
- R** *Euphorbia anacampseros* Boiss. var. *tmolea* M.S. Khan 12840  
R 12840 Turkey 12840
- Euphorbia anachoreta* Svent. 21391, 17672  
E 14155 Portugal - Salvage Is. 14155
- R** II *Euphorbia angustiflora* Pax 19525  
R 17672 Tanzania (Chunya, Mbeya) 19525
- I** II *Euphorbia ankarensis* Boit. 17672  
I 17672 Madagascar 17672
- V** *Euphorbia apocynoides* Klotzsch 10747  
V 16317 Panama 10747
- R** II *Euphorbia arbuscula* Balf. f. var. *montana* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- I** *Euphorbia aristata* Schmalh. 5942  
I 5942 Russia - North Caucasus 5942

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- R** II *Euphorbia athenacantha* S. Carter 19525  
R 17672 Tanzania (Kigoma) 19525
- I** II *Euphorbia atrocarmesina* Leach ssp. *arboorea*  
Leach 17672  
I 17672 Angola 17672
- I** II *Euphorbia atrocarmesina* Leach ssp. *atrocarmesina* 17672  
I Angola
- R** II *Euphorbia atrox* S.Carter 17672  
R 17672 Somalia 17672
- R** *Euphorbia austroanatolica* Hub.-Mor. & M.S.  
Khan 12840  
R 12840 Turkey 12840
- E** II *Euphorbia awashensis* M. G. Gilbert 19704  
E 19704 Ethiopia (Shewa Upland) 19704
- V** *Euphorbia azorica* Hochst 10260, 20171  
V 17672 Portugal - Azores 17672
- R** II *Euphorbia baiouensis* S. Carter 15926  
R 17672 Kenya (Northern Frontier Province; Baio Mountain) 15926
- E** II *Euphorbia baleensis* M. Gilbert 19704  
E 19704 Ethiopia (Bale) 19704
- R** II *Euphorbia baliola* N.E.Br. 20604, 17672  
R 20604 Namibia 20604
- I** II *Euphorbia ballyana* Rauh 15926  
I 17672 Kenya (Rift valley) 15926
- V** II *Euphorbia ballyi* S. Carter 17672  
V 17672 Somalia 17672
- V** II *Euphorbia balsamifera* Ait. ssp. *adenensis* (Defl.)  
Bally 17672  
E 17672 Yemen, Democratic 17672  
V 17672 Somalia 17672  
V 17672 Sudan (Red Sea Hills) 17672
- V** II *Euphorbia barnardii* A.C.White, R.A.Dyer &  
B.Sloane 20604, 15922  
V 20604 South Africa - Transvaal 20604
- V** II *Euphorbia bayeri* L.C.Leach 20604, 20064  
V 20604 South Africa - Cape Province 20604
- R** II *Euphorbia baylissii* Leach 17672  
R 17672 Mozambique (Sol do Save) 17672
- R** II *Euphorbia berotica* N.E.Br. 20604, 17672  
R 17672 Angola 17672  
R 20604 Namibia 20604
- E** *Euphorbia betulicortex* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- E** II *Euphorbia bitaensis* M. G. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- R** II *Euphorbia bougheyi* Leach 17672  
R 17672 Mozambique 17672
- E** II *Euphorbia bourgeauana* Gay ex Boiss. 17672  
E 20750 Spain - Canary Is. 17672
- R** II *Euphorbia brakdamensis* N.E.Br. 20604, 17672  
R 20604 South Africa - Cape Province 20604
- V** II *Euphorbia bravoana* Svent. 17672  
V 20750 Spain - Canary Is. 17672
- I** II *Euphorbia brevirama* N.E.Br. 20604, 17672  
I 17672 South Africa 17672  
Ex 20604 South Africa - Cape Province 20604
- E** II *Euphorbia brevitorta* Bally 17672  
E 17672 Kenya 17672
- R** *Euphorbia briquetii* Emberger & Maire 17672  
R 17672 Morocco 17672
- I** *Euphorbia brittonii* Millsp. 17672  
I 17672 Bahamas 17672
- R** II *Euphorbia brunellii* Chiov. 17672  
R 17672 Ethiopia 17672  
R 17672 Kenya 17672  
R 17672 Sudan 17672  
I 19007 Uganda 17672
- R** II *Euphorbia bruynsii* L.C.Leach 20604, 17672  
R 17672 South Africa 17672  
R 20604 South Africa - Cape Province 20604
- E** II *Euphorbia burgeri* M. G. Gilbert 19704  
E 19704 Ethiopia (Haerege) 19704
- V** II *Euphorbia buruana* Pax 19525  
E 17672 Kenya 17672  
V 17672 Tanzania (Masai, Pare, Lushoto) 19525
- R** II *Euphorbia bwambensis* S. Carter 20556  
R 20733 Uganda (Bwamba forest) 7959
- I** II *Euphorbia cannellii* Leach 17672  
I Angola  
*Euphorbia capsaintemariensis* Rauh var. *tulearensis*  
Rauh 21391, 15926  
E 17672 Madagascar (south) 15926
- E** II *Euphorbia carteriana* Bally 17672  
E 17672 Somalia 17672
- R** II *Euphorbia cibdela* N.E.Br. 20604, 17672  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R** II *Euphorbia classenii* Bally & S. Carter 17672  
R 17672 Kenya 17672
- E** II *Euphorbia clavigera* N.E.Br. 20604, 17672  
E 20604 Swaziland 20604
- V** II *Euphorbia clivicola* R.A.Dyer 20604, 17672  
V 20604 South Africa - Transvaal 20604
- I** II *Euphorbia caerulans* Pax 21391, 17672  
I Angola
- V** II *Euphorbia colubrina* Bally & S. Carter 15926  
V Ethiopia (Dawa Parma River) 15926  
V Kenya (Dawa Parma River) 15926  
V 17672 Somalia 17672
- E** II *Euphorbia columnaris* Bally 17672  
E Somalia
- I** II *Euphorbia confinalis* R.A. Dyer ssp. *rhodesiaca*  
Leach 17672  
I Zimbabwe
- I** II *Euphorbia congestiflora* Leach 17672  
I Angola
- V** *Euphorbia corsica* Req. 17672, 20171  
V 15080 France - Corsica 15080
- Ex** II *Euphorbia crassipes* Marioth 20604, 17672  
Ex 20604 South Africa - Cape Province 20604
- E** II *Euphorbia cryptocaulis* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- V** *Euphorbia cubensis* Boiss. 5607  
V 19105 Cuba (Pinar del Rio) 5607
- I** II *Euphorbia cuneneana* Leach ssp. *cuneneana* 17672  
I Angola
- I** II *Euphorbia cuneneana* Leach ssp. *rhizomatosa*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- Leach 17672  
**I** Angola
- E** **II** *Euphorbia cussonioides* Bally 17672  
**E** 19109 Kenya 19109
- R** **II** *Euphorbia cylindrica* A.C.White, R.A.Dyer & B.Sloane 20604, 15937  
**V** 20604 South Africa - Cape Province (north-western; Calvinia District) 20604
- I** **I** *Euphorbia cylindrifolia* Marn.-Lap. & Rauh ssp. *tuberifera* Rauh 17672  
**I** Madagascar
- E** **II** *Euphorbia dalettiensis* M. G. Gilbert 19704  
**E** 19704 Ethiopia (Harerge) 19704
- Ex** *Euphorbia daphnoides* Balf.f. 10082  
**Ex** 5852 Mauritius - Rodrigues 5852
- R** **II** *Euphorbia dauana* S. Carter 17672  
**R** 17672 Kenya 17672
- R** *Euphorbia davisi* M.S. Khan 12840  
**R** 12840 Turkey 12840
- I** **I** *Euphorbia decaryi* Guillaumin 15658  
**I** Madagascar
- I** **II** *Euphorbia decepta* N.E.Br. 20604, 15926  
**I** 20604 South Africa - Cape Province (Willowmore) 20604
- R** **II** *Euphorbia dekindtii* Pax 17672  
**R** Angola
- E** *Euphorbia deltoidea* Engelm. ex Chapman ssp. *deltoidea* 17672  
**E** U.S. - Florida
- I** **II** *Euphorbia demissa* Leach 17672  
**I** Angola
- V** **II** *Euphorbia dichroa* S. Carter 15926  
**V** 19007 Uganda (north-eastern) 15926
- I** **II** *Euphorbia didiereoides* Denis ex Leandri 17672  
**I** Madagascar
- I** **II** *Euphorbia dispersa* Leach 17672  
**I** 17672 Angola 17672
- I** **II** *Euphorbia dissitispina* Leach 17672  
**I** Zimbabwe
- E** *Euphorbia doloensis* M.Gilbert 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- R** **II** *Euphorbia dumeticola* P.R.O.Bally & S. Carter 19525  
**R** Tanzania (Ruaha valley) 20921
- H** *Euphorbia duvalii* Lecoq & Lamotte 17672, 20171  
**R** France (south)
- V** *Euphorbia dwyeri* Burch 9006  
**V** 16317 Panama 9006
- V** **II** *Euphorbia elegantissima* Bally & S. Carter 19525  
**V** Kenya 19525  
**E** Tanzania (Mbulu, Masai) 19525
- R** **II** *Euphorbia ellenbeckii* Pax 17672  
**E** 19704 Ethiopia (Sidamo) 19704  
**R** Kenya  
**V** Somalia
- V** **II** *Euphorbia eyassiana* Bally & S. Carter 19525  
**V** Tanzania (Musoma, Masai, Mbulu) 19525
- R** **II** *Euphorbia fanshawei* Leach 17672  
**R** 17672 Zambia 17672
- R** **II** *Euphorbia fasciculata* S. Carter 17672
- R** Somalia
- V** **II** *Euphorbia fasciculata* Thunb. 20604, 15932  
**V** 20604 South Africa - Cape Province (Knervslakte) 20604
- R** **II** *Euphorbia faucicola* Leach 17672  
**R** Angola
- V** *Euphorbia flavicoma* DC. ssp. *costeana* (Rouy) P. Fourn. 20528  
**V** 20528 France (Aveyron) 20528
- V** **II** *Euphorbia fluminis* S. Carter 15926  
**V** 17435 Kenya (North-eastern; near the Tana River) 15926
- V** *Euphorbia fontquerana* Greuter 17672  
**V** 11496 Spain - Balearic Is. 11496
- R** **II** *Euphorbia fortissima* Leach 15926  
**R** 17672 Zambia 15926  
**I** Zimbabwe 15926
- V** **II** *Euphorbia fragiflexa* S. Carter & J.R.I. Wood 17672  
**V** 17672 Saudi Arabia 17672  
**V** 17672 Yemen 17672
- I** **II** *Euphorbia friedrichiae* Dinter 20604, 15932  
**I** 20604 Namibia 20604
- R** **II** *Euphorbia friesiorum* (Hässler) S. Carter 20057  
**R** 19109 Kenya 19109
- V** **II** *Euphorbia furcata* N.E. Br. 19525  
**V** Kenya (Kilifi) 19525  
**V** Tanzania (Moshi, Pare) 19525
- E** *Euphorbia gaditana* Coss. 17672, 20171  
**E** 19174 Spain (Cádiz, Sevilla) 20661
- R** *Euphorbia gasparrinii* Boiss. 17672, 20171  
**R** 20804 Italy (Calabria, Abruzzi) 20804  
**R** Italy - Sicily
- V** **II** *Euphorbia gemmea* Bally & S. Carter 17672  
**V** Kenya
- R** *Euphorbia gibelliana* Peola 17672, 20171  
**R** 20804 Italy (Piedmont) 20804
- V** **II** *Euphorbia gillettii* Bally & S. Carter ssp. *gillettii* 17672  
**V** 17672 Somalia 17672
- I** **II** *Euphorbia gillettii* Bally & S. Carter ssp. *tenuior* S. Carter 17672  
**I** 17672 Somalia 17672
- I** **II** *Euphorbia giumboensis* Hassler 17672  
**I** Somalia
- V** *Euphorbia glauca* Forst.f. 17672  
**V** 19305 New Zealand - Chatham Is. 19106  
**V** 19305 New Zealand - North Is. 19305  
**V** 19305 New Zealand - South Is. 19305
- R** **II** *Euphorbia globosa* (Haw.) Sims 20604, 17672  
**R** 20604 South Africa - Cape Province 20604
- R** **II** *Euphorbia grandialata* R.A.Dyer 20604, 15922  
**R** 20604 South Africa - Transvaal (Lebowa) 20604
- R** **II** *Euphorbia grandicornis* N.E. Br. ssp. *sejuncta* Leach 17672  
**R** 17672 Mozambique 17672
- R** **II** *Euphorbia graniticola* Leach 17672  
**R** Mozambique
- R** **II** *Euphorbia greenwayi* Bally & S. Carter 17672  
**R** 17672 Tanzania 15926
- R** *Euphorbia gregerseii* K.Maly ex Beck 17672, 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- E II *Euphorbia groenewaldii* R.A.Dyer 20604, 15922  
E 20604 South Africa - Transvaal (Pietersburg District) 20604
- R II *Euphorbia grosseri* Pax 17672  
R Ethiopia
- E II *Euphorbia gymnocalycioides* M. C. Gilbert & S. Carter 19704  
E 19704 Ethiopia (Sidamo) 19704
- E *Euphorbia haeleleana* Herbst 20850, 14209, 21354  
E 20850 U.S. - Hawaii 20850
- R *Euphorbia hajirensis* A.R. Smith 15534  
R 15534 Yemen - Socotra 15534
- R II *Euphorbia hallii* R.A.Dyer 20604, 15926  
R 20604 South Africa - Cape Province (Calvinia) 20604
- E II *Euphorbia handiensis* Burchard 15926  
E 19174 Spain - Canary Is. (Fuerteventura) 15926
- R *Euphorbia heleniana* Thell. & Stapf 17672  
R 18996 St Helena 18996
- V *Euphorbia hieroglyphica* Coss. & Durieu 10488  
V 14958 Algeria 10488
- I *Euphorbia hooveri* Wheeler 17672  
I U.S. - California
- V II *Euphorbia hopetownensis* Nel 20604, 15926  
V 20604 South Africa - Cape Province (Hopetown) 20604
- V II *Euphorbia horwoodii* S. Carter & Lavranos 15926  
V Somalia 15926
- V II *Euphorbia hubertii* Pax 19525  
V Tanzania (Mwanza, Musoma) 19525
- V *Euphorbia hyberna* L. ssp. *insularis* (Boiss.) Briq. 18264, 20171  
V 18264 Italy (Liguria, Tuscany) 18264  
V 18264 Italy - Sardinia 18264
- R II *Euphorbia imitata* N.E. Br. 17672  
R 17672 Angola 17672
- E II *Euphorbia immersa* Bally & S. Carter 15926  
E 17672 Somalia 15926
- I II *Euphorbia inaequispina* N.E. Br. 17672  
I 17672 Ethiopia 17672  
I 17672 Somalia 17672
- I II *Euphorbia inculta* Bally 17672  
I 17672 Somalia 17672
- R II *Euphorbia indurescens* Leach 17672  
R 17672 Angola 17672
- I II *Euphorbia ingenticapsa* Leach 17672  
I Angola
- R *Euphorbia innocua* L.C. Wheeler 20850, 17672  
R 20850 U.S. - Texas 20850
- R II *Euphorbia isacantha* Pax 19525  
R 17672 Malawi 17672  
R Tanzania (Songea) 19525
- R *Euphorbia isaurica* M.S. Khan 12840  
R 12840 Turkey 12840
- E II *Euphorbia jansenvillensis* Nel 20604, 17672  
E 20604 South Africa - Cape Province 20604
- R II *Euphorbia jubata* Leach 15926  
R 17672 Zambia (central prov. Serenje dist.)
- 15926
- R *Euphorbia katrajensis* Gage 14782  
R 14782 India - Maharashtra 14782
- R *Euphorbia kischenensis* Vierh. 15534  
R 15534 Yemen - Socotra 15534
- R II *Euphorbia knuthii* Pax ssp. *johnsonii* (N.E. Br.) Leach 17672  
R 17672 Mozambique 17672
- V II *Euphorbia lambii* Svent. 15926  
V 20750 Spain - Canary Is. (Gomera) 21391
- R II *Euphorbia ledienii* Berger var. *dregei* N.E. Br. 17672, 20604  
R 20604 South Africa - Cape Province 20604
- I *Euphorbia leptoclada* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- I II *Euphorbia letestui* Raynal 17672  
I Cameroun.
- I II *Euphorbia leucochlamys* Chiov. 17672  
I 17672 Somalia 17672
- V II *Euphorbia louwii* L.C. Leach 20604, 15926  
K 20604 South Africa - Transvaal (north-western) 20604
- R II *Euphorbia lumbricalis* L.C. Leach 20604, 20604  
R 20604 South Africa - Cape Province 20604
- E II *Euphorbia makallensis* S. Carter 15926  
E Ethiopia (central Tigray, Makalle region) 15926
- R II *Euphorbia malevola* Leach ssp. *bechuanica* Leach 17672  
R 17672 Botswana 17672
- R *Euphorbia malvana* Maire 17672  
R Morocco
- R *Euphorbia maresii* Knoch 17672, 20171  
R 19174 Spain - Balearic Is. 19174
- E *Euphorbia margalidiana* Kuhnier & Lewejohann 17672  
E 11496 Spain - Balearic Is. (Ibiza) 17891
- V II *Euphorbia marlothiana* N.E. Br. 20604, 17672  
V 20604 South Africa - Cape Province 20604
- V II *Euphorbia marsabitensis* S. Carter 17672  
V Kenya
- I II *Euphorbia masirahensis* Ghazanfar 20146  
I 20146 Oman (Masirah Island) 20146
- R *Euphorbia mazicum* Emberger & Maire 17672  
R Morocco
- Euphorbia mellifera* Aiton 21391, 17672  
R Portugal - Madeira  
E 19174 Spain - Canary Is. 19174
- I II *Euphorbia meloformis* Aiton 20604, 17672  
I 20604 South Africa - Cape Province 20604
- V II *Euphorbia memorialis* R.A. Dyer 17672  
V 6088 Zimbabwe 6088
- V II *Euphorbia meridionalis* Bally & S. Carter 19525  
V Kenya (Nairobi, Machakos) 19525  
V Tanzania (Masai) 19525
- I II *Euphorbia millotii* Ursch & Leandri 17672  
I 18294 Madagascar 18294
- R II *Euphorbia mitriformis* Bally & S. Carter 17672  
R Somalia
- R II *Euphorbia mlanjeana* Leach 17672

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- R Malawi
- V 11 *Euphorbia monacantha* Pax 17672  
V 19704 Ethiopia (Sidamo; Bale) 19704
- V *Euphorbia monchiquensis* Franco & P.Silva 17672, 20171  
V 20076 Portugal 20076
- R 1 *Euphorbia moratii* Rauh 15658  
R Madagascar 15926
- I 11 *Euphorbia mosaica* Bally & S. Carter 17672  
I 17672 Somalia 17672
- R 11 *Euphorbia multiclava* Bally & S. Carter 15926  
R 15926 Somalia 15926
- V *Euphorbia munizii* Borh. 5607  
V 19105 Cuba (Holguin) 5607
- I 11 *Euphorbia mwinilungensis* Leach 17672  
I Angola  
I 17672 Zambia 17672
- Euphorbia neohumbertii* Rauh var. *aureo-iridiflora*  
Rauh 21391, 17672  
I Madagascar
- V *Euphorbia nephradenia* Barneby 20850  
V 20850 U.S. - Utah 20850
- I *Euphorbia nereidum* Jahand. & Maire 17672  
I Morocco
- R 11 *Euphorbia nesemannii* R.A.Dyer 20604, 17672  
R 20604 South Africa - Cape Province 20604
- R *Euphorbia nevadensis* Boiss. & Reut. 17672, 20171  
R 11496 Spain (Sierra Nevada and Levante) 20692
- V 11 *Euphorbia nigrispinoides* M. Gilbert 19704  
V 19704 Ethiopia (Shewa Upland) 19704
- E *Euphorbia norfolkiana* Boiss. 11649  
E 11649 Australia - Norfolk Is. 11649
- R 11 *Euphorbia noxia* Pax 17672  
R 20884 Somalia (north) 20884
- I 11 *Euphorbia nubigena* Leach var. *nubigena* 15926  
I Angola (north of Quibala) 15926
- I 11 *Euphorbia nyassae* Pax 17672  
I 19035 Tanzania 19035
- I *Euphorbia obcordata* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- E 11 *Euphorbia obesa* Hook.f. 20604, 17672  
E 20604 South Africa - Cape Province 20604
- I *Euphorbia oblanceolata* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- E *Euphorbia obovata* Decne. 17672  
E 16168 Egypt (Sinai) 17672
- V 11 *Euphorbia odontophora* S. Carter 15926  
V Kenya (Northern Frontier Province) 15926
- R 11 *Euphorbia ogadenensis* Bally & Carter 19704  
R 19704 Ethiopia (Bale; Harerge) 19704
- R 11 *Euphorbia oligoclada* Leach 17672  
R 17672 Angola 17672
- E *Euphorbia omariana* M. Gilbert 19704  
E 19704 Ethiopia (Bale) 19704
- R 11 *Euphorbia opuntoides* Welw. 17672  
R 17672 Angola 17672
- I 11 *Euphorbia orbiculifolia* S. Carter 20146  
I 20146 Oman (Dhofar) 20146
- R *Euphorbia origanoides* L. 3204  
R 3204 Ascension Is. 3204
- R *Euphorbia orphanidis* Boiss. 17672, 20171  
R 17672 Greece 17672
- V 11 *Euphorbia oxystegia* Boiss. 20604, 15937  
V 20604 South Africa - Cape Province (Namaqualand) 20604
- I 11 *Euphorbia pachypodioides* Boit. 17672  
I 17672 Madagascar 17672
- R 11 *Euphorbia panchganiensis* Blatt. & McCann 14782  
R 14782 India - Maharashtra 14782
- V *Euphorbia papillaris* (Boiss.) Raffaelli & Ricceri 18264  
V 18264 Italy - Sicily 18264
- R 1 *Euphorbia parvicyathophora* Rauch 15658  
R 17672 Madagascar 17672
- R *Euphorbia parvula* Del. 17672  
R 17672 Egypt 17672  
R 17672 Libya 17672
- R 11 *Euphorbia paulianii* Ursch & Léandri 17672  
R 17672 Madagascar 17672
- I 11 *Euphorbia pedemontana* L.C.Leach 20604, 20064  
I 20604 South Africa - Cape Province 20604
- R 11 *Euphorbia pedilanthoides* Denis 15926  
R 17672 Madagascar 15926
- R *Euphorbia peplidion* Engelm. 20850  
R 20850 U.S. - Texas 20850
- E 11 *Euphorbia perangusta* R.A.Dyer 20604, 15922  
E 20604 South Africa - Transvaal 20604
- I 11 *Euphorbia perarmata* S. Carter 17672  
I 17672 Somalia 17672
- I *Euphorbia perennans* (Shinn.) Warm. & M. Johnston 17672  
I 17672 U.S. - Texas 17672
- I 11 *Euphorbia perrieri* Drake var. *elongata* Denis 17672  
I 18294 Madagascar 17672
- R 11 *Euphorbia perrieri* Drake var. *perrieri* 17672  
R 17672 Madagascar 17672
- R *Euphorbia pestalozzae* Boiss. 12840  
R 17672 Turkey 12840
- V 11 *Euphorbia petraea* S. Carter 17672  
V 17672 Uganda 17672
- E 11 *Euphorbia petricola* Bally & S. Carter 15926  
E 17672 Kenya (south-east; 500 to 1000 m elevation) 15926
- R *Euphorbia petrophila* C.A. Meyer var. *armena* Boiss. 12840  
R 17672 Turkey 12840
- V 11 *Euphorbia phillipsiae* N.E. Br. 17672  
V 17672 Somalia 17672
- V *Euphorbia pinetorum* (Small) G.L. Webster 20850  
V 20850 U.S. - Florida 20850
- E 11 *Euphorbia piscidermis* Gilbert 17672  
E 17672 Ethiopia 17672
- R *Euphorbia pisidica* Hub.-Mor. & M.S. Khan 12840  
R 17672 Turkey 12840
- R 11 *Euphorbia platyrrhiza* Leach 17672  
R 17672 Zambia 17672

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- I** **II** *Euphorbia polycephala* Marloth 20604, 17672  
**I** 20604 South Africa - Cape Province 20604
- I** *Euphorbia porterana* (Small) R.C.H.M. Oudejans var. *keyensis* 17672  
**I** 17672 U.S. - Florida 17672
- I** *Euphorbia porterana* (Small) R.C.H.M. Oudejans var. *porterana* 17672  
**I** 17672 U.S. - Florida 17672
- I** *Euphorbia porterana* (Small) R.C.H.M. Oudejans var. *scoparia* 17672  
**I** 17672 U.S. - Florida 17672
- I** **II** *Euphorbia primulifolia* Baker 15658  
**I** 17672 Madagascar 15926
- R** **II** *Euphorbia proballyana* Leach 19525  
**R** 17672 Tanzania (Ruaha valley) 20921
- I** *Euphorbia proctorii* (Burch) Correll 17672  
**I** 17672 Bahamas 17672
- V** *Euphorbia pseudo-apis* Maire & M. Weiller 17672  
**V** 17672 Libya 17672
- V** **II** *Euphorbia pseudoburuana* P.R.O. Bally & S. Carter 19525  
**V** Kenya (Masai) 15926  
**V** Tanzania (Masai) 19525
- R** **II** *Euphorbia pteroclada* Leach 17672  
**R** 17672 Zaire 17672
- R** *Euphorbia punctata* Del. 17672  
**R** 17672 Egypt 17672
- R** *Euphorbia purpurea* (Raf.) Fern. 20850, 17672  
**Ex** 20850 U.S. - Delaware 20850  
**E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - New Jersey 20850  
**I** 20850 U.S. - New York 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Ohio 20850  
**E** 20850 U.S. - Pennsylvania 20850  
**V** 20850 U.S. - Virginia 20850  
**V** 20850 U.S. - West Virginia 20850
- V** **II** *Euphorbia quadrangularis* Pax 19525  
**V** 17672 Tanzania (Maswa, Kilosa, Iringa) 19525
- R** **II** *Euphorbia quadrata* Nel 20604, 17672  
**R** 20604 South Africa - Cape Province 20604
- E** **II** *Euphorbia quadrialata* Pax 19525  
**E** 17672 Tanzania (Pare, Lushoto, Handeni) 19525
- V** **II** *Euphorbia quadrilatera* Leach 19525  
**V** 17672 Tanzania (Chunya, Iringa) 19525
- E** **II** *Euphorbia quadrispina* S. Carter 15926  
**E** 17672 Kenya (near the Dawa Parma River at 400m elevation) 15926
- R** **I** *Euphorbia quartziticola* Leandri 15658  
**R** 17672 Madagascar 15926
- V** *Euphorbia rechingeri* Greuter 17672, 20171  
**V** 20730 Greece - Crete 17672
- E** *Euphorbia repetita* A. Rich. 19704  
**E** 19704 Ethiopia (Tigray, Gonder, Wello, Shewa) 19704
- I** **II** *Euphorbia reptans* Bally & S. Carter 17672  
**I** 17672 Somalia 17672
- R** **II** *Euphorbia stricta* R.A. Dyer 20604, 15922  
**R** 20604 South Africa - Transvaal (Drakensberg Mts.) 20604
- R** *Euphorbia rhytidospema* Boiss. & Bal. 12840  
**R** 17672 Turkey 12840
- R** **II** *Euphorbia richardsiae* Leach ssp. *richardsiae* 17672  
**R** 17672 Malawi 17672
- R** **II** *Euphorbia richardsiae* Leach ssp. *robusta* Leach 17672  
**R** 17672 Malawi 17672
- V** **II** *Euphorbia rossii* Rauh & Buchloh 17672  
**V** 17672 Madagascar 17672
- R** **II** *Euphorbia rowlandii* R.A. Dyer 20604, 15922  
**R** 20604 Zimbabwe 20604  
**R** 20604 South Africa - Transvaal (Kruger N.P. & Venda) 20604
- E** **II** *Euphorbia rubella* Pax 21391, 15926  
**E** 17672 Ethiopia 15926
- R** **II** *Euphorbia rubrispinosa* S. Carter 19525  
**R** 17672 Tanzania (Kigoma) 19525
- E** *Euphorbia ruiziana* (Klotzsch & Garcke) Boiss. 17672  
**E** 17672 Peru 17672
- I** **II** *Euphorbia sacchii* Chiov. 17672  
**I** 17672 Somalia 17672
- R** *Euphorbia sanasunitensis* Hand.-Mazz. 12840  
**R** 17672 Turkey 12840
- E** **II** *Euphorbia saxorum* Bally & S. Carter 17672  
**E** 17672 Kenya 17672
- R** **II** *Euphorbia schizacantha* Pax 15926  
**R** 15926 Ethiopia 15926  
**R** 17672 Kenya 17672  
**V** 15926 Somalia 15926
- R** **II** *Euphorbia schmitzii* Leach 17672  
**R** 17672 Zaire 17672
- V** **II** *Euphorbia schoenlandii* Pax 20604, 15932  
**E** 15932 South Africa (Vanrhynsdorp area) 15932  
**V** 20604 South Africa - Cape Province 20604
- I** **II** *Euphorbia scitula* Leach 17672  
**I** 17672 Angola 17672
- R** *Euphorbia sclerocyathium* Korovin & Popov 17672  
**R** 17672 former USSR 6930
- E** **II** *Euphorbia sebsebei* M. G. Gilbert 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- V** *Euphorbia seguieriana* Necker ssp. *loiseleurii* (Rouy) P. Fourn. 20528  
**V** 20528 France 20528  
**E** 13892 Netherlands 13892
- R** **II** *Euphorbia sekukuniensis* R.A. Dyer 20604, 15922  
**R** 20604 South Africa - Transvaal (Lebowa) 20604
- I** **II** *Euphorbia semperflorens* Leach 15926  
**I** 17672 Angola (south-western; Mozamedes district) 15926
- V** **II** *Euphorbia sepulta* Bally & S. Carter 17672  
**V** 17672 Somalia 17672
- R** **II** *Euphorbia sereti* De Wild. ssp. *sereti* 17672  
**R** 17672 Zaire 17672
- R** **II** *Euphorbia socotrana* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- R** **II** *Euphorbia spiralis* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- I** **II** *Euphorbia strangulata* N.E. Br. ssp. *deminuens* Leach 17672  
**I** 17672 Angola 17672

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Euphorbia*

- I** II *Euphorbia strangulata* N.E. Br. ssp.  
*strangulata* 17672  
**I** 17672 Angola 17672
- R** *Euphorbia strictior* Holz. 20850, 17672  
**R** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Texas 20850
- R** II *Euphorbia stygiana* H.C. Watson 17672, 20171  
**R** 17672 Portugal - Azores 17672
- R** II *Euphorbia subscandens* Bally & S. Carter 17672  
**R** 17672 Kenya 17672
- V** *Euphorbia sultan-hassei* Strid 20730  
**V** 20730 Greece - Crete 20730
- E** II *Euphorbia symmetrica* A.C. White, R.A. Dyer & B. Sloane 20604, 17672  
**E** 17672 South Africa 17672  
**V** 20604 South Africa - Cape Province 20604
- E** *Euphorbia tacnensis* F. Philippi 17672  
**E** 17672 Peru 17672
- E** II *Euphorbia tanaensis* Bally 17672  
**E** 17672 Kenya (Witu forest) 17435
- E** *Euphorbia telephioides* Chapman 20850, 15914  
**E** 20850 U.S. - Florida (coastal lowlands in Bay, Gulf, & Franklin Cos. (22 sites)) 20850
- R** II *Euphorbia tenuispinosa* Gilli 17672  
**R** 17672 Kenya 17672
- I** II *Euphorbia tetracantha* Rendle 17672  
**I** 17672 Ethiopia 17672
- R** *Euphorbia thulinii* S. Carter 20884  
**R** 20884 Somalia (north-east) 20884
- E** II *Euphorbia torta* Pax & K. Hoffm. 19525  
**E** 17672 Tanzania (Tabora, Iringa) 17672
- V** II *Euphorbia tortirama* R.A. Dyer 20604, 15922  
**V** 20604 South Africa - Transvaal (Waterberg, Potgieterrust & Zoutpansberg) 20604
- V** *Euphorbia transtagana* Boiss. 17672, 20171  
**V** 20076 Portugal 20076
- Euphorbia triaculeata* Forsk. var. *triacantha* (Ehrenb. ex Boiss.) N.E. Br. 21391, 17672  
**I** 17672 Djibouti 17672  
**V** 17672 Ethiopia 17672  
**I** 17672 Sudan 17672
- V** II *Euphorbia triaculeata* Forsk. 21391, 17672  
**V** 17672 Saudi Arabia (Arabian Peninsula) 17672
- V** *Euphorbia trichotoma* Kunth 19002  
**I** 20850 U.S. - Florida 20850
- E** II *Euphorbia turbiniformis* Chiov. 17672  
**E** Somalia
- V** II *Euphorbia turkanensis* S. Carter 17672  
**V** 17672 Kenya 17672
- V** II *Euphorbia uhligiana* Pax 17672  
**V** 17672 Kenya (Masai) 19525  
**V** 17672 Tanzania (Masai, Lushoto) 19525
- R** II *Euphorbia umfoloziensis* Peckover 20604, 20064  
**R** 20604 South Africa - Natal 20604
- R** II *Euphorbia unicornis* R.A. Dyer 17672  
**R** 17672 Mozambique 17672
- E** II *Euphorbia uniglans* M. Gilbert 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- V** II *Euphorbia uzruk* S. Carter & J.R.I. Wood 17672  
**V** 17672 Yemen 17672
- R** II *Euphorbia vaalputsiana* L.C. Leach 20604, 20064  
**R** 20604 South Africa - Cape Province 20604
- V** II *Euphorbia valida* N.E. Br. 20604, 17672  
**V** 20604 South Africa - Cape Province 20604
- I** II *Euphorbia vallis* Leach 15926  
**I** 15926 Angola (Huila) 15926
- R** *Euphorbia veneris* Khan 14230  
**R** 17672 Cyprus (Troodos) 14230
- I** II *Euphorbia viduiflora* Leach 17672  
**I** 17672 Angola 17672
- V** II *Euphorbia vittata* S. Carter 17672  
**V** 17672 Kenya 17672
- E** II *Euphorbia wakefieldii* N.E. Br. 17672  
**E** 17672 Kenya (Mombasa-Kilifi) 20057  
**E** 20057 Tanzania (South Pare Mnts.) 17435
- V** II *Euphorbia waterbergensis* R.A. Dyer 20604, 15922  
**V** 20604 South Africa - Transvaal (Waterberg District) 20604
- I** II *Euphorbia wildii* Leach 7924  
**I** 17672 Zimbabwe 7924
- R** II *Euphorbia williamsonii* Leach 15926  
**R** 17672 Zambia (Northern Province) 15926
- R** *Euphorbia yarovlavii* Poljakov 17672  
**R** 17672 former USSR 6930
- R** *Euphorbia zhiguliensis* Prokh. 17672, 20171  
**R** 11552 Russian Federation (western) 11552
- R** II *Euphorbia zoutpansbergensis* R.A. Dyer 20604, 15922  
**R** 20604 South Africa - Transvaal (Zoutpansberg District) 20604
- V** *Excoecaria benthamiana* Hemsley 14296  
**V** 19182 Seychelles (granitic) 14296
- R** *Excoecaria poilanei* Gagnepain 6057  
**R** Vietnam 6057
- I** *Excoecaria rectinervis* (Kurz) Kurz 7771  
**I** India - Nicobar Is. (Katchal Is.) 7771
- R** *Excoecaria simii* (Kuntze) Pax 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Fahrenheitia integrifolia* (Airy Shaw) Airy Shaw  
**I** India - Kerala  
**I** India - Tamil Nadu
- E** *Flueggea anatolica* Gemici 20698  
**E** 20698 Turkey 20698
- I** *Flueggea elliptica* (Sprengel) Baillon 11196  
**I** 11196 Ecuador 11196
- E** *Flueggea neowawraea* W. Hayden 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu, Hawai'i) 20850
- I** *Flueggea schuechiana* (Muell. Arg.) Webster 11196  
**I** 11182 Brazil 11196
- V** *Fontainea australis* Jessup & Guymer 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** *Fontainea oraria* Jessup & Guymer 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Fontainea picrosperma* C. White 20681  
**R** 20681 Australia - Queensland 20681
- V** *Fontainea rostrata* Jessup & Guymer 20681  
**V** 20681 Australia - Queensland 20681
- V** *Fontainea venosa* Jessup & Guymer 20681



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Fontainea*

- V 20681 Australia - Queensland 20681
- I** *Glochidion andamanicum* Kurz 7771  
I India - Andaman Is. (South) 7771
- R** *Glochidion balansae* Beille 6057  
R Vietnam 6057
- I** *Glochidion bourdillonii* Gamble  
I India - Kerala (Travancore Hills)
- I** *Glochidion cenabrei* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Glochidion dolichostylum* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Glochidion kerrii* Craib 19120  
R 19120 Thailand 19120
- R** *Glochidion manono* Baillon ex J.Mueller 20845  
V 20845 French Polynesia - Society Is. 20845
- I** *Glochidion nemorale* Thwaites 10252  
I 16162 Sri Lanka 10252
- I** *Glochidion palawanense* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- I** *Glochidion pauciflorum* Gamble  
I India - Tamil Nadu
- R** *Glochidion pruinatum* Airy Shaw 20681  
R 20681 Australia - Queensland 20681
- I** *Glochidion pulgarens* Elm. 13833  
I 13833 Philippines (Mt. Pulgar) 13833
- R** *Glochidion pungens* Airy Shaw 20681  
R 20681 Australia - Queensland 20681
- E** *Glochidion raivavense* F.Brown 8050  
E 20845 French Polynesia - Tubuai Is. 20845
- R** *Grimmeodendron jamaicense* Urb. 20883, 19890  
R 19890 Jamaica 20883
- Ex/E** *Haptanthus hazlettii* Goldberg & C. Nelson (Family Unresolved) 20050  
Ex/E 20050 Honduras 20050
- E** *Hieronima crassistipula* Urban 5607  
E 19105 Cuba (Juventud Is.) 5607
- V** *Hieronima clusioides* (Tul.) Muell.-Arg. 20883  
I 20883 Puerto Rico 20883
- V** *Hieronima jamaicensis* Urb. 20883  
V 20883 Jamaica 20883
- E** *Jatropha bullockii* E. J. Lott 20883  
I 20883 Mexico 20883
- E** *Jatropha chacoana* Fernández Casas 20883  
E 20883 Paraguay 20883
- E** *Jatropha chameleensis* Jerez-Jiménez 11185  
E 11182 Mexico - Jalisco 11185
- E** *Jatropha costaricensis* 20883, 11149  
E 7961 Costa Rica (nr Playas del Coco) 20883
- R** *Jatropha giffordiana* Dehgan & Webster 9002  
R 9703 Mexico 9002
- E** *Jatropha horizontalis* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- R** *Jatropha moranii* Dehgan & Webster 9002  
R 9703 Mexico 9002
- R** *Jatropha ricinifolia* Pax in Engl. 20883  
R 20883 Paraguay 20883
- E** *Jatropha stevensii* Webster 20883, 11195  
E 11182 Nicaragua 20883
- R** *Jatropha vernicosa* Brandegee 9002  
R 11182 Mexico 9002
- V** *Joannesia princeps* Vell. 20883, 10370  
V 20883 Brazil 20883
- I** *Koiledepas calycinum* Beddome 5375  
I India - Tamil Nadu 5375
- I** *Lasiococca comberi* Haines  
I India - Andhra Pradesh
- E** *Lasiocroton fawcettii* Urb. 20883  
E 20883 Jamaica 20883
- E** *Lasiocroton gracilis* Britton & P. Wilson 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- V** *Lasiocroton harrisii* Britton 20883, 13336  
V 13336 Jamaica 20883
- R** *Lasiocroton macrophyllus* (Sw.) Griseb. 20883  
R 20883 Jamaica 20883
- E** *Lasiocroton trelawniensis* Adams 20883, 13336  
E 13336 Jamaica 20883
- R** *Lautenbergia neraudiana* (Baillon) Coode 10082  
R 20771 Mauritius 10082  
Ex 14981 Seychelles 14981
- I** *Leptopus colchicus* (Fischer & C. Meyer) Pojark. 5942  
I 5942 Georgia 5942
- R** *Leucocroton bracteosus* Urban 5607  
R 19105 Cuba (Santiago de Cuba) 5607
- R** *Leucocroton brittonii* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- R** *Leucocroton discolor* Urban 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V** *Leucocroton moncadae* Borh. 5607  
V 19105 Cuba 5607
- V** *Leucocroton pallidus* Britton 5607  
V 19105 Cuba (Guantanamo) 5607
- R** *Liodendron formosanum* (Kaneh. & Sas.) H. Keng 14961  
R 20511 Taiwan 20511
- V** *Macaranga beillei* Prain 7926  
V 20887 Côte d'Ivoire 7926
- V** *Macaranga bicolor* Muell.-Arg. 13780  
V 15960 Philippines 13780
- V** *Macaranga caudatifolia* Elm. 13780  
V 15960 Philippines 13780
- I** *Macaranga cogostiflora* Merr. 13833  
I 13833 Philippines 13833
- R** *Macaranga conglomerata* Brenan 20057  
R 19109 Kenya (Taita hills) 20057  
R 20057 Tanzania (Magamba & Sungwi forest reserves) 17435
- I** *Macaranga flexuosa* Wight  
I India - Tamil Nadu
- V** *Macaranga grandifolia* (Blanco) Merr. 13780  
V 15960 Philippines 13780
- V** *Macaranga mauritiana* Bojer ex Muell. Arg. 10082  
V 20771 Mauritius 10082
- E** *Macaranga raivavaeensis* H. Saint John 20845  
E 20845 French Polynesia - Tubuai Is. (Raivavaé) 20845
- R** *Macaranga taitensis* (J.Mueller) J.Mueller 20845  
R 20845 French Polynesia - Society Is. (Tahiti) 20845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Macaranga*

- R** *Macaranga trigonostemonoides* Croizat 6057  
**R** Vietnam 6057
- I** *Mallotus bracteatus* Hook.f. 17450  
**I** Malaysia - Peninsular Malaysia (Perlis; Perak)
- R** *Mallotus fuscescens* Muell.Arg. 10276  
**R** 12838 Sri Lanka 10276
- I** *Mallotus odoratus* Elm. 13833  
**I** 13833 Philippines (Camiguin Isand) 13833
- V** *Manihot acuminatissima* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- E** *Manihot affinis* Pax 20883  
**E** 20883 Brazil 20883
- E** *Manihot alutacea* Rogers & Appan 20883  
**I** 20883 Brazil 20883
- E** *Manihot anomala* ssp. *cujabensis* (Mueller von Argau) Rogers & Appan 20883  
**E** 20883 Brazil 20883
- V** *Manihot attenuata* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- E** *Manihot auriculata* McVaugh 20883, 9702  
**E** 20883 Mexico 20883
- E** *Manihot brachyandra* Pax & K. Hoffmann 20883  
**E** 20883 Brazil 20883
- V** *Manihot caerulescens* ssp. *macrantha* (Pax & K. Hoffmann) Rogers & Appan 20883  
**I** 20883 Paraguay 20883
- R** *Manihot caerulescens* ssp. *paraensis* (Mueller von Argau) Rogers & Appan 20883  
**I** 20883 Brazil 20883
- V** *Manihot catingae* Ule 20883  
**I** 20883 Brazil 20883
- V** *Manihot condensata* Rogers & Appan 20883  
**I** 20883 Bolivia 20883
- V** *Manihot corymbiflora* Pax 20883  
**I** 20883 Brazil 20883
- E** *Manihot crotalariaeformis* Pohl 20883  
**E** 20883 Brazil 20883
- R** *Manihot divergens* Pohl 20883  
**R** 20883 Brazil 20883
- V** *Manihot falcata* Rogers & Appan 20883  
**I** 20883 Brazil 20883
- R** *Manihot filamentosa* Pittier 20883  
**I** 20883 Venezuela 20883
- E** *Manihot flemingiana* Rogers & Appan 20883  
**E** 20883 Brazil 20883
- V** *Manihot fruticulosa* (Pax) Rogers & Appan 20883  
**I** 20883 Brazil 20883
- R** *Manihot gracilis* ssp. *varians* (Pohl) Rogers & Appan 20883  
**I** 20883 Brazil 20883
- R** *Manihot guaranitica* ssp. *boliviana* (Pax & K. Hoffmann) Rogers & Appan 20883  
**I** 20883 Bolivia 20883
- E** *Manihot handroana* N. D. Cruz 20883  
**E** 20883 Brazil 20883
- E** *Manihot hassleriana* Chodat 20883  
**I** 20883 Paraguay 20883
- V** *Manihot heptaphylla* Ule 20883  
**I** 20883 Brazil 20883
- R** *Manihot inflata* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- V** *Manihot irwinii* Rogers & Appan 20883  
**I** 20883 Brazil 20883
- R** *Manihot jacobinensis* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- V** *Manihot janiphoides* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- E** *Manihot jolyana* N. D. Cruz 20883  
**E** 20883 Brazil 20883
- R** *Manihot leptopoda* (Mueller von Argau) Rogers & Appan 20883  
**I** 20883 Brazil 20883
- R** *Manihot longepetiolata* Pohl 20883  
**R** 20883 Brazil 20883
- E** *Manihot maracasensis* Ule 20883  
**E** 20883 Brazil 20883
- R** *Manihot marajoara* Chermonte de Miranda apud Huber 20883  
**I** 20883 Brazil 20883
- V** *Manihot michaelis* McVaugh 20883, 9702  
**V** 20883 Mexico 20883
- E** *Manihot mirabilis* Pax 20883  
**I** 20883 Paraguay 20883
- V** *Manihot mossamedensis* Taubert 20883  
**I** 20883 Brazil 20883
- V** *Manihot nana* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- R** *Manihot oligantha* Pax 20883  
**R** 20883 Brazil 20883
- E** *Manihot orbicularis* Pohl 20883  
**E** 20883 Brazil 20883
- V** *Manihot paviaeifolia* Pohl 20883  
**V** 20883 Brazil 20883
- V** *Manihot peltata* Pohl 20883  
**I** 20883 Brazil 20883
- E** *Manihot pentaphylla* ssp. *graminifolia* (Chodat & Hassler) Rogers & Appan 20883  
**I** 20883 Paraguay 20883
- R** *Manihot pentaphylla* ssp. *pentaphylla* 20883  
**I** 20883 Brazil 20883
- R** *Manihot peruviana* Mueller von Argau 20883  
**I** 20883 Peru 20883
- V** *Manihot pohlii* Wawra 20883  
**V** 20883 Brazil 20883
- V** *Manihot populifolia* Pax 20883  
**I** 20883 Paraguay 20883
- R** *Manihot pseudoglaziovii* Pax & K. Hoffmann 20883  
**R** 20883 Brazil 20883
- E** *Manihot purpureo-costata* Pohl 20883  
**I** 20883 Brazil 20883
- E** *Manihot pusilla* Pohl 20883  
**E** 20883 Brazil 20883
- E** *Manihot quinquefolia* Pohl 20883  
**E** 20883 Brazil 20883
- V** *Manihot quinqueloba* Pohl 20883  
**I** 20883 Brazil 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Manihot*

- R** *Manihot reniformis* Pohl 20883  
**R** 20883 Brazil 20883
- V** *Manihot reptans* Pax 20883  
**I** 20883 Brazil 20883
- R** *Manihot rubricaulis* M. Johnston 20883  
**I** 20883 Mexico 20883
- V** *Manihot sagittato-partita* Pohl 20883  
**I** 20883 Brazil 20883
- R** *Manihot sparsifolia* Pohl 20883  
**R** 20883 Brazil 20883
- R** *Manihot stipularis* Pax 20883  
**R** 20883 Brazil 20883
- R** *Manihot surinamensis* Rogers & Appan 20883  
**I** 20883 Guyana 20883  
**I** 20883 Suriname 20883  
**I** 20883 Venezuela 20883
- V** *Manihot tenella* Mueller von Argau 20883  
**I** 20883 Brazil 20883  
**I** 20883 Paraguay 20883
- R** *Manihot tomentosa* ssp. *araliaefolia* (Pax) Rogers & Appan 20883  
**R** 20883 Brazil 20883
- R** *Manihot tripartita* ssp. *humilis* (Mueller von Argau) Rogers & Appan 20883  
**I** 20883 Brazil 20883
- V** *Manihot tripartita* ssp. *vestita* (S. Moore) Rogers & Appan 20883  
**V** 20883 Brazil 20883
- E** *Manihot tristis* ssp. *surumuensis* (Ule) Rogers & Appan 20883  
**E** 20883 Brazil 20883
- R** *Manihot tristis* ssp. *tristis* 20883  
**I** 20883 Venezuela 20883
- V** *Manihot variifolia* Pax 20883  
**I** 20883 Paraguay 20883
- E** *Manihot walkerae* Croizat 20883, 20850, 9702  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883  
**V** 9702 Mexico - Tamaulipas 9702
- E** *Manihot warmingii* Mueller von Argau 20883  
**I** 20883 Brazil 20883
- E** *Manihot weddelliana* Baillon 20883  
**E** 20883 Brazil 20883
- R** *Manihot xavantinensis* Rogers & Appan 20883  
**I** 20883 Brazil 20883
- E** *Manihot zehntneri* Ule 20883  
**E** 20883 Brazil 20883
- I** *Margaritaria holteana* (Urb. & Ekman) Webster 11198  
**I** Haiti 11198
- R** *Meineckia bartlettii* (Standley) Webster 9700  
**R** 11182 Belize 9700
- I** *Meineckia filipes* (Balf. f.) Webster 15534  
**I** 15534 Yemen - Socotra 15534
- I** *Meineckia longipes* (Wight) Webster  
**I** India - Kerala (Quilon, Malabar)  
**I** India - Tamil Nadu
- R** *Micranthemum serpentinum* Orch. 20681  
**R** 20681 Australia - Tasmania 20681
- V** *Micrococca scariosa* Prain 20057  
**V** 20057 Kenya (Pangani; Gongoni) 20057
- V** 20057 Tanzania (Zanzibar, Tanga & coast) 20900
- I** *Micrococca wightii* (Wallich ex Hook.f.) Prain var. *hirsutum* (Hook.f.) Prain  
**I** India - Tamil Nadu
- I** *Moacrotan leonis* Croizat 5607  
**I** Cuba (Holguin) 5607
- V** *Moacrotan revolutus* Alain 5607  
**V** 19105 Cuba (Habana, Matanzas) 5607
- V** *Moacrotan tetramerus* Borh. & Muniz 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Monadenium arborescens* Bally 19525  
**R** 19035 Tanzania (Kilosa) 19525
- R** *Monadenium coccineum* Pax 19525  
**R** 19035 Tanzania (Masai, Tabora, Dodoma) 19525
- R** *Monadenium ellenbeckii* N.E. Br. 15926  
**R** 19035 Ethiopia (southern) 15926  
**R** 19035 Kenya (northern) 15926  
**I** 19035 Somalia (northern; isolated colonies) 15926
- I** *Monadenium erubescens* (Rendle) N.E. Br.  
**I** 19035 Somalia 19035
- I** *Monadenium guentheri* Pax var. *guentheri* 19035  
**I** 19035 Kenya 19035
- I** *Monadenium heteropodum* (Pax) N.E. Br. var. *heteropodum* 19525  
**I** 19035 Tanzania (Lushoto) 19525
- I** *Monadenium magnificum* E.A. Bruce 19525  
**I** 19035 Tanzania (Mpwapwa) 19525
- R** *Monadenium majus* N.E. Brown 15926  
**R** 19035 Ethiopia 15926
- I** *Monadenium montanum* Bally var. *rubellum* Bally 19035  
**I** 19035 Kenya 19035
- V** *Monadenium parviflorum* N.E. Br. 7865  
**V** Malawi (Nyika Plateau) 7865
- R** *Monadenium reflexum* Chiov. 19035  
**R** 6087 Ethiopia 6087  
**I** 19035 Kenya 19035
- E** *Monadenium shebeliensis* M. Gilbert 19704  
**E** 19704 Ethiopia (Harerge) 19704
- R** *Monadenium spinescens* (Pax) Bally 15926  
**R** 19035 Tanzania (Chunya) 19525
- I** *Monadenium stellatum* Bally 19035  
**I** 19035 Somalia 19035
- E** *Myricanthe discolor* Airy Shaw 20893  
**E** 20893 New Caledonia 20893
- V** *Necepsia castaneifolia* (Baill.) Bouchat & J. Leonard ssp. *chirindica* 20909  
**V** 20909 Zimbabwe 20909
- V** *Neoroepera buxifolia* Muell. Arg. & F. Muell. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Oligoceras eberhardtii* Gagnepain 6057  
**R** Vietnam 6057
- R** *Omalanthus stokesii* F. Brown 20845  
**R** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- I** *Omphalea megacarpa* Hemsf. 5932  
**I** 5932 Trinidad & Tobago 5932

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Omphalea*

- R** *Omphalea papuana* Pax & K.Hoffm. 20681  
R 20681 Australia - Queensland 20681
- R** *Omphalea queenslandiae* F.Bailey 20681  
R 20681 Australia - Queensland 20681
- R** *Opheleanthus steyermarkii* Standley 9004  
R 11182 Guatemala 9004
- R** *Oreoporanthera petalifera* Orch. & J.B.Davies 20681  
R 20681 Australia - Tasmania 20681
- E** *Ostodes minor* (Thwaites) Muell.arg. 12838  
E 12838 Sri Lanka 12838
- V** *Pedilanthus tithymaloides* ssp. *jamaicensis* (Millsp. & Britton) Dressler 20883  
V 20883 Jamaica 20883
- E** *Pera aperta* Croiz. 20883, 9006  
I 20883 Panama 20883
- R** *Phyllanthus abnormis* G.L. Webster var. *riograndensis* G.L. Webster 20850  
R 20850 U.S. - Texas 20850
- R** *Phyllanthus adiantoides* Klotzsch 8679  
R 8679 Guyana 8679  
R 8679 Suriname 8679
- I** *Phyllanthus affinis* Muell.Arg. 10252  
I 16162 Sri Lanka 10252
- I** *Phyllanthus anabaptizatus* Muell.Arg. 10252  
I 16162 Sri Lanka 10252
- Ex** *Phyllanthus aoraiensis* Nadeaud 20845  
Ex 20845 French Polynesia - Society Is. (Tahiti) 20845
- V** *Phyllanthus aoupinieensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- I** *Phyllanthus apiculatus* Urban 5607  
I 5607 Cuba 5607
- R** *Phyllanthus arbuscula* (Sw.) J.F. Gmel. 20883  
R 20883 Jamaica 20883
- R** *Phyllanthus arenarius* Beille 6057  
I 20985 Vietnam 6057
- V** *Phyllanthus artensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- R** *Phyllanthus austinii* Standley 9004  
R 11182 Guatemala 9004
- V** *Phyllanthus avanguiensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- V** *Phyllanthus axillaris* (Sw.) Mull. 20883, 13336  
V 13336 Jamaica 20883
- R** *Phyllanthus balansae* Beille 6057  
R Vietnam 6057
- E** *Phyllanthus barauaensis* M. Schmid 20893  
E 20893 New Caledonia 20893
- E** *Phyllanthus barbarae* M. C. Johnst. 20883, 12067  
I 20883 Mexico 20883  
E 11182 Mexico - Tamaulipas (south-west) 12067
- E** *Phyllanthus borenensis* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- R** *Phyllanthus brassii* C.White 20681  
R 20681 Australia - Queensland 20681
- V** *Phyllanthus buxoides* Guillaumin 20893  
V 20893 New Caledonia 20893
- I** *Phyllanthus cardiophyllus* Urban 5607  
I 5607 Cuba 5607
- R** *Phyllanthus carinatus* Beille 6057  
R Vietnam 6057
- I** *Phyllanthus casearoides* 20802  
I 20802 New Caledonia 20802
- R** *Phyllanthus cauliflorus* (Sw.) Griseb. 20883, 13336  
R 13336 Jamaica 20883
- V** *Phyllanthus cherrieri* M. Schmid 20893  
V 20893 New Caledonia 20893
- V** *Phyllanthus chryseus* Howard 5607  
V 19105 Cuba (Holguin) 5607
- V** *Phyllanthus cladanthus* Mull. 20883  
V 20883 Jamaica 20883
- V** *Phyllanthus comosus* Urban 5607  
V 19105 Cuba (Holguin) 5607
- Ex** *Phyllanthus comptonii* 20893  
Ex 20802 New Caledonia 20802
- R** *Phyllanthus confusus* Brenan 7849  
R Malawi 7849
- V** *Phyllanthus conjugatus* M. Schmid 20893  
V 20893 New Caledonia 20893
- R** *Phyllanthus consanguineus* Muell. Arg. 10082  
R 14233 Réunion 10082
- V** *Phyllanthus cristalensis* Urban 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V** *Phyllanthus deciduiramus* Däniker 20893  
V 20893 New Caledonia 20893
- V** *Phyllanthus deplanchei* (Baillon) Muell.Arg. 20802  
V 20893 New Caledonia 20802
- V** *Phyllanthus dewildiorum* M. Gilbert 19704  
V 19704 Ethiopia (Welega, Kefa.) 19704
- V** *Phyllanthus dumbeaensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- R** *Phyllanthus dumetosus* Poirlet 10082  
R 5852 Mauritius - Rodrigues 5852
- V** *Phyllanthus dzumacensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- E** *Phyllanthus echinospermus* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V** *Phyllanthus ericoides* Torr. 20883, 20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E** *Phyllanthus eximus* Webster & Proctor 20883  
E 20883 Jamaica 20883
- I** *Phyllanthus fadyenii* Urb. 20883, 13336  
I 13336 Jamaica 20883
- V** *Phyllanthus filicifolius* Gage  
V Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- E** *Phyllanthus fractiflexus* M. Schmid 20893  
E 20893 New Caledonia 20893
- I** *Phyllanthus glochidioides* Elm. 13833  
I 13833 Philippines (low altitudes) 13833
- E** *Phyllanthus golonensis* M. Schmid 20893  
E 20893 New Caledonia 20893
- V** *Phyllanthus guillauminii* Däniker 20893  
V 20893 New Caledonia 20893
- E** *Phyllanthus gypsicola* McVaugh 9692  
E 11182 Mexico - Colima 21204
- I** *Phyllanthus hakgalensis* Thwaites ex Trimen 10252

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Phyllanthus*

- I 16162 Sri Lanka 10252
- E *Phyllanthus harrimanii* Webster 11197  
E 11182 Mexico 11197
- E *Phyllanthus hexadactylus* McVaugh 9692  
E 11182 Mexico 9692
- V *Phyllanthus houailouensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- R *Phyllanthus hypospodius* F. Muell. 20681  
R 20681 Australia - Queensland 20681
- V *Phyllanthus jaffrei* M. Schmid 20893  
V 20893 New Caledonia 20893
- I *Phyllanthus jardinii* J. Mueller 20845  
I 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- Ex/E *Phyllanthus jaubertii* 20802  
Ex/E 20802 New Caledonia 20802
- I *Phyllanthus kerrii* Airy Shaw 19120  
I 19120 Thailand 19120
- V *Phyllanthus koghiensis* Guillaumin 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus koniamboensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus kouaouaensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- R *Phyllanthus lanceolatus* Poiret 10082  
R 20771 Mauritius 10082
- R *Phyllanthus latifolius* Sw. 20883  
R 20883 Jamaica 20883
- V *Phyllanthus leibmannianus* (Small) G.L. Webster ssp. *platylepis* (Small) G.L. Webster 20850  
V 20850 U.S. - Florida 20850
- V *Phyllanthus longeramosus* Guillaumin ex M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus luciliae* M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus mandjeliaensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus margaretae* M. Schmid 20893  
V 20893 New Caledonia 20893
- E *Phyllanthus mauritanus* H.H. Johnston 10082  
E 20771 Mauritius 10082
- E *Phyllanthus mcphersonii* M. Schmid 20893  
E 20893 New Caledonia 20893
- R *Phyllanthus megapodus* Webster 10200  
R Dominica (only around Diablotins) 10200  
I 19001 Martinique 19001
- V *Phyllanthus meuiensis* M. Schmid 20893  
V 20893 New Caledonia 20893
- E *Phyllanthus mickelii* McVaugh 9692  
E 11182 Mexico 9692
- E *Phyllanthus minarum* Standley & Steyerl. 9004  
E 11182 Guatemala 9004
- R *Phyllanthus montanus* (Sw.) Sw. 20883  
R 20883 Jamaica 20883
- V *Phyllanthus moratii* M. Schmid 20893  
V 20893 New Caledonia 20893
- E *Phyllanthus nanus* Millsp. 5607  
E 19105 Cuba (Juventud Is.) 5607
- E *Phyllanthus narayanaswamii* Gamble 11494  
E 11494 India - Andhra Pradesh (east Ghats) 11494
- E *Phyllanthus natoensis* M. Schmid 20893  
E 20893 New Caledonia 20893
- V *Phyllanthus nitens* M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus nothisii* M. Schmid 20893  
V 20893 New Caledonia 20893
- E *Phyllanthus oppositifolius* Baillon ex Muell. Arg. 10082  
E 20771 Mauritius 10082
- R *Phyllanthus orientalis* (Craib) Airy Shaw 19120  
R 19120 Thailand 19120
- E *Phyllanthus paucitipalus* M. Schmid 20893  
E 20893 New Caledonia 20893
- V *Phyllanthus peltatus* Guillaumin 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus pentaphyllus* C. Wright ex Griseb. var. *floridanus* Webster 20850  
V 20850 U.S. - Florida 20850
- E *Phyllanthus petchikaraensis* M. Schmid 20893  
E 20893 New Caledonia 20893
- R *Phyllanthus phillyreifolius* Poiret var. *commersonii* Muell.-Arg. 10082  
R 20771 Mauritius 10082
- E *Phyllanthus phillyreifolius* Poiret var. *gracilipes* Coode 10082  
E 20771 Mauritius 10082
- E *Phyllanthus phillyreifolius* Poiret var. *stylifer* Coode 10082  
E 20771 Mauritius 10082
- R *Phyllanthus phillyreifolius* Poiret var. *telfairianus* Muell.-Arg. 10082  
R 20771 Mauritius 10082
- E *Phyllanthus phillyreifolius* Poiret var. *triangularis* Muell.-Arg. 10082  
E 20771 Mauritius 10082
- E *Phyllanthus pileostigma* Coode 10082  
E 20771 Mauritius 10082
- E *Phyllanthus pindaiensis* M. Schmid 20802  
E 20893 New Caledonia 20802
- E *Phyllanthus pinjenensis* M. Schmid 20893  
E 20893 New Caledonia 20893
- E *Phyllanthus pinosius* Urban 5607  
E 19105 Cuba (Juventud Is.) 5607
- V *Phyllanthus polygynus* M. Schmid 20893  
V 20893 New Caledonia 20893
- V *Phyllanthus poumensis* Guillaumin 20893  
V 20893 New Caledonia 20893
- E *Phyllanthus proctoris* Webster 20883  
E 20883 Jamaica 20883
- V *Phyllanthus profusus* N.E.Br. 20858  
V 20858 Ghana 20858  
V 20858 Guinea 7926  
V 20858 Liberia 7926
- V *Phyllanthus pterocladus* S. Moore 20893  
V 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Phyllanthus*

- E** *Phyllanthus pulverulentus* Urban 5607  
**E** 19105 Cuba (Santiago de Cuba) 5607
- V** *Phyllanthus quintuplinervis* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- E** *Phyllanthus revaughanii* Coode 10082  
**E** 20771 Mauritius 10082
- V** *Phyllanthus rhodocladus* S. Moore 20893  
**V** 20893 New Caledonia 20893
- E** *Phyllanthus rozennae* M. Schmid 20893  
**E** 20893 New Caledonia 20893
- R** *Phyllanthus rubescens* Beille 6057  
**R** Vietnam 6057
- R** *Phyllanthus sacleuxii* Radc.-Sm. 20057  
**R** 20057 Kenya (Shimba, Taita & Salgalla hills) 20057
- R** *Phyllanthus sauropodoides* Airy Shaw 20681  
**R** 20681 Australia - Queensland 20681
- E** *Phyllanthus standleyi* McVaugh 9692  
**E** 11182 Mexico 9692
- E** *Phyllanthus stenophyllus* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- V** *Phyllanthus stipitatus* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- R** *Phyllanthus talbotii* Sedw. 14782  
**R** 14782 India - Karnataka 14782
- V** *Phyllanthus tangoensis* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- V** *Phyllanthus tiebaghiensis* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- V** *Phyllanthus tireliae* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- V** *Phyllanthus tixieri* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- I** *Phyllanthus tuerckheimii* Webster 9704  
**I** 11182 Guatemala 9704
- E** *Phyllanthus unifoliatus* M. Schmid 20802  
**E** 20893 New Caledonia 20802
- V** *Phyllanthus unioensis* M. Schmid 20893  
**V** 20893 New Caledonia 20893
- R** *Phyllanthus urceolatus* Baillon 20845  
**R** 20845 French Polynesia - Society Is. 20845
- E** *Phyllanthus valerii* Standley 9037  
**E** 11182 Costa Rica 9037
- E** *Phyllanthus veillonii* M. Schmid 20893  
**E** 20893 New Caledonia 20893
- V** *Phyllanthus virgultiramus* Däniker 20893  
**V** 20893 New Caledonia 20893
- R** *Phyllanthus winitii* Airy Shaw 19120  
**R** 19120 Thailand 19120
- R** *Picrodendron baccatum* (L.) Krug & Urb. 20883  
**R** 20883 Jamaica 20883
- V** *Platygyne leonis* Alain 5607  
**V** 19105 Cuba (Guantanamo) 5607
- I** *Podadenia sapida* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- V** *Podadenia thwaitesii* (Baill.) Muell. arg. 12838  
**V** 12838 Sri Lanka 12838
- V** *Pseudagrostistachys africana* (Muell. Arg.) Pax & K. Hoffm. 7926  
**V** 20858 Cameroon 18326  
**V** 20858 Equatorial Guinea (Fernando Po) 7926  
**V** 20858 Equatorial Guinea - Bioko 20274  
**V** 20858 Ghana 6072  
**V** 20858 Nigeria 7926  
**V** 20858 Sao Tome & Principe 7926
- R** *Pseudanthus divaricatissimus* (Muell. Arg.) Benth. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Pseudanthus micranthus* Benth. 20681  
**R** 20681 Australia - South Australia 20681
- Ex** *Pseudanthus nematophorus* F. Muell. 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- I** *Pseudoglochidion anamalayanum* Gamble 14782  
**I** 14782 India - Tamil Nadu 14782
- I** *Psilostachys sericea* (Koen. ex Roxb.) Hook. f.  
**I** India - Andhra Pradesh (Nellore)  
**I** India - Gujarat  
**I** India - Kerala
- I** *Ptychopyxis plagiocarpa* Airy Shaw 19120  
**I** 19120 Thailand 19120
- I** *Putranjiva zeylanica* (Thwaites) Muell. Arg. 10252  
**I** 16162 Sri Lanka 10252
- I** *Reidia beddomei* Gamble  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu (Tirunelveli District)
- I** *Reidia gageana* Gamble  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu (Tirunelveli Hills)
- I** *Reidia megacarpa* Gamble  
**I** India - Tamil Nadu (Devala, south east Wynaad)
- I** *Reidia stipulacea* Gamble  
**I** India - Tamil Nadu
- V** *Reutealis trisperma* (Blanco) Airy Shaw 7730  
**V** 15960 Philippines 7730
- R** *Richeria grandis* Vahl. 20883  
**I** 20883 Dominica 20883  
**I** 20883 Grenada 20883
- V** *Ricinocarpos gloria-medii* J.H. Willis 20681  
**V** 20681 Australia - Northern Territory 20681
- V** *Ricinocarpos trichophorus* Muell. Arg. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Ricinocarpos speciosus* Muell. Arg. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Rockinghamia brevipes* Airy Shaw 20681  
**R** 20681 Australia - Queensland 20681
- V** *Sapium aubrevillei* Leandri 15970  
**V** 20858 Côte d'Ivoire 20274  
**V** 20858 Ghana (Atewa) 15970
- R** *Sapium harrisii* Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Sapium klotzschianum* (Müll. Arg.) Huber 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- V** *Sapium laurocerasus* Desf. 20883  
**I** 20883 Puerto Rico 20883
- I** *Sapium luzonicum* Merr. 12983  
**I** 15960 Philippines 12983

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Euphorbiaceae: *Sapium*

- R** *Sapium paucinervium* Hemsley 8679  
**R** 19954 French Guiana 18176  
**R** 8679 Guyana 8679  
**R** 8679 Suriname 8679
- R** *Sapium solsii* Huft 11505  
**R** 11504 Ecuador 11505
- I** *Sapium triloculare* Pax & Hoffm. 19524  
**I** 20057 Kenya (Pangani rocks) 20057  
**I** 5926 Tanzania (Uzaramo, Masai, Newala) 19524
- I** *Sauropus assimilis* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- I** *Sauropus calcareus* M.R. Henderson  
**I** Malaysia - Peninsular Malaysia
- I** *Sauropus retroversus* Wight 10252  
**I** 16162 Sri Lanka 10252
- R** *Savia bahamensis* Britt. 20850  
**V** 20850 U.S. - Florida 20850
- E** *Savia fadenii* R.-Sm. 6073  
**E** 20057 Kenya (Pangani; Cha Simba; Marafa; Chonyi) 17435
- V** *Scagea oligostemon* (Guillaumin) McPherson 20893  
**V** 20893 New Caledonia 20893
- R** *Sebastiania alpina* (F. & R.) Pax & K. Hoffm. 20883, 13336  
**R** 13336 Jamaica 20883
- E** *Sebastiania crenulata* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- R** *Sebastiania discolor* (Spreng.) Müll. Arg. 20883  
**I** 20883 Argentina 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- V** *Sebastiania fasciculata* (Millsp.) Pax & K. Hoffm. 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Sebastiania howardiana* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- V** *Sebastiania lesteri* Proctor 20883  
**V** 20883 Jamaica 20883
- E** *Sebastiania lesteri* Proctor var. *glabrata*  
**Proctor** 20883, 13336  
**E** 13336 Jamaica 20883
- E** *Sebastiania lesteri* Proctor var. *lesteri* 19890  
**E** 19890 Jamaica (Clarendon) 19486
- R** *Sebastiania nervosa* (Müll. Arg.) Müll. Arg. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- V** *Sebastiania spicata* (Millsp.) Pax & K. Hoffm. 20883, 13336  
**E** 20883 Jamaica (St. Ann, Clarendon) 20883
- R** *Sebastiania subulata* (Müll. Arg.) Pax in Engl. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- I** *Securinea flexuosa* Muell.-Arg. 13780  
**I** 15960 Philippines 13780
- R** *Stachystemon axillaris* A.S.George 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Stillingia sylvatica* L. ssp. *tenuis* (Small) D.J. Rogers 20850  
**V** 20850 U.S. - Florida 20850

- R** *Synadenium compactum* N.E.Br. var. *compactum* 20556, 20057  
**R** 20057 Kenya (Kamba, Embu) 20057
- R** *Tetracoccus dioicus* Parry 20883, 20850, 8058  
**V** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- E** *Tetracoccus ilicifolius* Coville & Gilman 20850  
**E** 20850 U.S. - California 20850
- E** *Thecacoris usumbarensis* Verdc. 19524  
**E** 20057 Kenya (Kilifi) 19524  
**E** 20057 Tanzania (Usumbara Mts) 19524
- V** *Tragia abortiva* M. Gilbert 19704  
**V** 19704 Ethiopia (Gamo Gofa) 19704
- V** *Tragia ashiae* M. Gilbert 19704  
**V** 19704 Ethiopia (Shewa Upland, Bale.) 19704
- E** *Tragia crenata* M. Gilbert 19704  
**E** 19704 Ethiopia (Bale) 19704
- V** *Tragia polygonoides* Prain 7926  
**V** Côte d'Ivoire (Bouroukrou) 7926
- V** *Tragia saxicola* Small 20850  
**V** 20850 U.S. - Florida 20850
- E** *Tragia triumfettoides* M. Gilbert 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- E** *Tragia uncinata* M. Gilbert 19704  
**E** 19704 Ethiopia 19704
- I** *Trigonostemon chatterjii* Deb  
**I** India - Meghalaya (Khasi hills)
- E** *Trigonostemon cherrieri* Veillon 20802  
**E** 20893 New Caledonia 20802
- I** *Trigonostemon diplopetalus* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- R** *Trigonostemon fragilis* (Gagnepain) Airy-Shaw 6057  
**V** 20985 Vietnam 6057
- V** *Trigonostemon inopinatus* Airy Shaw 20681  
**V** 20681 Australia - Queensland 20681
- I** *Trigonostemon merrillii* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Trigonostemon pierrei* Gagnepain 6057  
**R** Vietnam 6057
- R** *Victorinia regina* (Leon) Leon 11840  
**R** 19105 Cuba (Guantanamo) 11840
- V** *Wetria australiensis* P.I.Forster 20681  
**V** 20681 Australia - Queensland 20681
- R** *Whyanbeelia terrae-reginae* Airy Shaw & B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- V** *Zimmermannia ovata* E.A. Bruce 20057  
**V** 20057 Kenya 20057

Fagaceae

Number of genera: 6-8  
 Number of species: 800  
 Recorded threatened species: 96 (12%)

Cosmopolitan, except tropical and South Africa.

- R** *Castanea pumila* (L.) Miller var. *ozarkensis* (Ashe) Tucker 20850  
**I** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Louisiana 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Fagaceae: *Castanea*

- I 20850 U.S. - Mississippi 20850  
V 20850 U.S. - Missouri 20850  
V 20850 U.S. - Oklahoma 20850
- E** *Castanopsis concinna* Hance 17617  
E 17617 China - Guangdong 11139  
E 17617 China - Guangxi (Fangchen) 11139  
E 17617 Hong Kong 17617
- R** *Castanopsis kusanoi* Hayata 20511  
R 20511 Taiwan 20511
- R** *Castanopsis sempervirens* (Kellogg) Dudley ex Merriam 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R** *Castanopsis stellato-spina* Hayata 20511  
R 20511 Taiwan 20511
- R** *Cyclobalanopsis hypophaea* (Hayata) Kudo 20511  
R Taiwan (south-east)
- E** *Cyclobalanopsis repandifolia* (Liao) Liao 20854  
E 20854 Taiwan (south-east) 20854
- E** *Fagus hayatae* Palibin ex Hayata 17617  
E 20854 Taiwan (Taoyuan; Yilan) 11139
- R** *Fagus japonica* Maxim. var. *multinervis* (Nakai) Y.N. Lee  
R Korea, South (Ulungdo) 17577
- I** *Lithocarpus craibianus* Barnett 19120  
I 19120 Thailand 19120
- I** *Lithocarpus echinops* Hjelmquist 19120  
I 19120 Thailand 19120
- V** *Lithocarpus ovalis* (Blanco) Rehd. 13780  
V 15960 Philippines 13780
- R** *Lithocarpus siamensis* A. Camus 19120  
R 19120 Thailand (Khao Luang) 19120
- V** *Nothofagus alessandrii* Espinosa 20883  
V 20883 Chile 20883
- R** *Nothofagus baumanniae* (Baum.-Bodenh.) Steenis 20893  
R 20893 New Caledonia 20893
- V** *Nothofagus discoidea* (Baum.-Bodenh.) Steenis 20893  
V 20893 New Caledonia 20893
- V** *Nothofagus glauca* (Philippi) Krasser 15088  
V 13875 Chile 13875
- V** *Nothofagus leonii* Espin. 15088  
V 13875 Chile 13875
- I** *Nothofagus nuda* 21318  
I 21318 Papua New Guinea 21318
- V** *Nothofagus obliqua* var. *macrocarpa* (A.DC.) Reiche 20883  
V 20883 Chile 20883
- I** *Nothofagus womersleyi* 21318  
I 21318 Indonesia - Irian Jaya 21318
- E** *Pasania dodonaeifolia* Hayata 20854  
E 20854 Taiwan 20854
- V** *Pasania formosana* (Skan) Schottky 20854  
V 20854 Taiwan (Heng-ch'un) 20854
- V** *Pasania nantoensis* (Hayata) Schott. 20511  
V 20511 Taiwan 20511
- I** *Pasania shinsuiensis* (Hayata & Kaneh.) Nakai 20511  
I 20511 Taiwan 20511
- E** *Quercus acerifolia* (Palmer) Stoyoff & Hess 20850.  
20840
- E** 20850 U.S. - Arkansas (Logan, Sebastian & Scott Co.) 21003
- V** *Quercus acuminata* Roxb. 14872  
V 14872 Bangladesh 14872
- R** *Quercus arkansana* Sarg. 20850  
V 20850 U.S. - Alabama 20850  
R 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
V 20850 U.S. - Louisiana 20850  
I 20850 U.S. - Mississippi 20850  
I 20850 U.S. - Texas 20850
- I** *Quercus basaseachicensis* C.H. Muller 20283  
I 20283 Mexico - Chihuahua 20283  
I 21046 Mexico - Durango 21046
- R** *Quercus benthami* A.DC. 20883  
R 20883 Guatemala 20883  
E 20883 Mexico 20883  
? Mexico - Chiapas 21046  
? Mexico - Oaxaca 21046
- R** *Quercus borucasana* Trel. 20883  
V 20883 Costa Rica 20883  
V 20883 Guatemala 20883
- Ex/E** *Quercus boyntonii* Beadle 20850  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
I 21003 U.S. - Louisiana 21003  
I 21003 U.S. - Mississippi 21003  
Ex/E 20850 U.S. - Texas 20850
- R** *Quercus brandegeei* Goldman 21046, 9002  
R 20283 Mexico - Baja California Peninsula (Cape region) 20283
- R** *Quercus brenesii* Trel. 20883, 17459  
V 20283 Costa Rica 20883
- R** *Quercus bumelioides* Liebm. 11215  
R 20283 Costa Rica 11215  
R 20283 Guatemala 16826  
R 20283 Honduras 16826  
R 20283 Nicaragua 16826  
R 20283 Panama 11215
- I** *Quercus cedrosensis* C.H. Muller 9002  
I 20840 Mexico (including Cedros Island) 20283  
I 20840 Mexico - Baja California Peninsula (del Norte) 20283
- I** *Quercus chuhuichupensis* C.H. Muller 20283  
I 20283 Mexico - Chihuahua 20283
- I** *Quercus convallata* Trel. 11503  
I 20283 Mexico - Jalisco 11503  
I 20283 Mexico - Nayarit 11503
- V** *Quercus costaricensis* Liebman 20883, 9037  
V 20883 Costa Rica 20883
- R** *Quercus crispifolia* Trel. 20883  
I 20883 El Salvador 20883  
R 20883 Guatemala 20883  
V 20883 Mexico 20883
- R** *Quercus crispipilis* var. *pannosifolia* Muller 20883  
R 20883 Guatemala 20883  
E 20883 Mexico 20883
- R** *Quercus deliquescens* C.H. Muller 9708  
R 11215 Mexico - Chihuahua 9708
- R** *Quercus depressa* Humb. & Bonpl. 9707  
R 11215 Mexico 9707  
R 20283 Mexico - Hidalgo 20283  
R 20283 Mexico - Mexico D.F. 20283



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Fagaceae: *Quercus*

- R 20283 Mexico - Oaxaca 20283  
R 20283 Mexico - Puebla 20283  
R 20283 Mexico - Veracruz 20283
- V** *Quercus depressipes* Trel. 20850, 11215  
E 20850 U.S. - Texas (Davis Mts.) 21003  
R 11215 Mexico 11215  
R 20283 Mexico - Chihuahua 20283  
R 20283 Mexico - Durango 20283  
R 20283 Mexico - Jalisco 20283  
R 20283 Mexico - Zacatecas 20283
- R** *Quercus devia* Goldman 9002  
R 11215 Mexico - Baja California Peninsula (Cape region.) 20283
- V** *Quercus dumosa* Nutt. 20850, 20283  
E 20850 U.S. - California 20850  
I 20840 Mexico - Baja California Peninsula (del Norte) 20283
- I** *Quercus durata* 20916  
I 20931 U.S. - California (coastal ranges) 20916
- R** *Quercus engelmannii* Greene 20850  
R 20850 U.S. - California (southern) 20850  
I 20283 Mexico - Baja California Peninsula (del Norte) 20283
- I** *Quercus excelsa* Liebm. 11503  
I 20283 Mexico - Jalisco 11503  
I 20283 Mexico - Veracruz 11503
- R** *Quercus flagellifera* Trel. 20883  
R 20883 Guatemala 20883
- V** *Quercus fulva* Liebm. 9706  
V 11215 Mexico 9706  
V 20283 Mexico - Chihuahua 20283  
V 20283 Mexico - Durango 20283  
V 20283 Mexico - Sinaloa 20283
- I** *Quercus galeanensis* C.H. Muller 20283  
I 20283 Mexico - Nuevo Leon 20283  
I 21046 Mexico - Tamaulipas 21046
- R** *Quercus germana* Schltr. & Cham. 11215  
R 11215 Mexico (northeastern and eastern) 20283
- E** *Quercus graciliformis* C.H. Muller 20850  
E 20850 U.S. - Texas (Chisos Mts.) 21003
- I** *Quercus gravesii* Sudworth 20283  
I 20283 U.S. - Texas 20283  
I 20283 Mexico - Coahuila 20283
- V** *Quercus gulielmi-trelesei* C.H. Mull. 20883  
V 20883 Costa Rica 20883  
E 20883 Panama 20883
- V** *Quercus hinckleyi* C.H. Muller 20850, 17695  
V 20850 U.S. - Texas (Solitario Peak, Presidio Co.) 21003  
V 20283 Mexico (northern) 20283
- E** *Quercus hintonii* Warb. 9707  
E 21046 Mexico - Mexico State 21046
- V** *Quercus hintoniorum* Nixon & Müller 21046  
V 21046 Mexico - Nuevo Leon (Sierra Lamata) 21046
- V** *Quercus hondai* Makino 20626  
V 10572 Japan 20626
- R** *Quercus hypoxantha* Trel. 9707  
R 11215 Mexico 9707  
R 20283 Mexico - Coahuila 20283  
R 20283 Mexico - Nuevo Leon 20283
- I** *Quercus imeretina* Stev. ex Woronow 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Georgia 5942
- I** *Quercus inopina* 20916  
I 20931 U.S. - Florida (central) 20916
- R** *Quercus invaginata* Trel. 11215  
R 11215 Mexico 11215  
R 20283 Mexico - Coahuila 20283
- I** *Quercus liebmannii* Oersted et Trel. 20283  
I 20283 Mexico - Oaxaca 20283
- I** *Quercus listeoides* Dunn 20283  
I 20283 Hong Kong (Lantau Is.) 20283
- V** *Quercus macdonaldii* Greene 20850  
I 20850 U.S. - California (Channel Is. (exc. San Clemente)) 21003
- V** *Quercus macdougalii* Martinez 11215  
V 20283 Mexico - Oaxaca 20283
- R** *Quercus martinezii* C.H. Muller 9706  
R 11215 Mexico 9706  
R 20283 Mexico - Jalisco 20283  
R 20283 Mexico - Michoacan 20283
- I** *Quercus miqihuanensis* K.C. Nixon & C.H. Muller 20283  
I 20283 Mexico - Nuevo Leon 20283  
I 20283 Mexico - Tamaulipas 20283
- V** *Quercus oglethorpensis* Duncan 20850, 20283  
V 20850 U.S. - Georgia (northeastern) 20850  
V 20850 U.S. - Mississippi 20850  
R 20850 U.S. - South Carolina 20850
- I** *Quercus parvula* Greene var. *parvula* 19002  
I 20915 U.S. - California (Santa Cruz Is. & Santa Barbara Co.) 21003
- R** *Quercus peninsularis* Trel. 9002  
R 20283 Mexico - Baja California Peninsula (del Norte) 20283
- R** *Quercus planipocula* Trel. 9706  
R 11215 Mexico 9706  
R 20283 Mexico - Guerrero 20283  
R 20283 Mexico - Michoacan 20283  
R 20283 Mexico - Nayarit 20283  
R 20283 Mexico - Sinaloa 20283
- I** *Quercus praeco* Trel. 20283  
I 20283 Mexico - Jalisco 20283  
I 20283 Mexico - Nayarit 20283
- R** *Quercus praineana* Trel. 9706  
V 11215 Mexico 9706  
R 20283 Mexico - Jalisco 20283  
R 20283 Mexico - Sinaloa 20283
- R** *Quercus purulhana* Trel. 9004  
R 11215 Belize 9004  
R 11215 Guatemala 9004  
R 11215 Honduras 9004  
R 11215 Nicaragua 9004
- R** *Quercus rapurahuensis* Pittier ex Trel. 9037  
R 11215 Costa Rica 9037  
R 11215 Panama 9006
- I** *Quercus robur* ssp. *imeretina* (Steven ex Woronow) Menitsky 20283  
I 20283 Russian Federation (in Georgia, Caucasus) 20627
- R** *Quercus rysophylla* Weath. 9707  
R 11215 Mexico 9707  
R 20283 Mexico - Nuevo Leon 20283  
R 20283 Mexico - San Luis Potosi 20283  
R 20283 Mexico - Tamaulipas 20283
- E** *Quercus sebifera* Trel. 20883, 11215  
E 20883 Mexico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Fagaceae: *Quercus*

- I 20283 Mexico - Chiapas 20283
- I** *Quercus sicula* Borzi 20171  
I Italy - Sicily 8000
- R** *Quercus skinneri* Benth. 11215  
R 20283 El Salvador 20283  
R 11215 Guatemala 11215  
R 20283 Honduras 20283  
R 11215 Mexico - Chiapas 21046
- R** *Quercus skutchii* Trel. 11215  
R 11215 Guatemala 11215  
R 11215 Mexico 11215  
R 20283 Mexico - Chiapas 20283
- I** *Quercus subspatulata* Trel. 11503  
I 20840 Mexico - Durango (southern) 20283  
I 20840 Mexico - Jalisco 20283  
I 20840 Mexico - Nayarit 20283  
I 20840 Mexico - Sinaloa (northern) 20283
- E** *Quercus tardifolia* C.H. Muller 21046, 20850  
E 20850 U.S. - Texas (Chisos Mts.) 21003
- R** *Quercus tarokoensis* Hayata 20283  
R 20511 Taiwan 20283
- R** *Quercus tomentella* Engelm. 20883, 20850, 8058  
V 20283 Mexico - Guadalupe 20283  
R 20850 U.S. - California (Channel Is.) 21003
- E** *Quercus tonduzii* Seemen 20883, 9037  
R 20283 Costa Rica 20883
- I** *Quercus toumeyii* Sarg. 20283  
I 20283 U.S. - Arizona 20283  
I 20283 U.S. - New Mexico 20283  
I 20283 Mexico - Chihuahua 20283  
I 20283 Mexico - Sonora 20283
- I** *Quercus undata* Trel. 20283  
I 20283 Mexico - Durango 20283
- R** *Quercus uxoris* McVaugh 9706  
R 11215 Mexico 9706  
R 20283 Mexico - Colima 20283  
R 20283 Mexico - Guerrero 20283  
R 20283 Mexico - Jalisco 20283
- E** *Quercus vicentensis* Trelease 20883, 20283  
R 20283 El Salvador 20883  
R 20283 Guatemala 20283  
R 20283 Mexico 20283
- E** *Quercus xalapensis* Humb. & Bonpl. 20283  
E 20283 Mexico - Veracruz 20283
- E** *Quercus zempoaltepecana* Trel. 20283  
E 20283 Mexico - Oaxaca 20283
- V** *Trigonobalanus excelsa* Loz.-Contr.,Hern.Com.&Henao-S.  
V 19353 Colombia 19353

Flacourtiaceae

Number of genera: 85  
Number of species: 800  
Recorded threatened species: 196 (24%)

Tropical.

- V** *Abatia canescens* (Gardner) Eichler 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- E** *Abatia glabra* Sleumer 20883  
I 20883 Brazil 20883
- E** *Abatia microphylla* Taubert 20883  
I 20883 Brazil 20883
- R** *Abatia rugosa* Ruiz & Pavon 20883

- I 20883 Peru 20883
- R** *Abatia spicata* (Turczaninov) Sleumer 20883  
I 20883 Peru 20883
- I** *Asteriastigma macrocarpa* Beddome  
I India - Kerala
- R** *Azara salicifolia* Grisebach 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883
- R** *Azara serrata* var. *fernandeziana* (Gay) Reiche 20883, 19116  
V 19116 Chile - Juan Fernandez Is. (R.Crusoe Is.) 19116  
V 20883 Chile 20883
- R** *Baileyoxylon lanceolatum* C.White 20681  
R 20681 Australia - Queensland 20681
- R** *Banara acunae* Borh. & Muniz 5607  
R 19105 Cuba (Pinar del Rio) 5607
- R** *Banara axilliflora* Sleumer 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- V** *Banara brasiliensis* (Schott) Bentham 20883  
I 20883 Brazil 20883
- V** *Banara brittonii* Roig 20883  
I 20883 Cuba 20883
- E** *Banara cordifolia* Urban & Ekman 20883  
I 20883 Dominican Republic 20883  
E 20883 Haiti (Port au Prince to Jacmel) 21008
- R** *Banara domingensis* Bentham 20883  
I 20883 Dominican Republic (Sta. Domingo, Samaná peninsula) 21008  
I 20883 Haiti (Rivière Froide, Port au Prince) 21008
- E** *Banara excisa* Urban & Ekman 20883  
E 20883 Haiti (Morne La Cidre, St Michel) 21008
- R** *Banara ibaguensis* Tulasne 20883  
I 20883 Colombia 20883
- V** *Banara kuhlmannii* (Sleumer) Sleumer 20883  
I 20883 Brazil 20883
- V** *Banara larensis* Steyermark 20883  
I 20883 Venezuela 20883
- E** *Banara leptophylla* Urban & Ekman 20883  
E 20883 Haiti (Morne Brigand Bayeux) 21008
- R** *Banara orinocensis* (Cuatrecasas) Sleumer 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- V** *Banara portoricensis* Krug & Urban 20883  
I 20883 Puerto Rico 20883
- E** *Banara quinquenervis* Urban & Ekman 20883  
E 20883 Haiti (Morne Palmiste, Port de Paix) 21008
- R** *Banara regia* Sandwith 20883  
I 20883 Ecuador 20883
- R** *Banara riparia* Sleumer 20883  
I 20883 Ecuador 20883
- R** *Banara riscoi* Borh. & Muniz 5607  
R 19105 Cuba (Juventud Is.) 5607
- E** *Banara saxicola* Urban & Ekman 20883  
E 20883 Haiti (Rivière Froide, Port au Prince) 21008
- E** *Banara selleana* Urban & Ekman 20883  
? Dominican Republic (Banano, Pedemales)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Flacourtiaceae: *Banara*

- 21008  
**I** 20883 Haiti (Massif de la Selle) 21008
- R** *Banara serrata* (Vellozo) Warburg 20883  
**I** 20883 Brazil 20883
- V** *Banara splendens* Urban 20883  
 Dominican Republic (Isabel de Torres)  
 21008  
**I** 20883 Haiti (Mirebalais, Grand Bois) 21008
- E** *Banara trinitatis* Sleumer 20883  
**E** 20883 Brazil 20883
- R** *Banara ulmifolia* (H. B. K.) Bentham 20883  
**I** 20883 Colombia 20883
- E** *Banara vanderbiltii* Urban 20883, 7999  
**E** 20883 Puerto Rico (hills west of Bayamon)  
 20883
- E** *Bartholomaea mollis* Standley & Steyermark 20883,  
 9004  
**I** 20883 Guatemala 20883
- R** *Bartholomaea sessiliflora* (Standley) Standley &  
 Steyermark 20883  
**I** 20883 Belize 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Mexico 20883
- E** *Berberidopsis corallina* Hook. f. 15088  
**E** 14908 Chile (Regions VII-X) 14908
- I** *Caloncoba lophocarpa* (Oliver) Gilg 7749  
**I** Cameroon (Cameroon mt)
- E** *Carpotroche froesiana* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Carpotroche integrifolia* Kuhlmann 20883  
**I** 20883 Brazil 20883  
**I** 20883 Colombia 20883
- R** *Carpotroche pacifica* (Cuatrecasas) Cuatrecasas 20883  
**I** 20883 Colombia 20883
- V** *Carpotroche ramosii* (Cuatrecasas) Cuatrecasas 20883  
**I** 20883 Colombia 20883
- R** *Casearia altiplanensis* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Casearia annamensis* (Gagnepain) Lescot & Sleum. 6057  
**R** Vietnam 6057
- E** *Casearia aquifolia* Wright 20883  
**I** 20883 Cuba 20883
- E** *Casearia atlantica* Sleumer 20883, 9709  
**I** 20883 Panama 20883
- V** *Casearia bahiensis* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Casearia cajambrensis* Cuatr. 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- V** *Casearia catharinensis* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Casearia coriifolia* Lescot & Sleumer 20893  
**R** 20893 New Caledonia 20893
- R** *Casearia coronata* Standl. & L.O. Wms. 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883
- R** *Casearia crassinervis* Urban 20883  
**I** 20883 Cuba 20883
- I** *Casearia engleri* Gilg 19526  
**I** 5926 Tanzania (West Usambara mountains) 5926
- R** *Casearia grayi* Jessup 20681  
**R** 20681 Australia - Queensland 20681
- V** *Casearia ilicifolia* Ventenat 20883  
**I** 20883 Dominican Republic (north-west) 21008  
 Haiti 21008
- E** *Casearia kaaalensis* Lescot & Sleumer 20893  
**E** 20893 New Caledonia 20893
- V** *Casearia luetzelburgii* Eichler 20883  
**I** 20883 Brazil 20883
- V** *Casearia manausensis* Sleumer 20883  
**I** 20883 Brazil 20883
- E** *Casearia mauritiana* Bosser 10082  
**E** 20771 Mauritius 10082
- V** *Casearia megacarpa* Cuatrecasas 20883  
**I** 20883 Colombia 20883
- V** *Casearia melliodora* Eichler 20883  
**I** 20883 Brazil 20883
- E** *Casearia mestrensis* Sleumer 20883  
**I** 20883 Brazil 20883
- E** *Casearia mexiae* Sandwith 20883  
**I** 20883 Ecuador 20883
- V** *Casearia moaensis* Marie-Victorin 20883  
**I** 20883 Cuba 20883
- E** *Casearia neblinae* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Casearia nigricans* Sleumer 20883  
**I** 20883 Peru 20883
- E** *Casearia nigricolor* Sleumer 20883  
**I** 20883 Peru 20883
- R** *Casearia oblongifolia* Cambessèdes 20883, 17462  
**I** 20883 Brazil 20883  
 ? Colombia 17462  
 ? Ecuador 17462
- V** *Casearia ophiticola* Marie-Victorin 20883  
**I** 20883 Cuba 20883
- E** *Casearia paranaensis* Sleumer 20883  
**I** 20883 Brazil 20883
- R** *Casearia pauciflora* Cambessèdes 20883  
**I** 20883 Brazil 20883
- I** *Casearia pseudoglomerata* Sleum. 19120  
**I** 19120 Thailand 19120
- E** *Casearia quinduensis* Tulasne 20883  
**I** 20883 Colombia 20883
- R** *Casearia rufescens* Cambessèdes 20883  
**I** 20883 Brazil 20883
- R** *Casearia selloana* Eichler 20883  
**I** 20883 Brazil 20883
- E** *Casearia sessiliflora* Cambessèdes 20883  
**I** 20883 Brazil 20883
- V** *Casearia standleyana* Sleumer 20883, 9709  
**I** 20883 Costa Rica 20883
- R** *Casearia tachirensis* Steyermark 20883  
**I** 20883 Colombia 20883  
**I** 20883 Venezuela 20883
- R** *Casearia tardieuae* Lescot & Sleumer 6057  
**R** Vietnam 6057
- Ex/E** *Casearia tinifolia* Vent. 10082  
**Ex/E** 20771 Mauritius 10082
- V** *Casearia williamsiana* Sleumer 20883, 9709

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Flacourtiaceae: *Casearia*

- I 20883 Honduras 20883
- E *Casearia zahlbruckneri* Szyszylowicz 20883  
I 20883 Peru 20883
- E *Chiangi dendron mexicanum* T. Wendt 20883  
I 20883 Mexico 20883
- I *Dovyalis spinosissima* Gülg 7749  
I Malawi 7749
- R *Erythrospermum monticolum* Thouars var. *amplifolium* (Thouars) Sleumer 10082  
R 20771 Mauritius 10082
- R *Erythrospermum monticolum* Thouars var. *cordifolium* (Clos) Sleumer 10082  
R 20771 Mauritius 10082
- E *Euceraea sleumeriana* Steyermark & Maguire 20883  
I 20883 Venezuela 20883
- E *Homalium betulifolium* Daniker 20893  
E 20893 New Caledonia 20893
- E *Homalium buxifolium* Daniker 20893  
E 20893 New Caledonia 20893
- I *Homalium glabrifolium* Geddes 19120  
I 19120 Thailand 19120
- I *Homalium gracilipes* Sleumer 19526  
I 5926 Tanzania (Luwira-Kiteza forest reserve) 5926
- R *Homalium integrifolium* (Lam.) Baillon 10082  
R 20771 Mauritius 10082
- E *Homalium juxtapositum* Sleumer 20893  
E 20893 New Caledonia 20893
- I *Homalium kunstleri* King 17450  
I Malaysia - Peninsular Malaysia (Perak)
- V *Homalium lacticum* Gagnepain var. *glabratum* C.Y. Wu 17617  
V 17617 China - Yunnan (Jinghong, Mengla, Gengma) 11139
- E *Homalium mathieuanum* (Vieill.) Briq. 20893  
E 20893 New Caledonia 20893
- R *Homalium mossambicense* Paiva 7749  
R Mozambique 7749
- I *Homalium peninsulare* Sleum. 19120  
I 19120 Thailand 19120
- E *Homalium polystachyum* (Vieill.) Briq. 20893  
E 20893 New Caledonia 20893
- V *Homalium rubiginosum* (Vieill.) Warb. 20893  
V 20893 New Caledonia 20893
- E *Homalium rubrocostatum* Sleumer 20893  
E 20893 New Caledonia 20893
- V *Homalium sleumerianum* Lescot 20893  
V 20893 New Caledonia 20893
- E *Hydnocarpus macrocarpa* (Bedd.) ssp. *macrocarpa* 14782, 21025  
E 14782 India (southern W. Ghats) 14782
- R *Hydnocarpus octandra* Thwaites 10252  
R 12838 Sri Lanka 10252
- R *Hydnocarpus saigonensis* Pierre 6057  
R Vietnam 6057
- R *Laetia coriacea* Spruce ex Bentham 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- V *Laetia micrantha* A. Robyns 20883, 9006  
I 20883 Panama 20883
- V *Laetia ovalifolia* Macbride 20883  
I 20883 Peru 20883
- E *Laetia ternstroemioides* Grisebach 20883, 5607  
I 20883 Cuba (Holguin; Guantanamo) 20883
- E *Lasioclhamys hurlmannii* (Guillaumin) Sleumer 20893  
E 20893 New Caledonia 20893
- V *Lasioclhamys mandjeliana* Sleumer 20893  
V 20893 New Caledonia 20893
- V *Lasioclhamys pseudocoriacea* Sleumer 20893  
V 20893 New Caledonia 20893
- R *Lasioclhamys trichostemon* (Guillaumin) Sleumer 20893  
R 20893 New Caledonia 20893
- E *Lindackeria ovata* (Bentham) Gülg 20883  
E 20883 Brazil 20883
- R *Lunania cubensis* Turczaninow 20883  
I 20883 Cuba 20883
- V *Lunania dentata* Urban 20883  
I 20883 Dominican Republic (Barahona) 21008
- E *Lunania divaricata* Bentham 20883  
I 20883 Cuba 20883
- E *Lunania dodecandra* Wright 20883, 5607  
R 19105 Cuba (Guantanamo) 20883
- R *Lunania ekmanii* Urban 20883, 19002  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883  
I 20883 Puerto Rico 20883
- E *Lunania elongata* Britton & P. Wilson 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- R *Lunania mauritii* Urban 20883  
I 20883 Dominican Republic (San Cristóbal) 21008  
I 20883 Haiti (Aux Cayes, Pestel) 21008
- V *Lunania polydactyla* Urban 20883  
V 20883 Jamaica 20883
- V *Lunania racemosa* Hook. 20883  
V 20883 Jamaica 20883
- R *Lunania sauvallii* Grisebach 20883  
I 20883 Cuba 20883
- R *Lunania sauvallii* Griseb. 5607  
R 19105 Cuba (Pinar del Rio) 5607
- R *Lunania scopulorum* Urban & Ekman 20883  
I 20883 Dominican Republic (Villa Altigracia, Montes del Bahoruco) 21008  
I 20883 Haiti 20883
- V *Lunania subcoriacea* Britton & Wilson 20883  
I 20883 Cuba 20883
- E *Lunania tenuifolia* Urban & Ekman 20883  
I 20883 Haiti (St. Louis du Nord, Morne Baron) 21008
- V *Mayna hystricina* (Gleason) Sleumer 20883  
I 20883 Colombia 20883
- R *Mayna parviflora* (Macbride) Sleumer 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E *Mayna pubescens* (Triana & Karsten) Warburg 20883  
I 20883 Colombia 20883
- R *Mayna suaveolens* (Karsten & Triana) Warburg 20883  
I 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Flacourtiaceae: *Mayna*

- E** *Neopringlea trinervia* (Standley & Steyererm.)  
Lemke 20883  
I 20883 Guatemala 20883  
I 20883 Mexico 20883
- R** *Peterodendron ovatum* (Steumer) Steumer 19526  
R Tanzania (Kondoa, Kilosa, Iringa) 19526
- R** *Pseudoscolopia polyantha* Gilg. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R** *Ryania dentata* (H. B. K.) Miquel 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- V** *Ryania dentata* (H. B. K.) Miquel var. *dentata* 20883  
I 20883 Venezuela 20883
- V** *Ryania dentata* (H. B. K.) Miquel var. *toxica*  
Dugand 20883  
I 20883 Colombia 20883
- E** *Ryania riedeliana* Eichler 20883  
I 20883 Brazil 20883
- E** *Ryania speciosa* var. *mutisii*  
Monachino 20883  
Ex/E 20883 Colombia 20883
- R** *Ryania speciosa* Monachino var. *panamensis*  
Monachino 20883, 10747  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883  
I 20883 Panama 20883
- I** *Ryparosa inconstans* Craib 19120  
I 19120 Thailand 19120
- E** *Samyda cubensis* Wilson 20883  
I 20883 Cuba 20883
- R** *Samyda glabrata* Sw. 20883  
R 20883 Jamaica 20883
- E** *Samyda lunana* P. Wilson 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- V** *Samyda mexicana* Rose 20883, 9709  
R 19798 Mexico 20883
- E** *Samyda microphylla* Urban 20883, 5607  
I 20883 Cuba (Holguin) 20883
- R** *Samyda spinulosa* Vent. 20883  
I 20883 Dominican Republic 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R** *Samyda villosa* Sw. 20883  
R 20883 Jamaica 20883
- R** *Scolopia heterophylla* (Lam.) Sleumer 10082  
V 14234 Réunion 14234  
R 20771 Mauritius 5852  
E 5852 Mauritius - Rodrigues (Plaine Corail) 5852
- R** *Scolopia oreophila* (Sleumer) Killick 20604  
R 20604 South Africa - Natal 20604
- R** *Scolopia steenisiana* Sleumer 17450  
R Malaysia - Peninsular Malaysia (Gua Musang, Kelantan)
- R** *Taraktogenos merrillana* (Li) C. Y. Wu 8482  
R China 8482
- E** *Trichadenia zeylanica* Thwaites 4705  
E 12838 Sri Lanka 4705
- E** *Xylosma avilae* Sleumer 20883  
I 20883 Venezuela 20883
- E** *Xylosma bolivianum* Sleumer 20883  
I 20883 Bolivia 20883
- V** *Xylosma boulindae* Sleumer 20893  
V 20893 New Caledonia 20893
- E** *Xylosma capillipes* Guillaumin 20893  
E 20893 New Caledonia 20893
- V** *Xylosma claraense* Urban 20883  
I 20883 Cuba 20883
- R** *Xylosma cordatum* (Humboldt, Bonpland & Kunth)  
Gilg 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- R** *Xylosma coriaceum* (Poiteau) 20883  
I 20883 Dominican Republic (Puerto Plata, Samaná) 21008  
I 20883 Haiti (Port de Paix, Isla Tortuga) 21008
- E** *Xylosma crenata* (St. John) St. John 20850  
E 20850 U.S. - Hawaii 20850
- E** *Xylosma crenatum* (H. St. John) H. St. John 14209, 21349  
E 14209 U.S. - Hawaii (Kaua'i) 14209
- R** *Xylosma elegans* (Tulasne) Triana & Planchon 20883  
I 20883 Colombia 20883
- R** *Xylosma fawcettii* Urb. 20883  
R 20883 Jamaica 20883
- R** *Xylosma gigantifolium* Sleumer  
R New Caledonia
- E** *Xylosma glaucescens* Urban 20883  
I 20883 Dominican Republic (Pan de Azúcar, Samaná) 21008  
I 20883 Haiti (Dondon) 21008
- E** *Xylosma grossecrenatum* (Sleumer) Lescot 20893  
E 20893 New Caledonia 20893
- R** *Xylosma hispidula* Standl. 20883  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- E** *Xylosma inaequinervium* Sleumer 20893  
E 20893 New Caledonia 20893
- V** *Xylosma kaatense* Sleumer 20893  
V 20893 New Caledonia 20893
- R** *Xylosma lineolatum* Urban & Ekman 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- V** *Xylosma longipetiolatum* Legname 20883  
I 20883 Argentina 20883
- V** *Xylosma lucidum* (Tulasne) Sleumer 20883  
I 20883 Colombia 20883
- R** *Xylosma maidenii* Sleumer  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Xylosma martinicensis* (Krug & Urban) Urban 20883  
I 20883 Guadeloupe 20883  
I 20883 Martinique 20883
- V** *Xylosma molestum* Sleumer 20893  
V 20893 New Caledonia 20893
- R** *Xylosma nitida* (Helenius) A. Gray 20883  
R 20883 Jamaica 20883
- V** *Xylosma obovatum* (Karsten) Triana & Planchon 20883  
I 20883 Colombia 20883
- R** *Xylosma ovatum* Benth. 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Flacourtiaceae: *Xylosma*

- R 20681 Australia - Queensland 20681
- E *Xylosma pachyphyllum* (Krug & Urban) Urban 20883  
E 20883 Puerto Rico 20883
- I *Xylosma palawanense* Mend. 13833  
I 13833 Philippines (low altitude) 13833
- R *Xylosma paucinervosum* (Steiermark) Sleumer 20883  
I 20883 Ecuador 20883  
I 20883 Venezuela 20883
- E *Xylosma peltatum* (Sleumer) Lescot 20893  
E 20893 New Caledonia 20893
- E *Xylosma pininsulare* Guillaumin 20893  
E 20893 New Caledonia 20893
- V *Xylosma proctorii* Sleumer 20883, 19890  
R 19890 Jamaica 20883
- R *Xylosma pubescens* Grisebach 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883
- E *Xylosma raimondii* Sleumer 20883  
I 20883 Peru 20883
- E *Xylosma rhombifolium* (Britton & Wilson) Sleumer 20883, 5607  
E 20883 Cuba (Pinar del Rio) 20883
- E *Xylosma roigiana* Borh. 5607  
E 19105 Cuba (Las Tunas) 5607
- E *Xylosma ruizianum* Sleumer 20883  
I 20883 Peru 20883
- E *Xylosma sanctae-annae* Sleumer 20883  
I 20883 Trinidad & Tobago 20883
- V *Xylosma schroederi* Sleumer ex Herter 20883  
I 20883 Uruguay 20883
- E *Xylosma schwaneckeanum* (Krug & Urban) Urban 20883  
E 20883 Puerto Rico 20883
- V *Xylosma serpentinum* Sleumer 20893  
V 20893 New Caledonia 20893
- R *Xylosma shaferi* (Wilson) Howard & Briggs 20883  
I 20883 Cuba 20883
- E *Xylosma* sp see Adams, 1972B 20883  
E 20883 Jamaica 20883
- V *Xylosma suaveolens* (J.R. & G. Forster) ssp. *haroldii* Sleumer 19187  
V 19185 Pitcairn (Pitcairn & Henderson Islands) 19187
- V *Xylosma tuberculatum* Sleumer 20893  
V 20893 New Caledonia 20893
- I *Xylothea tettensis* (Klotzsch) Gilg var. *fissistyla* (Warb.) Sleumer 19526  
I 5926 Tanzania (Bagamoyo & Uzaramo) 19526

**Fouquieriaceae**

Number of genera: 1  
Number of species: 11  
Recorded threatened species: 5 (45%)

Arid parts of Mexico and southwestern United States.

- V 1 *Fouquieria fasciculata* Nash 15658  
V 19850 Mexico 19850
- R *Fouquieria leonilae* Miranda 9058  
R 19850 Mexico 9058
- I *Fouquieria ochoterena* Miranda 19850  
I 19850 Mexico 19850

- I 1 *Fouquieria purpusii* Brandegee 15658  
I 19850 Mexico 19850
- R *Fouquieria shrevei* I.M. Johnston 19850  
R 19850 Mexico 19850

**Frankeniaceae**

Number of genera: 3  
Number of species: 80  
Recorded threatened species: 6 (7%)

Cosmopolitan, especially Mediterranean region.

- Ex *Frankenia conferta* Diels 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- Ex *Frankenia decurrens* Summerh. 20681, 14223  
Ex 20681 Australia - Western Australia 14223
- R *Frankenia johnstonii* Correll 20883, 20850, 9114  
R 20850 U.S. - Texas 20850  
I 20883 Mexico 20883  
I 9114 Mexico - Coahuila 9114  
I 9114 Mexico - Nuevo Leon 9114  
I 9114 Mexico - Tamaulipas 9114
- V *Frankenia margaritae* Gonz. Medr. 9710  
V 19755 Mexico 9710
- Ex *Frankenia parvula* Turcz. 20681, 14223  
Ex 20681 Australia - Western Australia 14223
- E *Frankenia plicata* Melville 20681  
E 20681 Australia - South Australia 20681
- R *Frankenia portulacaefolia* Sprengel 18996  
R 18996 St Helena 18996
- R *Frankenia pulverulenta* L. 17617, 20171  
V 5204 Bulgaria (east) 5204  
V 19949 Romania 20631  
R 17617 China - Gansu (Mingqing) 11139  
R 17617 China - Nei Monggol Zizhiqu (Ejinaqi) 11139  
R 17617 China - Xinjiang Uygur Zizhiqu (Xingyun) 11139
- R *Frankenia scabra* Lindley 20681  
R 20681 Australia - Queensland 20681

**Geissolomataceae**

Number of genera: 1  
Number of species: 1  
Recorded threatened species: 1 (100%)

Cape Province (South Africa).

- R *Geissoloma marginatum* (L.) Juss. 20604, 18289  
R 20604 South Africa - Cape Province (Langeberg Mts.) 20604

**Gentianaceae**

Number of genera: 75  
Number of species: 1,000  
Recorded threatened species: 111 (11%)

Cosmopolitan, especially temperate and subtropical regions and tropical mountains.

- V *Bartonia texana* Correll 20850  
V 20850 U.S. - Texas 20850
- I *Canscora hexagona* Kerr. 19120  
I 19120 Thailand (Tak, Phumipol, Nakhon Ratchasima, Chan Tue Kanchanaburi, Si Sawat) 19281
- R *Centaurium barrelieroides* Pau  
R Morocco

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gentianaceae: *Centaurium*

- R** *Centaurium davyi* (Jepson) Abrams 20850  
I 20850 U.S. - California 20850
- R** *Centaurium enculense* O.Bois, Molin. & P.Monts. 20171  
R Spain - Balearic Is.
- R** *Centaurium floribundum* (Benth.) B.L. Robins. 20850  
I 20850 U.S. - California 20850
- R** *Centaurium limoniiforme* Greuter 20171  
R Greece
- V** *Centaurium malzacianum* Maire  
V Egypt
- V** *Centaurium namophilum* Reveal, Broome & Beasley 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V** *Centaurium nudicaule* (Engelm.) B.L. Robins. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- R** *Centaurium quadrifolium* (L.) G. Lopez & Jarvis  
R Spain
- E** *Centaurium quadrifolium* (L.) Lopez & Jarvis forma *rigualii* (Esteve) E.Bayer & G.Lopez Gonzalez 20874, 10260  
E 20874 Spain (Murcia) 20874
- E** *Centaurium rigualii* Esteve 8000, 20171  
E 11496 Spain (Murcia) 8000
- E** *Centaurium sebaeoides* (Griseb.) Druce 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R** *Centaurium serpenticola* A. Carlstrom 12840  
R 12840 Turkey 12840
- V** *Centaurium somedanum* Lainz 17781  
V 14155 Spain (Cantabrian Range) 20874
- R** *Centaurium trichanthum* (Griseb.) B.L. Robins. 20850  
I 20850 U.S. - California 20850
- R** *Centaurium triphyllum* (W.L.E.Schmidt) Melderis 20171  
R Spain
- R** *Centaurium venustum* (Gray) B.L. Robins. 20850  
I 20850 U.S. - California 20850
- R** *Comastoma pulmonarium* (Turcz.) Toyok. ssp. *sectum* (Satake) Toyok. 10573  
R 10573 Japan 10573
- R** *Djaloniella ypsilostyla* P. Taylor 7926  
R Guinea 7926
- I** *Exacum anamalyanum* Beddome  
I India - Tamil Nadu
- I** *Exacum atropurpureum* Beddome 9330  
I India - Tamil Nadu (Upper Kodayar area) 9330
- E** *Exacum caeruleum* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- I** *Exacum courtallense* Arn. var. *courtallense*  
I India - Tamil Nadu
- I** *Exacum gracilipes* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- I** *Exacum sutaepense* Kerr 19120  
I 19120 Thailand (wide distribution) 19281
- I** *Faroea richardsiae* Tayl. 5926  
I 5926 Tanzania 5926
- R** *Frasera albicaulis* (St. John) C.L. Hitchc. var. *idahoensis* (St. John) C.L. Hitchc. 20850  
R 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850
- V** *Frasera coloradensis* (Rogers) D.M. Post 20850  
V 20850 U.S. - Colorado 20850
- E** *Frasera gypsicola* (Barneby) D.M. Post 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V** *Frasera neglecta* Hall 20850  
V 20850 U.S. - California 20850
- R** *Frasera tubulosa* Coville 20850  
I 20850 U.S. - California 20850
- R** *Gentiana algida* Pallas var. *igarashii* Miyabe & Kudo 10573  
R 10573 Japan 10573
- R** *Gentiana antipoda* Kirk 19106  
R 19305 New Zealand - Antipodes Is. 19106
- R** *Gentiana aquatica* L. var. *laeviuscula* (Ohwi) Ohwi 10573  
R 10573 Japan 10573
- R** *Gentiana austromontana* Pringle & Sharp 20850  
V 20850 U.S. - North Carolina 20850  
V 20850 U.S. - Tennessee 20850  
R 20850 U.S. - Virginia 20850  
Ex/E 20850 U.S. - West Virginia 20850
- R** *Gentiana autumnalis* L. 20850  
Ex/E 20850 U.S. - Delaware 20850  
I 20850 U.S. - Georgia 20850  
R 20850 U.S. - New Jersey 20850  
R 20850 U.S. - North Carolina 20850  
V 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Virginia 20850
- R** *Gentiana axillariflora* A. Leveille & Vaniot var. *coreana* Kudo 15923  
R 15923 Korea, South (Mt Sorak) 15923
- E** *Gentiana baeuerlenii* L.G.Adams 20681  
Ex/E 20681 Australia - Capital Territory 20681  
E 20681 Australia - New South Wales 20681
- R** *Gentiana boissierii* Scott & Kotschy ex Boiss. 12840  
R 12840 Turkey 12840
- V** *Gentiana boryi* Boiss. 20171  
V Spain
- V** *Gentiana bredboensis* L.G.Adams 20681  
V 20681 Australia - New South Wales 20681
- E** *Gentiana cachemirica* Decne. 14768  
E India - Jammu & Kashmir (Kounsarnag) 14768
- R** *Gentiana caliculata* Lex. 9715  
R 19850 Mexico 9715
- R** *Gentiana chathamica* Cheeseman  
R New Zealand - Chatham Is.
- R** *Gentiana crassuloides* Bureau at Franch. 14722  
R 14722 China 14722  
R 14722 Bhutan 14722  
R 14722 India - Arunachal Pradesh 14722  
R 14722 India - Sikkim 14722  
R 14722 India - Uttar Pradesh 14722  
R 14722 Nepal 14722
- R** *Gentiana cruciata* L. ssp. *phlogifolia* (Schott & Kotschy) Tutin 17823, 20171  
R 20631 Romania 20631
- R** *Gentiana dschungarica* Regel 10260

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gentianaceae: *Gentiana*

- R former USSR (Turkestan) 6930
- R *Gentiana hooperi* Pringle 9715  
R 19794 Mexico 9715
- R *Gentiana infelix* Clarke in Hook. f. 14722  
R 14722 China 14722  
R 14722 India - Himachal Pradesh 14722  
R 14722 India - Sikkim 14722  
R 14722 India - Uttar Pradesh 14722
- I *Gentiana laevigata* Martens & Galeotti 9715  
I 19794 Mexico 9715
- R *Gentiana lagodechiana* (Kusn.) Grossh. 5942  
I 5942 Azerbaijan 5942
- I *Gentiana leptoclada* Balf. f. et Forr. ssp. *australis* (Craib) Foysk. 19120  
I 19120 Thailand 19120
- R *Gentiana mirandae* Paray 9715  
R 19794 Mexico 9715
- R *Gentiana montserratii* Vivant  
R 11496 Spain 11496
- R *Gentiana nipponica* Maxim. var. *robusta* Hara 10573  
R 10573 Japan 10573
- R *Gentiana ovatiloba* Kusn. 9715  
R 19794 Guatemala 9715  
R 19794 Mexico 9715
- I *Gentiana paradoxa* Albov 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Georgia 5942
- R *Gentiana pennelliana* Fern. 20850  
R 20850 U.S. - Florida 20850
- R *Gentiana perpussilla* Brandegee 9715  
R 19794 Mexico 9715
- R *Gentiana plurisetosa* C.T. Mason 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- R *Gentiana pumilio* Standley & Steyerf. 9004  
R 19794 Guatemala 9004  
R 19794 Mexico 9004
- R *Gentiana sagjinoidea* Burkill in J. & Proc. 14722  
R 14722 India - Meghalaya (Kumoan) 14722
- V *Gentiana setigera* Gray 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- R *Gentiana shikokiana* Maxim. 10573  
R 10573 Japan 10573
- R *Gentiana spathacea* Kunth 9715  
R 19850 Mexico 9715
- R *Gentiana squarrosa* Ledeb. var. *liukiuiensis* Hatus. 10573  
R 10573 Japan 10573
- R *Gentiana tentyoensis* Masamune 20511  
R 20511 Taiwan 20511
- I *Gentiana timida* Kerr 19120  
I 19120 Thailand (Chiang Mai, Doi Suthep) 19281
- R *Gentiana tomeziana* Litard. & Maire  
R Morocco
- E *Gentiana wingecarribiensis* L.G.Adams 20681  
E 20681 Australia - New South Wales 20681
- V *Gentiana wissmannii* J.B.Williams 20681  
V 20681 Australia - New South Wales 20681
- R *Gentiana yakumontana* Masam. 10573  
R 10573 Japan 10573
- E *Gentiana yakusimensis* Makino 10573  
E 10573 Japan 10573
- V *Gentianella austriaca* (A. et J. Kerner) Holub ssp. *fatrae* (Borb.) Holub 19839  
V 19321 Slovakia 19321
- R *Gentianella bohémica* Skalicky 15316, 20171  
R 2050 Czech Republic 2050  
E 20640 Germany (Bavarian National Park) 15316  
I 17821 Slovakia 17821
- V *Gentianella lutescens* (Velen.) Holub ssp. *carpathica* (Wettst.) Holub 19266  
V 19321 Slovakia 19321
- R *Gentianella lutescens* (Velen.) Holub ssp. *tatrae* (Ronn.) Holub 19321  
R 19321 Slovakia 19321
- R *Gentianella scarlatinostriata* (Gilg) Zarruchi 18200  
R 19965 Peru 18200
- R *Gentianella takedae* Satake 10573  
R 10573 Japan 10573
- R *Gentianella tortuosa* (M.E.Jones) J.Gillett 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E *Gentianella wislizeni* (Engelm.) J.Gillett 20883, 20850  
E 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R *Gentianella yuparensis* Satake 10573  
R 10573 Japan 10573
- V *Gentianopsis victorinii* (Fern.) Iltis 20850, 13967  
V 20850 Canada - Quebec 20850
- R *Gentianopsis yabei* (Takeda & Hara) Ma 10573  
R 10573 Japan 10573
- E *Halenia euryphylla* Allen 20883, 9006  
I 20883 Panama 20883
- E *Halenia woodsoniana* Allen 20883, 9006  
I 20883 Panama 20883
- V *Ixanthus viscosus* Griseb. 17534  
V 17534 Spain - Canary Is. 17534
- V *Lisianthus adamsii* Weaver 20883  
V 20883 Jamaica 20883
- R *Lisianthus capitatus* Urb. 20883  
R 20883 Jamaica 20883
- E *Lisianthus cordifolius* L. 20883  
E 20883 Jamaica 20883
- R *Lisianthus exsertus* Sw. 20883  
R 20883 Jamaica 20883
- V *Lisianthus jefensis* A. Robyns & Elias 20883  
I 20883 Panama 20883
- R *Lisianthus latifolius* Sw. 20883  
V 20883 Jamaica 20883
- V *Lisianthus peduncularis* L.O. Wms. 20883  
I 20883 Panama 20883
- R *Lisianthus troyanus* Urb. 20883  
R 20883 Jamaica 20883
- V *Lisianthus umbellatus* Sw. 20883  
V 20883 Jamaica 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gentianaceae: *Lisianthus*

- E** *Lisianthus cordifolius* L. 13336  
 E 13867 Jamaica (St. Andrew parish) 13336
- R** *Lisianthus umbellatus* Sw. 13336  
 R 13867 Jamaica 13336
- E** *Macroparpea browallioides* (Ewan) A. Robyns & Nilsson 20883, 9006  
 R 9429 Panama 20883
- R** *Macroparpea hartii* Krug. & Urb. 20883  
 R 20883 Jamaica 20883
- E** *Prepusa hookeriana* Gardner 17079  
 E 17079 Brazil - Rio de Janeiro (Serra dos Órgaos, Município de Teresópolis, Nova Friburgo) 17079
- V** *Sabatia brevifolia* Raf. 20850  
 E 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Virginia 20850
- V** *Sabatia capitata* (Raf.) Blake 20850  
 V 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - Tennessee 20850
- R** *Sabatia kennedyana* Fern. 20850, 3064  
 R 20850 Canada - Nova Scotia 20850  
 R 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - Rhode Is. 20850  
 E 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Virginia 20850
- I** *Sebaea fourcadei* Marais 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Swertia beddomei* C.B. Clarke  
 I India - Karnataka (South Canara, Mysore)  
 I India - Kerala (Travancore Hills)  
 I India - Tamil Nadu (Sispara, Nilgiri Hills)
- R** *Swertia noguchiana* Hatus. 10573  
 R 10573 Japan 10573
- R** *Tripterispermum distylum* I. Murata & Yahara 10573  
 R 10573 Japan 10573
- R** *Tripterispermum japonicum* (Sieber & Zucc.) Maxim. var. *albiflorum* Y.N. Lee  
 R Korea, South (Chejudo) 17577
- I** *Urogenias ulugurensis* Gilg 5926  
 I 5926 Tanzania (Uluguru, Ukaguru) 5926
- E** *Voyria pulcherrima* (Standl.) L.O. Wms. 20883, 9099  
 R 9429 Panama 20883

Geraniaceae

Number of genera: 11  
 Number of species: 700  
 Recorded threatened species: 85 (12%)

Mainly temperate and subtropical.

- Ex/E** *Dirachma socotrana* Schweinf. 15534  
 Ex/E 18211 Yemen - Socotra (Muqadrhion Pass) 18211
- V** *Dirachma somalensis* D.A.Link 20387  
 V 20884 Somalia (central) 20387
- R** *Erodium alpinum* L'Hér. 20171  
 R Italy
- R** *Erodium asplenioides* Desf. 20171  
 R Algeria

- R** Tunisia
- R** *Erodium atlanticum* Coss.  
 R Morocco
- R** *Erodium battandieranum* Rouy 10488  
 R 14958 Algeria 10488
- E** *Erodium beketowii* Schmalh. 20171  
 E 20655 Ukraine (south-east) 20649
- R** *Erodium boissieri* Coss. 20171  
 R 11496 Spain 11496
- E** *Erodium cazorlanum* Heywood 19818, 20171  
 E 19818 Spain (Sierras de Cazorla y Segura) 11496
- R** *Erodium cedrorum* Schott & Kotschy s.l. 12840  
 R 12840 Turkey 12840
- V** *Erodium chrysanthum* L'Hér. ex DC. 17781, 20171  
 V Greece
- V** *Erodium daucoides* Boiss. 20171  
 V Spain
- R** *Erodium gaussonianum* Monts.  
 R Spain
- R** *Erodium guicciardii* Heldr. ex Boiss. 20178, 20171  
 R 20178 Albania 20178  
 R Greece
- I** *Erodium gussonii* Ten. 20171  
 I 20804 Italy (south) 20804
- R** *Erodium hakkiaricum* Davis 12840  
 R 12840 Turkey 12840
- R** *Erodium leucanthum* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Erodium manescavi* Coss. 17919, 20171  
 R 20528 France (Pyrénées) 20528
- R** *Erodium masquindalii* Pau  
 R Morocco
- R** *Erodium micropetalum* Boiss. & Hausskn. ex Boiss. 12840  
 R 12840 Turkey 12840
- R** *Erodium microphyllum* Pomel  
 R Algeria  
 I Tunisia
- R** *Erodium oreophilum* Quezel  
 R Chad
- R** *Erodium pau* Sennen 20171  
 R 20692 Spain (Iberian Mts.) 20692
- V** *Erodium paularense* Fernandez-González & Izco 15846  
 V 19174 Spain (Sierra de Guadarrama) 15846
- R** *Erodium pelargoniflorum* Boiss. & Heldr. 12840  
 R 12840 Turkey 12840
- V** *Erodium petraeum* (Gouan) Willd. ssp. *valentinum* (Lange) D.A.Webb & Chater 20171  
 V 20692 Spain (Javalambre, Gúdar & nr Mts.) 20692
- R** *Erodium recoderii* Auriault & Guitt.  
 R 20660 Spain (Málaga, Cádiz) 20664
- R** *Erodium reichardii* (Murray) DC. 20171  
 R Spain - Balearic Is.
- V** *Erodium rodiei* (Braun-Blanq.) Poirion 20171  
 V 20528 France (Alpes-Maritimes) 20528
- R** *Erodium rupestre* (Pourr. ex Cav.) Guitt. 11496, 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Geraniaceae: *Erodium*

- R 11496 Spain 11496
- E *Erodium rupicola* Boiss. 15398, 20171  
E 15398 Spain (Sierra Nevada) 15398
- R *Erodium sanguis-christi* Sennen 20171  
R Spain
- R *Erodium sanguis-christi* Sennen ssp. *sanguis-christi* 20690  
R 20692 Spain (Catalonia & Valencian region) 20692
- R *Erodium saxatile* Pau 20690  
R 20692 Spain (Valencia, Alicante and Murcia provinces) 20692
- R *Erodium sibthorpiatum* Boiss.  
R Greece
- R *Erodium sibthorpiatum* Boiss. ssp. *sibthorpiatum* 12840  
R 12840 Turkey 12840
- V *Erodium somanum* Pesmen 12840  
V 12840 Turkey 12840
- R *Erodium stevenii* M. Bieb. 5942  
R 11552 Russia - North Caucasus 5942
- V *Erodium subintegrifolium* Eig 8895  
V Israel (Sharon & Philistine Plains) 8895
- R *Geranium angustipetalum* Hilliard & B.L.Burt 20604  
R 20604 South Africa - Natal 20604
- E *Geranium arboreum* Gray 20850, 14209  
E 20850 U.S. - Hawaii (Maui) 20850
- E *Geranium attenuilobum* G.N. & F.F. Jones 20850  
I 20850 U.S. - California 20850
- R *Geranium canariense* Reuter  
R 20750 Spain - Canary Is. 20750
- E *Geranium cazorlense* Heywood 19818, 20171  
E 19818 Spain (Sierra de Cazorla) 19818
- R *Geranium cinereum* Cav var. *elatius*  
Davis 12840  
R 12840 Turkey 12840
- R *Geranium cinereum* Cav var. *palmatipartitum*  
Hausskn. ex Knuth 12840  
R 12840 Turkey 12840
- R *Geranium cinereum* Cav var. *pisidicum* Pesmen & Guner 12840  
R 12840 Turkey 12840
- R *Geranium cinereum* Cav var. *ponticum* Davis & Roberts 12840  
R 12840 Turkey 12840
- R *Geranium davisianum* Pesmen & Guner 12840  
R 12840 Turkey 12840
- R *Geranium dolomiticum* Rothm. 20171  
R 19174 Spain 19174
- R *Geranium eginense* Hausskn. & Sint ex Knuth 12840  
R 12840 Turkey 12840
- R *Geranium glaberrimum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Geranium graniticola* Carolin 20681  
R 20681 Australia - New South Wales 20681
- E *Geranium hanaense* Medeiros & St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Geranium humile* Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (West Maui) 20850
- E *Geranium kauaiense* (Rock) St. John 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- I *Geranium lamberti* Sweet ssp. *siamense* (Craib) T. Shimizu 19120  
I 19120 Thailand 19120
- E *Geranium limae* Knuth 18200  
E 9446 Peru 18200
- E *Geranium maderense* Yeo 17781  
E Portugal - Madeira 17891
- R *Geranium mlanjense* Laundon 7749  
R Malawi 7749
- E *Geranium mollendinense* Knuth 18200  
E 9446 Peru 18200
- V *Geranium multiflorum* Gray 20850  
V 20850 U.S. - Hawaii 20850
- V *Geranium multiflorum* A.Gray var. *multiflorum* 14209  
V 14209 U.S. - Hawaii (east Maui) 14209
- R *Geranium placa*  
R Argentina
- R *Geranium platipetalum* Fisch. & Mey. var. *albipetalum*  
Erik & Demirkus 12840  
R 12840 Turkey 12840
- V *Geranium purpureum* Vill. ssp. *forsteri* (Wilmott) H. G. Bak. 5387  
V 20587 United Kingdom (Hampshire) 19232  
Ex/E 5387 United Kingdom - Channel Is. (Guernsey) 5387
- R *Geranium rubescens* Yeo  
R 19174 Portugal - Madeira 19174
- R *Geranium soboliferum* Komarov var. *kiusianum* (Koidz.) Hara 10572  
R 10572 Japan 10572
- I *Geranium tuberaria* Cambess.  
I India (W. Himalaya)
- R *Geranium vagans* Baker ssp. *whytei* (Baker) Laundon 7749  
R Malawi 7749
- I *Monsonia lanuginosa* Knuth 20604, 17458  
I 20604 South Africa - Transvaal 20604
- R *Pelargonium appendiculatum* (L.f.) Willd. 20604  
R 20604 South Africa - Cape Province 20604
- R *Pelargonium boranensis* Friis & M. Gilbert 6087  
R 6087 Ethiopia 6087
- R *Pelargonium burgerianum* J.J.A.van der Walt 20604  
R 20604 South Africa - Cape Province 20604
- R *Pelargonium caledonicum* L.Bokus 20604  
R 20604 South Africa - Cape Province 20604
- R *Pelargonium connivens* E.M.Marais 20604  
R 20604 South Africa - Cape Province 20604
- E *Pelargonium cotyledonis* L'Her. 10260  
E 18996 St Helena 18996
- I *Pelargonium crassipes* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- R *Pelargonium desertorum* Vorster 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- I *Pelargonium ellaphieae* E.M.Marais 20604  
I 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Geraniaceae: *Pelargonium*

- I** *Pelargonium exhibens* Vorster 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Pelargonium hystrix* Harv. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Pelargonium lanceolatum* (Cav.) Kern 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Pelargonium longicaule* Jacq. var. *angustipetalum*  
**C. Boucher** 20604, 17919  
**I** 20604 South Africa - Cape Province 20604
- R** *Pelargonium mutans* Vorster 20604  
**R** 20604 South Africa - Natal 20604
- R** *Pelargonium namaquense* Knuth 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Pelargonium nephrophyllum* E.M.Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Pelargonium punctatum* (Andrews) Willd. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Pelargonium tongaense* Vorster 20604  
**R** 20604 South Africa - Natal 20604
- R** *Pelargonium torulosum* E.M.Marais 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Rhynchotheca spinosa* Ruiz Lopez & Pavon 19557  
**V** 19557 Ecuador 19557

**Gesneriaceae**

Number of genera: 120  
 Number of species: 2,500  
 Recorded threatened species: 265 (10%)

Pantropical, with a few species in temperate regions.

- I** *Aeschynanthus ceylanica* Gardner 8021  
**I** 16162 Sri Lanka 8021
- V** *Alloplectus ambonensis* L. Skog 20883, 9006  
**I** 20883 Panama 20883
- R** *Alloplectus grisebachianus* (Kuntze) Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Alloplectus pubescens* (Griseb.) Fawcett 20883, 13336  
**R** 13336 Jamaica 20883
- E** *Besleria arborescens* Mort. 20883, 9006  
**I** 9719 Panama 20883
- E** *Besleria calycina* L. Skog 20883, 9006  
**R** 9719 Panama 20883
- I** *Besleria chiriquensis* Wiehl. 20883, 9718  
**I** 16317 Panama 20883
- V** *Besleria petiolaris* (Griseb.) Urban 10199  
**V** Dominica 10199
- E** *Besleria rara* L. Skog 20883, 9006  
**R** 9719 Panama 20883
- R** *Boea brachycarpa* Ridley  
**R** Malaysia - Peninsular Malaysia
- I** *Boea divaricata* Ridley  
**I** Malaysia - Peninsular Malaysia
- R** *Boea kinnearii* (F.Muell.) Burt 20681  
**R** 20681 Australia - Queensland 20681
- R** *Boea lanata* Ridley  
**R** Malaysia - Peninsular Malaysia
- R** *Boea parviflora* Ridley  
**R** Malaysia - Peninsular Malaysia (Perak)

- R** *Boea suffruticosa* Ridley  
**R** Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- I** *Chirita moonii* Gardner 8021  
**I** 16162 Sri Lanka 8021
- R** *Chirita sericea* Ridley  
**R** Malaysia - Peninsular Malaysia
- I** *Chirita walkeri* Gardner ssp. *parviflora* (C.B. Clarke) Theob. & Gruepe 8021  
**I** 16162 Sri Lanka (Kalutara) 8021
- E** *Codonanthe chiricana* Wiehl. 20883, 9006  
**V** 9719 Panama 20883
- V** *Codonanthe luteola* Wiehl. 20883, 9006  
**V** 16317 Panama 20883
- R** *Codonanthe macradenia* J.D. Sm. 20883  
**R** 20883 Panama 20883
- E** *Columnnea allenii* Mort. 20883, 9006  
**I** 9719 Panama 20883
- I** *Columnnea ampliata* (Wiehl.) L. Skog 20883, 9006  
**I** 16317 Panama 20883
- V** *Columnnea argentea* Griseb. 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Columnnea arguta* Mort. 20883, 9006  
**I** 20883 Panama 20883
- R** *Columnnea billbergiana* Beurl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Columnnea brevipila* Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Columnnea canarina* Wiehler 9006  
**R** 9719 Panama 9006
- E** *Columnnea cerropirrana* (Wiehl.) L. Skog 20883, 9006  
**R** 9719 Panama 20883
- V** *Columnnea consanguinea* (Mort.) Morley var. *dariensis* (Morton) B. Morley 20883, 9006  
**I** 20883 Panama 20883
- R** *Columnnea crassa* Mort. 20883, 9006  
**I** 20883 Panama 20883
- V** *Columnnea cruenta* Morley 20883, 10747  
**I** 20883 Panama 20883
- R** *Columnnea dissimilis* Mort. 20883, 9006  
**I** 20883 Panama 20883
- E** *Columnnea dressleri* Wiehl. 20883, 9006  
**V** 9719 Panama 20883
- E** *Columnnea gallicauda* Wiehl. 20883, 9006  
**R** 9719 Panama 20883
- R** *Columnnea harrisii* (Urb.) Britton 20883, 13336  
**R** 13336 Jamaica 20883
- E** *Columnnea hiantiflora* Wiehl. 20883, 9006  
**V** 9719 Panama 20883
- R** *Columnnea hirsutissima* Mort. 20883, 9006  
**I** 20883 Panama 20883
- V** *Columnnea hispida* Sw. 20883, 13336  
**V** 19890 Jamaica (St. James, Trelawny) 20883
- V** *Columnnea illepidata* Moore 9006  
**V** 9719 Panama 9006
- V** *Columnnea incarnata* Mort. 20883, 9006  
**I** 20883 Panama 20883
- R** *Columnnea jamaicensis* Urb. 20883, 13336  
**R** 13336 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gesneriaceae: *Columnnea*

- V *Columnnea mira* Morley 20883, 9006  
R 9719 Panama 20883
- E *Columnnea moorei* Mort. 20883, 9006  
R 9719 Panama 20883
- V *Columnnea pectinata* Mort. 20883, 9006  
I 20883 Panama 20883
- V *Columnnea perpulchra* Mort. 20883, 9006  
I 20883 Panama 20883
- R *Columnnea proctorii* Stearn 20883, 19890  
R 20883 Jamaica 20883
- E *Columnnea pulchra* (Wiehl.) L. Skog 20883, 9006  
R 9719 Panama 20883
- E *Columnnea rubida* (Mort.) Mort. 20883, 9006  
V 9719 Panama 20883
- V *Columnnea rubra* Mort. 20883, 9006  
V 9719 Panama 20883
- R *Columnnea rutilans* Sw. 20883  
R 20883 Jamaica 20883
- V *Columnnea silvarum* Mort. 20883, 9006  
R 9719 Panama 20883
- R *Columnnea subcordata* Morton 20883, 13336  
R 13336 Jamaica 20883
- R *Columnnea urbanii* Stearn 20883  
R 20883 Jamaica 20883
- V *Columnnea zebanella* Wiehl. 20883, 9718  
V 16317 Panama 20883
- V *Columnnea zebrina* Raymond 20883, 9006  
I 20883 Panama 20883
- V *Cremosperma maculatum* L. Skog 20883, 9006  
V 16317 Panama 20883
- V *Cremosperma occidentale* Wiehl. 20883, 9718  
V 16317 Panama 20883
- V *Cremosperma veraguanum* Wiehl. 20883, 9718  
I 20883 Panama 20883
- I *Cyrtandra apiculata* C. Clarke 20845  
I 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- E *Cyrtandra bidwillii* C. Clarke 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- E *Cyrtandra biflora* J.R. & J.G. Forster 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- E *Cyrtandra biserrata* Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (east Molokai) 20850
- I *Cyrtandra burttii* Balakr. 7771  
I India - Nicobar Is. (Great Nicobar) 7771
- R *Cyrtandra calpidicarpa* (Rock) St. John & Storey 20850, 14209  
I 20850 U.S. - Hawaii (O`ahu: Ko`olau Mts.) 20850
- E *Cyrtandra connata* Nadeaud 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- Ex/E *Cyrtandra crenata* St. John & Storey 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.) 20850
- E *Cyrtandra cyaneoides* Rock 20850, 14301  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- E *Cyrtandra dentata* St. John & Storey 20850, 14209  
E 20850 U.S. - Hawaii (Wai`anae & Ko`olau Mts.) 20850
- I *Cyrtandra elatostemmoides* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- E *Cyrtandra elizabethae* H. Saint John 20845  
E 20845 French Polynesia - Tubuai Is. (Raivavae, Rurutu) 20845
- R *Cyrtandra feaniana* F. Brown 20845  
R 20845 French Polynesia - Marquesas Is 20845
- Ex/E *Cyrtandra filipes* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Molokai, West Maui) 20850
- R *Cyrtandra geminata* Reinecke 7925  
R U.S. - American Samoa (Tutuila) 7925
- I *Cyrtandra geminiflora* Nadeaud 20845  
I 20845 French Polynesia - Society Is. (Tahiti) 20845
- E *Cyrtandra giffardii* Rock 20850, 14209, 21348, 21356  
E 20850 U.S. - Hawaii 20850
- E *Cyrtandra glabra* Banks ex J. Gaertner 20845  
E 20845 French Polynesia - Society Is. (Tahiti) 20845
- Ex/E *Cyrtandra gracilis* Hbd. ex C.B. Clarke 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O`ahu) 20850
- R *Cyrtandra gurkeana* Lauterb.  
R Western Samoa
- E *Cyrtandra halawensis* Rock 20850, 14209  
E 20850 U.S. - Hawaii (east Moloka`i) 20850
- E *Cyrtandra hematos* St. John 20850, 14209  
E 20850 U.S. - Hawaii (eastern Moloka`i) 20850
- I *Cyrtandra inaequifolia* Kranzle. 13833  
I 13833 Philippines (Palawan) 13833
- R *Cyrtandra induta* A. Gray 20845  
R 20845 French Polynesia - Society Is. (Tahiti) 20845
- R *Cyrtandra jonesii* (F. Brown) G. Gillett 20845  
R 20845 French Polynesia - Marquesas Is 20845
- R *Cyrtandra kalihii* Wawra 20850, 14209  
I 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.) 20850
- E *Cyrtandra kaulantha* St. John & Storey 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu) 20850
- E *Cyrtandra kealiae* Wawra 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- Ex/E *Cyrtandra kohalae* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kohala Mts.) 20850
- E *Cyrtandra lillianae* Setchell 19471  
E 19471 Cook Is. (Southern group) (Rarotonga) 19471
- E *Cyrtandra limahuliensis* St. John 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i) 20850
- I *Cyrtandra livida* Kranzl. 13833  
I 13833 Philippines (Palawan) 13833
- I *Cyrtandra longiflora* J. Moore 20845  
I 20845 French Polynesia - Society Is. 20845
- Ex/E *Cyrtandra lydgatei* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- V *Cyrtandra macraei* Gray 20850, 14209  
I 20850 U.S. - Hawaii (O`ahu) 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gesneriaceae: *Cyrtandra*

- E** *Cyrtandra macrocalyx* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (Moloka'i) 20850
- V** *Cyrtandra madeaudii* C. Clarke 20845  
**V** 20845 French Polynesia - Society Is. (Tahiti) 20845
- E** *Cyrtandra mareensis* Daniker 20893  
**E** 20893 New Caledonia 20893
- R** *Cyrtandra mooreaensis* G. Gillett 20845  
**R** 20845 French Polynesia - Society Is. (Moorea) 20845
- R** *Cyrtandra mucronata* Nadeaud 20845  
**R** 20845 French Polynesia - Society Is. (Tahiti) 20845
- E** *Cyrtandra munroi* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (Lana'i) 20850
- I** *Cyrtandra occidentalis* Balakr. & Burt 7771  
**I** India - Nicobar Is. (Gt. Nicobar Is.) 7771
- E** *Cyrtandra oenobarba* Mann 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Cyrtandra oenobarba* H. Mann var. *oenobarba* 14209  
**R** 14209 U.S. - Hawaii 14209
- Ex/E** *Cyrtandra olona* Forbes 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Cyrtandra ootensis* F. Brown  
**E** French Polynesia - Marquesas Is
- E** *Cyrtandra oxybapha* W.L. Wagner & Herb 20850, 14209  
**E** 20850 U.S. - Hawaii (West Maui) 20850
- E** *Cyrtandra pickeringii* Gray 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Cyrtandra pickeringii* A. Gray var. *pickeringii* 14209  
**R** 14209 U.S. - Hawaii 14209
- E** *Cyrtandra polyantha* C.B. Clarke 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts.) 20850
- R** *Cyrtandra procera* Hbd. 20850, 14209  
**I** 20850 U.S. - Hawaii (Moloka'i) 20850
- Ex/E** *Cyrtandra pruinosa* St. John & Storey 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- V** *Cyrtandra raiaensis* J. Moore 20845  
**V** 20845 French Polynesia - Society Is. (Raiaatea) 20845
- I** *Cyrtandra revoluta* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Fatu Hiva) 20845
- Ex/E** *Cyrtandra rivularis* St. John & Storey 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- I** *Cyrtandra rupicola* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- E** *Cyrtandra sandwicensis* (Lvl.) St. John & Storey 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- E** *Cyrtandra sessilis* St. John & Storey 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- E** *Cyrtandra subumbellata* (Hbd.) St. John & Storey 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu, Wai'anae Mts.) 20850
- I** *Cyrtandra tahuatensis* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Tahuata) 20845
- R** *Cyrtandra taitensis* W. Rich ex A. Gray 20845  
**R** 20845 French Polynesia - Society Is. (Tahiti) 20845
- Ex/E** *Cyrtandra tintinnabula* Rock 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Laupahoehoe) 20850
- R** *Cyrtandra tohiveaensis* G. Gillett 20845  
**R** 20845 French Polynesia - Society Is. (Moorea) 20845
- E** *Cyrtandra toviana* F. Brown 20845  
**E** 20845 French Polynesia - Marquesas Is (Nukua Hiva) 20845
- V** *Cyrtandra vairiae* Drake 20845  
**V** 20845 French Polynesia - Society Is. (Tahiti) 20845
- I** *Cyrtandra vescoi* Drake 20845  
**I** 20845 French Polynesia - Society Is. (Tahiti) 20845
- E** *Cyrtandra viridiflora* St. John & Storey 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu - Ko'olau Mts.) 20850
- R** *Cyrtandra waianaensis* St. John & Storey 20850, 14209  
**I** 20850 U.S. - Hawaii (O'ahu, Wai'anae Mts.) 20850
- Ex/E** *Cyrtandra waiolani* Wawra 20850  
**Ex/E** 20850 U.S. - Hawaii 20850
- Ex** *Cyrtandra waiolani* Wawra var. *waiolani* 14209  
**Ex** 14209 U.S. - Hawaii 14209
- V** *Cyrtandra wawrae* C.B. Clarke 20850, 14209  
**I** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Cyrtandroidea jonesii* F. Brown  
**E** French Polynesia - Marquesas Is
- I** *Dichiloboea acaulis* Barnett 19120  
**I** 19120 Thailand 19120
- I** *Dichiloboea glabescens* Barnett 19120  
**I** 19120 Thailand 19120
- I** *Dichiloboea glandulifera* Barnett 19120  
**I** 19120 Thailand 19120
- I** *Dichiloboea strobilacea* Barnett 19102  
**I** 19102 Thailand 19120
- I** *Dichrotrichum biflorum* Elm. 13833  
**I** 13833 Philippines (Mt. Pulgar) 13833
- I** *Dichrotrichum pauciflorum* Merr. 13833  
**I** 13833 Philippines (Mt. Capaos) 13833
- I** *Didymocarpus fischeri* Gamble  
**I** India - Tamil Nadu
- I** *Didymocarpus floccosus* Thwaites 8021  
**I** 16162 Sri Lanka (Dolosbage) 8021
- I** *Didymocarpus meeboldii* W. Smith  
**I** India - Kerala  
**I** India - Tamil Nadu (Madurai hills)
- R** *Didymocarpus missionis* Wallich 6987  
**R** 14782 India - Tamil Nadu 6987
- I** *Didymocarpus ovalifolia* Wight 6987

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gesneriaceae: *Didymocarpus*

- I India - Tamil Nadu 6987
- E** *Didymocarpus primulinus* Ridley 7607  
 E 7607 Malaysia - Peninsular Malaysia (Klang Gates Ridge) 7607
- R** *Didymocarpus zeylanicus* R. Br. 8021  
 R 20013 Sri Lanka 8021
- V** *Drymonia aciculata* Wiehl. 20883, 9006  
 I 20883 Panama 20883
- V** *Drymonia flavida* L. Skog 20883, 9006  
 V 16317 Panama 20883
- E** *Drymonia microphylla* Wiehl. 20883, 9718  
 I 20883 Panama 20883
- V** *Drymonia sulphurea* Wiehl. 20883, 9006  
 V 16317 Panama 20883
- R** *Episcia punctata* (Lindley) Hanst. 21204  
 R 21204 Mexico - Jalisco 21204
- V** *Gasteranthus maculatus* Wiehl. 20883, 9718  
 V 16317 Panama 20883
- R** *Gesneria acaulis* L. var. *glabrata*  
 Skog 19890  
 R 19890 Jamaica 19890
- V** *Gesneria alpina* (Urb.) Urb. 20883, 19890  
 R 19890 Jamaica 20883
- R** *Gesneria calycina* Sw. 20883, 13336  
 R 19890 Jamaica (Portland) 20883
- R** *Gesneria calycosa* (Hook.) Kuntze 20883  
 R 20883 Jamaica 20883
- V** *Gesneria clandestina* (Griseb.) Urb. 20883, 13336  
 V 19890 Jamaica (St. Thomas) 20883
- R** *Gesneria exserta* Sw. 20883  
 R 20883 Jamaica 20883
- R** *Gesneria fawcettii* Urb. 20883  
 R 20883 Jamaica 20883
- I** *Gesneria glandulosa* (Griseb.) Urban 5607  
 I 19105 Cuba (Guantanamo) 5607
- V** *Gesneria gloxinoides* (Griseb.) Urban 5607  
 V 19105 Cuba (Pinar del Rio) 5607
- R** *Gesneria harrisii* Urb. 20883, 19890  
 R 19890 Jamaica 20883
- I** *Gesneria hypoclada* 15229  
 I 15229 Haiti (La Visite & Macaya National Parks) 15229
- E** *Gesneria jamaicensis* Britton 20883, 13336  
 E 19890 Jamaica (St. Elizabeth) 20883
- V** *Gesneria lindmanii* Urban 5607  
 V 19105 Cuba (Guantanamo) 5607
- V** *Gesneria mimuloides* (Griseb.) Urb. 20883  
 V 20883 Jamaica 20883
- E** *Gesneria neglecta* (Hook.) Kuntze 20883  
 E 20883 Jamaica 20883
- V** *Gesneria onychocalyx* Skog 20883, 19890  
 V 19890 Jamaica (Portland) 20883
- E** *Gesneria pauciflora* Urban 20883, 8058  
 I 20883 Puerto Rico 20883
- R** *Gesneria proctorii* Stearn 20883  
 R 20883 Jamaica 20883
- R** *Gesneria pumila* Sw. 20883  
 R 20883 Jamaica 20883
- R** *Gesneria pumila* Sw. ssp. *mimuloides* (Griseb.)  
 Skog. 13336  
 R 13336 Jamaica 13336
- R** *Gesneria pumila* Sw. ssp. *neglecta* (Hook.)  
 Skog. 13336  
 R 19890 Jamaica 19890
- R** *Gesneria pumila* Sw. ssp. *proctorii* (Stearn)  
 Skog 13336  
 R 13336 Jamaica 13336
- R** *Gesneria scabra* Sw. 20883  
 R 20883 Jamaica 20883
- I** *Gesneria scabra* Sw. var. *fawcettii* (Urb.)  
 Skog 19890  
 I 19890 Jamaica 19890
- R** *Gesneria scabra* var. *scabra* 19890  
 R 19890 Jamaica 19890
- V** *Gesneria scabra* var. *sphaerocarpa* (Urb.)  
 Skog 19890  
 V 19890 Jamaica 19890
- R** *Gesneria scabra* var. *viridicalyx* Skog 19890  
 R 19890 Jamaica 19890
- V** *Gesneria wrightii* Urban 5607  
 V 19105 Cuba (Guantanamo) 5607
- R** *Gloxinia dodsonii* Wiehler 16958  
 R 16958 Ecuador 16958
- R** *Haberlea rhodopensis* Friv. 5204, 20171  
 R 5204 Bulgaria (central & south) 5204
- V** *Jankaea heldreichii* (Boiss.) Boiss. 17781, 20171  
 V 19174 Greece (central (Olimbos)) 8000
- R** *Kohleria amabilis* (Planchon & Linden) Fritsch 21254  
 R 21254 Colombia 21254
- R** *Lenbrassia australiana* (C.White) G.Gillett 20681  
 R 20681 Australia - Queensland 20681
- I** *Linnaeopsis alba* (E.A. Bruce) B.L. Burt 5926  
 I 5926 Tanzania (Uluguru mountains) 5926
- I** *Linnaeopsis heckmanniana* Engl. 5926  
 I 5926 Tanzania (Uluguru mountains) 5926
- I** *Linnaeopsis subscandens* B.L. Burt 5926  
 I 5926 Tanzania (Uluguru mountains) 5926
- R** *Lysionotus ikedae* Hatus. 14961  
 R 20854 Taiwan (Botel Tobago) 14961
- R** *Monophyllaea hirticalyx* Franch.  
 R Malaysia - Peninsular Malaysia
- V** *Monopyle grandiflora* Wiehl. 20883, 9718  
 V 16317 Panama 20883
- E** *Monopyle panamensis* Mort. 20883, 9006  
 E 20883 Panama 20883
- V** *Moussonia ampla* L. Skog 20883, 9006  
 V 16317 Panama 20883
- R** *Moussonia hirsutissima* (C. Morton) Wiehler 9719  
 R 9719 Mexico 9719
- V** *Moussonia serrulata* (Mort.) Wiehl. 20883, 9006  
 R 9719 Panama 20883
- R** *Moussonia triflora* (Martens & Galeotti) Hanst. 9719  
 R 9719 Mexico 9719
- R** *Nautilocalyx colombianus* Wiehl. 20883  
 V 20883 Panama 20883
- V** *Nautilocalyx colonensis* Wiehl. 20883, 9721

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gesneriaceae: *Nautilocalyx*

- V 16317 Panama 20883
- V *Nautilocalyx dressleri* Wiehl. 20883, 9006  
V 16317 Panama 20883
- R *Nautilocalyx panamensis* (Seem.) Seem. 20883  
V 20883 Panama 20883
- E *Nautilocalyx pemphidius* L. Skog 20883  
I 20883 Venezuela 20883
- E *Nautilocalyx speciosus* Wiehl. 20883, 9721  
R 9719 Panama 20883
- R *Negria rhabdothamnoides* F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V *Oerstedina cerricola* Wiehl. 20883, 9006  
I 20883 Panama 20883
- E *Oerstedina suffrutescens* L. Skog 20883, 9006  
R 9719 Panama 20883
- R *Opithandra primuloides* (Miq.) B.L. Burt 10573  
R 10573 Japan 10573
- I *Ornithoboea pseudoflexuosa* Burt 19120  
I 19120 Thailand 19120
- I *Paraboea bakeri* M.R. Henderson  
I Malaysia - Peninsular Malaysia
- I *Paraboea bettiana* M.R. Henderson  
I Malaysia - Peninsular Malaysia
- I *Paraboea bintangensis* Burt  
I Malaysia - Peninsular Malaysia
- R *Paraboea capitata* Ridley  
R Malaysia - Peninsular Malaysia
- R *Paraboea laxa* Ridley  
R Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- I *Paraboea vulpina* Ridley  
I Malaysia - Peninsular Malaysia (Perak)
- E *Paradrymonia alba* Wiehl. 20883, 9721  
I 20883 Panama 20883
- V *Paradrymonia flava* Wiehl. 20883, 9721  
R 9719 Panama 20883
- V *Paradrymonia macrophylla* Wiehl. 20883, 9721  
V 9719 Panama 20883
- E *Paradrymonia ommata* L. Skog 20883, 9006  
R 9719 Panama 20883
- R *Pearcea bilabiata* Kvist & Skog 21260  
R 21260 Ecuador 21260
- E *Pheidonocarpa corymbosa* (Sw.) Skog 20883, 19890  
E 19890 Jamaica 20883
- V *Pheidonocarpa cubensis* (Morton) Borh. 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Phinaea pulchella* (Griseb.) Morton  
V 19105 Cuba (Pinar del Rio) 19105
- R *Ramonda nathaliae* Pancic & Petrovic 20171  
R (former) Yugoslavia
- R *Ramonda serbica* Pancic 8000, 20171  
R 20178 Albania 20178  
R 5204 Bulgaria (north-west) 5204  
V Greece  
R (former) Yugoslavia
- V *Reldia alternifolia* Wiehl. 20883, 9006  
V 9719 Panama 20883
- V *Reldia veraguensis* Wiehl. 20883, 9006  
V 16317 Panama 20883
- R *Rhynchoglossum lazulinum* A. Rao & Joseph 14782  
R 14782 India - Arunachal Pradesh 14782
- R *Rhytidophyllum grande* (Sw.) Mart. 20883  
R 20883 Jamaica 20883
- R *Rhytidophyllum grande* (Sw.) Mart. var. *grande* 20883  
R 20883 Jamaica 20883
- R *Rhytidophyllum grande* (Sw.) Mart. ex G. Don var. *laevigatum* C.D. Adams 15911  
R 13336 Jamaica 15911
- V *Rhytidophyllum minus* Urban 5607  
V 19105 Cuba (Granma) 5607
- I *Rhytidophyllum rhodocalyx* Urban 5607  
I 19105 Cuba (Granma; Santiago de Cuba) 5607
- V *Rufodorsia intermedia* Wiehl. 20883, 9006  
I 20883 Panama 20883
- V *Rufodorsia major* Wiehl. 20883, 9006  
R 9719 Panama 20883
- I *Saintpaulia confusa* B.L. Burt 19103  
I 8015 Tanzania (east Usambara Mts.) 19103
- I *Saintpaulia difficilis* B.L. Burt 19103  
I 19103 Tanzania (east Usambara Mts.) 19103
- I *Saintpaulia diplotricha* B.L. Burt 19103  
I 8015 Tanzania (east Usumbaras & coastal plain) 19103
- I *Saintpaulia grandifolia* B.L. Burt 19103  
I 8015 Tanzania (West Usambara mountains) 5926
- I *Saintpaulia grotei* Engl. 19103  
I 19103 Tanzania (east Usambara Mts.) 19103
- I *Saintpaulia inconspicua* B.L. Burt 19103  
I 8015 Tanzania (Uluguru mountains) 19103
- I *Saintpaulia intermedia* B.L. Burt 19103  
I 8015 Tanzania (coastal plain, Tanga and E. Usambara mountains) 19103
- E *Saintpaulia ionantha* H.A. Wendl. 19102  
E 19103 Tanzania (east Usambara Mts.) 5926
- I *Saintpaulia magungensis* Roberts var. *minima* B.L. Burt 19130  
I 19103 Tanzania (east Usambara Mts.) 5926
- I *Saintpaulia magungensis* Roberts var. *occidentalis* B.L. Burt 19103  
I 8015 Tanzania (W. Usambara mountains) 19103
- I *Saintpaulia orbicularis* B.L. Burt 19103  
I 19103 Tanzania (W. Usambara mountains) 19103
- I *Saintpaulia orbicularis* Burt var. *purpurea* Burt 5926  
I 8015 Tanzania 5926
- I *Saintpaulia pendula* B.J. Burt 19103  
I 19103 Tanzania (east Usambara Mts.) 5926
- I *Saintpaulia pendula* Burt var. *kizarae* Burt 5926  
I 8015 Tanzania (east Usambara Mts.) 5926
- R *Saintpaulia pusilla* Engl. 19103  
R 19103 Tanzania (Uluguru and Ukaguru mountains) 19103
- E *Saintpaulia rupicola* B.L. Burt 6073  
E 6073 Kenya (south, coastal region) 19103
- I *Saintpaulia shumensis* B.L. Burt 19103  
I 19103 Tanzania (W. Usambara mountains) 19103

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Gesneriaceae: *Saintpaulia*

- E** *Saintpaulia teitensis* B.L. Burt 19103  
**E** 19103 Kenya (Teita hills) 19103
- I** *Saintpaulia tongwensis* B.L. Burt 19103  
**I** 19103 Tanzania (Mt Tongwe) 19103
- I** *Saintpaulia velutina* B.L. Burt 19103  
**I** 19103 Tanzania (W. Usamabara mountains) 19103
- R** *Solenophora chiapasensis* D. Gibson 9004  
**R** 9719 Mexico 9004
- I** *Streptocarpus bambusetii* Burt 5926  
**I** 5926 Tanzania (Nguru) 5926
- R** *Streptocarpus brachynema* Hilliard & B.L. Burt  
**R** Mozambique
- I** *Streptocarpus bullatus* Mansf. 5926  
**I** 5926 Tanzania (Uluguru mountains) 5926
- R** *Streptocarpus cyanandrus* B.L. Burt 7890  
**R** Zimbabwe 7890
- E** *Streptocarpus davyi* S.Moore 20604, 18023  
**E** 20604 Swaziland 20604
- R** *Streptocarpus decipiens* Hilliard & B.L. Burt 20604,  
 17458  
**R** 20604 South Africa - Transvaal 20604
- I** *Streptocarpus euanthus* Mansf. 5926  
**I** 5926 Tanzania (N.E. Uluguru mountains) 5926
- V** *Streptocarpus floribundus* Weigend &  
 T.J. Edwards 20604  
**V** 20604 South Africa - Natal 20604
- R** *Streptocarpus formosus* (Hilliard & B.L. Burt) Weigend &  
 T.J. Edwards 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Streptocarpus gongaensis* Engl. 5926  
**I** 5926 Tanzania (east Usambaras Mts.) 5926
- R** *Streptocarpus grandis* C.B. Clarke ssp.  
*septentrionalis* Hilliard & Burt  
**R** Zimbabwe
- I** *Streptocarpus hirsutissimus* E.A. Bruce 5926  
**I** 5926 Tanzania (Uluguru mountains) 5926
- R** *Streptocarpus hirticapsa* B.L. Burt 7890  
**R** Zimbabwe 7890
- I** *Streptocarpus holstii* Engl. 5926  
**I** 5926 Tanzania (east Usambaras Mts.) 5926
- I** *Streptocarpus inflatus* B.L. Burt 5926  
**I** 5926 Tanzania (Iringa) 5926
- R** *Streptocarpus kentaniensis* Britten & Story 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Streptocarpus kimbozanus* B.L. Burt 5926  
**I** 5926 Tanzania (Uluguru mountains) 5926
- I** *Streptocarpus kungwensis* Hill. & Burt 5926  
**I** 5926 Tanzania (Mahali) 5926
- R** *Streptocarpus myoporoides* Hilliard & B.L. Burt  
**R** Mozambique
- R** *Streptocarpus nimbicola* Hilliard & B.L. Burt  
**R** Malawi
- I** *Streptocarpus parensis* Burt 5926  
**I** 5926 Tanzania (Pare mountains & possibly W. Usamabara  
 mountains) 5926
- R** *Streptocarpus pogonites* Hilliard & B.L. Burt 20604,  
 17458  
**R** 20604 South Africa - Transvaal 20604

- R** *Streptocarpus porphyrostachys* Hilliard 20604  
**I** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Streptocarpus schliebenii* Mansf. 5926  
**I** 5926 Tanzania (Nguru and Ukaguru Mts.) 5926
- I** *Streptocarpus stomandrus* Burt 5926  
**I** 5926 Tanzania (Nguru mountains) 5926
- I** *Streptocarpus tchenzemaie* Gilli 5926  
**I** 5926 Tanzania (Uluguru mountains) 5926
- I** *Streptocarpus thysanotus* Hilliard & B.L. Burt 5926  
**I** 5926 Tanzania (Uluguru mountains) 5926
- R** *Streptocarpus wendlandii* Spreng. 20604  
**R** 20604 South Africa - Natal 20604

**Globulariaceae**

Number of genera: 10  
 Number of species: 300  
 Recorded threatened species: 9 (3%)

Africa; Madagascar; Europe; western Asia.

- E** *Globularia ascanii* D. Bramwell & Kunkel 17781  
**E** 19174 Spain - Canary Is. 17781
- R** *Globularia cambessedesii* Willk. 20171  
**R** 11496 Spain - Balearic Is. (Mallorca) 11496
- R** *Globularia davisiana* O. Schwarz 12840  
**R** 12840 Turkey 12840
- R** *Globularia dumulosa* O. Schwarz 12840  
**R** 12840 Turkey 12840
- R** *Globularia incaescens* Viv. 20171  
**R** Italy
- V** *Globularia neapolitana* O. Schwarz 18264, 20171  
**V** 18264 Italy (Campania) 18264
- R** *Globularia repens* Lam. ssp. *borjajae*  
 G. López 20692  
**R** 20692 Spain (central-eastern) 20692
- E** *Globularia sarcophylla* Svent. 17781  
**E** 20750 Spain - Canary Is. 17781
- E** *Globularia stygia* Orph. ex Boiss. 8000, 20171  
**E** Greece (mountains of N. Peloponnisos)  
 8000

**Goetzeaceae**

Number of genera: 4  
 Number of species: 7  
 Recorded threatened species: 1 (14%)

West Indies.

- E** *Goetzea elegans* Wyder 20883, 10197  
**I** 20883 Puerto Rico (Gujataca G. & Quebradillas)  
 20883

**Gomortegaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Central Chile.

- E** *Gomortega keule* (Mol.) Baillon 21089,  
**V** 20883 Chile 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Goodeniaceae: *Anthotium*

**Goodeniaceae**

Number of genera: 14  
 Number of species: 300  
 Recorded threatened species: 33 (11%)

Primarily Australia; also New Zealand, Japan, and tropical and subtropical Old and New World.

- R** *Anthotium junciforme* (Vriese) D.A.Morrison 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Cooperookia georgei* Carolin 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Cooperookia scabridiuscula* Carolin 14223, 20681  
**V** 20681 Australia - Queensland 20681
- R** *Dampiera diversifolia* Vriese 20681, 10260  
**R** Australia - Western Australia
- R** *Dampiera fusca* Rajput & Carolin 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Goodenia angustifolia* Carolin 20681  
**R** 20681 Australia - Queensland 20681
- R** *Goodenia chambersii* F.Muell. 20681  
**R** 20681 Australia - South Australia 20681
- R** *Goodenia faucium* Carolin 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Goodenia fordiana* Carolin 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Goodenia glomerata* Maiden & Betche 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Goodenia macbaronii* Carolin 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681  
**I** 20681 Australia - Victoria 20681
- R** *Goodenia neogoodenia* (C.Gardner & A.S.George)  
 Carolin 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Goodenia potamica* Carolin 20681  
**R** 20681 Australia - Northern Territory 20681
- V** *Goodenia quadrifida* (Carolin) Carolin 20681  
**V** 20681 Australia - Northern Territory 20681
- R** *Goodenia rostrivalvis* Domin 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Goodenia rupestris* Carolin 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Goodenia stenophylla* F.Muell. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Goodenia stirlingii* F.M.Bailey 20681  
**V** 20681 Australia - Queensland 20681
- R** *Goodenia viridula* Carolin 20681  
**R** 20681 Australia - Queensland 20681
- V** *Lechenaultia chlorantha* F.Muell. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Lechenaultia larcina* Lindley 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Lechenaultia longiloba* F.Muell. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Lechenaultia pulvinaris* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Lechenaultia superba* F.Muell. 20681  
**R** 20681 Australia - Western Australia 20681

- V** *Scaevola coccinea* Daniker 20893  
**V** 20893 New Caledonia 20893
- E** *Scaevola coriacea* Nutt. 20850, 14209  
**E** 20850 U.S. - Hawaii (Maui - Waiehu) 20850
- R** *Scaevola gaudichaudii* Hook. & Arn. 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- E** *Scaevola kilauaeae* O. Deg. 20850  
**E** 20850 U.S. - Hawaii 20850
- Ex** *Scaevola macrophylla* (Vriese) Benth. 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- E** *Scaevola macropyrena* I. Mueller 20893  
**E** 20893 New Caledonia 20893
- I** *Scaevola tahitensis* Carlquist 20845  
**I** 20845 French Polynesia - Society Is. (Tahiti)  
 20845
- R** *Scaevola verticillata* Leenh. 7730  
**R** Malaysia - Sabah (Mt Tambuyukon) 7730
- V** *Velleia perfoliata* R.Br. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Verreauxia verreauxii* (Vriese) Carolin 20681  
**V** 20681 Australia - Western Australia 20681

**Greyiaceae**

Number of genera: 1  
 Number of species: 3  
 Recorded threatened species: 1 (33%)

South Africa, mainly eastern Transvaal escarpment and the Drakensberg.

- R** *Greyia flanaganii* Bolus 20604, 18289  
**R** 20604 South Africa - Cape Province (Ciskei - rocky slopes) 20604

**Grossulariaceae**

Number of genera: 25  
 Number of species: 180  
 Recorded threatened species: 17 (9%)

Cosmopolitan.

- V** *Ribes amarum* Munz var. *hoffmannii*  
 Munz 20850  
**V** 20850 U.S. - California 20850
- I** *Ribes armenum* Pojark. 5942  
**I** 5942 Armenia 5942
- V** *Ribes binominatum* Heller 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- V** *Ribes canthariforme* Wiggins 20850  
**V** 20850 U.S. - California 20850
- E** *Ribes divaricatum* (Heller) Jepson var. *parishii*  
 (Heller) Jepson 20850  
**E** 20850 U.S. - California 20850
- E** *Ribes echinellum* (Coville) Rehd. 20850  
**E** 20850 U.S. - Florida (shore, Lake Miccosukee)  
 20850  
**I** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - South Carolina (McCormick Co.)  
 20850
- V** *Ribes erythrocarpum* Coville & Leib. 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Ribes integrifolium* Philippi 13875  
**R** 13875 Chile 13875

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Grossulariaceae: *Ribes*

- Ex** *Ribes kolydense* (Trautv.) Komarov ex Pojark 6930  
 Ex 6930 former USSR 6930
- I** *Ribes malvifolium* Pojark. 5942  
 I 5942 Tajikistan 5942  
 I 5942 Uzbekistan 5942
- E** *Ribes menziesii* Pursh var. *thacherianum*  
 Jepson 20850  
 I 20850 U.S. - California 20850
- R** *Ribes niveum* Lindl. 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- R** *Ribes oxycanthoides* L. ssp. *irriguum* (Dougl.)  
 Sinnott 20850  
 I 20850 Canada - British Columbia 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Montana 20850  
 R 20850 U.S. - Oregon 20850  
 V 20850 U.S. - Washington 20850
- R** *Ribes sandaliticum* (Arrigoni) Arrigoni 18264  
 R 18264 Italy - Sardinia 18264
- E** *Ribes sardoum* Martelli 8000, 20171  
 E 18264 Italy - Sardinia (Monti di Oliena) 19997
- V** *Ribes sericeum* Eastw. 20850  
 I 20850 U.S. - California 20850
- V** *Ribes tularense* (Coville) Fedde 20850, 11051  
 V 20850 U.S. - California (Tulare County) 20850
- I** *Ribes ussuriense* Jancz. 5942  
 I 5942 Russia (Far East) - Primorye (extreme south-east) 5942

**Grubbiaceae**

Number of genera: 1  
 Number of species: 3  
 Recorded threatened species: 1 (33%)

Cape Province (South Africa).

- R** *Grubbia rourkei* Carlquist 20604  
 R 20604 South Africa - Cape Province 20604

**Gunneraceae**

Number of genera: 1  
 Number of species: 50  
 Recorded threatened species: 5 (10%)

Southern Hemisphere to southern Mexico.

- E** *Gunnera hamiltonii* Kirk 86  
 E 19305 New Zealand - South Is. 19305
- R** *Gunnera insignis* (Oersted) A. DC. 9037  
 V 11533 Costa Rica 9037  
 V 11533 Nicaragua 11533  
 R 19577 Panama 9037
- V** *Gunnera kauaiensis* Rock 20850, 14209  
 I 20850 U.S. - Hawaii 20850
- I** *Gunnera killipiana* Lundell 10320  
 I 11533 Guatemala 11533  
 I 11533 Mexico 10320
- E** *Gunnera mexicana* Brandegee 11533  
 E 11533 Mexico 11533

**Guttiferae**

Number of genera: 50  
 Number of species: 1,200  
 Recorded threatened species: 152 (12%)

Moist tropical and North temperate.

- E** *Ascyrum macrosepalum* S. Brown  
 E Bermuda
- I** *Bonnetia cordifolia* Maguire 21018  
 I 21018 Venezuela (Bolívar) 21018
- I** *Bonnetia liesneri* Steyerem. 21018  
 I 21018 Venezuela (Amazonas) 21018
- I** *Bonnetia ptiariensis* Steyerem. 21018  
 I 21018 Venezuela (Bolívar) 21018
- I** *Bonnetia roseiflora* Maguire 21018  
 I 21018 Venezuela (Bolívar) 21018
- V** *Calophyllum amblyphyllum* A.C.Sm. & S.Darwin 19630  
 V 19630 Fiji (Viti Levu south coast) 19630
- R** *Calophyllum aureo-brunnescens* M.R. Henderson &  
 Wyatt-Smith 17450  
 R Malaysia - Peninsular Malaysia (Padang Luas, Pahang)
- V** *Calophyllum bracteatum* Thwaites 8021  
 V 12838 Sri Lanka (south-west) 8021
- V** *Calophyllum calaba* L. var. *calaba* 10232  
 V 20013 Sri Lanka 10232
- V** *Calophyllum calaba* L. var. *worthingtonii* P.  
 Stevens 10232  
 V 20013 Sri Lanka (south-west) 10232
- R** *Calophyllum changii* N. Robson 14961  
 R 14961 Taiwan (Botel Tobago) 14961
- E** *Calophyllum cordato-oblongum* Thwaites 8021  
 E 12838 Sri Lanka (Hinidumkanda & Kanneliya) 8021
- I** *Calophyllum cuneifolium* Thwaites 8021  
 I 16162 Sri Lanka (Badulla; Madulkelle) 8021
- R** *Calophyllum eputamen* P. Stevens var.  
*eputamen* 10082  
 R 20774 Mauritius 10082
- R** *Calophyllum eputamen* P. Stevens var. *grandis* P.  
 Stevens 10082  
 R 20771 Mauritius 10082
- I** *Calophyllum fraseri* M.R. Henderson &  
 Wyatt-Smith 20224  
 I Malaysia - Peninsular Malaysia 20224
- E** *Calophyllum leucocarpum* A.C. Smith 19630  
 E 19630 Fiji (Vanua Levu) 19630
- V** *Calophyllum moonii* Wight 12838  
 V 12838 Sri Lanka 12838
- E** *Calophyllum nubicola* D'Arcy & Keating 20883, 10747  
 I 20883 Panama 20883
- R** *Calophyllum parviflorum* Bojer ex Baker 10082  
 R 20771 Mauritius 10082
- R** *Calophyllum poilanei* Gagnepain 6057  
 R Vietnam 6057
- I** *Calophyllum pulgarensense* Elm. 13833  
 I 13833 Philippines (Palawan) 13833
- R** *Calophyllum rotundifolium* Ridley 17450  
 R Malaysia - Peninsular Malaysia

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Guttiferae: *Calophyllum*

- V** *Calophyllum subsessile* King 17450  
**V** Malaysia - Peninsular Malaysia (Perak)
- R** *Calophyllum thwaitesii* Planchon & Triana 8021  
**R** 12838 Sri Lanka (south-west) 8021
- R** *Calophyllum tomentosum* Wight 8021  
**R** 20013 Sri Lanka 8021
- R** *Calophyllum touranense* Gagnepain 6057  
**R** Vietnam 6057
- I** *Calophyllum vergens* P. Stevens 20013  
**I** 20013 Sri Lanka (south-west) 20013
- R** *Clusia alainii* Borh. 5607  
**R** 19105 Cuba (Guantanamo) 5607
- R** *Clusia clusioides* (Griseb.) D'Arcy 20883  
**I** 20883 Puerto Rico 20883
- E** *Clusia croatii* D'Arcy 20883, 10747  
**I** 20883 Panama 20883
- R** *Clusia cuneata* Benth. 8679  
**R** 8679 French Guiana 8679  
**R** 8679 Guyana 8679
- E** *Clusia cupulata* (Maguire) Maguire 20883, 9006  
**I** 20883 Panama 20883
- V** *Clusia dukei* Maguire 20883, 9006  
**I** 20883 Panama 20883
- V** *Clusia havetioides* var. *havetioides* (Griseb.)  
 Planchon & Triana 20883  
**V** 20883 Jamaica 20883
- E** *Clusia havetioides* var. *pauciflora*  
 Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- R** *Clusia havetioides* var. *stenocarpa* (Urban)  
 Proctor 20883  
**R** 20883 Jamaica 20883
- R** *Clusia jenmani* Engl. 8679  
**R** Guyana 8679
- E** *Clusia longipetiolata* Schery 20883, 9006  
**I** 20883 Panama 20883
- V** *Clusia moensis* Borh. & Muniz 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Clusia osseocarpa* Maguire 20883, 9006  
**I** 20883 Panama 20883
- E** *Clusia plukenetii* Urban 5710  
**E** 19001 Barbados (Turners Hall Wd, Bathsteba) 5710  
**Ex/E** 19001 Martinique (Mont. Pelee; Carbet; Alma) 5710  
**E** 19001 St Lucia (Demery, Lesser Piton) 5710
- R** *Clusia portlandiana* Howard & Proctor 20883, 13336  
**R** 13336 Jamaica 20883
- R** *Clusia robusta* Eyma 8679  
**R** 8679 Suriname 8679
- R** *Clusia tabulamontana* Maguire 8679  
**R** 8679 Guyana 8679  
**R** 8679 Suriname 8679
- V** *Garcinia adinantha* A.C. Smith & S. Darwin 19630  
**V** 19630 Fiji (Viti Levu, Vanua Levu) 19630
- V** *Garcinia bifasciculata* N. Robson 19527  
**V** 20885 Tanzania (Morogoro District) 19527
- R** *Garcinia brassii* C.White 20681  
**R** 20681 Australia - Queensland 20681
- I** *Garcinia cadelliana* King 7771  
**I** 14782 India - Andaman Is. 7771
- I** *Garcinia calycina* Kurz 7771  
**I** India - Nicobar Is. 7771
- V** *Garcinia clarensis* Borh. 5607  
**V** 19105 Cuba (Matanzas; Villa Clara) 5607
- V** *Garcinia decussata* Adams 20883  
**V** 20883 Jamaica 20883
- R** *Garcinia gibbsiae* S.Moore 20681  
**R** 20681 Australia - Queensland 20681
- R** *Garcinia hermonii* Kosterm. 8021  
**R** 12838 Sri Lanka 8021
- I** *Garcinia imberti* Bourd.  
**I** India - Kerala
- I** *Garcinia indica* Choisy  
**I** India - Karnataka  
**I** India - Kerala (Wynaad)
- I** *Garcinia kingii* Pierre ex Vesque 7771  
**I** 14782 India - Andaman Is. 7771
- V** *Garcinia linnii* C.E.Chang 20854  
**V** 20854 Taiwan 20854
- R** *Garcinia mestonii* Bailey 20681  
**R** 20681 Australia - Queensland 20681
- I** *Garcinia opaca* King 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Perak, Selangor/Wilayah Persekutuan, Johor, Kelantan, Terengganu) 19209
- R** *Garcinia poilanei* Gagnepain 6057  
**R** Vietnam 6057
- V** *Garcinia quaesita* Pierre 8021  
**V** 12838 Sri Lanka 8021
- I** *Garcinia rubro-echinata* Kosterm.  
**I** India - Kerala  
**I** India - Tamil Nadu
- I** *Garcinia semsei* B. Verdcourt 10260  
**I** 5926 Tanzania (Nguru & Uluguru Mts.) 20921
- I** *Garcinia sulphurea* Elm. 13833  
**I** 13833 Philippines (Busuanga) 13833
- I** *Garcinia talbotii* Raiz. ex Santapau  
**I** India - Karnataka  
**I** India - Tamil Nadu
- I** *Garcinia terpnophylla* (Thwaites) Thwaites var. *acuminata* Thwaites 16162  
**I** 16162 Sri Lanka 16162
- E** *Garcinia terpnophylla* (Thwaites) Thwaites var. *terpnophylla* 8021  
**E** 12838 Sri Lanka (Kanneliya FoR) 8021
- I** *Garcinia zeylanica* Roxb. 8021  
**I** Sri Lanka (Godakanda, Hiniduma) 8021
- E** *Hypericum aciferum* (Greuter) N.Robson 8000, 20171  
**E** 20730 Greece - Crete (south-west) 8000
- V** *Hypericum adpressum* Raf. ex W. Bart. 20850  
**Ex/E** 20850 U.S. - Connecticut 20850  
**V** 20850 U.S. - Delaware 20850  
**V** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Illinois 20850  
**E** 20850 U.S. - Indiana 20850  
**Ex/E** 20850 U.S. - Kentucky 20850  
**I** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - Maryland 20850  
**V** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - Mississippi 20850  
**I** 20850 U.S. - Missouri 20850  
**I** 20850 U.S. - New Hampshire 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Guttiferae: *Hypericum*

- V 20850 U.S. - New Jersey 20850  
 E 20850 U.S. - New York 20850  
 Ex/E 20850 U.S. - North Carolina 20850  
 Ex 20850 U.S. - Pennsylvania 20850  
 V 20850 U.S. - Rhode Is. 20850  
 E 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Vermont 20850  
 Ex/E 20850 U.S. - Virginia 20850  
 I 20850 U.S. - West Virginia 20850
- R *Hypericum amblycalyx* Coustur. & Gand. 20171  
 R 20730 Greece - Crete 20730
- R *Hypericum andjerinum* Font Quer & Pau  
 R Morocco
- E *Hypericum aphyllum* Lundell 9004  
 E 11981 Belize 9004
- R *Hypericum athoum* Boiss. & Orph. 19174, 20171  
 R 19174 Greece 19174
- I *Hypericum atropanatum* Rzazade 5942  
 I 5942 Armenia 5942
- R *Hypericum aviculariifolium* Jaub. & Spach ssp.  
*byzantinum* (Azn.) Robson 12840, 20171  
 R 12840 Turkey 12840
- R *Hypericum aviculariifolium* Jaub. & Spach ssp.  
*byzantium* (Azn.) Robson 12840  
 R 12840 Turkey 12840
- R *Hypericum aviculariifolium* Jaub. & Spach ssp.  
*uniflorum* (Boiss. & Heldr.) Robson 12840  
 R 12840 Turkey 12840
- R *Hypericum balfourii* N. Robson 15534  
 R 15534 Yemen - Socotra 15534
- R *Hypericum capitatum* Choisy var.  
*capitatum* 12840  
 R 12840 Turkey 12840
- R *Hypericum chapmanii* P. Adams 20850  
 I 20850 U.S. - Florida 20850
- R *Hypericum crenulatum* Boiss. 12840  
 R 12840 Turkey 12840
- V *Hypericum cumulicola* (Small) P. Adams 20850, 17890  
 V 20850 U.S. - Florida (Polk & Highlands Counties)  
 20850
- R *Hypericum delphicum* Boiss. & Heldr. 20171  
 R 19174 Greece 19174
- V *Hypericum edisonianum* (Small) P. Adams &  
 Robson 20850  
 V 20850 U.S. - Florida 20850
- V *Hypericum exile* P. Adams 20850  
 I 20850 U.S. - Florida 20850
- R *Hypericum fissurale* Woron 12840  
 R 12840 Turkey 12840
- R *Hypericum formosanum* Maxim. 20511  
 R 20511 Taiwan 20511
- I *Hypericum formosissimum* Takht. 5942  
 I 5942 Armenia 5942
- R *Hypericum fragile* Heldr. & Sart. ex Boiss. 20171  
 R Greece
- R *Hypericum glandulosum* Aiton  
 R Portugal - Madeira  
 R Spain - Canary Is.
- R *Hypericum graveolens* Buckl. 20850  
 V 20850 U.S. - North Carolina 20850
- R 20850 U.S. - Tennessee 20850
- R *Hypericum haplophyloides* Halácsy & Bald. 20178,  
 20171  
 R 20178 Albania 20178
- R *Hypericum hircinum* L. ssp. *cambessedesii* (Mares &  
 Vignieux) Sauvage 10270  
 R Spain - Balearic Is.
- R *Hypericum huber-morathii* Robson 12840  
 R 12840 Turkey 12840
- V *Hypericum imbricatum* Poulter 12840  
 V 12840 Turkey 12840
- I *Hypericum japonicum* Thunb. var. *major*  
 Fyson  
 I India - Tamil Nadu
- V *Hypericum jovis* Greuter  
 V 20730 Greece - Crete 20730
- V *Hypericum kelleri* Bald. 20171  
 V 20730 Greece - Crete 20730
- R *Hypericum kotschyanum* Boiss. 12840  
 R 12840 Turkey 12840
- V *Hypericum lanuginosum* Lam. var. *pestalozzae*  
 (Boiss.) Robson 12840  
 V 12840 Turkey 12840
- V *Hypericum lissophloeus* P. Adams 20850  
 V 20850 U.S. - Florida 20850
- R *Hypericum malatyanum* Pesmen 12840  
 R 12840 Turkey 12840
- R *Hypericum marginatum* Woron 12840  
 R 12840 Turkey 12840
- R *Hypericum metroi* Maire & Sauvage  
 R Morocco
- I *Hypericum millefolium* 15229  
 I 15229 Haiti (La Visite & Macaya National Parks)  
 15229
- R *Hypericum minutum* Davis & Poulter 12840  
 R 12840 Turkey 12840
- R *Hypericum mitchellianum* Rydb. 20850  
 V 20850 U.S. - North Carolina 20850  
 R 20850 U.S. - Tennessee 20850  
 V 20850 U.S. - Virginia 20850  
 Ex 20850 U.S. - West Virginia 20850
- R *Hypericum monodenum* Robson apud Poulter 12840  
 R 12840 Turkey 12840
- R *Hypericum nakamurai* (Masamune) Robson 20511  
 R 20511 Taiwan 20511
- R *Hypericum neurocalycinum* Boiss. & Heldr. 12840  
 R 12840 Turkey 12840
- R *Hypericum nokoense* Ohwi 20511  
 R 20511 Taiwan 20511
- R *Hypericum oliganthum* Franchet & Sav. 10572  
 R 10572 Japan 10572
- R *Hypericum olympicum* L. ssp. *auriculatum* Robson &  
 Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Hypericum pamphylicum* Robson & Davis 12840  
 R 12840 Turkey 12840
- V *Hypericum polyphyllum* Boiss. & Bal. ssp. *lycium*  
 Robson & Hub.-Mor. 12840  
 V 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Guttiferae: *Hypericum*

- R** *Hypericum polyphyllum* Boiss. & Bal. ssp. *polyphyllum* 12840  
R 12840 Turkey 12840
- R** *Hypericum pumilio* Bornm. 12840  
R 12840 Turkey 12840
- E** *Hypericum reflexum* L.f. 20750  
E 20750 Spain - Canary Is. 20750
- R** *Hypericum salsolifolium* Hand.-Mazz. 12840  
R 12840 Turkey 12840
- V** *Hypericum salsugineum* Robson & Hub.-Mor 12840  
V 14197 Turkey 12840
- R** *Hypericum saxifragum* Robson & Hub.-Mor 12840  
R 12840 Turkey 12840
- R** *Hypericum scabroides* Robson & Poulter 12840  
R 12840 Turkey 12840
- R** *Hypericum sinaicum* Hochst. 10269  
R Egypt (Sinai) 10269
- R** *Hypericum socotranum* Good 15534  
R 15534 Yemen - Socotra 15534
- R** *Hypericum socotranum* Good ssp. *smithii* N. Robson 15534  
R 15534 Yemen - Socotra 15534
- R** *Hypericum sorgerae* Robson 12840  
R 12840 Turkey 12840
- R** *Hypericum strictum* Maleev  
R former European USSR (Caucasus) 6930
- R** *Hypericum subalatum* Hayata 20511  
R 20511 Taiwan 20511
- R** *Hypericum taygeteum* Quézel & Contandr. 20171  
R Greece
- R** *Hypericum ternatum* Poulter 12840  
R 20618 Turkey 20618
- R** *Hypericum thymbrifolium* Boiss. & Noe 12840  
R 12840 Turkey 12840
- R** *Hypericum thymopsis* Boiss. 12840  
R 12840 Turkey 12840
- V** *Hypericum tortuosum* Balf. f. 15534  
V 15534 Yemen - Socotra 15534
- R** *Hypericum tosaensis* Makino 10572  
R 10572 Japan 10572
- R** *Hypericum uniglandulosum* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840
- R** *Hypericum vacciniifolium* Hayek & Siehe 12840  
R 20618 Turkey 20618
- R** *Hypericum yojiroanum* Tawet. & Kudo 10572  
R 10572 Japan 10572
- E** *Mammea immansueta* D'Arcy 20883, 10747  
I 20883 Panama 20883
- R** *Mammea malayana* Kosterm.  
R Malaysia - Peninsular Malaysia
- R** *Mammea praetermissa* P.F. Stevens  
R Malaysia - Peninsular Malaysia
- R** *Mammea shahii* P.F. Stevens  
R Malaysia - Peninsular Malaysia
- R** *Mammea touriga* (C.White & Francis) L.S.Smith 20681  
R 20681 Australia - Queensland 20681
- I** *Mammea usambarensis* Verdc. 20556, 19527  
I 5926 Tanzania (West Usambara Mts.) 20921

- R** *Mesua daphnifolia* (Ridley) Kosterm. 17450  
R Malaysia - Peninsular Malaysia
- R** *Mesua larnachiana* (F.Muell.) Kosterm. 20681  
R 20681 Australia - Queensland 20681
- I** *Mesua manii* (King) Kosterm. 7771  
I 14782 India - Andaman Is. (South) 7771
- R** *Mesua nivenii* Whitm. 17450  
R Malaysia - Peninsular Malaysia
- R** *Mesua purseglovei* Whitm. 17450  
R Malaysia - Peninsular Malaysia
- V** *Montrouziera cauliflora* Planchon & Triana 20893  
V 20893 New Caledonia 20893
- I** *Poeciloneuron pauciflorum* Beddome 14782  
I 14782 India - Kerala 14782  
I 14782 India - Tamil Nadu 14782
- R** *Rhedia aristata* Griseb. 11840  
R 19105 Cuba 11840
- V** *Symphonia globulifera* L.f. var. *angustifolia* Maguire 10351  
V 11981 Panama 10351
- E** *Thornea matudae* (Lundell) Breedlove & Clintock 9732  
E 11981 Mexico - Chiapas 9732
- E** *Tovomita morii* Maguire 20883, 9006  
I 20883 Panama 20883
- V** *Tovomitopsis angustifolia* Maguire 20883, 9006  
I 20883 Panama 20883
- E** *Tovomitopsis faucis* D'Arcy 20883, 10747  
I 20883 Panama 20883
- V** *Vismia jefensis* N. Robson 20883, 9006  
R 11981 Panama 20883
- V** *Vismia pauciflora* Milne-Redh. 19527  
V 20883 Tanzania (Lindi) 19527
- R** *Vismia torrei* Mendes 7902  
R Mozambique 7902

**Gyrostemonaceae**

Number of genera: 5  
Number of species: 17  
Recorded threatened species: 1 (5%)

Australia.

- V** *Codonocarpus pyramidalis* (F.Muell.) Benth. 20681  
Ex/E 20681 Australia - New South Wales 20681  
V 20681 Australia - South Australia 20681
- Ex** *Gyrostemon reticulatus* A.S.George 20681  
Ex 20681 Australia - Western Australia 20681

**Halophytaceae**

Number of genera: 1  
Number of species: 1  
Recorded threatened species: 1 (100%)

Argentina.

- I** *Halophytum ameghinii* (Speg.) Speg. 16336  
I 16336 Argentina 16336  
I 20176 Argentina - Santa Cruz 20176  
I 20176 Argentina - La Rioja 20176

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Haloragaceae: *Gonocarpus*

**Haloragaceae**

Number of genera: 8  
 Number of species: 100  
 Recorded threatened species: 26 (26%)

Cosmopolitan, especially Southern Hemisphere.

- R** *Gonocarpus effusus* Orch. 20681  
**R** 20681 Australia - Queensland 20681
- E** *Gonocarpus intricatus* (Benth.) Orch. 20681, 14223  
**E** 20681 Australia - Western Australia 20681
- R** *Gonocarpus longifolius* (Schindler) Orch. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Gonocarpus salsoloides* Reichb. ex Sprengel 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Haloragis eichleri* Orch. 20681  
**R** 20681 Australia - South Australia 20681
- V** *Haloragis exalata* (F.Muell.) Orch. ssp. *exalata* 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Haloragis exalata* (F.Muell.) Orch. ssp. *velutina* Orch. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** *Haloragis eyreana* Orch. 20681  
**E** 20681 Australia - South Australia 20681
- Ex** *Haloragis platycarpa* Benth. 20681  
**Ex** 20681 Australia - Western Australia 20681
- I** *Haloragis stokesii* F.Brown 20845  
**I** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- V** *Haloragis walkeri* Ohwi 10572  
**V** 10572 Japan 10572
- R** *Haloragodendron baeuerlenii* (F.Muell.) Orch. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Haloragodendron glandulosum* Orch. 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Haloragodendron lucasii* (Maiden & Betche) Orch. ssp. *lucasii* 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Haloragodendron monospermum* (F.Muell.) Orch. 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Laurembergia indica* (Thwaites) Schindler 10252  
**I** 16162 Sri Lanka 10252
- I** *Laurembergia zeylanica* (Arn. ex C.B. Clarke) Schindler 10252  
**I** 16162 Sri Lanka 10252
- E** *Meziella trifida* (Nees) Schindler 20681, 14223  
**E** 20681 Australia - Western Australia 20681
- R** *Myriophyllum austropygmaeum* Orch. 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Myriophyllum balladoniense* Orch. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Myriophyllum implicatum* Orch. 20681  
**Ex/E** 20681 Australia - New South Wales 20681  
**V** 20681 Australia - Queensland 20681
- E** *Myriophyllum lapidicola* Orch. 20681  
**E** 20681 Australia - Western Australia 20681

- R** *Myriophyllum laxum* Shuttlw. ex Chapman 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Mississippi 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - South Carolina 20850
- V** *Myriophyllum petraeum* Orch. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Myriophyllum porcatum* Orch. 20681  
**V** 20681 Australia - Victoria 20681
- R** *Myriophyllum robustum* Hook.f. 86  
**R** 19305 New Zealand - North Is. 19305  
**R** 19305 New Zealand - South Is. 19305
- E** *Myriophyllum sparsiflorum* C. Wright  
**E** 19105 Cuba (Pinar del Rio) 19105
- R** *Myriophyllum ussuriense* (Regel) Maxim. 20850, 14397  
**V** 20850 Canada - British Columbia 20850

**Hamamelidaceae**

Number of genera: 26  
 Number of species: 100  
 Recorded threatened species: 22 (22%)

Widespread, especially eastern Asia.

- R** *Altingia poilanei* Tard. 6057  
**R** Vietnam 6057
- R** *Chunia bucklandioides* H.T. Chang 17617  
**R** 17617 China - Hainan Is. 11139
- R** *Corylopsis coreana* Uyeki 15957  
**R** Korea, South (Mt Chiri, Mt Paekwoon, Mt Chogyae) 15957
- R** *Corylopsis glabrescens* Franchet & Sav. 10572  
**R** 10572 Japan 10572
- R** *Corylopsis gotoana* Makino 10572  
**R** 10572 Japan 10572
- R** *Corylopsis stenopetala* Hayata 20511  
**R** 20511 Taiwan 20511
- E** *Disanthus cercidifolius* Maxim. var. *longipes* H.T. Chang 17617  
**E** 17617 China - Hunan 11139  
**E** 17617 China - Jiangxi (Nanfeng) 11139  
**E** 17617 China - Zhejiang (Longquan) 11139
- R** *Distylium gracile* Nakai 20854  
**R** 20854 Taiwan 20854
- R** *Embolanthera glabrescens* Merr. 6057  
**R** Vietnam 6057
- I** *Embolanthera spicata* Merr. 13833  
**I** 13833 Philippines (Mt. Victoria) 13833
- R** *Fothergilla major* (Sims) Lodd. 20850  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Arkansas 20850  
**E** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**V** 20850 U.S. - Tennessee 20850
- R** *Hamamelis japonica* Sieber & Zucc. var. *bitchuensis* Ohwi 10572  
**R** 10572 Japan 10572
- E** *Liquidambar orientalis* Miller var. *integriloba* Fiori 12840  
**E** 20618 Turkey 20618

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Hamamelidaceae: *Liquidambar*

- R** *Liquidambar orientalis* Miller var. *orientalis* 20618  
**R** 20731 Greece - East Aegean Is (Rhodes) 20731  
**E** 20618 Turkey 20618
- E** *Maingaya malayana* Oliver 10260  
**E** Malaysia - Peninsular Malaysia (Penang, Perak)
- R** *Matudaea hirsuta* Lundell 10310  
**R** 19755 Mexico - Mexico State 10310
- R** *Neostrearia fleckeri* L.S.Smith 20681  
**R** 20681 Australia - Queensland 20681
- R** *Noahdendron nicholasii* Endress, B.Hyland & Tracey 20681  
**R** 20681 Australia - Queensland 20681
- R** *Ostreaia australiana* Baillon 20681  
**R** 20681 Australia - Queensland 20681
- R** *Semiliquidambar cathayensis* H.T. Chang 17617  
**R** 17617 China - Fujian 11139  
**R** 17617 China - Guangdong 11139  
**R** 17617 China - Guangxi 11139  
**R** 17617 China - Guizhou 11139  
**R** 17617 China - Hunan (Yizhang) 11139  
**R** 17617 China - Jiangxi 11139  
**R** 17617 China - Zhejiang (Qingyun) 11139
- R** *Sinowilsonia henryi* Hemsley 17617  
**R** 17617 China - Gansu 11139  
**R** 17617 China - Henan 11139  
**R** 17617 China - Hubei 11139  
**R** 17617 China - Shaanxi 11139  
**R** 17617 China - Sichuan 11139
- R** *Tetrathyrum subcordatum* Benth. 17617  
**R** 17617 China - Guangxi (Longzhou) 11139  
**R** Hong Kong 11139
- I** *Trichocladus dentatus* Hutch. 19528  
**I** 5926 Tanzania (Rungwe) 19528

## Hernandiaceae

Number of genera: 4  
 Number of species: 60  
 Recorded threatened species: 11 (18%)

Tropical.

- R** *Hernandia albiflora* (C.T.White) Kubizki 20681  
**R** 20681 Australia - Queensland 20681
- R** *Hernandia bivalvis* Benth. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Hernandia catalpifolia* Britton & Harris 20883  
**R** 20883 Jamaica 20883
- E** *Hernandia cubensis* Griseb. 5607  
**E** 19105 Cuba (Guantanamo) 5607
- Ex** *Hernandia drakeana* Nadeaud 20845  
**Ex** 20845 French Polynesia - Society Is. (Moorea) 20845
- E** *Hernandia hammelii* D'Arcy 20883, 10747  
**I** 20883 Panama 20883
- R** *Hernandia jamaicensis* Britton & Harris 20883  
**R** 20883 Jamaica 20883
- E** *Hernandia mascarenensis* (Meisn.) Kubitzki 10082  
**E** 14234 Réunion 14234  
**Ex** 20771 Mauritius 10082
- I** *Hernandia moerenhoutiana* Guillemain ssp. *elliptica*  
**H. Saint John** 20845  
**I** 20845 French Polynesia - Tubuai Is. 20845

- I** *Hernandia tahitensis* J.Moore 20845  
**I** 20845 French Polynesia - Society Is. (Raiaatea, Tahiti) 20845  
**I** 20845 French Polynesia - Tubuai Is. 20845
- E** *Hernandia temarii* Nadeaud 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti) 20845
- R** *Sparattanthelium tarapotanum* Meisn. 18200  
**R** 12468 Peru 18200

## Hippocastanaceae

Number of genera: 2  
 Number of species: 16  
 Recorded threatened species: 1 (6%)

North America to northern South America; Europe; Southeast Asia.

- V** *Aesculus wangii* Hu ex Fang 17617  
**V** 17617 China - Yunnan (Wuenshanzhou; Jingping) 11139  
**V** 21312 Vietnam 21312

## Hoplostigmataceae

Number of genera: 1  
 Number of species: 2  
 Recorded threatened species: 1 (50%)

Western tropical Africa.

- I** *Hoplostigma pierreanum* Gilg  
**I** Cameroon (Cameroon mt)

## Humiriaceae

Number of genera: 8  
 Number of species: 50  
 Recorded threatened species: 4 (8%)

Mainly tropical South America, with one species in Africa.

- R** *Humiriastrum diguense* (Cuatr.) Cuatr. 20883, 9417  
**V** 20883 Costa Rica 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- R** *Vantanea barbourii* Standl. 20883, 9006  
**V** 20883 Costa Rica 20883  
**I** 20883 Nicaragua 20883  
**I** 20883 Panama 20883
- V** *Vantanea depleta* McPherson 20883, 12476  
**I** 20883 Panama 20883
- R** *Vantanea guianensis* Aublet 8679  
**R** 8679 French Guiana 8679  
**R** 8679 Guyana 8679  
**R** 8679 Suriname 8679

## Hydnoraceae

Number of genera: 2  
 Number of species: 10  
 Recorded threatened species: 1 (10%)

Drier parts of Africa, Madagascar.

- E** *Prosopanche costaricensis* Gómez & Gómez-Laurito 9037  
**E** 9593 Costa Rica 9037

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Hydrangeaceae: *Carpenteria*

**Hydrangeaceae**

Number of genera: 17  
 Number of species: 170  
 Recorded threatened species: 18 (10%)

Temperate and subtropical Northern Hemisphere; southeastern Asia and Malesia.

- V *Carpenteria californica* Torr. 20850  
 V 20850 U.S. - California 20850
- I *Deutzia amurensis* Airy Shaw  
 I India (NW Himalaya)
- R *Deutzia cordatula* Li 20854  
 R 20854 Taiwan 20854
- R *Deutzia coreana* Lev. var. *tozawae* (Nakai)  
 Hatus. 15957  
 R 15923 Korea, South (Koesan, Haenam) 15957
- R *Deutzia coreana* Lev. var. *triradiata* (Nakai)  
 Hatus. 15957  
 R 15923 Korea, South (Kyongsang-do, Mt Sorak) 15957
- R *Deutzia uniflora* Shirai 10572  
 R 10572 Japan 10572
- R *Fendlera rigida* I.M. Johnston 20850  
 E 20850 U.S. - Texas 20850
- I *Hydrangea nebulicola* Nevling & Gómez-Pompa 19850  
 I 19850 Mexico - Veracruz 9114
- V *Jamesia americana* Torr. & Gray var. *macrocalyx*  
 (Small) Engl. 20850  
 V 20850 U.S. - Utah 20850
- V *Jamesia americana* Torr. & Gray var. *zionis* N. & P.  
 Holmgren 20850  
 V 20850 U.S. - Utah 20850
- V *Jamesia tetrapetala* N. & P. Holmgren 20850  
 V 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850
- R *Kirengeshoma palmata* Yatabe 17617  
 R 17617 China - Anhui (Huanshan, Qinliangfeng) 11139  
 R 17617 China - Zhejiang (Tianmushan; Longtangshan) 11139  
 R Japan (Shikoku) 8751
- R *Philadelphus cordifolius* Lange 20850  
 I 20850 U.S. - California 20850
- V *Philadelphus crinitus* (C.L. Hitchc.) Hu 20850  
 I 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Texas 20850
- V *Philadelphus ernestii* Hu 20850  
 V 20850 U.S. - Texas 20850
- V *Philadelphus floridus* Beadle 20850  
 I 20850 U.S. - Georgia 20850
- V *Philadelphus maculatus* (C.L. Hitchc.) Hu 20850  
 I 20850 U.S. - Arizona 20850
- V *Philadelphus pumilus* Rydb. 20850  
 I 20850 U.S. - California 20850
- V *Philadelphus texensis* Hu 20850  
 V 20850 U.S. - Texas 20850
- E *Philadelphus texensis* Hu var. *coryanus*  
 Hu 20850  
 E 20850 U.S. - Texas 20850
- V *Philadelphus texensis* S.Y. Hu var.

*texensis* 20850

V 20850 U.S. - Texas 20850

V *Philadelphus wootonii* Hu 20850

V 20850 U.S. - New Mexico 20850

**Hydrophyllaceae**

Number of genera: 20  
 Number of species: 250  
 Recorded threatened species: 82 (32%)

Wide-ranging, especially dry western United States.

- R *Draperia systyla* (Gray) Torr. ex Gray 20850  
 I 20850 U.S. - California 20850
- R *Emmenanthe rosea* (Brand) Constance 20850  
 I 20850 U.S. - California 20850
- V *Eriodictyon altissimum* P.V. Wells 20850  
 V 20850 U.S. - California 20850
- V *Eriodictyon capitatum* Eastw. 20850  
 V 20850 U.S. - California 20850
- R *Eriodictyon crassifolium* Benth. 20850  
 I 20850 U.S. - California 20850
- R *Eriodictyon lanatum* (Brand) Abrams 20850  
 I 20850 U.S. - California 20850
- R *Eriodictyon tomentosum* Benth. 20850  
 I 20850 U.S. - California 20850
- R *Eriodictyon trichocalyx* Heller 20850  
 I 20850 U.S. - California 20850
- E *Hydrolea cubana* (P. Wilson) Alain 5607  
 E 19105 Cuba (Camaguey) 5607
- E *Hydrophyllum brownei* Kral & Bates 20850  
 E 20850 U.S. - Arkansas 20850
- R *Nama retrorsum* J.T. Howell 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - New Mexico 20850  
 V 20850 U.S. - Utah 20850
- R *Nama sandwicense* Gray 20850  
 I 20850 U.S. - Hawaii 20850
- V *Nama sandwicensis* A.Gray var. *sandwicensis* 14209  
 V 14209 U.S. - Hawaii 14209
- R *Phacelia adenophora* J.T. Howell 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Oregon 20850
- Ex *Phacelia amabilis* Constance 20850, 14662  
 Ex 20850 U.S. - California 20850  
 I 20850 U.S. - Colorado 20850
- V *Phacelia anelsonii* J.F. Macbr. 20850  
 I 20850 U.S. - California 20850  
 E 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850
- V *Phacelia argentea* A. Nels. & J.F. Macbr. 20850  
 E 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- E *Phacelia argillacea* Atwood 20850  
 E 20850 U.S. - Utah 20850
- R *Phacelia barnebyana* J.T. Howell 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- V *Phacelia beatleyae* Reveal & Constance 20850  
 V 20850 U.S. - Nevada 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Hydrophyllaceae: *Phacelia*

- R** *Phacelia breweri* Gray 20850  
I 20850 U.S. - California 20850
- R** *Phacelia calthifolia* Brand 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Phacelia ciliata* Benth. var. *opaca* J.T. Howell 20850  
E 20850 U.S. - California 20850
- Ex** *Phacelia cinerea* Eastw. ex J.F. Macbr. 20850, 14662  
Ex 20850 U.S. - California 20850
- R** *Phacelia congdonii* Greene 20850  
I 20850 U.S. - California 20850
- E** *Phacelia cookei* Constance & Heckard 20850  
E 20850 U.S. - California 20850
- E** *Phacelia cronquistiana* Welsh 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- R** *Phacelia dalesiana* J.T. Howell 20850  
R 20850 U.S. - California 20850
- R** *Phacelia demissa* Gray var. *demissa* 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850  
I 20850 U.S. - Wyoming 20850
- R** *Phacelia denticulata* Osterhout 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Wyoming 20850
- R** *Phacelia dubia* McVaugh var. *georgiana* McVaugh 20850  
V 20850 U.S. - Alabama 20850  
R 20850 U.S. - Georgia 20850
- V** *Phacelia exilis* (Gray) G.L. Lee 20850  
V 20850 U.S. - California 20850
- V** *Phacelia floribunda* Greene 20850  
E 20850 U.S. - California 20850
- E** *Phacelia formosula* Osterhout 20850  
E 20850 U.S. - Colorado 20850
- R** *Phacelia geraniifolia* Brand 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Phacelia glaberrima* (Torr. ex S.Watson) J.T. Howell 20850  
V 20850 U.S. - Nevada 20850
- V** *Phacelia glechomifolia* Gray 20850  
I 20850 U.S. - Arizona 20850
- R** *Phacelia grandiflora* (Benth.) Gray 20850  
I 20850 U.S. - California 20850
- V** *Phacelia greenei* J.T. Howell 20850  
V 20850 U.S. - California 20850
- R** *Phacelia grisea* Gray 20850  
I 20850 U.S. - California 20850
- V** *Phacelia howelliana* Atwood 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- V** *Phacelia inconspicua* Greene 20850  
V 20850 U.S. - Idaho 20850  
E 20850 U.S. - Nevada 20850
- E** *Phacelia indecora* J.T. Howell 20850  
E 20850 U.S. - Utah 20850
- E** *Phacelia insularis* Munz 20850  
I 20850 U.S. - California 20850
- E** *Phacelia insularis* Munz var. *continentis* J.T. Howell 20850  
E 20850 U.S. - California 20850
- Ex/E** *Phacelia insularis* Munz var. *insularis* 20850  
Ex/E 20850 U.S. - California 20850
- R** *Phacelia inyoensis* (J.F. Macbr.) J.T. Howell 20850  
I 20850 U.S. - California 20850
- V** *Phacelia laxiflora* J.T. Howell 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V** *Phacelia lenta* Piper 20850, 11630  
V 20850 U.S. - Washington 20850
- R** *Phacelia longipes* Torr. ex Gray 20850  
I 20850 U.S. - California 20850
- V** *Phacelia lutea* (Hook. & Arn.) J. T. Howell var. *calva* Cronq. 20850  
V 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R** *Phacelia lutea* (Hook. & Arn.) J. T. Howell var. *mackenzieorum* J. Grimes & Packard 20850  
R 20850 U.S. - Oregon 20850
- R** *Phacelia lyallii* (Gray) Rydb. 20850, 13153  
E 20850 Canada - Alberta 20850  
E 20850 Canada - British Columbia 20850  
V 20850 U.S. - Idaho 20850  
R 20850 U.S. - Montana 20850
- E** *Phacelia lyonii* (Gray) Rydb. 20850  
I 20850 U.S. - California 20850
- R** *Phacelia mammillarensis* Atwood 20850  
R 20850 U.S. - Utah 20850
- R** *Phacelia marcescens* Eastw. ex J.F. Macbr. 20850  
I 20850 U.S. - California 20850
- E** *Phacelia minutissima* Henderson 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Nevada 20850  
Ex/E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- R** *Phacelia mohavensis* Gray 20850  
R 20850 U.S. - California 20850
- V** *Phacelia mollis* J.F. Macbr. 20850, 1034  
E 20850 Canada - British Columbia 20850  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- V** *Phacelia monoensis* Halse 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V** *Phacelia mustelina* Coville 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R** *Phacelia nashiana* Jepson 20850  
R 20850 U.S. - California 20850
- V** *Phacelia novemmillensis* Munz 20850  
V 20850 U.S. - California 20850
- E** *Phacelia oreopola* Heckard 20850  
I 20850 U.S. - California 20850
- V** *Phacelia pallida* I.M. Johnston 20883, 20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Hydrophyllaceae: *Phacelia*

- V** *Phacelia palmeri* Torr. ex S.Watson 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Utah 20850
- V** *Phacelia parishii* Gray 20850  
**E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Phacelia peirsoniana* J.T. Howell 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850
- V** *Phacelia perityloides* Coville 20850  
**I** 20850 U.S. - California 20850
- V** *Phacelia phacelioides* (Benth.) Brand 20850  
**I** 20850 U.S. - California 20850
- R** *Phacelia platyloba* Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Phacelia pringlei* Gray 20850  
**I** 20850 U.S. - California 20850
- V** *Phacelia pulchella* Gray var. *gooddingii* (Brand) J.T. Howell 20850  
**I** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Phacelia rafaelsensis* Atwood 20850  
**V** 20850 U.S. - Arizona 20850  
**R** 20850 U.S. - Utah 20850
- R** *Phacelia salina* (A. Nels.) J.T. Howell 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Phacelia saxicola* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Phacelia scopulina* (A. Nels.) J. T. Howell var. *submutica* (J.T. Howell) Halse 20850  
**I** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Phacelia serrata* J. Voss 20850  
**V** 20850 U.S. - Arizona 20850
- R** *Phacelia stebbinsii* Constance & Heckard 20850  
**R** 20850 U.S. - California 20850
- E** *Phacelia suaveolens* Greene ssp. *keckii* (Munz & Johnston) Thorne 20850  
**E** 20850 U.S. - California 20850
- R** *Phacelia umbrosa* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Phacelia utahensis* J. Voss 20850  
**V** 20850 U.S. - Utah 20850
- R** *Phacelia vallicola* Congd. ex Brand 20850  
**I** 20850 U.S. - California 20850
- R** *Phacelia welschii* Atwood 20850  
**R** 20850 U.S. - Arizona 20850
- E** *Pholistoma auritum* (M.E. Jones) Constance var. *arizonicum* (M.E. Jones) Constance 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Pholistoma racemosum* (Nutt. ex Gray) Constance 20850  
**I** 20850 U.S. - California 20850

- V** *Romanzoffia unalaschensis* Cham. 20850  
**V** 20850 U.S. - Alaska 20850

**Icacinaceae**

Number of genera: 50  
 Number of species: 400  
 Recorded threatened species: 33 (8%)

Pantropical.

- R** *Alsodeiopsis chippii* Hutch. 7926  
**R** Ghana 7926
- I** *Apodytes benthamiana* Wight  
**I** India - Meghalaya (Khasi & Jaintia hills)  
**I** India - Tamil Nadu
- V** *Apodytes geldenhuyssii* A.E.van Wyk & Potgieter 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Calatola columbiana* Sleumer 20883  
**E** 20883 Colombia 20883
- R** *Calatola mollis* Standley 20883  
**R** 20883 Mexico 20883
- R** *Calatola venezuelana* Pittier 20883  
**I** 20883 Colombia 20883  
**I** 20883 Peru 20883  
**I** 20883 Venezuela 20883
- R** *Chlamydocarya anhydathoda* Villiers  
**R** Gabon
- I** *Chlamydocarya soyauxii* Engl.  
**I** Gabon (Libreville & Sibang)
- V** *Citronella apogon* (Griseb.) Howard 20883  
**E** 20883 Argentina 20883  
**E** 20883 Bolivia 20883
- E** *Citronella engleriana* (Loesn.) Howard 20883  
**E** 20883 Brazil 20883
- E** *Citronella ilicifolia* (Sleumer) Howard 20883  
**E** 20883 Peru 20883
- R** *Citronella incarum* (Mach.) Howard 20883  
**R** 20883 Peru 20883
- V** *Citronella megaphylla* (Miers) Howard 20883  
**V** 20883 Brazil 20883
- E** *Citronella melliodora* (Sleumer) Howard 20883  
**E** 20883 Peru 20883
- R** *Citronella mucronata* (Ruiz Lopez & Pavon) D. Don 13875  
**R** 13875 Chile 13875
- R** *Citronella paniculata* (Mart.) Howard 20883  
**E** 20883 Argentina 20883  
**R** 20883 Brazil 20883  
**V** 20883 Paraguay 20883
- V** *Desmostachys vogelii* Stapf 20858  
**V** 20858 Cameroon 7926  
**V** 20858 Ghana 20858  
**V** 20858 Nigeria 7926
- E** *Discophora montana* Howard 20883  
**E** 20883 Colombia 20883
- R** *Gomphandra comosa* King 7771  
**R** 14782 India - Andaman Is. (south) 7771  
**R** 14782 India - Nicobar Is. 14782
- V** *Grisollea thomassetii* Hemsley 14296  
**V** 19182 Seychelles (granitic) 14296
- I** *Iodes hookeriana* Baill.  
**I** Bangladesh

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Icacinaceae: *Iodes*

- I India - Meghalaya
- E** *Oecopetalum greenmanii* Standley & Steyermark 20883  
E 20883 Guatemala 20883
- V** *Oecopetalum guatemalense* Howard 20883  
E 20883 Guatemala 20883  
E 20883 Mexico 20883
- V** *Ottoschulzia cubensis* (Wright) Urban 20883  
V 20883 Cuba 20883
- V** *Ottoschulzia rhodoxylon* (Urban) Urban 20883, 19706  
V 20883 Dominican Republic 20883  
E 20883 Puerto Rico (western) 20883
- E** *Pennantia baylisiana* (W. Oliver) Baylis 86  
E 20625 New Zealand - North Is. (Three King Island) 13378
- R** *Pittosporopsis nervosa* Gagnepain 6057  
R Vietnam 6057
- V** *Pleurisanthes flava* Sandwith 20883  
E 20883 Brazil 20883  
E 20883 Guyana 20883
- E** *Pleurisanthes parviflora* (Ducke) Howard 20883  
E 20883 Brazil 20883
- V** *Pleurisanthes simpliciflora* Sleumer 20883  
V 20883 Brazil 20883
- I** *Pyrenacantha grandifolia* Engl.  
I Cameroon (Nkuambe)
- I** *Stachyanthus cuneatus* Sleumer  
I Cameroon
- R** *Urandra apicalis* Thwaites 12838  
R 12838 Sri Lanka 12838

**Idiospermaceae**

Number of genera: 1  
Number of species: 1  
Recorded threatened species: 1 (100%)

Northern Australia.

- R** *Idiospermum australiense* (Diels) S.T.Blake 20681  
R 20681 Australia - Queensland 20681

**Illecebraceae**

Number of genera: 24  
Number of species: 117  
Recorded threatened species: 49 (41%)

Widespread.

- R** *Dichranthus plocamoides* Webb 17534  
R 15105 Spain - Canary Is. 17534
- V** *Geocarpon minimum* Mackenzie 20850, 19057  
V 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Louisiana (Winn Parish) 20850  
V 20850 U.S. - Missouri 20850
- R** *Gymnocarpus przewalskii* Maxim. 17617  
R 17617 China - Gansu 11139  
R 17617 China - Nei Monggol Zizhiqu 11139  
R 17617 China - Qinghai 11139  
R 17617 China - Xinjiang Uygur Zizhiqu 11139
- V** *Herniaria algarvica* Chaudhri 17891, 20171  
V Portugal 17891
- R** *Herniaria baetica* Boiss. & Reut. 20171  
R Spain
- V** *Herniaria berlingiana* (Chaudhri) Franco 17891  
V 20076 Portugal 17891

- V** *Herniaria canariensis* Chaudhri  
V Spain - Canary Is.
- I** *Herniaria erckertii* Herm. ssp. *pulvinata* Chaudhri 20604  
I 20604 South Africa - Cape Province 20604  
I 20604 South Africa - Transvaal 20604
- E** *Herniaria fontanesii* Gay ssp. *empedocleana* (Lojac.) Brullo 18264  
E 20738 Italy - Sicily (Porto Empedocle) 20738
- V** *Herniaria latifolia* Lapeyr. ssp. *litardierei* Gamisans 15080  
V 15080 France - Corsica 15080  
E 18264 Italy - Sardinia 15080
- V** *Herniaria maritima* Link 8000, 20171  
V 20076 Portugal 8000
- R** *Herniaria olympica* J.Gay 12840, 20171  
R 12840 Turkey 12840
- R** *Herniaria pisidica* Brumm. 12840  
R 12840 Turkey 12840
- R** *Herniaria saxatilis* Brumm. 12840  
R 12840 Turkey 12840
- I** *Lochia bracteata* Balf. f. 15534  
I 15534 Oman (Dhofar) 15534  
I 15534 Yemen - Socotra 15534
- R** *Paronychia adalia* Chaudh. 12840  
R 12840 Turkey 12840
- V** *Paronychia ahartii* Ertter 20850  
E 20850 U.S. - California 20850
- R** *Paronychia americana* (Nutt.) Fenzl ex Walp. 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- R** *Paronychia anatolica* Czezc. 12840  
R 12840 Turkey 12840
- R** *Paronychia angorensis* Chaudh. 12840  
R 12840 Turkey 12840
- R** *Paronychia arabica* (L.) DC. ssp. *euphratica* Choudh. 12840  
R 12840 Turkey 12840
- R** *Paronychia argyroloba* Stapf 12840  
R 12840 Turkey 12840
- R** *Paronychia beauverdii* Czezc. 12840  
R 12840 Turkey 12840
- R** *Paronychia bornmuelleri* Chaudhri 20171  
R Greece
- R** *Paronychia cataonica* Chaudh. 12840  
R 12840 Turkey 12840
- R** *Paronychia chabloziana* Beauverd  
R Tunisia
- R** *Paronychia chartacea* Fern. 20850, 7983  
V 20850 U.S. - Florida (south-central peninsula) 20850
- R** *Paronychia chartacea* Fern. ssp. *chartacea* 20850  
R 20850 U.S. - Florida 20850
- E** *Paronychia chartacea* Fern. ssp. *minima* L.C. Anders. 20850, 17888  
E 20850 U.S. - Florida 20850
- I** *Paronychia chlorolepis* Murb.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Illecebraceae: *Paronychia*

- I Tunisia
- R *Paronychia condensata* Chaudh. 12840  
R 12840 Turkey 12840
- E *Paronychia congesta* Correll 20850  
E 20850 U.S. - Texas 20850
- R *Paronychia davisii* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia dudleyi* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia galatica* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia gomerensis* (Burchard) Svent. & D. Bramwell 15105  
R 15105 Spain - Canary Is. 15105
- R *Paronychia jonesii* M.C. Johnston 20850  
R 20850 U.S. - Texas 20850
- R *Paronychia kayseriana* Chaudh. 12840  
R 12840 Turkey 12840
- V *Paronychia kurdica* Boiss. var. *fragilis* Chaudhri 12840  
V 12840 Turkey 12840
- R *Paronychia kurdica* Boiss. ssp. *haussknechtii* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia kurdica* Boiss. ssp. *montis-munzur* Chaurhri 12840  
R 12840 Turkey 12840
- R *Paronychia lindheimeri* Englem. ex Gray var. *lindheimeri* 20850  
I 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Texas 20850
- E *Paronychia lunelliorum* Turner 20850  
E 20850 U.S. - Texas 20850
- R *Paronychia lycica* Chaudh. 12840  
R 12840 Turkey 12840
- E *Paronychia maccartii* Correll 20850  
E 20850 U.S. - Texas 20850
- R *Paronychia paphlagonica* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia pulvinata* Gray 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- V *Paronychia rugelii* (Chapman) Shuttlw. ex Chapman 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- V *Paronychia rugelii* (Chapman) Shuttlw. ex Chapman var. *interior* (Small) Chaudhri 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850
- E *Paronychia rugelii* (Chapman) Shuttlw. ex Chapman var. *rugelii* 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R *Paronychia saxatilis* Chaudh. 12840  
R 12840 Turkey 12840
- R *Paronychia turcica* Chaudh. 12840  
R 12840 Turkey 12840

- V *Paronychia wilkinsonii* S.Watson 20883, 20850, 8058  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- R *Scopulophila parryi* (Hemsley) I.M. Johnston 9661  
R 19755 Mexico 9661
- R *Scopulophila rixfordii* (Brandeg.) Munz & Johnston 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850

Illiciaceae

Number of genera:	1
Number of species:	40
Recorded threatened species:	3 (7%)

SE Asia, SE US to Hispaniola.

- V *Illicium difengpi* K.I. B. & K.I. M. 17617  
V 17617 China - Guangxi 11139
- E *Illicium parviflorum* Michx. ex Vent. 20850  
I 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
Ex/E 20850 U.S. - Georgia 20850
- R *Illicium parvifolium* Merr. 6057  
R 20985 Vietnam 6057

Ixonanthaceae

Number of genera:	5
Number of species:	30
Recorded threatened species:	1 (3%)

Pantropical.

- V *Ixonanthes khasiana* Hook.f. 11494  
V 11494 India - Assam (Bhutan Hill, Cachar) 11494  
V 11494 India - Meghalaya (Khasi & Jaintia hills) 11494

Juglandaceae

Number of genera:	7-8
Number of species:	60
Recorded threatened species:	12 (20%)

Widespread in Northern Hemisphere and into South America.

- E *Alfaroa guanacastensis* D. Stone 9037  
E 9426 Costa Rica 9037
- E *Alfaroa manningii* Leon 9037  
E 9426 Costa Rica 9037
- R *Alfaroa mexicana* D. Stone 9037  
R 19755 Mexico 9037
- V *Alfaroa williamsii* A. Molina ssp. *tapantiensis* D. Stone 9037  
V 9426 Costa Rica 9037
- V *Alfaroa williamsii* A. Molina ssp. *williamsii* 11967  
V 11967 Nicaragua 11967
- R *Annamocarya sinensis* (Dode) Leroy 17617  
R 17617 China - Guangxi 11139  
R 17617 China - Guizhou (Rongjiang; Snandu) 11139  
R 17617 China - Hunan (Tongdao) 11139  
R 17617 China - Yunnan (Funing; Xichou; Malipe) 11139  
V 20985 Vietnam 6057
- R *Juglans californica* S.Watson 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Juglandaceae: *Juglans*

- I 20850 U.S. - California 20850  
**E** *Juglans hindsii* (Jepson) Jepson ex R.E. Sm. 20850  
 E 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850  
**I** *Juglans insularis* Griseb. 5607  
 I 20990 Cuba 5607  
**R** *Juglans jamaicensis* C. DC. 20883, 17833  
 Ex/E 20883 Jamaica 20883  
 I 20883 Puerto Rico 20883  
**V** *Juglans pyriformis* Liebm. 9738  
 V 19850 Mexico 9738  
**V** *Oreomunnea mexicana* (Standley) LeRoy ssp. *costaricensis* D. Stone 9037  
 V 9426 Costa Rica 9037  
**V** II *Oreomunnea pterocarpa* Oerst. 20883, 9037  
 V 19943 Costa Rica 20883

**Krameriaceae**

Number of genera: 1  
 Number of species: 15  
 Recorded threatened species: 3 (20%)

Argentina and Chile, mainly in dry regions.

- R** *Krameria bahiana* B. B. Simpson 20883  
 R 20883 Brazil 20883  
**V** *Krameria cistoidea* Hook. & Arn. 15088  
 V 13875 Chile 13875  
**R** *Krameria paucifolia* (J. Rose) J. Rose 20883  
 R 20883 Mexico 20883

**Labiatae**

Number of genera: 200  
 Number of species: 3,200  
 Recorded threatened species: 733 (22%)

Cosmopolitan, especially into Mediterranean region and central Asia.

- E** *Acanthomintha duttonii* (Abrams) Jokerst 20850  
 E 20850 U.S. - California 20850  
**E** *Acanthomintha ilicifolia* (Gray) Gray 20883, 20850, 8058  
 E 20850 U.S. - California 20850  
 I 20883 Mexico 20883  
**E** *Achyropermum seychellarum* Baker 14296  
 E 14981 Seychelles (Silhouette) 14296  
**R** *Acinos corsicus* (Pers.) Gettiffe 20171  
 R 15080 France - Corsica 15080  
**R** *Acinos exiguus* (Smith) Meikle 14230  
 R 19164 Cyprus (Troodos) 14230  
**R** *Acinos troodi* (Post) Leblebici 14230  
 R 19164 Cyprus (Troodos) 14230  
**R** *Acinos troodii* (Post) Leblebici ssp. *grandiflora* Hartvig & Strid 12840  
 R 12840 Turkey 12840  
**R** *Acinos troodii* (Post) Leblebici ssp. *vardaranus* E. Leblebici 12840  
 R 12840 Turkey 12840  
**I** *Acrocephalus palmiensis* Mukerjee 14782  
 I 14782 India - Tamil Nadu (Madurai) 14782  
**I** *Acrocephalus sericeus* Benth.  
 I India - Tamil Nadu

- I** *Acrocephalus suffruticosus* Wight  
 I India - Tamil Nadu  
**I** *Acrocephalus wightii* Hook.f.  
 I India - Tamil Nadu  
**E** *Acrymia ajugiflora* Prain 20739  
 E 20739 Malaysia - Peninsular Malaysia 20739  
**E** *Acrymia ajugifolia* Prain 20889  
 E 20889 Malaysia - Peninsular Malaysia (Selangor) 20889  
**E** *Ajuga boninsimae* Maxim. 8037  
 E 19134 Japan - Ogasawara-shoto 8037  
**R** *Ajuga chamaepitys* (L.) Schreber ssp. *euphratica* Davis 12840  
 R 12840 Turkey 12840  
**R** *Ajuga incisa* Maxim. 10573  
 R 10573 Japan 10573  
**R** *Ajuga piskoi* Degen & Bald. 20171  
 R 20178 Albania (Nemerçe) 8000  
**R** *Ajuga postii* Briq. 12840  
 R 12840 Turkey 12840  
**R** *Ajuga spectabilis* Nakai 15957  
 R Korea, South (Mt Baegyang) 15957  
**R** *Ajuga tenorii* C.Presl 20171  
 R Italy  
 R 20738 Italy - Sicily (Nebzodi) 20738  
**R** *Ajuga vestita* Boiss. 12840  
 R 12840 Turkey 12840  
**R** *Ajuga xylorrhiza* Kit Tan 12840  
 R 12840 Turkey 12840  
**R** *Amaracus akhdarensis* (Ietsw. & al) Brullo & Furnari  
 R Libya  
**R** *Amaracus pampaninii* Brullo & Furnari  
 R Libya  
**V** *Anisochilus argenteus* Gamble 14782  
 V 14782 India (south) 14782  
**R** *Anisochilus wightii* Hook.f. 14782  
 R 14782 India - Tamil Nadu 14782  
**I** *Arischrada korolkowii* (Regel & Schmalh.) Pobed. 5942  
 I 5942 Kazakhstan 5942  
**V** *Ballota andreuziana* Pampan.  
 V Libya  
**R** *Ballota cristata* Davis 12840  
 R 12840 Turkey 12840  
**R** *Ballota frutescens* (L.) J.Woods 18264, 20171  
 V 20743 France 8000  
 R 18264 Italy (Liguria) 18264  
**R** *Ballota inaequidens* Hub.-Mor. & Patzak 12840  
 R 12840 Turkey 12840  
**R** *Ballota latibracteolata* Davis & Droszenko 12840  
 R 12840 Turkey 12840  
**R** *Ballota macrodonta* Boiss. & Bal. 12840  
 R 12840 Turkey 12840  
**R** *Ballota pseudodictamnus* (L.) Benth. 12840, 20171  
 R 12840 Turkey 12840  
**R** *Ballota rotundifolia* C. Koch 12840  
 R 12840 Turkey 12840  
**R** *Ballota saxatilis* Sieber ex J. & C.Presl. ssp. *brachyodonta* (Boiss.) Davis & Droszenko 12840  
 R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Ballota*

- E** *Blephilia hirsuta* Fern. var. *glabrata*  
Fern. 20850  
I 20850 Canada - Ontario 20850  
I 20850 U.S. - Vermont 20850
- R** *Brazoria arenaria* Lundell 20850  
R 20850 U.S. - Texas 20850
- R** *Brazoria pulcherrima* Lundell 20850  
R 20850 U.S. - Texas 20850
- R** *Bystropogon canariensis* (L.) L'Herit.  
V Portugal - Madeira  
R Spain - Canary Is.
- R** *Bystropogon maderensis* Webb  
R Portugal - Madeira
- V** *Bystropogon odoratissimus* Bolle 20750  
V 20750 Spain - Canary Is. 20750
- R** *Bystropogon piperitus* Lowe  
R Portugal - Madeira
- V** *Bystropogon plumosus* (L.f.) L'Herit. 20750  
V 20750 Spain - Canary Is. 20750
- E** *Bystropogon wildpretii* La Serna 20750  
E 20750 Spain - Canary Is. 20750
- R** *Calamintha ashei* (Weatherby) Shinnery 20850  
R 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- R** *Calamintha caroli-henricana* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- E** *Calamintha chandleri* Brandeg. 20883, 20850, 19002  
E 20850 U.S. - California 20850  
I 20883 Mexico 20883
- R** *Calamintha cretica* (L.) Lam. 20171  
R 20730 Greece - Crete 20730
- R** *Calamintha dentata* Chapman 20850  
R 20850 U.S. - Florida 20850
- R** *Calamintha glabella* (Michx.) Benth. 20850  
I 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Missouri 20850  
I 20850 U.S. - Oklahoma 20850  
R 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850
- R** *Calamintha pamphylica* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R** *Calamintha rouyana* Rouy 20171  
R Spain - Balearic Is.
- R** *Calamintha tauricola* Davis 12840  
R 12840 Turkey 12840
- I** *Ceratanthus kerrii* Doan 19120  
I 19120 Thailand 19120
- R** *Chelonopsis yagiharana* Hisauchi & Matsuno 10573  
R 10573 Japan 10573
- R** *Clinopodium multicaule* Kuntze var. *yakushimense*  
(Masam.) Yahara 10573  
R 10573 Japan 10573
- I** *Coleus calciola* Murata 19120  
I 19120 Thailand 19120
- I** *Coleus elongatus* Trimen 8021  
I 16162 Sri Lanka (Ritigala, Anuradhapura) 8021
- V** *Conradina brevifolia* Shinnery 20850, 15915  
V 20850 U.S. - Florida (L. Wales Ridge) 20850
- E** *Conradina etonia* Kral & McCartney 20850, 15915  
E 20850 U.S. - Florida (two sites near Etonia Creek) 20850
- E** *Conradina glabra* Shinnery 20850, 15915  
I 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida (Liberty Co.) 20850
- R** *Conradina grandiflora* Small 20850, 15915  
R 20850 U.S. - Florida (scrub vegetation near coast and inland) 20850
- V** *Conradina verticillata* Jennison 20850, 14875  
E 20850 U.S. - Kentucky 20850  
E 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee (north-central) 20850
- E** *Cuminia eriantha* Benth. 19116  
E 19116 Chile - Juan Fernandez Is. 19116
- E** *Cuminia fernandezia* Colla 19116  
E 19116 Chile - Juan Fernandez Is. 19116
- R** *Cyclotrichium glabrescens* (Bois. & Kot. & Rech. f.)  
Leb. 12840  
R 12840 Turkey 12840
- E** *Dicerandra christmanii* R.B. Huck & Judd 20850  
E 20850 U.S. - Florida 20850
- E** *Dicerandra cornutissima* R.B. Huck 20850  
E 20850 U.S. - Florida (Sumter (Ex) & Marion Co.) 20850
- E** *Dicerandra frutescens* Shinnery 20850  
E 20850 U.S. - Florida 20850
- E** *Dicerandra immaculata* Lakela 20850  
E 20850 U.S. - Florida (Indian R. & St Lucie Co.) 20850
- E** *Dicerandra radfordiana* R.B. Huck 20850  
E 20850 U.S. - Georgia 20850
- R** *Dorystaechas hastata* Boiss. et Heldr ex  
Bentham 20618  
R 20618 Turkey 19873
- I** *Dracocephalum formosum* Gontsch. 5942  
I 5942 Tajikistan 5942
- R** *Dysophylla koehneana* Muschl 19120  
R 19120 Thailand 19120
- I** *Dysophylla rugosa* Hook.f.  
I India - Tamil Nadu (Tirunelveli District)
- I** *Elsholtzia densa* Benth.  
I India - Himachal Pradesh  
I India - Jammu & Kashmir  
I India - Uttar Pradesh
- R** *Eremostachys pulchra* Popov  
R former USSR 6930
- R** *Eremostachys zenaidae* Popov 5942  
R 5942 Kazakhstan (south-east) 5942
- E** *Eriope trichopes* Epling 5607  
E 19105 Cuba (Juventud Is.) 5607
- R** *Euhesperida linearifolia* Brullo & Furnari  
R Libya
- R** *Gomphostemma callicarpoides* (Yamamoto)  
Masamune 20511  
R 20511 Taiwan 20511
- R** *Gomphostemma grandiflora* Doan 6057  
R Vietnam 6057
- Ex/E** *Haplostachys bryanii* Sherff 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex** *Haplostachys bryanii* Sherff var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Haplostachys*

- bryanii* 14209  
 Ex 14209 U.S. - Hawaii 14209
- E** *Haplostachys haplostachya* (Gray) St. John 20850  
 E 20850 U.S. - Hawaii 20850
- E** *Haplostachys haplostachya* (A.Gray) H. St. John var. *haplostachya* 14209  
 E 14209 U.S. - Hawaii 14209
- Ex/E** *Haplostachys linearifolia* (Drake) Sherff 20850  
 Ex/E 20850 U.S. - Hawaii 20850
- Ex** *Haplostachys linearifolia* (Drake) Sherff var. *linearifolia* 14209  
 Ex 14209 U.S. - Hawaii (Moloka`i) 14209
- Ex/E** *Haplostachys munroi* Forbes 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Lana`i) 20850
- Ex/E** *Haplostachys truncata* (Gray) Hbd. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Maui) 20850
- R** *Hedeoma apiculata* W.S. Stewart 20850  
 R 20850 U.S. - New Mexico 20850  
 V 20850 U.S. - Texas 20850
- V** *Hedeoma costata* Gray 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - New Mexico 20850  
 I 20850 U.S. - Texas 20850
- V** *Hedeoma dentata* Torr. 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - New Mexico 20850
- V** *Hedeoma mollis* Torr. 20850  
 I 20850 U.S. - Texas 20850
- E** *Hedeoma multiflora* Benth. 16336  
 E 16336 Argentina 16336  
 E 20176 Argentina - Buenos Aires 20176  
 E 20176 Argentina - Cordoba 20176  
 E 20176 Argentina - Entre Rios 20176  
 E 20176 Argentina - La Pampa 20176  
 E 20176 Argentina - Neuquen 20176  
 E 20176 Argentina - Mendoza 20176  
 E 20176 Argentina - San Luis 20176
- Ex/E** *Hedeoma pilosa* Irving 20850  
 Ex/E 20850 U.S. - Texas 20850
- V** *Hedeoma pulcherrima* Woot. & Standl. 20850  
 I 20850 U.S. - New Mexico 20850
- V** *Hedeoma todenii* Irving 20850  
 V 20850 U.S. - New Mexico 20850
- V** *Hemiandra gardneri* O.Sarg. 20681  
 V 20681 Australia - Western Australia 20681
- E** *Hemiandra rutilans* O.Sarg. 20681  
 E 20681 Australia - Western Australia 20681
- Ex** *Hemigenia clotteniana* Bailey 20681  
 Ex 20681 Australia - Queensland 20681
- Ex** *Hemigenia exilis* S.Moore 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- Ex** *Hemigenia obtusa* Benth. 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- R** *Hemigenia platyphylla* (Bartl.) Benth. 20681  
 R 20681 Australia - Western Australia 20681
- V** *Hemigenia viscida* S.Moore 20681  
 V 20681 Australia - Western Australia 20681
- R** *Hemizygia bolusii* (N.E.Br.) Codd 20604  
 R 20604 South Africa - Natal 20604
- R** *Hemizygia cinerea* Codd 20604  
 R 20604 Lesotho 20604
- R** 20604 South Africa - Natal 20604  
 R 20604 South Africa - Orange Free State 20604
- R** *Hemizygia orithreps* Wild 7754  
 R Zimbabwe (Chimanimani) 7754
- I** *Hemizygia ramosa* Codd 20604  
 I 20604 South Africa - Natal 20604
- E** *Hyptis cubensis* Urban 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- R** *Hyptis gymnocaulos* Epling 11117  
 R Ecuador - Galapagos (Volcan Alcedo, Isabela) 11117
- E** *Hyptis pedalis* Griseb. 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E** *Hyptis rivularis* Britton 5607  
 E 19105 Cuba (Sancti Spiritus) 5607
- E** *Hyptis shafei* Britton 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E** *Hyssopus cretaceus* Dubj. 5942, 20171  
 E 20655 Ukraine 5942
- R** *Isodon volkensianus* (Muschl.) Murata 19120  
 R 19120 Thailand 19120
- R** *Keiskea macrobracteata* Masamune 20511  
 R 20511 Taiwan 20511
- I** *Lagochilus inebrians* Bunge 5942  
 I 5942 Tajikistan (west) 5942  
 I 5942 Uzbekistan 5942
- R** *Lamium armenum* Boiss. ssp. *sintensisii* R. Mill. 12840  
 R 12840 Turkey 12840
- R** *Lamium cymbalariifolium* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Lamium eriocephalum* Benth. 12840  
 R 12840 Turkey 12840
- R** *Lamium garganicum* L. ssp. *nepetifolium* (Boiss.) R. Mill. 12840  
 R 12840 Turkey 12840
- R** *Lamium garganicum* L. ssp. *pulchrum* R. Mill. 12840  
 R 12840 Turkey 12840
- R** *Lamium glaberrimum* (K.Koch) Taliev 20171  
 E 20655 Ukraine - Crimea 20654  
 R former European USSR
- R** *Lamium glandulosidens* Hub.-Mor. 12840  
 R 12840 Turkey 12840
- R** *Lamium lycium* Boiss. 12840  
 R 12840 Turkey 12840
- Ex** *Lamium microphyllum* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Lamium pisidicum* R. Mill 12840  
 R 12840 Turkey 12840
- E** *Lamium purpureum* L. var. *aznavourii* Gand. ex Aznav. 12840  
 E 12840 Turkey 12840
- R** *Lamium sandrasicum* Davis 12840  
 R 12840 Turkey 12840
- R** *Lamium sulphureum* Hausskn. & Sint. ex R. Mill 12840  
 R 12840 Turkey 12840
- R** *Lamium tenuiflorum* Fisch. & Mey. 12840  
 R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Lamium*

- R** *Lamium veronicifolium* Benth. 12840  
R 12840 Turkey 12840
- R** *Lasiocorys hephaestis* Wild 7752  
R Zimbabwe 7752
- E** *Lasiocorys spiculifolia* Balf. f.  
E Yemen - Socotra
- E** *Lavandula buchii* Webb 20750  
E 20750 Spain - Canary Is. 20750
- I** *Lavandula hasikensis* A.G. Müller 20146  
I 20146 Oman 20146
- V** *Lepechinia cardiophylla* Epling 20850  
V 20850 U.S. - California 20850
- V** *Lepechinia fragrans* (Greene) Epling 20850  
I 20850 U.S. - California 20850
- V** *Lepechinia ganderi* Epling 20850  
V 20850 U.S. - California 20850
- R** *Leucas angustissima* Sedgw. 11494  
R 11494 India - Karnataka (Gersoppa Ghat, north Kanara) 11494
- R** *Leucas lamioides* (Muschl.) Murata 19120  
R 19120 Thailand 19120
- E** *Leucas mukerjiana* Rao & Kumari  
E 13883 India - Andhra Pradesh 13883
- I** *Leucas pubescens* Benth.  
I India - Tamil Nadu
- R** *Leucas spiculifera* (Balf. f.) Guerke 15534  
R 15534 Yemen - Socotra 15534
- I** *Leucas wightiana* Benth.  
I India - Tamil Nadu (Kanniyakumari)
- R** *Lycopus cokeri* Ahles 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- V** *Lycopus laurentianus* Rolland-Germain 20850  
V 20850 Canada - Quebec 20850
- V** *Macbridea alba* Chapman 20850, 15914  
V 20850 U.S. - Florida 20850
- V** *Macbridea caroliniana* (Walt.) Blake 20850  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- R** *Marrubium atlanticum* Battand.  
R Morocco
- R** *Marrubium bourgaei* Boiss. 12840  
R 12840 Turkey 12840
- R** *Marrubium fontianum* Maire  
R Morocco
- R** *Marrubium globosum* Montbret & Aucher ex Benth. ssp. *micanthum* (Boiss. & Heldr.) Davis 12840  
R 12840 Turkey 12840
- R** *Marrubium vanense* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R** *Marrubium vulcanicum* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R** *Marrubium wernerii* Maire  
R Morocco
- R** *Meehania montiskoyae* Ohwi 10573  
R 10573 Japan 10573
- V** *Mentha gattefossei* Maire  
V Morocco
- R** *Mentha requienii* Benth. 18264, 20171  
R 18264 Italy (Tuscany) 18264  
R 18264 Italy - Sardinia 18264
- R** *Microcorys elliptica* Conn 20681  
R 20681 Australia - Northern Territory 20681
- V** *Microcorys eremophiloides* Kenneally 20681  
V 20681 Australia - Western Australia 20681
- R** *Micromeria acropolitana* Halácsy 20171  
R Greece
- V** *Micromeria bucheri* P. Wilson 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- R** *Micromeria carica* Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cilicica* Hausskn. ex Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cremnophila* Boiss. & Heldr. ssp. *amana* (Rech.fil.) Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cristata* (Hampe) Griseb. ssp. *carminea* Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cristata* (Hampe) Griseb. ssp. *orientalis* Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cristata* (Hampe) Griseb. ssp. *phrygia* Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cristata* (Hampe) Griseb. ssp. *xylorrhiza* (Boiss. & Heldr.) Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria cymuligera* Boiss. & Hausskn. 12840  
R 12840 Turkey 12840
- R** *Micromeria dolichodonta* Davis 12840  
R 12840 Turkey 12840
- R** *Micromeria elliptica* C. Koch. 12840  
R 12840 Turkey 12840
- V** *Micromeria fruticosa* (L.) Druce ssp. *giresunica* Davis 12840  
V 12840 Turkey 12840
- E** *Micromeria glomerata* P. Perez 20750  
E 20750 Spain - Canary Is. 20750
- R** *Micromeria helianthemifolia* Webb & Berthel. 20750  
R 20750 Spain - Canary Is. 20750
- R** *Micromeria hispida* Boiss. & Heldr. ex Benth. 20171  
R 20731 Greece - Crete 20731
- R** *Micromeria kernerii* Murb. 20171  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Micromeria lasiophylla* Webb & Berthel. ssp. *lasiophylla*  
R Spain - Canary Is.
- R** *Micromeria lasiophylla* Webb & Berthel. ssp. *palmensis* (Bolle) Perez de Paz  
R Spain - Canary Is.
- E** *Micromeria leucantha* Svent. ex P. Perez 20750  
E 20750 Spain - Canary Is. 20750
- R** *Micromeria nervosa* (Desf.) Benth. 20171



The 1997 IUCN Red List of Threatened Plants

*Magnoliopsida (dicots): Labiatae: Micromeria*

- R 20731 Greece - Crete 20731
- R** *Micromeria parviflora* (Vis.) Rchb. 20178, 20171  
 R 20178 Albania 20178  
 V 21091 Bosnia & Herzegovina 21091  
 R (former) Yugoslavia
- E** *Micromeria pineolens* Svent. 20750  
 E 20750 Spain - Canary Is. 20750
- E** *Micromeria rivas-martinezii* Wildpret 20750  
 E 20750 Spain - Canary Is. 20750
- R** *Micromeria serbaliana* Danin & Hedge  
 R Egypt
- R** *Micromeria serpyllifolia* (M.Bieb.) Boiss. 20171  
 R former European USSR (Crimea) 8001
- R** *Micromeria sinaica* Benth. 16168  
 R 16168 Egypt (Gebel Hamata, Isthmic Desert & south Sinai) 16168  
 R Israel 8895  
 R Jordan 8937
- V** *Micromeria suborbicularis* (Alain) Borh. 5607  
 V 19105 Cuba (Guantanamo) 5607
- R** *Micromeria tapeinantha* Rech.f. 20171  
 R Greece
- E** *Micromeria taygetea* P.H.Davis 8000, 20171  
 E Greece (south - Taiyetos) 8000
- R** *Micromeria varia* Benth. ssp. *hierrensis* Perez de Paz  
 R Spain - Canary Is.
- R** *Micromeria varia* Benth. ssp. *rupestris* (Webb & Berthel.) Perez de Paz  
 R Spain - Canary Is.
- I** *Minthostachys verticillata* Griseb. 16336  
 I 16336 Argentina 16336  
 I 20176 Argentina - Buenos Aires 20176  
 I 20176 Argentina - Catamarca 20176  
 I 20176 Argentina - Jujuy 20176  
 I 20176 Argentina - La Rioja 20176  
 I 20176 Argentina - Mendoza 20176  
 I 20176 Argentina - Salta 20176  
 I 20176 Argentina - Santiago del Estero 20176  
 I 20176 Argentina - San Juan 20176  
 I 20176 Argentina - San Luis 20176  
 I 20176 Argentina - Tucuman 20176
- V** *Monarda citriodora* Cerv. ex Lag. var. *parva*  
 Scora 20850  
 I 20850 U.S. - Texas 20850
- E** *Monarda fistulosa* L. ssp. *brevis* (Fosberg & Artz)  
 Scora, comb. nov. ined. 20850  
 I 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850
- V** *Monarda punctata* L. var. *stanfieldii* (Small)  
 Cory 20850  
 I 20850 U.S. - Texas 20850
- R** *Monarda punctata* L. var. *viridissima* (Correll)  
 Scora, comb. nov. ined. 20850  
 R 20850 U.S. - Texas 20850
- V** *Monardella arizonica* Epling 20850  
 I 20850 U.S. - Arizona 20850
- E** *Monardella beneolens* Shevock, Ertter & Jakerst 20850  
 E 20850 U.S. - California 20850
- V** *Monardella cinerea* Abrams 20850  
 I 20850 U.S. - California 20850
- V** *Monardella crisa* Elmer 20850  
 V 20850 U.S. - California 20850
- R** *Monardella exilis* (Gray) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Monardella exilis* (Gray) Greene var. *frutescens*  
 (Hoover) Jakerst 20850  
 V 20850 U.S. - California 20850
- V** *Monardella hypoleuca* A.Gray ssp. *lanata* (Abrams)  
 Munz 20850  
 V 20850 U.S. - California 20850
- Ex/E** *Monardella leucocephala* Gray 20850, 14662  
 Ex/E 20850 U.S. - California 20850
- V** *Monardella linoides* A.Gray ssp. *oblonga* (Greene)  
 Abrams 20850  
 V 20850 U.S. - California 20850
- R** *Monardella linoides* A.Gray ssp. *viminea* (Greene)  
 Abrams 20850  
 V 20850 U.S. - California 20850
- R** *Monardella macrantha* A.Gray ssp. *hallii* (Abrams)  
 Abrams 20850  
 R 20850 U.S. - California 20850
- V** *Monardella nana* A.Gray ssp. *leptosiphon* (Torr.)  
 Abrams 20850  
 V 20850 U.S. - California 20850
- V** *Monardella neglecta* Greene 20850  
 I 20850 U.S. - California 20850
- Ex** *Monardella pringlei* Gray 20850, 14662  
 Ex 20850 U.S. - California 20850
- V** *Monardella robisonii* Epling ex Munz 20850  
 V 20850 U.S. - California 20850
- E** *Monardella stebbinsii* Hardham & Bartel 20850  
 E 20850 U.S. - California 20850
- R** *Monardella subglabra* (Hoover) Hardham 20850  
 I 20850 U.S. - California 20850
- V** *Monardella viridis* (I.M. Johnston) Ewan ssp. *saxicola* (I.M. Johnston) Ewan 20850  
 I 20850 U.S. - California 20850
- R** *Mosla bracteata* Doan 6057  
 R Vietnam 6057
- R** *Nepeta aristata* Boiss. & Kotschy ex Boiss. 12840  
 R 12840 Turkey 12840
- R** *Nepeta baytopii* Hedge & Lamond 12840  
 R 12840 Turkey 12840
- V** *Nepeta boissieri* Willk. 20171  
 V Spain 11496
- I** *Nepeta camestris* Benth.  
 I India - Himachal Pradesh  
 I India - Jammu & Kashmir  
 I India - Uttar Pradesh
- R** *Nepeta camphorata* Boiss. & Heldr. 20171  
 R Greece
- R** *Nepeta cantabrica* Ubera & B. Valdes  
 R Spain
- V** *Nepeta conferta* Hedge & Lamond 12840  
 V 12840 Turkey 12840
- R** *Nepeta crinita* Montbret & Aucher ex Bentham 12840  
 R 12840 Turkey 12840
- V** *Nepeta cyrenaica* Quezel & Zaffran  
 V Libya
- V** *Nepeta dirphyia* (Boiss.) Heldr. ex Halácsy 8000,

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Nepeta*

- 20171  
V Greece (east - Evvoia) 8000
- R *Nepeta foliosa* Moris 18264, 20171  
R 18264 Italy - Sardinia 18264
- R *Nepeta gontscharovii* Kudrj.  
R former USSR 6930
- R *Nepeta heldreichii* Halácsy 20171  
R Greece
- R *Nepeta ladanolens* Lipsky  
R former USSR 6930
- R *Nepeta maussarifii* Lipsky  
R former USSR 6930
- R *Nepeta nadinae* Lipsky  
R former USSR 6930
- V *Nepeta nuda* L. ssp. *glandulifera* Hub.-Mor. & Davis 12840  
V 12840 Turkey 12840
- R *Nepeta nuda* L. ssp. *lydiae* Davis 12840  
R 12840 Turkey 12840
- R *Nepeta numantina* Segura  
R Spain
- R *Nepeta obtusirena* Boiss. & Kotschy ex Hedge 12840  
R 12840 Turkey 12840
- I *Nepeta paucifolia* Mukerjee  
I India - Jammu & Kashmir
- R *Nepeta phyllochlamys* Davis 12840  
R 12840 Turkey 12840
- R *Nepeta plinux* Davis 12840  
R 12840 Turkey 12840
- R *Nepeta scordotis* L. 20171  
R Greece
- R *Nepeta septemcrenata* Ehrenb.  
R Egypt
- R *Nepeta sorgerae* Hedge & Lamond 12840  
R 12840 Turkey 12840
- E *Nepeta sphaciotica* P.H.Davis 8000, 20171  
E 20730 Greece - Crete (Levka Ori) 8000
- V *Nepeta sulfuriflora* Davis 12840  
V 12840 Turkey 12840
- R *Nepeta teydea* Webb & Berthel. 17530  
R 19174 Spain - Canary Is. 19174
- R *Nepeta troodi* Holmboe 14230  
R 20710 Cyprus 14230
- V *Nepeta vivianii* (Coss.) Beguinot & Vaccari  
V Libya
- I *Ocimum natalense* Ayob. ex A.J.Paton 20604  
I 20604 Mozambique 20604  
I 20604 South Africa - Natal 20604
- R *Origanum amanum* Post 12840  
R 12840 Turkey 12840
- R *Origanum bilgeri* Davis 12840  
R 12840 Turkey 12840
- R *Origanum calcaratum* Juss.  
R 20731 Greece (Cyclades) 20731
- V *Origanum cordifolium* (Auch.-Eloy & Montbr.) Vogel 14230  
V 19164 Cyprus 14230
- V *Origanum dictamnus* L. 8000, 20171
- V 20731 Greece - Crete 8000
- R *Origanum floribundum* Munby 10488  
R 14958 Algeria 10488
- R *Origanum haussknechtii* Boiss. 12840  
R 12840 Turkey 12840
- R *Origanum hypericifolium* O. Schwarz & Davis 12840  
R 12840 Turkey 12840
- R *Origanum isthmicum* Danin 17671  
R Egypt (Gabal Halal) 17671
- R *Origanum leptocladum* Boiss. 12840, 20171  
R 12840 Turkey 12840
- R *Origanum micranthum* Vogel 12840  
R 12840 Turkey 12840
- R *Origanum minutiflorum* O. Schwarz & Davis 12840  
R 12840 Turkey 12840
- R *Origanum munzurense* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- I *Origanum pauii* Martinez  
I Spain
- V *Origanum ramonense* Danin 8895  
V Israel (C. Negev) 8895
- R *Origanum saccatum* Davis 12840  
R 12840 Turkey 12840
- V *Origanum scabrum* Boiss. & Heldr. 17781, 20171  
V 17762 Greece 17781
- R *Origanum solymicum* Davis 12840  
R 12840 Turkey 12840
- I *Origanum syriacum* L. var. *bevanii* (Holmes) Ietswaart 14230  
I 19164 Cyprus (near Lapithos) 14230
- V *Origanum vetteri* Briq. & Barbey 20171  
V 20731 Greece - Crete (Karpathos) 20731
- I *Orthosiphon tagawai* Murata 19120  
I 19120 Thailand 19120
- V *Orthosiphon vernalis* Codd 20604, 18023  
V 20604 Swaziland 20604
- I *Otostegia bucharica* B. Fedtsch. 5942  
I 5942 Uzbekistan (south-east) 5942
- R *Phlomis angustissima* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Phlomis antiatlantica* Peltier  
R Morocco
- E *Phlomis aurea* Decne. 16168  
E 16168 Egypt (Mountainous Sinai (El Husseiny)) 16168
- R *Phlomis bovei* de Noe 10488  
R 14958 Algeria 10488
- V *Phlomis brevistriata* Turrill 14230  
V 20710 Cyprus 14230
- V *Phlomis brunneogaleata* Hub.-Mor. 12840  
V 12840 Turkey 12840
- R *Phlomis carica* Rech.fil. 12840  
R 12840 Turkey 12840
- R *Phlomis chimerae* Boissieu 12840  
R 20618 Turkey 20618
- R *Phlomis cypria* Post var. *occidentalis* 14230  
R 19164 Cyprus 14230
- V *Phlomis integrifolia* Hub.-Mor. 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Phlomis*

- V 12840 Turkey 12840
- R *Phlomis leucophracta* Davis & Hub.-Mor. 12840  
R 20618 Turkey 20618
- R *Phlomis longifolia* Boiss. & Bal. var. *bailanica*  
(Vierh.) Hub.-Mor. 12840  
R 20618 Turkey 20618
- E *Phlomis margaritae* Aparico & Silvestre 20661  
E 20661 Spain (Cádiz: Sierra Gratalema) 20661
- R *Phlomis monocephala* Davis 12840  
R 20618 Turkey 20618
- R *Phlomis physocalyx* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Phlomis pichleri* Vierh. 20771  
R 20731 Greece - Crete (Kasos, Karpathos, Saria) 20731
- R *Phlomis sintenisii* Rech.fil. 12840  
R 12840 Turkey 12840
- E *Phyllostegia bracteata* Sherff 20850, 14209  
E 20850 U.S. - Hawaii (Maui) 20850
- Ex/E *Phyllostegia brevidens* Gray 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex *Phyllostegia brevidens* A.Gray var. *brevidens* 14209  
Ex 14209 U.S. - Hawaii 14209
- E *Phyllostegia floribunda* Benth. 20850, 14209  
E 20850 U.S. - Hawaii (Hawai'i) 20850
- R *Phyllostegia glabra* (Gaudich.) Benth. 20850, 14209  
I 20850 U.S. - Hawaii 20850
- R *Phyllostegia glabra* (Gaudich.) Benth. var. *glabra* 20850  
I 20850 U.S. - Hawaii 20850
- Ex/E *Phyllostegia glabra* (Gaudich.) Benth. var. *lanaiensis* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Lana'i) 20850
- E *Phyllostegia helleri* Sherff 20850  
E 20850 U.S. - Hawaii 20850
- R *Phyllostegia helleri* Sherff var. *helleri* 14209  
R 14209 U.S. - Hawaii (Kaua'i) 14209
- Ex/E *Phyllostegia hillebrandii* Mann ex Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Phyllostegia hirsuta* Benth. 20850  
E 20850 U.S. - Hawaii 20850
- E *Phyllostegia hispida* Hbd. 20850, 14209  
I 20850 U.S. - Hawaii (eastern Moloka'i) 20850
- Ex/E *Phyllostegia imminuta* (Sherff) St. John 20850  
Ex/E 20850 U.S. - Hawaii 20850
- E *Phyllostegia kaalaensis* St. John 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E *Phyllostegia knudsenii* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kaua'i) 20850
- E *Phyllostegia mannii* Sherff 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Phyllostegia mollis* Benth. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Phyllostegia parviflora* (Gaud.) Benth. 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E *Phyllostegia parviflora* (Gaudich.) Benth. var. *glabriuscula* Gray 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Hawai'i) 20850
- E *Phyllostegia parviflora* (Gaudich.) Benth. var. *parviflora* 20850, 14209  
E 20850 U.S. - Hawaii (West Maui, O'ahu) 20850
- E *Phyllostegia racemosa* Benth. 20850  
E 20850 U.S. - Hawaii 20850
- R *Phyllostegia racemosa* Benth. var. *racemosa* 14209  
R 14209 U.S. - Hawaii 14209
- Ex/E *Phyllostegia rockii* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E *Phyllostegia stachyoides* Gray 20850  
E 20850 U.S. - Hawaii 20850
- Ex *Phyllostegia tahitensis* Nadeaud 20845  
Ex 20845 French Polynesia - Society Is. (Tahiti) 20845
- Ex/E *Phyllostegia variabilis* Bitter 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E *Phyllostegia velutina* (Sherff) St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V *Phyllostegia vestita* Benth. 20850, 14209  
V 20850 U.S. - Hawaii (Hawai'i & Kohala Mts.) 20850
- Ex/E *Phyllostegia waimeae* Wawra 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kaua'i) 20850
- E *Phyllostegia warshaueri* St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- Ex/E *Phyllostegia wawrana* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- V *Physostegia correllii* (Lundell) Shinnars 20883, 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- R *Physostegia godfreyi* Cantino 20850  
R 20850 U.S. - Florida 20850
- R *Physostegia ledinghamii* (Boivin) Cantino 20850  
I 20850 Canada - Alberta 20850  
I 20850 Canada - Manitoba 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Saskatchewan 20850  
I 20850 U.S. - North Dakota 20850
- V *Physostegia longisepala* Cantino 20850  
V 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Texas 20850
- R *Pitardia nepetoides* Battand.  
R Morocco
- R *Plectranthus actites* P.I.Forster 20681  
R 20681 Australia - Queensland 20681
- R *Plectranthus allopectus* S.T.Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Plectranthus arenicola* P.Forster 20681  
R 20681 Australia - Queensland 20681
- I *Plectranthus beddomei* Raiz.  
I India - Tamil Nadu (Tirunelveli Hills)
- Ex/E *Plectranthus bishopianus* Gamble 14782  
Ex/E 14782 India - Tamil Nadu (Palani Hills, Madurai Dist) 14782

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Plectranthus*

- R** *Plectranthus blakei* P.Forster 20681  
**R** 20681 Australia - Queensland 20681
- I** *Plectranthus bourneae* Gamble 14782  
**I** 14782 India - Tamil Nadu 14782
- I** *Plectranthus capillipes* Benth. 8021  
**I** 16162 Sri Lanka (Ramboda, Nuwaraehly Dist.) 8021
- R** *Plectranthus crassus* N.E. Br. 7757  
**R** Malawi (Mlanje) 7757
- R** *Plectranthus cyanophyllus* P.I.Forster 20681  
**R** 20681 Australia - Queensland 20681
- I** *Plectranthus deccanicus* Briq.  
**I** India - Tamil Nadu
- I** *Plectranthus dissitiflorus* (Gurke) J.K. Morton  
**I** Cameroon (Buea, Bimbia)
- R** *Plectranthus elegans* Britten 7757  
**R** Malawi (Mlanje) 7757
- R** *Plectranthus ernstii* Codd 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Plectranthus glabriflorus* P.I.Forster 20681  
**R** 20681 Australia - Queensland 20681
- R** *Plectranthus graniticola* P.Forster 20681  
**R** 20681 Australia - Queensland 20681
- V** *Plectranthus gratus* S.T.Blake 20681  
**V** 20681 Australia - Queensland 20681
- V** *Plectranthus habrophyllus* P.I.Forster 20681  
**V** 20681 Australia - Queensland 20681
- E** *Plectranthus hallii* J.K. Morton 7926  
**E** 6072 Ghana (Gambaga scarp) 7926
- R** *Plectranthus hilliardiae* Codd 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- E** *Plectranthus kunstleri* Prain  
**E** Malaysia - Peninsular Malaysia (K. Dipang, Perak, Langkawi)
- V** *Plectranthus leiperi* P.I.Forster 20681  
**V** 20681 Australia - Queensland 20681
- E** *Plectranthus minutus* P.Forster 20681  
**E** 20681 Australia - Queensland 20681
- R** *Plectranthus oertendahlii* T.C.E.Fr. 20604  
**R** 20604 South Africa - Natal 20604
- E** *Plectranthus omissus* P.Forster 20681  
**E** 20681 Australia - Queensland 20681
- R** *Plectranthus oribiensis* Codd 20604  
**R** 20604 South Africa - Natal 20604
- E** *Plectranthus praetermissus* Codd 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Plectranthus purpuratus* Harv. 20604  
**R** 20604 South Africa - Natal 20604
- E** *Plectranthus socotranus* A.R. Smith 15534  
**E** 15534 Yemen - Socotra 15534
- R** *Plectranthus spectabilis* S.T.Blake 20681  
**R** 20681 Australia - Queensland 20681
- V** *Pogogyne abramsii* J.T. Howell 20850  
**V** 20850 U.S. - California 20850
- E** *Pogogyne clareana* J.T. Howell 20850  
**E** 20850 U.S. - California 20850
- E** *Pogogyne nudiuscula* Gray 20883, 20850, 8058  
**E** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- R** *Pogostemon atropurpureus* Benth. 14782  
**R** 14782 India - Tamil Nadu (Sispara Ghat, Nilgiri) 14782
- I** *Pogostemon gardneri* Hook.f.  
**I** India - Kerala (Wynaad)  
**I** India - Tamil Nadu (Sispara, Nilgiri Hills)
- R** *Pogostemon litigious* Doan 6057  
**R** Vietnam 6057
- E** *Pogostemon nilagiricus* Gamble 2268  
**E** 14782 India - Tamil Nadu (Nilgiri Hills) 2268
- E** *Pogostemon paludosus* Benth. 4988  
**E** 14782 India - Tamil Nadu (Nilgiri Hills) 4988
- R** *Pogostemon travancoricus* Beddome 9250  
**R** 14782 India - Kerala (Trivandrum District) 9250
- R** *Prostanthera atrovioacea* Bailey 20681  
**R** 20681 Australia - Queensland 20681
- V** *Prostanthera calycina* Benth. 20681  
**V** 20681 Australia - South Australia 20681
- V** *Prostanthera carrickiana* Conn 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Prostanthera cruciflora* J.H.Willis 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Prostanthera cryptandroides* Benth. 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Prostanthera densa* A.A.Ham. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Prostanthera discolor* R.Baker 20681  
**V** 20681 Australia - New South Wales 20681
- E** *Prostanthera eurybioides* F.Muell. 20681, 17915  
**E** 20681 Australia - South Australia 20681
- R** *Prostanthera magnifica* C.Gardner 20681  
**R** 20681 Australia - Western Australia 20681
- Ex** *Prostanthera marifolia* R.Br. 20681  
**Ex** 20681 Australia - New South Wales 20681
- R** *Prostanthera monticola* Conn 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Prostanthera nudula* E.L.Robertson 20681  
**V** 20681 Australia - South Australia 20681
- R** *Prostanthera porcata* Conn 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Prostanthera staurophylla* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Prostanthera stricta* R.Baker 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Prostanthera walteri* F.Muell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Prunella cretensis* Gand. 20171  
**R** 20731 Greece - Crete 20731
- I** *Pseuderemostachys sewerzowii* (Herder) Popov 5942  
**I** 5942 Kazakhstan (south-east) 5942  
**I** 5942 Kyrgyzstan (north) 5942
- R** *Pseudomarrubium eremostachydioides* M.Pop. 5942  
**R** 5942 Kazakhstan 5942
- V** *Pycnanthemum beadlei* (Small) Fern. 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Pycnanthemum*

- I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Virginia 20850
- V** *Pycnanthemum clinopodioides* Torr. & Gray 20850  
 E 20850 U.S. - Connecticut 20850  
 Ex/E 20850 U.S. - Delaware 20850  
 E 20850 U.S. - Maryland 20850  
 E 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 I 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Texas 20850  
 I 20850 U.S. - Virginia 20850  
 Ex/E 20850 U.S. - West Virginia 20850
- R** *Pycnanthemum curvipes* (Greene) E. Grant & Epling 20850  
 E 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - Tennessee 20850
- R** *Pycnanthemum floridanum* E. Grant & Epling 20850  
 R 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850
- Ex/E** *Pycnanthemum monotrichum* Fern. 20850, 14662  
 E 20850 U.S. - Virginia 20850
- V** *Pycnanthemum torrei* Benth. 20850  
 E 20850 U.S. - Connecticut 20850  
 I 20850 U.S. - Delaware 20850  
 I 20850 U.S. - District of Columbia 20850  
 I 20850 U.S. - Georgia 20850  
 E 20850 U.S. - Illinois 20850  
 I 20850 U.S. - Kansas 20850  
 E 20850 U.S. - Maryland 20850  
 Ex 20850 U.S. - Missouri 20850  
 Ex/E 20850 U.S. - New Hampshire 20850  
 E 20850 U.S. - New Jersey 20850  
 E 20850 U.S. - New York 20850  
 Ex/E 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850
- R** *Rhododon ciliatus* (Benth.) Epling 20850  
 R 20850 U.S. - Texas 20850
- V** *Salvia adenocaulon* Davis 12840  
 V 12840 Turkey 12840
- R** *Salvia adenophylla* Hedge & Hub.-Mor. 12840  
 R 12840 Turkey 12840
- R** *Salvia albimaculata* Hedge & Hub.-Mor. 12840  
 R 12840 Turkey 12840
- E** *Salvia amissa* Epling 20850, 9777  
 I 20850 U.S. - Arizona 20850  
 ? Mexico 9777
- V** *Salvia arizonica* Gray 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Texas 20850
- R** *Salvia aucheri* Benth. 12840  
 R 12840 Turkey 12840
- R** *Salvia balansae* de Noe 10488  
 R 14958 Algeria 10488
- Ex/E** *Salvia baldschuanica* Lipsky 5942  
 Ex/E 5942 Tajikistan 5942
- R** *Salvia brachyodon* Vandas 20171  
 V 21091 Bosnia & Herzegovina 21091  
 R (former) Yugoslavia
- V** *Salvia brandegei* Munz 20850  
 E 20850 U.S. - California 20850
- E** *Salvia broussonetii* Benth. 20750  
 E 20750 Spain - Canary Is. 20750
- E** *Salvia calcicola* Harley 19563  
 E 19563 Brazil - Distrito Federal (Brasilia) 19563
- R** *Salvia candelabrum* Boiss. 20171  
 R Spain
- R** *Salvia cedronella* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Salvia chanroenica* Nakai 15957  
 R 15923 Korea, South (Mt Chongryong, Mt Pukhan, Kangwon-do) 15957
- R** *Salvia chionantha* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Salvia cilicica* Boiss. & Kotschy 12840  
 R 12840 Turkey 12840
- E** *Salvia clarendonensis* Britton 20883, 13336  
 E 20883 Jamaica 20883
- R** *Salvia clevelandii* (Gray) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Salvia davidsonii* Greenm. 20850  
 E 20850 U.S. - Arizona 20850  
 I 20850 U.S. - New Mexico 20850
- R** *Salvia divaricata* Montbret & Aucher ex Benth. 12840  
 R 12840 Turkey 12840
- I** *Salvia dorisiana* Standley 9075  
 I 9730 Honduras 9075
- V** *Salvia dorrii* (Kellogg) Abrams var. *clokeyi* Strachan 20850  
 V 20850 U.S. - Nevada 20850
- V** *Salvia dorrii* (Kellogg) Abrams ssp. *mearnsii* (Britt.) McClintock 20850  
 V 20850 U.S. - Arizona 20850
- I** *Salvia eigii* Zoh. 8895  
 I Israel (last seen 1950) 8896
- R** *Salvia eriocalyx* Bert. 20883, 13336  
 R 13336 Jamaica 20883
- R** *Salvia eriophora* Boiss. & Kotschy 12840  
 R 12840 Turkey 12840
- E** *Salvia ernesti-vargasii* C. Nelson 9649  
 E 20050 Honduras 9649
- R** *Salvia euphratica* Montbret & Aucher ex Benth. 12840  
 R 12840 Turkey 12840
- R** *Salvia garedji* Troitsky  
 R former USSR 6930
- R** *Salvia gattefossei* Emberger  
 R Morocco
- Ex** *Salvia gontscharovii* Kudrj. 5942  
 Ex 5942 Tajikistan 5942
- R** *Salvia greatae* Brandeg. 20850  
 R 20850 U.S. - California 20850
- I** *Salvia guarinae* Standley 9075  
 I 9730 Honduras 9075
- V** *Salvia halophila* Hedge 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Salvia*

- V 12840 Turkey 12840
- E *Salvia herbanica* Santos & Fernández 20750  
E 20750 Spain - Canary Is. 20750
- R *Salvia huberi* Hedge 12840  
R 12840 Turkey 12840
- I *Salvia insularum* Epling 11117  
I Ecuador - Galapagos (V. Alcedo; San Cristobal) 11117
- R *Salvia interrupta* Schousboe  
R Morocco
- R *Salvia isensis* Nakai 10573  
R 10573 Japan 10573
- E *Salvia jamaicensis* Fawcett 20883, 13336  
E 20883 Jamaica 20883
- R *Salvia japonica* Thunb. var. *taipingshanensis* (Wu & Huang) Huang & Wu 20511  
R 20511 Taiwan 20511
- R *Salvia jurisicii* Kosanin 20171  
R (former) Yugoslavia
- V *Salvia koyamae* Makino 10573  
V 10573 Japan 10573
- R *Salvia kronenburgei* Rech.fil. 12840  
R 12840 Turkey 12840
- R *Salvia leucophylla* Greene 20850  
I 20850 U.S. - California 20850
- R *Salvia manantlanensis* T.P. Ramamoorthy 19850  
R 19850 Mexico - Jalisco 21204
- Ex/E *Salvia micrantha* Vahl var. *blodgettii* (Chapman) Epling 20850  
Ex/E 20850 U.S. - Florida 20850
- R *Salvia munzii* Epling 20850  
V 20850 U.S. - California 20850
- R *Salvia nigrescens* Alain 5607  
R 19105 Cuba (SC; Gu) 5607
- R *Salvia nipponica* Miq. var. *formosana* (Hayata) Kudo 20511  
R 20511 Taiwan 20511
- R *Salvia nydeggeri* Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Salvia odontochlamys* Hedge 12840  
R 12840 Turkey 12840
- R *Salvia ombrophila* Dusin 19563  
R 19563 Brazil 19563
- R *Salvia omerocalyx* Hayata 10573  
R 10573 Japan 10573
- E *Salvia penstemonoides* Kunth & Bouche 20850  
E 20850 U.S. - Texas 20850
- R *Salvia prostrata* Hook.f. 11117  
R Ecuador - Galapagos 11117
- R *Salvia pseudoserotina* Epling 11117  
R Ecuador - Galapagos (Volcan Alcedo; Floreana) 11117
- R *Salvia quezelii* Hedge & Ajzal-Rafri 12840  
R 12840 Turkey 12840
- R *Salvia reeseana* Hedge & Hub.-Mor. 12840  
R 12840 Turkey 12840
- V *Salvia rhombifolia* Ruiz Lopez & Pavon 18200  
V 9446 Peru 18200
- R *Salvia scabiosifolia* Lam. 8000, 20171  
R 5204 Bulgaria (north) 8000  
I former European USSR (Crimea) 8001
- V *Salvia scabrata* Britton & P. Wilson 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R *Salvia sericeo-tomentosa* Rech.fil. 12840  
R 12840 Turkey 12840
- R *Salvia smyrnea* Boiss. 12840  
R 12840 Turkey 12840
- E *Salvia strobilanthiodes* C. Wright 5607  
E 19105 Cuba (Guantanamo) 5607
- R *Salvia summa* A. Nels. 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R *Salvia tigrina* Hedge & Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Salvia tobeyi* Hedge 12840  
R 12840 Turkey 12840
- R *Salvia transsilvanica* (Schur ex Griseb.) Schur 17823  
R 19949 Romania 19949
- E *Salvia trichopes* Epling 20883, 9006  
I 20883 Panama 20883
- R *Salvia tubiflora* Smith 13875  
R 13875 Chile 13875  
V 12468 Peru 18200
- R *Salvia vaseyi* (Porter) Parish 20850  
I 20850 U.S. - California 20850
- R *Salvia veneris* Hedge 14230  
R 19164 Cyprus 14230
- R *Salvia vermifolia* Hedge & Hub.-Mor. 12840  
R 12840 Turkey 12840
- R *Salvia willeana* (Holmboe) Hedge 14230  
R 20710 Cyprus 14230
- R *Satureja brivesii* (Battand.) Murb.  
R Morocco
- I *Satureja bzybica* Woronow 5942  
I 5942 Russia - North Caucasus 5942
- R *Satureja candica* Greuter & Burdet 20730  
R 20730 Greece - Crete 20730
- R *Satureja cilicica* Davis 12840  
R 12840 Turkey 12840
- R *Satureja cretica* (L.) Briq. 19121  
R 20731 Greece - Crete 20731
- R *Satureja grandibracteata* Killick 20604  
R 20604 South Africa - Natal 20604
- V *Satureja hispidula* (Boiss. & Reuter) Maire 10488  
V 14958 Algeria 10488
- R *Satureja monantha* Font Quer  
R Morocco
- R *Satureja multiflora* (Ruiz Lopez & Pavon) Briq. 13875  
R 13875 Chile 13875
- R *Satureja parnassica* Heldr. & Sart. ex Boiss. ssp. *sipylea* Davis 12840  
R 12840 Turkey 12840
- R *Satureja peltieri* Maire  
R Morocco
- R *Satureja pomelii* Briq. 10488  
R 14958 Algeria 10488
- R *Satureja rumelica* Velen. 5204, 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Satureja*

- R 5204 Bulgaria (central) 5204
- E *Satureja thymbrifolia* Hedge & Feinbrun 8895  
E Israel (Judean Desert, Edom) 8895
- R *Satureja weilleri* Maire  
R Morocco
- V *Scutellaria alabamensis* Alexander 20850  
V 20850 U.S. - Alabama 20850
- V *Scutellaria altamaha* Small 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - Massachusetts 20850  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- R *Scutellaria andamanica* Prain 7771  
R 14782 India - Andaman Is. (South) 7771
- I *Scutellaria andrachnoides* Vved. 5942  
I 5942 Kyrgyzstan 5942
- E *Scutellaria arenicola* Small 20850  
I 20850 U.S. - Florida 20850
- V *Scutellaria arguta* Buckl. 20850  
I 20850 U.S. - Georgia 20850  
V 20850 U.S. - Kentucky 20850  
Ex/E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - Tennessee 20850  
Ex/E 20850 U.S. - Virginia 20850
- V *Scutellaria bolanderi* Gray ssp. *austromontana*  
Epling 20850  
V 20850 U.S. - California 20850
- V *Scutellaria bushii* Britt. 20850  
V 20850 U.S. - Arkansas 20850  
R 20850 U.S. - Missouri 20850
- E *Scutellaria floridana* Chapman 20850, 15914  
E 20850 U.S. - Florida 20850
- V *Scutellaria glabriuscula* Fern. 20850  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R *Scutellaria glophyrostachys* Rech.fil. 12840  
R 12840 Turkey 12840
- R *Scutellaria heterotricha* Juzepczuk & Vved.  
R former USSR 6930
- R *Scutellaria juzepczukii* Gontsch.  
R former USSR 6930
- V *Scutellaria kiusiana* Hara var. *kuromidakensis*  
Yahara 10573  
V 10573 Japan 10573
- E *Scutellaria laevis* Shinnars 20850  
E 20850 U.S. - Texas 20850
- E *Scutellaria lewisiana* Nowicke 20883, 9006  
I 20883 Panama 20883
- E *Scutellaria lutilabia* Lane & Nesom 20883  
I 20883 Mexico 20883
- V *Scutellaria montana* Chapman 20850  
V 20850 U.S. - Georgia 20850  
V 20850 U.S. - Tennessee 20850
- R *Scutellaria naxensis* Bothmer 20171  
R Greece
- V *Scutellaria novae-zelandiae* Hook.f. 19305  
V 19305 New Zealand - South Is. 19305
- E *Scutellaria ocmulgee* Small 20850  
E 20850 U.S. - Georgia 20850
- R *Scutellaria orientalis* L. ssp. *carica*  
Edmondson 12840  
R 12840 Turkey 12840
- R *Scutellaria orientalis* L. ssp. *porphyrostegia*  
Edmondson 12840  
R 12840 Turkey 12840
- R *Scutellaria orientalis* L. ssp. *sintenisii*  
(Hauuskn. ex Bornm.) Edmondson 12840  
R 12840 Turkey 12840
- R *Scutellaria orientalis* L. ssp. *tortumensis* Kit Tan  
& Sorger 12840  
R 12840 Turkey 12840
- E *Scutellaria ovata* Hill ssp. *pseudoarguta*  
Epling 20850, 11630  
I 20850 U.S. - Indiana 20850  
I 20850 U.S. - Virginia 20850  
Ex/E 20850 U.S. - West Virginia 20850
- R *Scutellaria pseudoserrata* Epling 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
Ex/E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - Tennessee 20850
- I *Scutellaria robusta* Benth. 8021  
I 16162 Sri Lanka (Adam's Peak) 8021
- R *Scutellaria rubicunda* Hornem ssp. *pannosula*  
(Rech.f.) Edmondson 12840  
R 12840 Turkey 12840
- R *Scutellaria rubropunctata* Hayata var. *yakusimensis*  
(Masam.) Yahara 10573  
R 10573 Japan 10573
- R *Scutellaria rupestris* Boiss. & Heldr. 20171  
R Greece
- V *Scutellaria thieretii* Shinnars 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Texas 20850
- R *Scutellaria valdiviana* (D. Clos) Epling 13875  
R 13875 Chile 13875
- R *Sideritis albiflora* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Sideritis amasica* Bornm. 12840  
R 12840 Turkey 12840
- R *Sideritis argosphacela* (Webb & Berthel.) Clos 19174  
R 19174 Spain - Canary Is. 19174
- R *Sideritis argyrea* Davis 12840  
R 12840 Turkey 12840
- R *Sideritis armeniaca* Bornm. 12840  
R 12840 Turkey 12840
- V *Sideritis barbellata* Mendoza-Heuer  
V Spain - Canary Is.
- R *Sideritis bilgerana* Davis 12840  
R 12840 Turkey 12840
- R *Sideritis brevibracteata* Davis 12840  
R 12840 Turkey 12840
- V *Sideritis brevicaulis* Mendoza-Heuer 20750  
V 20750 Spain - Canary Is. 20750
- R *Sideritis brevidens* Davis 12840  
R 12840 Turkey 12840
- V *Sideritis cabreræ* Ceball. & Ortuno  
V Spain - Canary Is.
- R *Sideritis canariensis* L.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Sideritis*

- R Spain - Canary Is.
- R *Sideritis candicans* Aiton  
R Portugal - Madeira
- R *Sideritis cassia* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Sideritis chamaedrifolia* Cav. 20699  
V Spain
- R *Sideritis cilicica* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Sideritis condensata* (Boiss. & Heldr.) Bentham 12840  
R 12840 Turkey 12840
- R *Sideritis congesta* Davis & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Sideritis cypria* Post 14230  
R Cyprus 14230
- E *Sideritis cystosiphon* Svent. 17891  
E 20750 Spain - Canary Is. 17891
- E *Sideritis discolor* (Webb ex de Noe) Bolle 17891  
E 20750 Spain - Canary Is. 17891
- R *Sideritis eriocephala* Marrero ex Negrin & Pérez 20750  
R 20750 Spain - Canary Is. 20750
- R *Sideritis erythrantha* (Boiss. & Heldr.) Bentham 12840  
R 12840 Turkey 12840
- R *Sideritis galatica* Bornm. 12840  
R 12840 Turkey 12840
- R *Sideritis giennensis* Pau ex Font Quer 20171  
R Spain
- R *Sideritis glauca* Cav. 11496, 20171  
R 20874 Spain (Alicante, Murcia) 20874
- V *Sideritis gomeraea* de Noe ex Bolle 20750  
V 20750 Spain - Canary Is. 20750
- R *Sideritis hispida* Davis 12840  
R 12840 Turkey 12840
- R *Sideritis hololeuca* (Boiss. & Heldr.) Bentham 12840  
R 12840 Turkey 12840
- R *Sideritis huber-morathii* Greuter ex Burdet 12840  
R 12840 Turkey 12840
- R *Sideritis imbricata* H. Lindb.  
R Morocco
- R *Sideritis incana* L. ssp. *sericea* (Pers.) P.W.Ball ex Heywood 20171  
R 20692 Spain (Muela de Cortes, Valencia province) 20692
- E *Sideritis infernalis* Bolle 17891  
E 20750 Spain - Canary Is. 17891
- V *Sideritis javalambrensis* Pau 8000, 20171  
V 20692 Spain (Javalambre Mts.) 20692
- V *Sideritis kuegleriana* Bornm. 20750  
V 20750 Spain - Canary Is. 20750
- R *Sideritis laxepicata* Socorro, I. Tarrega & N.L. Zafra  
R Spain
- R *Sideritis leptoclada* O. Schwarz & Davis 12840  
R 12840 Turkey 12840
- R *Sideritis libanotica* Labill. ssp. *violascens* (Davis) Davis 12840
- R 12840 Turkey 12840
- V *Sideritis lycia* (Boiss. & Heldr.) Bentham 12840  
V 12840 Turkey 12840
- V *Sideritis macrostachya* Poiret 20750  
V 20750 Spain - Canary Is. 20750
- R *Sideritis maireana* Font Quer & Pau  
R Morocco
- E *Sideritis marmorea* Bolle 17891  
E 20750 Spain - Canary Is. 17891
- R *Sideritis maura* de Noe 10488  
R 14958 Algeria 10488
- R *Sideritis mugronensis* Borja 20692  
R 20692 Spain (Valencia and Albacete provinces) 20692
- E *Sideritis nervosa* (Christ) Lid 20750  
E 20750 Spain - Canary Is. 20750
- R *Sideritis niveotomentosa* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Sideritis nutans* Svent. 20750  
V 20750 Spain - Canary Is. 20750
- R *Sideritis osteoxyla* Pau  
R Spain (Cabo de Gata)
- R *Sideritis ovata* Cav. 20171  
R Spain
- V *Sideritis penzigii* (Pitard) Bornm.  
V Spain - Canary Is.
- R *Sideritis phlomoides* Boiss. & bal. 12840  
R 12840 Turkey 12840
- R *Sideritis phrygia* Bornm. 12840  
R 12840 Turkey 12840
- R *Sideritis pisidica* (Boiss. & Heldr.) Bentham 12840  
R 12840 Turkey 12840
- V *Sideritis pumila* (Christ) Mendoza-Heuer  
V Spain - Canary Is.
- R *Sideritis reverchonii* Willk. 20171  
R Spain
- R *Sideritis rubiflora* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Sideritis serrata* Cav. ex Lag. 8000, 20171  
R 20874 Spain (Albacete) 8000
- R *Sideritis serratifolia* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Sideritis stachydioides* Willk. 20171  
R Spain
- R *Sideritis stricta* (Boiss. & Heldr.) Bentham 12840  
R 12840 Turkey 12840
- V *Sideritis sventenii* (Kunkel) Mendoza-Heuer 20750  
V 20750 Spain - Canary Is. 19174
- R *Sideritis tmolea* Davis 12840  
R 12840 Turkey 12840
- R *Sideritis trojana* Bornm. 12840  
R 12840 Turkey 12840
- R *Sideritis vulcanica* Huber-Mor. 12840  
R 12840 Turkey 12840
- I *Solenostemon koulensis* (Hutch. & Dalz.) J.K. Morton 7926  
I Côte d'Ivoire (Mt. Dourou, Sassandra) 7926



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Solenostemon*

- V *Stachydeoma graveolens* (Chapman ex Gray) Small 20850  
V 20850 U.S. - Florida 20850
- R *Stachys albanica* Markgr. 20178, 20171  
R 20178 Albania 20178
- R *Stachys aleurites* (Boiss. & Heldr.) Benth. 12840  
R 12840 Turkey 12840
- R *Stachys amanica* Davis 12840  
R 12840 Turkey 12840
- R *Stachys annua* (L.) L. ssp. *cilicica* (Boiss.)  
Bhattacharjee 12840  
R 12840 Turkey 12840
- R *Stachys antalyensis* Ayasligil & Davis 12840  
R 12840 Turkey 12840
- R *Stachys bayburtensis* Bhattacharjee &  
Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Stachys beckeana* Dörf. & Hayek 20178, 20171  
R 20178 Albania 20178  
R (former) Yugoslavia 20178
- R *Stachys bombycina* Boiss. 12840  
R 12840 Turkey 12840
- R *Stachys burgsdorffiioides* (Benth.) Boiss. ssp.  
*ladanoides* Hand.-Mazz. 12840  
R 12840 Turkey 12840
- E *Stachys butlerii* R. Mill. 12840  
E 12840 Turkey 12840
- R *Stachys candida* Bory & Chaub. 20171  
R Greece
- R *Stachys canescens* Bory & Chaub. 20171  
R Greece
- R *Stachys cataonica* Bhattacharjee & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Stachys chasmosericea* Ayasligil & Davis 12840  
R 12840 Turkey 12840
- R *Stachys choruhensis* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Stachys chrysantha* Boiss. & Heldr. 20171  
R Greece
- R *Stachys clingmanii* Small 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Indiana 20850  
E 20850 U.S. - Maryland 20850  
Ex/E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Virginia 20850  
I 20850 U.S. - West Virginia 20850
- R *Stachys cretica* L. ssp. *trapezuntica*  
Rech.f. 12840  
R 12840 Turkey 12840
- R *Stachys decumbens* Pers. 20178, 20171  
R 20178 Albania 20178  
R Greece 20178
- R *Stachys distans* Benth. var. *cilicica*  
Bhattacharjee & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Stachys euadenia* Davis 12840  
R 12840 Turkey 12840
- R *Stachys euboica* Rech.f. 20171  
R Greece
- I *Stachys grantii* Battand.  
I Morocco
- R *Stachys guyoniana* de Noe 10488  
R 14958 Algeria 10488
- R *Stachys huber-morathii* Bhattacharjee 12840  
R 12840 Turkey 12840
- E *Stachys hyssopifolia* Michaux var. *lythroides*  
(Small) J. Nelson 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R *Stachys inanis* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840
- R *Stachys ionica* Halácsy 20171  
R Greece
- R *Stachys macrotricha* Rech.f. & Goulimy 20171  
R Greece
- R *Stachys megalodonta* Hausskn. & Bornm. ex Davis ssp.  
*ardinensis* Bhattacharjee 12840  
R 12840 Turkey 12840
- R *Stachys mialhesi* de Noe 10488  
R 14958 Algeria 10488
- R *Stachys munzurdaghensis* Bhattacharjee 12840  
R 12840 Turkey 12840
- R *Stachys parolinii* Vis. 20171  
R Greece
- R *Stachys pinardii* Boiss. 12840  
R 12840 Turkey 12840
- R *Stachys pseudopinardii* Bhattacharjee &  
Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Stachys pumila* Banks & Sol. 12840  
R 12840 Turkey 12840
- R *Stachys ramosissima* Montbret & Aucher ex  
Benth. 12840  
R 12840 Turkey 12840
- R *Stachys rizeensis* Bhattacharjee 12840  
R 12840 Turkey 12840
- R *Stachys sericantha* Davis 12840  
R 12840 Turkey 12840
- R *Stachys spreitzenhoferi* Heldr. 20171  
R Greece
- R *Stachys spruneri* Boiss. ex Benth. 20171  
R Greece
- R *Stachys subnuda* Montbret & Aucher ex Benth. 12840  
R 12840 Turkey 12840
- R *Stachys swainsonii* Benth. 20171  
R Greece
- Ex/E *Stachys talyschensis* Kapeller 5942  
Ex/E 5942 Azerbaijan 5942
- R *Stachys tetragona* Boiss. & Heldr. 20171  
R Greece
- R *Stachys tournefortii* Poir. 20171  
R Greece  
V Libya
- R *Stachys tundjeliensis* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Stachys virgata* Bory & Chaub. 20171  
R Greece
- I *Stachys zeyheri* Skan 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Stachys*

- I 20604 South Africa - Cape Province 20604
- Ex/E *Stachys zoharyana* Eig 8895  
Ex/E Israel (Sharon Plain; Mt Carmel) 8895
- E *Stenogyne angustifolia* Gray 20850  
E 20850 U.S. - Hawaii 20850
- E *Stenogyne angustifolia* A. Gray var. *angustifolia* 20850, 14209  
I 20850 U.S. - Hawaii (Moloka`i, Maui, Hawai`i) 20850
- E *Stenogyne bifida* Hbd. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V *Stenogyne calycosa* Sherff 20850, 14209  
I 20850 U.S. - Hawaii (Maui) 20850
- E *Stenogyne campanulata* Weller & Sakai 20850, 14209  
E 20850 U.S. - Hawaii (Maui) 20850
- Ex/E *Stenogyne cinerea* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- Ex/E *Stenogyne cranwelliae* Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kohala Mts.) 20850
- Ex/E *Stenogyne haliakalae* Wawra 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O`ahu) 20850
- R *Stenogyne kaalae* Wawra 20850  
I 20850 U.S. - Hawaii 20850
- E *Stenogyne kanehoana* O. Deg. & Sherff 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts.) 20850
- V *Stenogyne macrantha* Benth. 20850  
V 20850 U.S. - Hawaii 20850
- V *Stenogyne microphylla* Benth. 20850, 14209  
V 20850 U.S. - Hawaii (Maui, Hawai`i) 20850
- Ex/E *Stenogyne oxygona* O. Deg. & Sherff 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kohala Mts.) 20850
- V *Stenogyne scrophularioides* Benth. 20850  
V 20850 U.S. - Hawaii 20850
- Ex/E *Stenogyne viridis* Hbd. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (West Maui) 20850
- V *Syncolostemon comptonii* Compton 20604, 18023  
E 20604 Swaziland 20604
- R *Tetradenia barberae* (N.E.Br.) Codd 20604  
R 20604 South Africa - Cape Province 20604
- V *Teucrium abutiloides* L'Herit. 17891  
V Portugal - Madeira 17891
- R *Teucrium alpestre* Sibth. & Sm. ssp. *gracile* (Barbey & Fors.-Major) D.Wood 20171  
R 20731 Greece - Crete (inc. Karpathos, Saria, Kasos) 20731
- R *Teucrium alyssifolium* Stapf. 12840  
R 12840 Turkey 12840
- R *Teucrium antitauricum* T. Ekin 12840  
R 12840 Turkey 12840
- V *Teucrium apollinis* Maire & M. Weiller  
V Libya
- R *Teucrium arduini* L. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- R *Teucrium aristatum* Pérez Lara 20171  
E 20528 France (Bouches-du-Rhône) 20528  
R 20528 Spain 20528
- R *Teucrium aroanium* Orph. ex Boiss. 20171  
R Greece
- R *Teucrium atratum* Pomel 10488  
R 14958 Algeria 10488
- R *Teucrium balfourii* Vierh. 15534  
R 15534 Yemen - Socotra 15534
- V *Teucrium barbeyanum* Asch. & Taub. ex Dur. & Barr.  
V Libya
- R *Teucrium betonicum* L'Herit. 17891  
R Portugal - Madeira 17891
- V *Teucrium brachyandrum* S. Puech 20528  
V 20528 France (Aude) 20528
- R *Teucrium buxifolium* Schreber ssp. *rivasii* (Rigual ex Greuter & Burdet) M.B. Crespo, Mateo & J. Güemes 20692  
R 20692 Spain (Alicante) 20692
- R *Teucrium carolipau* C. Vicioso ex Pau ssp. *fontqueri* (Sennen) Rivas Mart.  
R Spain
- R *Teucrium cavernarum* Davis 12840  
R 12840 Turkey 12840
- R *Teucrium charidemi* Sandwith 8000, 20171  
R Spain (south-east) 11496
- R *Teucrium chrysotrichum* Lange 20171  
R Spain
- I *Teucrium cinereum* Boiss. 20171  
I Spain
- R *Teucrium cossonii* D. Wood ssp. *cossonii* 20645  
R Spain - Balearic Is.
- R *Teucrium cossonii* D. Wood ssp. *fontqueri* Llorens  
R Spain - Balearic Is.
- R *Teucrium cossonii* D.Wood ssp. *panicum* Mayol, Mus & Rosselló 20659  
R 20645 Spain - Balearic Is. 20645
- R *Teucrium cuneifolium* Sibth. & Sm. 20171  
R 20731 Greece - Crete 20731
- R *Teucrium dealianum* Emberger & Maire  
R Morocco
- R *Teucrium faurei* Maire  
R Morocco
- V *Teucrium francisci-wernerii* Rech.f. 20171  
V Greece
- R *Teucrium gattefossei* Emberger  
R Morocco
- R *Teucrium gypsophilum* Emberger & Maire  
R Morocco
- R *Teucrium halacsyanum* Heldr. 20171  
R Greece
- V *Teucrium heterophyllum* L'Herit.  
E Portugal - Madeira  
V Spain - Canary Is.
- R *Teucrium hifacense* Font Quer 20171  
R 20692 Spain (north-east of Alicante province) 20692
- R *Teucrium intricatum* Lange 20171  
R Spain (Almeria coast)
- V *Teucrium kabylicum* Battand. 10488  
V 14958 Algeria 10488

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Teucrium*

- R** *Teucrium lanigerum* Lag. 20171  
**R** Spain
- V** *Teucrium lepiccephalum* Pau 17781, 20171  
**V** 20692 Spain (Alicante) 20874
- Ex** *Teucrium leucophyllum* Montbret & Aucher ex  
**Bentham** 12840  
**Ex** 12840 Turkey 12840
- R** *Teucrium montbretii* Benth. ssp. *heliotropifolium*  
**(Barbay)** P.H.Davis 20731  
**R** 20731 Greece 20731
- V** *Teucrium montbretii* Bentham ssp. *pamphlicum*  
**Davis** 12840  
**V** 12840 Turkey 12840
- R** *Teucrium odontites* Davis & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Teucrium paederotoides* Boiss. & Halkin 12840  
**R** 12840 Turkey 12840
- R** *Teucrium pestalozzae* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Teucrium petelotii* Doan 6057  
**R** Vietnam 6057
- V** *Teucrium plectranthoides* Gamble 11494  
**V** 11494 India - Tamil Nadu (Tirunelveli Hills)  
 11494
- V** *Teucrium polium* L. ssp. *clapae* S.  
**Puech** 20528  
**V** 20528 France (south) 20528
- R** *Teucrium polium* L. ssp. *purpurascens* (Bentham)  
**Puech**  
**V** 20528 France (south) 20528  
**R** 20528 Spain - Balearic Is. 20528
- V** *Teucrium salviastrum* Hoffmanns. & Link, non  
**Schreb.** 8000, 20171  
**V** 20076 Portugal (central mountains) 8000
- R** *Teucrium sandrasicum* O. Schwarz 12840  
**R** 12840 Turkey 12840
- V** *Teucrium santae* Quezel & Simonneau 10488  
**V** 14958 Algeria 10488
- R** *Teucrium serpylloides* Maire & M. Weiller  
**R** Morocco
- I** *Teucrium serranum* Pau  
**I** Spain
- R** *Teucrium tananicum* Maire  
**R** Morocco
- R** *Teucrium teinense* Kudo 10573  
**R** 10573 Japan 10573
- R** *Teucrium turredanum* Losa & Rivas Goday 8000, 20171  
**R** 20874 Spain (Almeria) 20874
- R** *Teucrium wernerii* Rech.f., non Emb. 20171  
**R** Morocco
- R** *Teucrium zaianum* Emberger & Maire  
**R** Morocco
- V** *Teucrium zanonii* Pampan.  
**V** Libya
- R** *Thymbra calostachya* (Rech.f.) Rech.f. 20171  
**R** 20731 Greece - Crete 20731
- R** *Thymbra sintenisii* Bornm. & Azn. ssp. *isaurica*  
**Davis** 12840  
**R** 20618 Turkey 20618
- R** *Thymbra spicata* L. var. *intricata*  
**Davis** 12840  
**R** 20618 Turkey 20618
- R** *Thymus afer* (Pau & F. Quer) Hug.-del-Vill.  
**R** Morocco
- V** *Thymus antoninae* Rouy & Coincy 8000, 20171  
**V** 14155 Spain (south-east) 8000
- R** *Thymus argaeus* Boiss. & bal. 12840  
**R** 12840 Turkey 12840
- E** *Thymus aznavourii* Velen. 12840, 20171  
**E** 14155 Turkey (Safraköy, near Istanbul) 12840
- R** *Thymus bihoriensis* Jalas 17823, 20171  
**R** 19949 Romania 19840
- R** *Thymus binervulatus* Klokov & Roussine 8000, 20171  
**R** former European USSR 8000
- R** *Thymus bornmuelleri* Velen 12840  
**R** 12840 Turkey 12840
- R** *Thymus borysthenicus* Klokov & Roussine 8001, 20171  
**R** former European USSR (Black Sea) 8001
- R** *Thymus canoviridis* Jalas 12840  
**R** 12840 Turkey 12840
- V** *Thymus capitellatus* Hoffmanns. & Link 8000, 20171  
**V** 20076 Portugal (south) 8000  
**E** 14155 Spain 14155
- R** *Thymus cappadocicus* Boiss. var.  
*cappadocicus* 12840  
**R** 12840 Turkey 12840
- R** *Thymus cappadocicus* Boiss. var. *globifer*  
**Jalas** 12840  
**R** 12840 Turkey 12840
- R** *Thymus cariensis* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Thymus carnosus* Boiss. 8000, 20171  
**R** 20874 Portugal (south) 8000  
**R** 20874 Spain 20874
- R** *Thymus convolutus* Klokov 12840  
**R** 19873 Turkey 12840
- E** *Thymus decussatus* Benth. 16168  
**E** 16168 Egypt 16168
- V** *Thymus dreatensis* Battand. 10488  
**V** 14958 Algeria 10488
- R** *Thymus granatensis* Boiss. 20171  
**R** 20660 Spain 20661
- R** *Thymus haussknechtii* Velen. 12840  
**R** 12840 Turkey 12840
- R** *Thymus hesperidum* Maire  
**R** Morocco
- V** *Thymus leucostomus* Hausskn. & Velen. var.  
*argyllaceus* Jalas 12840  
**V** 12840 Turkey 12840
- V** *Thymus leucostomus* Hausskn. & Velen var. *gypsaceus*  
**Jalas** 12840  
**V** 12840 Turkey 12840
- R** *Thymus loscosii* Wilk. 8000, 20171  
**R** 14155 Spain (North-east) 8000
- V** *Thymus lotocephalus* G. Lopez & R. Morales 20686,  
 20810  
**V** 20076 Portugal 20076
- R** *Thymus magnus* Nakai

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Labiatae: *Thymus*

- R Korea, South
- R *Thymus mastichina* (L.) L. ssp. *donyanae*  
Morales
- R Spain
- R *Thymus mentagensis* Battand.
- R Morocco
- R *Thymus nitens* Lamotte 20171
- R France (South)
- Ex *Thymus oehmianus* Ronniger & Soska 20171
- Ex (former) Yugoslavia
- R *Thymus origanoides* Webb & Berthel. 20750
- R 20750 Spain - Canary Is. 20750
- R *Thymus pectinatus* Fisch. & Mey. var. *pectinatus* 12840
- R 12840 Turkey 12840
- V *Thymus plasonii* Adamovic 17781, 20171
- V 17781 Greece (Thessaloniki) 17781
- R *Thymus pubescens* Boiss. & Kotschy var. *cratericola*  
Jalas 12840
- R 12840 Turkey 12840
- R *Thymus pulvinatus* Celak 12840
- R 12840 Turkey 12840
- R *Thymus revolutus* Celak 12840
- R 12840 Turkey 12840
- R *Thymus richardii* Pers. ssp. *ebusitanus* (Font Quer)  
Jalas 8000, 20171
- R Spain - Balearic Is. (Ibiza) 8000
- R *Thymus richardii* Pers. ssp. *nitidus* (Guss.)  
Jalas 8000, 20171
- R 18264 Italy - Sicily 18264
- I *Thymus ruiz-latorrei* C. Vicioso
- I Spain
- R *Thymus sipyleus* Boiss. var. *davisanus*  
Ronniger 12840
- R 12840 Turkey 12840
- R *Thymus spathulifolius* Hausskn. & Velen 12840
- R 12840 Turkey 12840
- V *Thymus talievii* Klok. & Schost. 8000
- V former European USSR 8000
- R *Thymus villosus* L. ssp. *villosus* 8000, 20171
- V 20076 Portugal (south) 8000
- R Spain (south west) 8000
- E *Trichostema austromontanum* H. Lewis ssp. *compactum*  
F.H. Lewis 20850
- E 20850 U.S. - California 20850
- R *Trichostema ovatum* Curran 20850
- I 20850 U.S. - California 20850
- R *Trichostema parishii* Vasey 20850
- I 20850 U.S. - California 20850
- R *Trichostema purpusii* Brandegee 9672
- R 19755 Mexico 9672
- R *Trichostema rubisepalum* Elmer 20850
- I 20850 U.S. - California 20850
- E *Trichostema suffrutescens* Kearney 20850
- I 20850 U.S. - Florida 20850
- R *Westringia angustifolia* R.Br. 20681
- R 20681 Australia - Tasmania 20681
- R *Westringia blakeana* B.Boivin 20681
- I 20681 Australia - New South Wales 20681

- I 20681 Australia - Queensland 20681
- R *Westringia brevifolia* Benth. var. *raleighii*  
(Boivin) W.M.Curtis 20681
- R 20681 Australia - Tasmania 20681
- E *Westringia crassifolia* Wakef. 20681
- E 20681 Australia - Victoria 20681
- V *Westringia cremnophila* Wakef. 20681
- V 20681 Australia - Victoria 20681
- V *Westringia davidii* Conn 20681
- V 20681 Australia - New South Wales 20681
- R *Westringia glabra* R.Br. 20681
- R 20681 Australia - New South Wales 20681
- R *Westringia grandifolia* F.Muell. ex Benth. 20681
- R 20681 Australia - Queensland 20681
- R *Westringia lucida* B.Boivin 20681
- I 20681 Australia - Capital Territory 20681
- I 20681 Australia - New South Wales 20681
- I 20681 Australia - Victoria 20681
- V *Westringia parvifolia* C.White & Francis 20681
- V 20681 Australia - Queensland 20681
- V *Westringia rupicola* S.T.Blake 20681
- V 20681 Australia - Queensland 20681
- R *Westringia saxatilis* Conn 20681
- R 20681 Australia - New South Wales 20681
- R *Westringia sericea* B.Boivin 20681
- I 20681 Australia - New South Wales 20681
- I 20681 Australia - Queensland 20681
- V *Wrixonia schultzii* (Tate) Carrick 20681
- V 20681 Australia - Northern Territory 20681
- R *Ziziphora acinoides* L. 20171
- R Spain
- R *Ziziphora serpyllacea* M. Bieb. 8001
- R Asiatic U.S.S.R. (Caucasus) 8001
- R *Ziziphora taurica* M. Bieb. ssp. *cleonioides*  
(Boiss.) Davis 12840
- R 12840 Turkey 12840

Lacistemataceae

Number of genera:	2
Number of species:	20
Recorded threatened species:	7 (35%)

Tropical America.

- R *Lacistema krukovii* Sleumer 20883
- I 20883 Brazil 20883
- I 20883 Colombia 20883
- V *Lacistema lucidum* Schnizlein 20883
- I 20883 Brazil 20883
- V *Lacistema macbridei* Baehni 20883
- I 20883 Peru 20883
- R *Lacistema nena* Macbride 20883
- I 20883 Brazil 20883
- I 20883 Peru 20883
- R *Lacistema robustum* Schnizlein 20883
- I 20883 Brazil 20883
- E *Lacistema serrulatum* Martius 20883
- I 20883 Brazil 20883
- R *Lozania klugii* (Mansfeld) Mansfeld 20883
- I 20883 Brazil 20883
- I 20883 Colombia 20883
- I 20883 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lacistemataceae: *Lozania*

**Lactoridaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

San Juan Islands (Chile).

V *Lactoris fernandeziana* Philippi 19116  
 V 19125 Chile - Juan Fernandez Is. 19116

**Lardizabalaceae**

Number of genera: 8  
 Number of species: 30  
 Recorded threatened species: 5 (16%)

Himalayas to Southeast Asia; Chile.

R *Akebia chingshuiensis* Shimizu 20511  
 R 20511 Taiwan 20511  
 R *Holboellia chapaensis* Gagnepain 6057  
 R Vietnam 6057  
 I *Stauntonia formosana* Hayata 20511  
 I 20511 Taiwan 20511  
 I *Stauntonia keitaoensis* Hayata 20511  
 I 20511 Taiwan 20511  
 R *Stauntonia purpurea* Y.C.Liu & F.Y.Lu 20511  
 R 20511 Taiwan 20511

**Lauraceae**

Number of genera: 30-50  
 Number of species: 2,000  
 Recorded threatened species: 259 (12%)

Tropical and subtropical.

V *Actinodaphne albifrons* Kosterm. 10252  
 V 12838 Sri Lanka 10252  
 E *Actinodaphne bourneae* Gamble  
 E 13883 India - Tamil Nadu (Kodaikanal, Palani hills) 13883  
 I *Actinodaphne campanulata* Hook.f. var. *campanulata*  
 I India - Tamil Nadu (Tirunelveli Hills)  
 I *Actinodaphne campanulata* Hook.f. var. *obtusata* Gamble  
 I India - Kerala (Travancore) 9315  
 E *Actinodaphne lanata* Meissner  
 E 13883 India - Tamil Nadu (Nilgiri Hills) 13883  
 R *Actinodaphne lawsonii* Gamble 13883  
 R 13883 India - Kerala (south-east Wynaad) 13883  
 R 13883 India - Tamil Nadu (Nilgiris) 13883  
 I *Actinodaphne salicina* Meissner  
 I India - Tamil Nadu (Sispara, Nilgiri hills)  
 R *Adenodaphne spathulata* Kosterm.  
 R New Caledonia  
 R *Aiouea acarodomatifera* Kostermans 20883  
 I 20883 Brazil 20883  
 ? Brazil - Minas Gerais 20926  
 ? Brazil - Rio de Janeiro 20926  
 ? Brazil - Santa Catarina 20926  
 E *Aiouea angulata* Kostermans 20883  
 E 20883 Colombia (Boyaca) 20926  
 R *Aiouea benthamiana* Mez 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883  
 V *Aiouea bracteata* Kostermans 20883  
 V 20883 Brazil 20883  
 ? Brazil - Sao Paulo 20926  
 R *Aiouea dubia* (Humboldt, Bonpland & Kunth) Mez 20883  
 I 20883 Colombia 20883  
 I 20883 Peru 20883  
 I 20883 Venezuela (Meridá) 20926  
 R *Aiouea guatemalensis* (Lundell) Renner 20883, 11558  
 I 20883 Guatemala 20883  
 R *Aiouea impressa* (Meissner) Kostermans 20883  
 I 20883 Brazil 20883  
 ? Brazil - Pará 20926  
 I 20883 French Guiana 20883  
 R *Aiouea inconspicua* van der Werff 20883  
 I 20883 Mexico 20883  
 R *Aiouea lehmannii* (O. C. Schmidt) Renner 20883  
 I 20883 Brazil 20883  
 ? Brazil - Acre 20926  
 I 20883 Colombia (Chocó & Valle) 20926  
 E *Aiouea macedoana* Vattimo 20883  
 E 20883 Brazil 20883  
 ? Brazil - Goias 20926  
 R *Aiouea parvissima* (Lundell) Renner 20883, 10297  
 I 20883 Guatemala (Petén) 20926  
 R *Aiouea piauhensis* (Meissner) Mez 20883  
 I 20883 Brazil 20883  
 ? Brazil - Goias 20926  
 ? Brazil - Mato Grosso 20926  
 ? Brazil - Piaui 20926  
 R *Alseodaphne birmanica* Kosterm 19120  
 R 19120 Thailand 19120  
 E *Alseodaphne rugosa* Merr. & Chun 11139  
 E China - Hainan Is. 11139  
 I *Alseodaphne semecarpifolia* Nees var. *angustifolia* Meissner  
 I India - Tamil Nadu  
 R *Alseodaphne siamensis* Kosterm. 19120  
 R 19120 Thailand 19120  
 E *Aniba bracteata* Mez 10199  
 E Dominica 10199  
 R *Aniba excelsa* Kostermans 20883  
 I 20883 Guyana 20883  
 I 20883 Venezuela 20883  
 V *Aniba ferrea* Kubitzki 20883  
 V 20883 Brazil 20883  
 E *Aniba ferruginea* Kubitzki 20883  
 E 20883 Venezuela (Amazonas) 20926  
 V *Aniba intermedia* (Meissner) Mez 20883  
 I 20883 Brazil 20883  
 V 20883 Brazil - Bahia 20926  
 E *Aniba lancifolia* Kubitzki & Rodrigues 20883  
 E 20883 Brazil 20883  
 E 20883 Brazil - Amazonas 20926  
 V *Aniba novo-granatensis* Kubitzki 20883  
 I 20883 Colombia 20883  
 E *Aniba pedicellata* Kostermans 20883  
 E 20883 Brazil 20883  
 E 20883 Brazil - Rio de Janeiro 20926  
 E *Aniba percoriacea* C. K. Allen 20883  
 E 20883 Suriname 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Aniba*

- R** *Aniba permollis* (Nees) Mez 20883  
 I 20883 Brazil 20883  
 I 20883 Brazil - Amazonas 20926  
 I 20883 Guyana 20883
- V** *Aniba ramageana* Mez 20883, 10199  
 I 20883 Dominica 20883  
 I 19001 Martinique (La Grande Rivière) 20883
- R** *Aniba robusta* (Klotzsch & Karsten) Mez 20883  
 I 20883 Venezuela 20883
- E** *Aniba rosaeodora* Ducke 17746  
 ? Brazil - Amapa 20926  
 E 17746 Brazil - Amazonas 17746  
 E 17746 Brazil - Pará 17746  
 E 10370 Colombia 10370  
 E 10370 Ecuador 10370  
 E 10370 French Guiana 17462  
 ? Guyana 20926  
 E 10370 Peru 10370  
 E 10370 Suriname 17462  
 ? Venezuela (Amazonas) 20926
- V** *Aniba santalodora* Ducke 20883  
 I 20883 Brazil 20883  
 ? Brazil - Amazonas 20926
- E** *Aniba vaupesiana* Kubitzki 20883  
 E 20883 Colombia (Vaupés) 20926
- R** *Aniba venezuelana* Mez 20883  
 V 20883 Costa Rica 20883  
 I 20883 Colombia (Chocó) 20926  
 I 20883 Venezuela (Carabobo) 20926
- V** *Apollonias ceballosi* Svent. 20750  
 V 20750 Spain - Canary Is. 20750
- R** *Beilschmiedia ambigua* Robyns & R. Wilczek 19358  
 R 19358 Zaire (Haut-Katanga) 19358
- V** *Beilschmiedia berteroa* (Gay) Kosterm. 20883, 15088  
 V 20883 Chile 20883
- I** *Beilschmiedia bourdillonii* Brandis  
 I India - Karnataka (South Canara)  
 I India - Kerala (Travancore)
- R** *Beilschmiedia bracteata* Robyns & R. Wilczek 19358  
 R 19358 Zaire (central Forestier) 19358
- R** *Beilschmiedia castrisinesis* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- R** *Beilschmiedia giorgii* Robyns & R. Wilczek 19358  
 R 19358 Zaire (central Forestier) 19358
- R** *Beilschmiedia miersii* (Gay) Kosterm. 20883, 15088  
 R 20883 Chile 20883
- I** *Beilschmiedia nigrifolia* Elm. 13833  
 I 13833 Philippines (Palawan) 13833
- R** *Beilschmiedia oligandra* S.Smith 20681  
 R 20681 Australia - Queensland 20681
- R** *Beilschmiedia peninsularis* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- V** *Beilschmiedia ugandensis* Rendle 21116  
 V 21116 Sudan 21116  
 V 21116 Tanzania 21116  
 V 21116 Uganda 21116  
 V 21116 Zaire 21116
- R** *Beilschmiedia vermoesenii* Robyns & R. Wilczek 19358  
 R 19358 Zaire (Mayumbe) 19358
- R** *Beilschmiedia volckii* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- I** *Beilschmiedia wightii* (Nees) Benth. ex Hook.f.  
 I India - Kerala (Travancore Hills)
- I** India - Tamil Nadu
- V** *Beilschmiedia zeylanica* Trimen 10276  
 V 12838 Sri Lanka 10276
- V** *Caryodaphnopsis burgeri* Zamora & Poveda 20883, 12477  
 E 19943 Costa Rica 20883
- R** *Caryodaphnopsis fosteri* Henk van der Werff 20883  
 I 20883 Peru 20883
- V** *Caryodaphnopsis inaequalis* (A.C. Smith) van der Werff & Richter 20883  
 I 20883 Brazil 20883  
 I 20883 Ecuador 20883  
 I 20883 Peru 20883
- Ex** *Cassytha pedicellosa* J.Weber 20681, 14223  
 Ex 20681 Australia - Tasmania 20681
- R** *Cinnamomum baileyana* (Bailey) W.D.Francis 20681  
 R 20681 Australia - Queensland 20681
- R** *Cinnamomum brevipedunculatum* Chang  
 R 20854 Taiwan (Heng-ch'un) 20854
- E** *Cinnamomum capparu-coronde* Blume 11103  
 E 12838 Sri Lanka (Hinidumkande) 11103
- I** *Cinnamomum citriodorum* Thwaites 10252  
 I 16162 Sri Lanka 10252
- I** *Cinnamomum glanduliferum* Meisson 7771  
 I 14761 India - Uttar Pradesh 7771
- R** *Cinnamomum kanahirai* Hay. 20511  
 R 20511 Taiwan 20511
- E** *Cinnamomum kotoense* Kaneh. & Sas. 14961  
 E 20854 Taiwan (Botel Tobago) 14961
- R** *Cinnamomum macrocarpum* Hook.f.  
 R 18228 India - Tamil Nadu (Nilgiri Hills) 18228
- E** *Cinnamomum mairei* Leveille 17617  
 E 17617 China - Sichuan 11139  
 E 17617 China - Yunnan (Saotong; Daguang; Yiling) 11139
- V** *Cinnamomum mindanaense* Elmer 10278  
 V Philippines 10278
- R** *Cinnamomum osmophloeum* Kaneh. 20511  
 R 20854 Taiwan 20511
- R** *Cinnamomum perrottetii* Meissner 4988  
 R 18228 India - Tamil Nadu (Nilgiri Hills) 4988
- R** *Cinnamomum propinquum* Bailey 20681  
 R 20681 Australia - Queensland 20681
- E** *Cinnamomum pseudomelastoma* 20854  
 E 20854 Taiwan 20854
- R** *Cinnamomum reticulatum* Hayata 20511  
 R 20511 Taiwan (Heng-ch'un) 20511
- R** *Cinnamomum riparium* Gamble  
 R 18341 India - Karnataka (Coorg) 18228  
 R 18341 India - Kerala (Travancore Hills) 18228  
 R 18341 India - Tamil Nadu 18228
- V** *Cinnamomum travancoricum* Gamble  
 V 18228 India - Kerala 18228
- R** *Cryptocarya bellendenkerana* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- E** *Cryptocarya biripinerva* Kosterm. 20893  
 E 20893 New Caledonia 20893
- R** *Cryptocarya claudiana* B.Hyland 20681  
 R 20681 Australia - Queensland 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Cryptocarya*

- R** *Cryptocarya dorrigoensis* B.Hyland & Floyd 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Cryptocarya ferrarsii* King 14782  
**I** 14782 India - Andaman Is. (Middle) 7771
- R** *Cryptocarya floydii* Kosterm. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Cryptocarya foetida* R.Baker 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Cryptocarya glaucocarpa* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- I** *Cryptocarya gregsonii* Maiden  
**I** 14226 Australia - NSW - Lord Howe Is. 14226
- R** *Cryptocarya longifolia* Kosterm.  
**R** New Caledonia
- R** *Cryptocarya louvelii* Danguy 6963  
**R** 6963 Madagascar (centre-east) 10246
- R** *Cryptocarya mannii* Hbd. 20850, 14209  
**R** 20850 U.S. - Hawaii (Kaua'i, O'ahu) 20850
- E** *Cryptocarya membranacea* Thwaites 10252  
**E** 12838 Sri Lanka 10252
- R** *Cryptocarya nova-anglica* B.Hyland & Floyd 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Cryptocarya palawanensis* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Cryptocarya pleurosperma* C.White & Francis 20681  
**R** 20681 Australia - Queensland 20681
- I** *Cryptocarya stocksii* Meissner  
**I** India - Karnataka  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu
- R** *Cryptocarya wightiana* Thwaites 10276  
**R** 12838 Sri Lanka 10276
- R** *Cryptocarya williwilliana* B.Hyland & Floyd 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Dahlgrenodendron natalense* (J.H.Ross) J.J.M.van der Merwe & A.E.van Wyk 20604  
**E** 20604 South Africa - Cape Province 20604  
**E** 20604 South Africa - Natal 20604
- I** *Dehaasia kerrii* Kosterm. 19120  
**I** 19120 Thailand 19120
- R** *Dehaasia longipedicellata* (Ridley) Kosterm.  
**R** Malaysia - Peninsular Malaysia
- R** *Dehaasia triandra* Merr. 7730  
**R** Taiwan (Lan Yu)  
**I** 15960 Philippines 7730
- V** *Dicypellium caryophyllaceum* (Mart.) Nees 21019, 21020  
**V** 17746 Brazil - Amazonas (Rio Xingu & Rio Tapajós.) 17079  
**V** 17746 Brazil - Maranhao 17079  
**V** 17746 Brazil - Pará 17079
- R** *Endiandra anthropogorum* Domin 20681  
**R** 20681 Australia - Queensland 20681
- R** *Endiandra bellendenkerana* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Endiandra collinsii* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- E** *Endiandra cooperiana* B.Hyland 20681  
**E** 20681 Australia - Queensland 20681
- R** *Endiandra dichrophylla* F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- V** *Endiandra floydii* B.Hyland 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Endiandra globosa* Maiden & Betche 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Endiandra grayi* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- V** *Endiandra hayesii* Kosterm. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Endiandra introrsa* C.White 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Endiandra jonesii* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- V** *Endiandra lecardii* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- R** *Endiandra microneura* C.White 20681  
**R** 20681 Australia - Queensland 20681
- V** *Endiandra poueboensis* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- R** *Endiandra sideroxylon* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Endiandra xanthocarpa* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- E** *Licaria bracteata* van der Werff 20883  
**I** 20883 Guatemala 20883
- I** *Licaria salicifolia* (Swartz) Kostermans 10199  
**I** Dominica 10199
- E** *Licaria sericea* (Griseb.) Kosterm. 19001  
**E** 19001 Dominica 19001  
**E** 19001 Guadeloupe 19001  
**Ex/E** 19001 Martinique 19001  
**E** 19001 St Lucia 19001
- R** *Licaria vermicosa* (Mez) Kosterm. 8679  
**R** 8679 French Guiana 8679  
**R** 8679 Guyana 8679  
**R** 8679 Suriname 8679
- V** *Lindera melissifolia* (Walt.) Blume 20850, 16005  
**Ex/E** 20850 U.S. - Alabama (Wilcox Co.) 20850  
**V** 20850 U.S. - Arkansas (Clay Co.) 20850  
**Ex/E** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia (Wheeler Co.) 20850  
**Ex/E** 20850 U.S. - Louisiana (last seen 1949) 20850  
**E** 20850 U.S. - Louisiana (Ripley Co.) 20850  
**E** 20850 U.S. - Mississippi (Sharkey Co.) 20850  
**E** 20850 U.S. - Missouri (Ripley Co.) 20850  
**E** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina (Berkeley Co.) 20850
- V** *Lindera subcoriacea* B.E. Wofford 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**V** 20850 U.S. - Virginia 20850
- R** *Litsea aestivalis* (L.) Fern. 20850  
**V** 20850 U.S. - Florida 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Litsea*

- V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Louisiana 20850  
 E 20850 U.S. - Maryland 20850  
 V 20850 U.S. - North Carolina 20850  
 R 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850  
 Ex/E 20850 U.S. - Virginia 20850
- R *Litsea auriculata* Chien & Cheng 17617  
 R 17617 China - Anhui 11139  
 R 17617 China - Jiangxi (Jiulingshan) 11139  
 R 17617 China - Zhejiang 11139
- R *Litsea bennettii* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- I *Litsea cinerea* (Elm.) Merr. 13833  
 I 13833 Philippines (Palawan) 13833
- V *Litsea dilleniifolia* P.Y. Pai & P.H. Huang 17617  
 V 17617 China - Yunnan 11139
- V *Litsea gardneri* Meissner 10276  
 V 12838 Sri Lanka 10276
- R *Litsea granitica* B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- E *Litsea imbricata* Guillaumin 20893  
 E 20893 New Caledonia 20893
- V *Litsea leiantha* (Kurz) Hook.f. 7771  
 V 14782 India - Andaman Is. (South) 7771
- R *Litsea lili* C.E. Chang 20511  
 R 20511 Taiwan 20511
- R *Litsea linii* C.E. Chang 20511  
 R 20511 Taiwan 20511
- V *Litsea longepedunculata* Kosterm. 20893  
 V 20893 New Caledonia 20893
- V *Litsea mackeei* Kosterm. 20893  
 E 20893 New Caledonia 20893
- R *Litsea miana* Guillaumin  
 R New Caledonia
- I *Litsea mysorensis* Gamble  
 I India - Karnataka  
 I India - Kerala (Wynaad)
- E *Litsea nemoralis* (Thwaites) Hook.f. 10252  
 E 12838 Sri Lanka 10252
- E *Litsea pierrei* Lecomte var. *szemois*  
 Liou 17617  
 E 17617 China - Yunnan (Jinghong, Menghai, Mengla) 11139
- R *Litsea sasaki* Kamikoti 20511  
 R 20511 Taiwan 20511
- E *Litsea stenophylla* Guillaumin 20893  
 E 20893 New Caledonia 20893
- I *Litsea travancorica* Gamble  
 I India - Kerala (Travancore Hills)
- I *Litsea undulata* Hook.f. 10252  
 I 16162 Sri Lanka 10252
- R *Machilus pseudokobu* Koidz. 8037  
 R 19135 Japan - Kazan Retto 8622  
 R 19134 Japan - Ogasawara-shoto 8037
- E *Mezilaurus caatingae* van der Werff 20883  
 I 20883 Brazil 20883
- E *Mezilaurus duckei* van der Werff 20883  
 I 20883 Brazil 20883
- E *Mezilaurus glaucophylla* van der Werff 20883, 10558  
 I 20883 Costa Rica 20883
- V *Mezilaurus mahuba* (Samp.) van der Werff 20883  
 I 20883 Costa Rica 20883  
 I 20883 Brazil 20883
- E *Mezilaurus micrantha* van der Werff 20883  
 I 20883 Brazil 20883
- E *Mezilaurus opaca* Kubitzki & van der Werff 20883  
 I 20883 Peru 20883
- E *Mezilaurus palcazuensis* van der Werff 20883  
 I 20883 Peru 20883
- E *Mezilaurus pyriflora* van der Werff 20883  
 I 20883 Brazil 20883
- E *Mezilaurus quadrilocellata* van der Werff 20883  
 I 20883 Colombia 20883
- V *Mezilaurus thoroiflora* van der Werff 20883  
 I 20883 Guyana 20883
- R *Nectandra ambigens* (Blake) C. K. Allen 20883, 11558  
 I 20883 Guatemala 20883  
 I 20883 Honduras 20883  
 I 20883 Mexico 20883
- R *Nectandra angusta* Rohwer 20883  
 R 20883 Bolivia (Cochabamba; Santa Cruz & Tarija) 20927
- E *Nectandra apiculata* Rohwer 20883  
 E 20883 Bolivia (Cochabamba) 20927
- E *Nectandra astyla* Rohwer 20883  
 E 20883 Peru (San Martin) 20927
- R *Nectandra aurea* Rohwer 20883  
 I 20883 Venezuela (Orinoco river banks) 20927
- V *Nectandra barbellata* Coe-Teixeira 20883  
 V 20883 Brazil 20883  
 ? Brazil - Espirito Santo 20927  
 ? Brazil - Sao Paulo 20927
- R *Nectandra bartlettiana* Lasser 20883  
 R 20883 Venezuela (Barinas; Portuguesa & Zulia) 20927
- E *Nectandra bicolor* Rohwer 20883  
 I 20883 Panama (Cerro Jefe) 20926
- R *Nectandra brittonii* Mez 20883  
 I 20883 Bolivia (La Paz) 20927  
 I 20883 Peru (San Martin & Pasco) 20927
- E *Nectandra brochidodroma* Rohwer 20883  
 E 20883 Peru (Madre de Dios) 20927
- E *Nectandra canaliculata* Rohwer 20883  
 E 20883 Ecuador (Napo) 20927
- E *Nectandra caudatoacuminata* O. C. Schmidt 20883  
 E 20883 Haiti (Massif de la Hotte, Les Roseaux) 21008
- E *Nectandra cerifolia* Rohwer 20883  
 E 20883 Ecuador (Cordillera de Cutucú) 20927
- R *Nectandra citrifolia* Rusby 20883  
 I 20883 Bolivia (La Paz) 20927  
 I 20883 Peru (San Martin) 20927
- R *Nectandra coeloclada* Rohwer 20883  
 I 20883 Ecuador (Napo & Morona-Santiago) 20927
- E *Nectandra cordata* Rohwer 20883  
 E 20883 Peru (Loreto) 20927
- V *Nectandra crassiloba* Rohwer 20883  
 I 20883 Ecuador (Napo) 20927
- V *Nectandra dasystyla* Rohwer 20927, 21306  
 V 21306 Bolivia (Beni & Pando) 20927  
 V 21306 Ecuador 20927



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Nectandra*

- V 21306 Peru (Loreto) 20927
- E** *Nectandra debilis* Mez 20883  
 E 20883 Brazil 20883  
 ? Brazil - Espirito Santo 20927  
 ? Brazil - Rio de Janeiro 20927
- I** *Nectandra embirensis* Coe-Teixeira 20927, 21306  
 I 21306 Brazil - Amazonas 20927  
 I 21306 Ecuador 20927  
 I 21306 Peru (Loreto) 20927
- E** *Nectandra filiflora* Rohwer 20883  
 E 20883 Peru (Loreto) 20927
- E** *Nectandra fragrans* Rohwer 20883  
 E 20883 Ecuador (Cordillera de Cutucu) 20927
- E** *Nectandra fulva* Rohwer 20883  
 E 20883 Venezuela (Amazonas) 20927
- R** *Nectandra gracilis* Rohwer 20883  
 I 20883 Ecuador (Napo; Pastaza) 20927  
 I 20883 Peru (Loreto) 20927
- E** *Nectandra grisea* Rohwer 20883  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 20927
- V** *Nectandra guaripito* Rohwer 20883  
 I 20883 Colombia (Nariño) 20927  
 I 20883 Ecuador (Esmeraldas) 20927
- E** *Nectandra herrerae* O. C. Schmidt 20883  
 E 20883 Peru (Machu Picchu) 20927
- V** *Nectandra heterotricha* Rohwer 20883  
 I 20883 Peru (Loreto) 20927
- R** *Nectandra hirtella* Rohwer 20883  
 I 20883 Peru (Pasco & San Martín) 20927
- E** *Nectandra hypoleuca* Hammel 20883  
 E 20883 Costa Rica (La Selva Field Station) 20927
- E** *Nectandra impressa* Mez 20883  
 E 20883 Brazil 20883
- I** *Nectandra japurensis* Nees 20927, 21306  
 I 21306 Brazil - Amazonas 20927  
 I 21306 Peru 20927
- R** *Nectandra krugii* Mez 20883, 10199  
 I 20883 Antigua & Barbuda 20883  
 I Dominica 20883  
 I 20883 Dominican Republic (Sierra del Baharucu) 21008  
 I 20883 Guadeloupe 20883  
 I 20883 Martinique 20883  
 I 20883 Netherlands Antilles 20883  
 I 20883 Puerto Rico 20883
- V** *Nectandra latissima* Rohwer 20883  
 V 20883 Bolivia (Beni) 20927
- E** *Nectandra leucome* Rohwer 20883  
 E 20883 Mexico 20883  
 ? Mexico - Chiapas 20927
- E** *Nectandra longipetiolata* van der Werff 20883  
 E 20883 Costa Rica (Limón) 20926
- R** *Nectandra matogrossensis* Coe-Teixeira 20883  
 I 20883 Brazil 20883  
 ? Brazil - Bahia 20927  
 ? Brazil - Mato Grosso 20927
- R** *Nectandra matudai* Lundell 20883  
 R 20883 Mexico 20883  
 ? Mexico - Chiapas 20926  
 ? Mexico - Oaxaca 20926
- V** *Nectandra micranthera* Rohwer 20883
- V 20883 Brazil 20883  
 ? Brazil - Bahia 20927
- R** *Nectandra microcarpa* Meissner 20883, 20137  
 I 20883 Colombia (Antioquia) 20927  
 I 20883 Peru (San Martín) 20927
- E** *Nectandra minima* Rohwer 20883  
 E 20883 Cuba (Isla de la Juventud & the main island) 20926
- R** *Nectandra miraflores* van der Werff 20883, 11679  
 I 20883 Nicaragua (Esteli & Matagalpa) 20927
- R** *Nectandra obtusata* Rohwer 20883  
 I 20883 Colombia (Putumayo) 20927  
 I 20883 Ecuador (Imbabura; Pichincha & Zamora-Chinche) 20927
- R** *Nectandra olida* Rohwer 20883  
 I 20883 Ecuador (Morona-Santiago & Zamora-Chinche) 20927  
 I 20883 Peru (Amazonas & San Martín) 20927
- V** *Nectandra paranaensis* Coe-Teixeira 20883  
 I 20883 Brazil 20883  
 ? Brazil - Parana 20927  
 ? Brazil - Sao Paulo 20927
- V** *Nectandra parviflora* Rohwer 20883  
 I 20883 Ecuador (Pastaza) 20927  
 ? Peru (Loreto) 20927
- V** *Nectandra psammophila* Nees 20883  
 V 20883 Brazil 20883  
 ? Brazil - Bahia 20927  
 ? Brazil - Espirito Santo 20927  
 ? Brazil - Minas Gerais 20927  
 ? Brazil - Rio de Janeiro 20927
- R** *Nectandra pseudocotea* Allen & Barneby ex Rohwer 20883  
 R 20883 Peru (Loreto & San Martín) 20927
- E** *Nectandra pulchra* O. C. Schmidt 20883  
 E 20883 Haiti (Morne Rochelois) 21008
- R** *Nectandra ramonensis* Standley 20883  
 V 20883 Costa Rica (Alajuela & Puntarenas) 20927  
 I 20883 Panama (Chiriquí; Herrera; Los Santos) 20927
- I** *Nectandra reflexa* Rohwer 20927, 21306  
 I 21306 Ecuador 20927  
 I 21306 Peru 20927
- R** *Nectandra rudis* C. K. Allen 20883  
 I 20883 El Salvador 20883  
 I 20883 Guatemala 20883  
 I 20883 Mexico 20883  
 ? Mexico - Chiapas 20927
- R** *Nectandra ruforumula* Rohwer 20883  
 I 20883 Venezuela (Amazonas) 20927
- V** *Nectandra smithii* C. K. Allen 20883  
 V 20883 Costa Rica 20883  
 I 20883 Panama 20883
- R** *Nectandra sordida* Rohwer 20883  
 R 20883 Peru (Cajamarca; Junin; Loreto & Pasco) 20927
- E** *Nectandra spicata* Meissner 20883  
 E 20883 Brazil 20883  
 ? Brazil - Rio de Janeiro 20927
- E** *Nectandra subbullata* Rohwer 20883  
 E 20883 Venezuela (Mérida) 20927
- V** *Nectandra utilis* Rohwer 20883  
 I 20883 Peru (Amazonas & San Martín) 20927

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Nectandra*

- E** *Nectandra venulosa* Meissner 20883  
 E 20883 Brazil 20883  
 ? Brazil - Minas Gerais 20927
- E** *Nectandra weddellii* Meissner 20883  
 E 20883 Brazil 20883  
 ? Brazil - Rio de Janeiro 20927
- E** *Nectandra wurdackii* C. K. Allen & Barneby ex Rohwer 20883, 21306  
 E 20883 Peru (Loreto) 20927
- V** *Nectandra yarinensis* O. C. Schmidt 20883  
 V 20883 Peru (Loreto) 20927
- I** *Neolitsea andamanica* Kosterm. 7771  
 I India - Andaman Is. 7771
- R** *Neolitsea buisanensis* Yamamoto & Kamik.  
 R Taiwan (Heng-ch'un)
- R** *Neolitsea daibuensis* Kamik.  
 R Taiwan (southern mountain region)
- R** *Neolitsea gilva* Koidz. 8037  
 R 19135 Japan - Ogasawara-shoto 8037
- R** *Neolitsea hiranensis* Liu & Liao  
 R Taiwan (Heng-ch'un)
- I** *Neolitsea incana* Elm. 13833  
 I 13833 Philippines (Mt. Pulgar) 13833
- I** *Neolitsea nicobarica* Kosterm. 7771  
 I India - Nicobar Is. 7771
- I** *Neolitsea vidalii* Merr. 13780  
 I 15960 Philippines 13780
- V** *Ocotea argylei* Robyns & Wilczek 19109  
 V 20057 Kenya 19109
- R** *Ocotea basicordatifolia* Vattimo 17079  
 R 17079 Brazil - Sao Paulo (Serra de Paranapiacaba, municipio de Santo André) 17079
- V** *Ocotea catharinensis* Mez. 17079  
 V 17746 Brazil - Parana 17079  
 V 21011 Brazil - Rio de Janeiro 21011  
 V 17746 Brazil - Rio Grande do Sul 17079  
 V 17746 Brazil - Santa Catarina 17079  
 V 17746 Brazil - Sao Paulo 17079
- I** *Ocotea caudato* (O.C.Schm.) Alain 21008  
 I 21008 Haiti (Massif de la Hotte) 21008
- R** *Ocotea foetens* (Aiton) Benth. & Hook.f. 19174  
 R Portugal - Madeira  
 V 19174 Spain - Canary Is. 19174
- R** *Ocotea gabonensis* Fouilloy  
 R Gabon (Lastoursville)
- I** *Ocotea harrisii* Proctor 20883, 13336  
 I 13336 Jamaica 20883
- E** *Ocotea laevigata* (Meisn.) Marais 10082  
 E 20771 Mauritius 10082
- E** *Ocotea lancilimba* Kosterm. 10082  
 E 20771 Mauritius 10082
- V** *Ocotea langsdorffii* Mez 17079  
 V 17079 Brazil - Minas Gerais (Serra do Cipó) 21019
- E** *Ocotea mascarena* (Buchoz) Kosterm. 10082  
 E 20771 Mauritius 10082
- V** *Ocotea moschata* (Pavon ex Meisn.) Mez 20883  
 I 20883 Puerto Rico 20883
- V** *Ocotea porosa* (Nees & Martius) Barroso 10370  
 ? Argentina - Misiones 21011
- V** 17079 Brazil - Parana (Highlands) 10370  
 V 21011 Brazil - Rio de Janeiro 21011  
 V 17746 Brazil - Rio Grande do Sul 17079  
 V 17746 Brazil - Santa Catarina (Northern) 10370  
 V 17466 Brazil - Sao Paulo 17079  
 ? Paraguay 21011
- V** *Ocotea robertsoniae* Proctor 20883  
 V 20883 Jamaica 20883
- V** *Ocotea staminoides* Proctor 20883, 13336  
 V 13336 Jamaica 20883
- V** *Ocotea uxpanapana* Wendt & van der Werff 20883  
 I 20883 Mexico 20883
- R** *Persea alpigena* var. *harrisii* (Mez) Kopp 20883  
 R 20883 Jamaica 20883
- I** *Persea glabra* Van der Werff 21082  
 I 21082 Brazil - Bahia (Pico das Almas) 21082
- R** *Persea indica* (L.) Spreng. 20171  
 R Portugal - Madeira 8000  
 V Spain - Canary Is. 8000
- R** *Persea lingue* (R. et P.) Nees ex Kopp 20883, 11748  
 E 16336 Argentina  
 E 20176 Argentina - Chubut 20176  
 R 20883 Chile (Quillota Region - Chiloé Region) 21089
- V** *Persea meyeniana* Nees 20883, 15088  
 V 20883 Chile 20883
- E** *Persea nummularia* Trel. 5607
- I** *Persea philippinensis* Elmer. 7730  
 I 15960 Philippines 13780
- I** *Persea shaferei* P. Wilson 5607
- I** *Persea urbaniana* Mez 10199  
 I Dominica 10199  
 Ex/E 19001 Martinique (Piton Boucher (700-800m)) 19001
- V** *Phoebe bournei* (Hemsley) Yang 17617  
 V 17617 China - Fujian 11139  
 V 17617 China - Guangdong 11139  
 V 17617 China - Guangxi 11139  
 V 17617 China - Guizhou 11139  
 V 17617 China - Hubei 11139  
 V 17617 China - Hunan 11139  
 V 17617 China - Jiangxi 11139  
 V 17617 China - Zhejiang 11139
- V** *Phoebe chekiangensis* Shang 17617  
 V 17617 China - Fujian (Guangzhe; Shaowu) 11139  
 V 17617 China - Jiangxi (Qianshan) 11139  
 V 17617 China - Zhejiang 11139
- V** *Phoebe nanmu* (Oliver) Gamble 17617  
 V 17617 China - Xizang Zizhiq (Metue) 11139  
 V 17617 China - Yunnan 11139
- V** *Phoebe zennan* S. Lee & F.N. Wei 17617  
 V 17617 China - Guizhou 11139  
 V 17617 China - Hubei 11139  
 V 17617 China - Hunan (Longshan) 11139  
 V 17617 China - Sichuan 11139
- R** *Pleurothyrium costanense* van der Werff 20883  
 I 20883 Venezuela 20883
- E** *Pleurothyrium grandiflorum* van der Werff 20883  
 I 20883 Colombia 20883
- E** *Pleurothyrium westphalii* van der Werff 20883  
 I 20883 Guatemala 20883
- R** *Povedadaphne quadriporata* W. Burger 20883, 11999

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lauraceae: *Povedadaphne*

- R 20883 Costa Rica 20883  
**R** *Sassafras randaiense* (Hayata) Rehder 20511  
 R 20511 Taiwan 20511  
**I** *Temmodaphne thailandica* Kosterm. 19120  
 I 19120 Thailand 19120  
**V** *Umbellularia californica* (Nees) Nutt. var.  
*fresnensis* Eastw. 20850  
 I 20850 U.S. - California 20850

**Lecythidaceae**

Number of genera: 20  
 Number of species: 400  
 Recorded threatened species: 142 (35%)

Tropical, especially rain forests of South America.

- R** *Asteranthos brasiliensis* Desfontaines 20883  
 I 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883  
**E** *Cariniana ianeirensis* R. Knuth 20883, 17079  
 E 20883 Brazil 20883  
 R 17079 Brazil - Rio de Janeiro 17079  
**V** *Cariniana integrifolia* Ducke 20883  
 V 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
**E** *Cariniana kuhlmannii* Ducke 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Rondonia 9785  
**R** *Cariniana multiflora* Ducke 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883  
 I 20883 Peru 20883  
**E** *Cariniana pachyantha* A. C. Smith 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
**E** *Cariniana pauciramosa* W. Rodrigues 20883  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
**E** *Cariniana penduliflora* Prance 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Rondonia 9785  
**E** *Cariniana uaupensis* (Spruce ex Berg) Miers 20883,  
 11980  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
**R** *Corythophora labriculata* (Eyma) S.A.Mori &  
 Prance 20883  
 V 20883 Suriname 20883  
**E** *Couratari asterophora* Rizzini 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Bahia 20928  
**E** *Couratari asterotricha* Prance 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Espirito Santo 20928  
**E** *Couratari atrovinoso* Prance 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 20928  
**E** *Couratari calycina* Sandwith 20883, 11980  
 E 20883 Guyana 20883  
**R** *Couratari gloriosa* Sandwith 20883  
 I 20883 French Guiana 20883  
 I 20883 Guyana 20883

- I 20883 Suriname 20883  
**V** *Couratari longipedicellata* W. Rodrigues 20883  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 20928  
**E** *Couratari prancei* W. Rodrigues 20883, 11980  
 E 20883 Brazil 20883  
 ? Brazil - Acre 20928  
 I 21013 Peru (eastern) 20928  
**E** *Couratari pyramidata* (Vellozo) Knuth 20883  
 E 20883 Brazil 20883  
 ? Brazil - Rio de Janeiro 20928  
**R** *Couratari riparia* Sandwith 20883  
 V 20883 Guyana 20883  
**R** *Couratari sandwithii* Prance 20883, 8679  
 E 20883 Suriname 20883  
 E 20883 Venezuela 20883  
**R** *Couratari scottmorii* Prance 20883, 9783  
 E 19943 Costa Rica 20883  
 V 11980 Panama 20883  
**V** *Couratari tauari* Berg 20883  
 V 20883 Brazil 20883  
 ? Brazil - Amazonas 20928  
 ? Brazil - Pará 20928  
**E** *Couroupita cutteri* Mort. & Skutch 20883  
 I 20883 Panama 20883  
**E** *Couroupita darienensis* Pitt. 20883  
 I 20883 Panama 20883  
**V** *Couroupita nicaraguensis* DC. 20883  
 I 20883 Costa Rica 20883  
 I 20883 El Salvador 20883  
 I 20883 Nicaragua 20883  
 I 20883 Panama 20883  
**E** *Couroupita odoratissima* Seem. 20883  
 I 20883 Panama 20883  
**E** *Couroupita parviflora* Standl. 20883  
 I 20883 Panama 20883  
**R** *Eschweilera alata* A. C. Smith 20883, 11590  
 R 20883 Guyana 20883  
 R 11980 Venezuela 20883  
**V** *Eschweilera alvimii* S.A.Mori 20883, 11980  
 V 20883 Brazil 20883  
 ? Brazil - Alagoas 20928  
 ? Brazil - Bahia 20928  
 ? Brazil - Pernambuco 20928  
**V** *Eschweilera amplexifolia* S.A.Mori 20883, 11980  
 V 11980 Panama 20883  
**R** *Eschweilera antioquensis* Dugand & Daniel 20883  
 I 20883 Panama 20883  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883  
**R** *Eschweilera atropetiolata* S.A.Mori 20883  
 V 20883 Brazil 20883  
 ? Brazil - Amazonas 20928  
**E** *Eschweilera baguensis* S.A.Mori 20883  
 E 20883 Peru 20883  
**E** *Eschweilera beebei* Pitier ex S.A.Mori 20883, 11980  
 E 20883 Venezuela 20883  
**R** *Eschweilera bogotensis* R. Knuth 20883, 11980  
 V 20883 Colombia 20883  
**E** *Eschweilera boltenii* S.A.Mori 20883, 11980  
 E 20883 Suriname 20883  
 R 11980 Venezuela 11980

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lecythidaceae: *Eschweilera*

- V *Eschweilera cabrerana* Philipson 20883  
E 20883 Colombia 20883
- R *Eschweilera calyculata* Pitt. 20883, 9037  
V 9783 Costa Rica 20883  
V 9783 Panama 20883
- R *Eschweilera carinata* S.A.Mori 20883, 11980  
R 20883 Brazil 20883  
? Brazil - Amazonas 20928
- R *Eschweilera chartaceifolia* S.A.Mori 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E *Eschweilera collinsii* Pittier 9037  
E 9783 Costa Rica 9037
- E *Eschweilera compressa* (Vellozo) Miers 20883  
E 20883 Brazil 20883  
? Brazil - Rio de Janeiro 20928
- R *Eschweilera congestiflora* (R. Benoist) Eyma 20883, 8679  
I 20883 French Guiana 20883  
I 20883 Suriname 20883
- R *Eschweilera costaricensis* S.A.Mori 20883, 13864  
R 11980 Costa Rica 20883  
R 11980 Nicaragua 20883
- R *Eschweilera cyathiformis* S.A.Mori 20883  
E 20883 Brazil 20883  
? Brazil - Amazonas 20928
- V *Eschweilera eperuitorum* Sandwith 20883, 8679  
V 20883 Guyana 20883
- E *Eschweilera fanshawei* Sandwith 20883, 11980  
E 20883 Guyana 20883
- E *Eschweilera hondurensis* Standl. 20883  
E 20883 Honduras 20883  
I 20883 Panama 20883
- R *Eschweilera integricalyx* S.A.Mori 20883, 11980  
V 20883 Colombia 20883
- R *Eschweilera jacquelyniae* S.A.Mori 20883  
I 20883 Panama 20883
- E *Eschweilera klugii* R. Knuth 20883  
E 20883 Peru 20883
- E *Eschweilera longipedicellata* S.A.Mori 20883, 11980  
I 20883 Panama 20883  
E 20883 Colombia 20883
- E *Eschweilera longirachis* S.A.Mori 20883  
I 20883 Panama 20883
- E *Eschweilera macrocarpa* Pittier 20883, 11980  
E 20883 Venezuela 20883
- R *Eschweilera mexicana* Wendt, S.A.Mori & Prance 20883, 12046  
R 20883 Mexico 20883  
V 11980 Mexico - Oaxaca 12046  
V 11980 Mexico - Veracruz 12046
- R *Eschweilera microcalyx* S.A.Mori 20883, 11980  
V 20883 Colombia 20883
- E *Eschweilera neblinensis* S.A.Mori 20883, 11980  
E 20883 Venezuela 20883
- R *Eschweilera nei* S.A.Mori 20883  
I 20883 Panama 20883  
E 20883 Colombia 20883
- R *Eschweilera obversa* (Berg) Miers 20883  
R 20883 Brazil 20883  
? Brazil - Amazonas 20928  
? Brazil - Maranhao 20928
- ? Brazil - Pará 20928
- V *Eschweilera pachyderma* Cuatrecasas 20883, 11980  
R 11980 Panama 20883  
E 20883 Colombia 20883
- V *Eschweilera panamensis* Pitt. 20883, 9006  
I 20883 Panama 20883  
I 20883 Colombia 20883
- E *Eschweilera paniculata* (Berg) Miers 20883  
E 20883 Venezuela 20883
- R *Eschweilera perumbonata* Pittier 20883  
R 20883 Venezuela 20883
- E *Eschweilera piresii* S.A.Mori 20883, 11980  
E 20883 Brazil 20883
- E *Eschweilera piresii* S. A. Mori ssp. *piresii* 20883  
E 20883 Brazil 20883  
? Brazil - Pará 20928
- E *Eschweilera piresii* S. A. Mori ssp. *viridipetala* S. A. Mori 20883, 21344  
E 20883 French Guiana 20883
- E *Eschweilera potaroensis* Sandwith 20883  
E 20883 Guyana 20883
- V *Eschweilera praealta* (Sprague) Sandwith 20883, 11980  
E 20883 Colombia 20883
- R *Eschweilera pseudodecolorans* S.A.Mori 20883  
I 20883 Brazil 20883  
? Brazil - Amazonas 20928
- V *Eschweilera punctata* S.A.Mori 20883, 11980  
E 20883 Brazil 20883  
? Brazil - Acre 20928  
V 20883 Colombia 20883
- E *Eschweilera rabeliana* S.A.Mori 20883, 11980  
E 20883 Brazil 20883  
? Brazil - Amapa 20928
- E *Eschweilera reversa* Pitt. 20883  
I 20883 Panama 20883
- V *Eschweilera revoluta* S.A.Mori 20883  
E 20883 Venezuela 20883
- V *Eschweilera rhododendrifolia* (R. Knuth) A. C. Smith 20883, 11980  
V 20883 Brazil 20883  
? Brazil - Amazonas 20928
- V *Eschweilera rimbachii* Standley 20883, 19555  
E 20883 Colombia 20883  
E 20883 Ecuador 20883
- E *Eschweilera rionegrense* S.A.Mori 20883, 11980  
E 20883 Brazil 20883  
? Brazil - Amazonas 20928
- V *Eschweilera rodriguesiana* S.A.Mori 20883, 11980  
V 20883 Brazil 20883  
? Brazil - Amazonas 20928
- R *Eschweilera roraimensis* S.A.Mori 20883, 11980  
I 20883 Brazil 20883  
? Brazil - Roraima 20928  
R 11980 Venezuela 20883
- V *Eschweilera rufifolia* S.A.Mori 20883  
V 20883 Peru 20883
- V *Eschweilera sclerophylla* Cuatrecasas 20883, 11980  
V 20883 Colombia 20883
- V *Eschweilera squamata* S.A.Mori 20883, 11980  
V 20883 French Guiana 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lecythidaceae: *Eschweilera*

- E** *Eschweilera subcordata* S.A.Mori 20883, 11980  
**E** 20883 Brazil 20883  
 ? Brazil - Pará (Marajó Is.) 20928
- E** *Eschweilera tetrapetala* S.A.Mori 20883, 11980  
**E** 20883 Brazil 20883  
 ? Brazil - Bahia 20928
- V** *Eschweilera venezuelica* S.A.Mori 20883, 11980  
**E** 20883 Venezuela 20883
- V** *Eschweilera woodsoniana* Dwyer 9784  
**V** 9783 Panama 9784
- V** *Foetidia mauritiana* Lam. 10082  
**E** 14234 Réunion 10082  
**V** 20771 Mauritius 10082
- E** *Foetidia rodriguesiana* F. Friedmann 10082  
**E** 5852 Mauritius - Rodrigues 5852
- R** *Grias colombiana* Cuatrecasas 20883, 11980  
**E** 11980 Colombia 20883
- V** *Grias haughtii* R. Knuth 20883, 11980  
**V** 20883 Colombia 20883
- V** *Grias multinervia* Cuatrecasas 20883, 11980  
**E** 20883 Colombia 20883  
**E** 20883 Ecuador 20883
- R** *Grias peruviana* Miers 20883  
**I** 20883 Ecuador 20883  
**I** 20883 Peru 20883
- E** *Gustavia acuminata* S.A.Mori 20883  
**E** 20883 Brazil 20883  
 ? Brazil - Roraima 9785  
**V** 21013 Venezuela 9785
- V** *Gustavia acuta* S.A.Mori 20883  
**V** 20883 Venezuela 20883
- R** *Gustavia angustifolia* Bentham 20883, 19353  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- V** *Gustavia brachycarpa* Pitt. 20883, 9785  
**R** 11980 Costa Rica 20883  
**R** 11980 Panama 20883
- E** *Gustavia coriacea* S.A.Mori 20883, 11980  
**E** 20883 Venezuela 20883
- V** *Gustavia dodsonii* S.A.Mori 20883, 11980  
**V** 20883 Ecuador 20883
- R** *Gustavia dubia* (Kunth) Berg 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- V** *Gustavia erythrocarpa* S.A.Mori 20883  
**V** 20883 Brazil 20883  
 ? Brazil - Pará 9785
- V** *Gustavia excelsa* R. Knuth 20883, 14750  
**V** 20883 Colombia 20883
- V** *Gustavia flagellata* S.A.Mori 20883, 11980  
**V** 20883 Venezuela 20883
- V** *Gustavia flagellata* S. A. Mori var. *costata* S. A. Mori 20883  
**V** 20883 Venezuela 20883
- V** *Gustavia flagellata* S.A.Mori var. *flagellata* 20883  
**V** 20883 Venezuela 20883
- E** *Gustavia foliosa* Cuatrecasas 20883, 11980  
**E** 20883 Colombia 20883  
**E** 20883 Ecuador 20883
- E** *Gustavia fosteri* S.A.Mori 20883, 9785
- V** 11980 Panama 20883
- E** *Gustavia gentryi* S.A.Mori 20883, 11980  
**E** 20883 Colombia 20883
- R** *Gustavia gigantophylla* Sandwith 20883, 11980  
**R** 11980 Guyana 20883  
**R** 11980 Venezuela 20883
- V** *Gustavia gracillima* Miers 20883, 11980  
**E** 20883 Colombia 20883
- R** *Gustavia grandibracteata* Croat & S.A.Mori 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- E** *Gustavia inakuama* S.A.Mori 20883  
**E** 20883 Peru 20883
- E** *Gustavia latifolia* Miers 20883, 11980  
**E** 20883 Colombia 20883
- E** *Gustavia longifuniculata* S.A.Mori 20883, 11980  
**E** 20883 Colombia 20883
- E** *Gustavia longipetiolata* Huber 20883  
**E** 20883 Brazil 20883  
 ? Brazil - Pará 9785
- R** *Gustavia macarenensis* ssp. *paucisperma* S.A.Mori 20883  
**V** 20883 Venezuela 20883
- V** *Gustavia monocaulis* S.A.Mori 20883, 9785  
**R** 11980 Panama 20883
- R** *Gustavia nana* Pitt. 20883  
**I** 20883 Panama 20883
- V** *Gustavia nana* Pittier ssp. *nana* 20883, 9785  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- R** *Gustavia nana* Pitt ssp. *rhodantha* (Standl.) S.A. Mori 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- V** *Gustavia parviflora* S.A.Mori 20883  
**V** 20883 Venezuela 20883
- E** *Gustavia petiolata* S.A.Mori 20883, 11980  
**E** 20883 Colombia 20883
- V** *Gustavia pubescens* Ruiz & Pavon ex Berg 20883, 11980  
**V** 11980 Colombia 11980  
**V** 20883 Ecuador 20883
- V** *Gustavia romeroi* S.A.Mori & Garcia-Barriga 20883, 11980  
**V** 20883 Colombia 20883
- R** *Gustavia santanderiensis* R. Knuth 20883, 11980  
**I** 20883 Brazil 20883  
 ? Brazil - Amazonas 9785  
**R** 11980 Colombia 20883
- E** *Gustavia serrata* S.A.Mori 20883, 11980  
**E** 20883 Ecuador 20883
- E** *Gustavia sessilis* S.A.Mori 20883, 11980  
**E** 20883 Colombia 20883
- E** *Gustavia speciosa* (Kunth) de Condolle ssp. *occidentalis* (Cuatrec.) S.A.Mori 9785, 20883, 19353  
**E** 20883 Colombia 20883
- R** *Gustavia speciosa* (Kunth) de Candolle ssp. *speciosa* 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- E** *Gustavia tejerae* R. Knuth 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lecythidaceae: *Gustavia*

- E 20883 Venezuela 20883
- E *Gustavia terminaliflora* S.A.Mori 20883  
E 20883 Peru 20883
- R *Gustavia verticillata* Miers 20883, 9785  
R 11980 Panama 20883  
R 11980 Colombia 20883
- R *Lecythis alutacea* (A. C. Smith) S.A.Mori 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883  
I 20883 Venezuela 20883
- R *Lecythis barnebyi* S.A.Mori 20883, 11980  
R 20883 Brazil 20883  
? Brazil - Amazonas 20928
- V *Lecythis brancoensis* (R. Knuth) S.A.Mori 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883
- R *Lecythis confertiflora* (A.C.Smith) S.A.Mori 18176  
R 8679 Guyana 8679
- R *Lecythis lanceolata* Poirlet 20883  
I 20883 Brazil 20883  
? Brazil - Bahia 20928  
? Brazil - Espirito Santo 20928  
? Brazil - Goias 20928  
? Brazil - Pernambuco 20928  
? Brazil - Rio de Janeiro 20928
- V *Lecythis mesophylla* S.A.Mori 20883, 9786  
I 20883 Costa Rica 20883  
I 20883 Panama 20883  
I 20883 Colombia 20883
- R *Lecythis miersiana* S.A.Mori 11980  
R 11980 Brazil 11980  
R 11980 Guyana 11980
- R *Lecythis ollaria* Loefling 20883  
I 20883 Brazil 20883  
R 20883 Venezuela 20883
- V *Lecythis parvifructa* S.A.Mori 20883  
V 20883 Brazil 20883  
? Brazil - Amazonas 20928
- R *Lecythis persistens* S.A.Mori ssp. *aurantiaca*  
S.A.Mori 20883, 11980  
R 11980 French Guiana 20883
- R *Lecythis pneumatophora* S.A.Mori 20883, 11980  
R 20883 French Guiana 20883
- R *Lecythis prancei* S.A.Mori 20883  
V 20883 Brazil 20883  
? Brazil - Amazonas 20928
- R *Lecythis retusa* Spruce ex Berg 20883  
R 20883 Brazil 20883  
? Brazil - Amazonas 20928
- R *Lecythis schomburgkii* Berg 20883, 11980  
I 20883 Brazil 20883  
? Brazil - Roraima 20928  
R 11980 Guyana 20883
- V *Lecythis schwackei* (R. Knuth) S.A.Mori 20883, 11980  
V 20883 Brazil 20883  
? Brazil - Minas Gerais 20928  
? Brazil - Rio de Janeiro 20928
- R *Lecythis serrata* S.A.Mori 20883  
R 20883 Brazil 20883  
? Brazil - Amazonas 20928  
? Brazil - Pará 20928  
? Brazil - Rondonia 20928

- R *Lecythis turyana* Pitt. 20883, 9006  
I 20883 Panama 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- E *Napoleonaea lutea* Baker f. ex Hutch. & Dalz. 7926  
E 20749 Nigeria (Eket) 7926
- E *Napoleonaea reptans* Baker f. ex Hutch. & Dalz. 7926  
E 20749 Nigeria (Eket) 7926

Leeaceae

Number of genera: 1  
Number of species: 70  
Recorded threatened species: 5 (7%)

Pantropical.

- I *Leea aquata* L.  
I India - Orissa (Ganjam forests)
- I *Leea cinera* M. Lawson  
I India - Kerala (Palghat Cherry, Malabar)
- R *Leea philippinensis* Merr.  
R Taiwan (Lan Yu & Is. Lutaog)  
V 15960 Philippines 13780
- R *Leea stipulosa* Gagnepain 6057  
R Vietnam 6057
- I *Leea venkobarrowii* Gamble  
I India - Kerala (Travancore)  
I India - Tamil Nadu

Leguminosae

Number of genera: 590  
Number of species: 12,000-14,200  
Recorded threatened species: 2206 (16%)

Cosmopolitan, especially tropical and subtropical.

- E *Abarema bigemina* (L.) Kosterm. 8021  
E 12838 Sri Lanka 8021
- R *Acacia acronastes* Pedley 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Acacia aemula* Maslin ms. ssp. *aemula* 20681  
R 20681 Australia - Western Australia 20681
- R *Acacia albizioides* Pedley 20681  
R 20681 Australia - Queensland 20681
- R *Acacia alcockii* Maslin & Whibley 20681  
R 20681 Australia - South Australia 20681
- R *Acacia ammobia* Maconochie 20681  
R 20681 Australia - Northern Territory 20681
- V *Acacia ammophila* Pedley 20681  
V 20681 Australia - Queensland 20681
- E *Acacia anegadensis* Britt. 20883  
R 15107 British Virgin Is. (Anegada) 15107  
I 20883 USA - Virgin Is. 20883
- R *Acacia ankobib* Chiov. 12346  
R 20884 Somalia (north-east) 20884
- V *Acacia anomala* Court 20681  
V 20681 Australia - Western Australia 20681
- V *Acacia aphylla* Maslin 20681  
V 20681 Australia - Western Australia 20681
- V *Acacia araneosa* Whibley 20681  
V 20681 Australia - South Australia 20681
- R *Acacia argutifolia* Maslin 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Acacia*

- R 20681 Australia - Western Australia 20681
- R *Acacia armitii* F.Muell. ex Maiden 20681  
I 20681 Australia - Northern Territory 20681  
I 20681 Australia - Queensland 20681
- R *Acacia asparagoides* Cunn. 20681  
R 20681 Australia - New South Wales 20681
- V *Acacia attenuata* Maiden & Blakely 20681  
V 20681 Australia - Queensland 20681
- R *Acacia ausfeldii* Regel 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- V *Acacia awestoniana* Cowan & Maslin 20681  
V 20681 Australia - Western Australia 20681
- V *Acacia axillaris* Benth. 20681  
V 20681 Australia - Tasmania 20681
- I *Acacia barahonensis* Urban 5642  
I Dominican Republic (Barahona) 5642
- R *Acacia barringtonensis* Tindale 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia baueri* Benth. ssp. *aspera* (Maiden & Betche) Pedley 20681  
R 20681 Australia - New South Wales 20681
- I *Acacia belairioides* Urban 11840  
I 20990 Cuba (Holguin) 11840
- R *Acacia blayana* Tindale & Court 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia brunioides* Cunn. ex G.Don ssp. *brunioides* 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Acacia brunioides* Cunn. ex G.Don ssp. *granitica* Pedley 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Acacia bucheri* Marie-Vict. 11840  
R 19105 Cuba 11840
- R *Acacia bulgaensis* Tindale & Stuart J.Davies 20681  
R 20681 Australia - New South Wales 20681
- V *Acacia bynoeana* Benth. 20681  
V 20681 Australia - New South Wales 20681
- V *Acacia caerulescens* Maslin & Court 20681  
V 20681 Australia - Victoria 20681
- R *Acacia calantha* Pedley 20681  
R 20681 Australia - Queensland 20681
- R *Acacia campbellii* Arn. 14782  
R 14782 India - Andhra Pradesh 14782
- R *Acacia cangaiensis* Tindale & Kodela 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia caraniana* Chiov. 12346  
R 20884 Somalia (north) 20884
- V *Acacia carnei* Maiden 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681
- R *Acacia cernua* 20884  
R 20884 Somalia (north) 20884
- R *Acacia chalkeri* Maiden 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia chiapensis* Saff. 9787  
R 21281 Mexico 9787
- V *Acacia chinchillensis* Tindale 20681  
V 20681 Australia - Queensland 20681
- R *Acacia chrysostricha* Tindale 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia clunies-rossiae* Maiden 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia clydonophora* Maslin ms. 20681  
R 20681 Australia - Western Australia 20681
- R *Acacia confluens* Maiden & Blakely 20681  
R 20681 Australia - South Australia 20681
- V *Acacia constablei* Tindale 20681  
V 20681 Australia - New South Wales 20681
- R *Acacia costiniana* Tindale 20681  
R 20681 Australia - New South Wales 20681
- V *Acacia courtii* Tindale & Herscovitch 20681  
V 20681 Australia - New South Wales 20681
- R *Acacia covenyi* Tindale 20681  
R 20681 Australia - New South Wales 20681
- V *Acacia cowellii* (Britton & Rose) Leon 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- E *Acacia cretacea* Maslin & Whibley 20681, 17915  
E 20681 Australia - South Australia 17915
- V *Acacia crombiei* C.White 20681  
V 20681 Australia - Queensland 20681
- E *Acacia cupeyensis* León 5607  
E 19105 Cuba (Las Tunas, Holguin) 5607
- E *Acacia curbeloi* Leon 5607  
E 19105 Cuba (Las Tunas) 5607
- V *Acacia curranii* Maiden 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Acacia daemon* Ekman & Urban 11840  
R 19105 Cuba 11840
- R *Acacia dallachiana* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Acacia dangarensis* Tindale & Kodela 20681  
R 20681 Australia - New South Wales 20681
- R *Acacia densispina* M.Thulin 20884  
R 20884 Somalia (central) 20884
- V *Acacia denticulosa* F.Muell. 20681  
V 20681 Australia - Western Australia 20681
- V *Acacia depressa* Maslin 20681  
V 20681 Australia - Western Australia 20681
- V *Acacia deuteroneura* Pedley 20681  
V 20681 Australia - Queensland 20681
- R *Acacia dodonaeifolia* Sprengel 20681  
R 20681 Australia - South Australia 20681
- R *Acacia dolichophylla* Maslin 20681  
R 20681 Australia - Northern Territory 20681
- R *Acacia empelioclada* Maslin 20681  
R 20681 Australia - Western Australia 20681
- E *Acacia enterocarpa* R.V.Smith 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V *Acacia eremophiloides* Pedley & P.Forster 20681  
V 20681 Australia - Queensland 20681
- R *Acacia flagellaris* M.Thulin 20884  
R 20884 Somalia (north-east) 20884

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Acacia*

- R** *Acacia flagelliformis* Court 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Acacia fleckeri* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia flocktoniae* Maiden 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Acacia floydii* Tindale 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Acacia forrestiana* E.Pritzel 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia forsythii* Maiden & Blakely 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acacia fulva* Tindale 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Acacia georgensis* Tindale 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Acacia gillii* Maiden & Blakely 20681  
**R** 20681 Australia - South Australia 20681
- R** *Acacia gittinsii* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia glandulicarpa* Reader 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- R** *Acacia gnidium* Benth. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia gracilifolia* Maiden & Blakely 20681  
**R** 20681 Australia - South Australia 20681
- V** *Acacia grandifolia* Pedley 20681  
**V** 20681 Australia - Queensland 20681
- R** *Acacia grisea* S.Moore 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Acacia guinetii* Maslin 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Acacia guymeri* Tindale 20681  
**V** 20681 Australia - Queensland 20681
- V** *Acacia handonis* Pedley 20681  
**V** 20681 Australia - Queensland 20681
- R** *Acacia hebeclada* DC. ssp. *chobiensis* (O.B. Miller)  
 A. Schreiber  
 ? Zambia (south-west) 20932  
 ? Zimbabwe (north-west) 20899  
**R** Botswana  
**R** Namibia - Caprivi Strip 20932
- R** *Acacia hexaneura* P.Lang & Cowan 20681  
**R** 20681 Australia - South Australia 20681
- R** *Acacia hockingsii* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- I** *Acacia hohenackeri* Craib 4988  
**I** India - Tamil Nadu 4988
- R** *Acacia holotricha* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia homaloclada* F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia howittii* F.Muell. 20681  
**R** 20681 Australia - Victoria 20681
- R** *Acacia hylonoma* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia imbricata* F.Muell. 20681  
**V** 20681 Australia - South Australia 20681
- R** *Acacia ingramii* Tindale 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acacia islana* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia iteaphylla* Benth. 20681  
**R** 20681 Australia - South Australia 20681
- R** *Acacia jackesiana* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia jonesii* F.Muell. & Maiden 20681  
**R** 20681 Australia - New South Wales 20681
- Ex** *Acacia kingiana* Maiden & Blakely 20681  
**Ex** 20681 Australia - Western Australia 20681
- V** *Acacia koaia* Hbd. 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- R** *Acacia kydrensis* Tindale 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Acacia lanuginophylla* R.Cowan & Maslin ms. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia latisejala* Pedley 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Acacia latzii* Maslin 20681  
**V** 20681 Australia - Northern Territory 20681
- V** *Acacia lauta* Pedley 20681  
**V** 20681 Australia - Queensland 20681
- E** *Acacia leptalea* Maslin ms. 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Acacia lobulata* Maslin ms. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia longipedunculata* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia lucasii* Blakely 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Acacia macnuttiana* Maiden & Blakely 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Acacia manubensis* J. Ross 12346  
**R** 20884 Somalia (north-east) 20884
- R** *Acacia matthewii* Tindale & Stuart J.Davies 20681  
**R** 20681 Australia - New South Wales 20681
- I** *Acacia mbuluensis* Brenan 19533  
**I** 5926 Tanzania (Kilimanjaro, Mbulu & Moshi) 19533
- R** *Acacia meiantha* Tindale & Herscovitch 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acacia meiosperma* (Pedley) Pedley 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia menzliei* J.Black 20681  
**V** 20681 Australia - South Australia 20681
- V** *Acacia merrickiae* Maiden & Blakely 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Acacia minuta* (L.) Willd. ssp. *minuta* 20850  
**V** 20850 U.S. - Arizona 20850
- R** *Acacia moggii* M.Thulin & M.Tardelli 20884  
**R** 20884 Somalia (central) 20884
- R** *Acacia montis-usti* Merxm. & A.Schreib. 20604, 12346  
**R** 20604 Namibia 20604



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Acacia*

- R** *Acacia ochracea* M.Thulin & A.S.Hassan 20884  
**R** 20884 Somalia (south-west) 20884
- R** *Acacia olsenii* Tindale 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acacia ommatosperma* (Pedley) Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia orites* Pedley 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Acacia pacensis* Rudd & Carter 20883  
**I** 20883 Mexico 20883
- R** *Acacia pataczekii* D.Morris 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Acacia pedleyi* Tindale & Kodala 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia pennivenia* balf.f. 12346  
**V** 15534 Yemen - Socotra 15534
- V** *Acacia perangusta* (C.White) Pedley 20681  
**V** 20681 Australia - Queensland 20681
- V** *Acacia peuce* F.Muell. 20681  
**I** 20681 Australia - Northern Territory 20681  
**I** 20681 Australia - Queensland 20681
- V** *Acacia pharangites* Maslin 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Acacia phasmoides* J.H.Willis 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Acacia phlebophylla* Williamson 20681  
**R** 20681 Australia - Victoria 20681
- E** *Acacia pinguifolia* J.Black 20681  
**E** 20681 Australia - South Australia 20681
- R** *Acacia polyadenia* (Pedley) Pedley 20681  
**R** 20681 Australia - Queensland 20681
- E** *Acacia polypyrgenes* Greenman 5607  
**E** 19105 Cuba (Cienfuegos) 5607
- E** *Acacia porcata* P.I.Forster 20681  
**E** 20681 Australia - Queensland 20681
- R** *Acacia praemorsa* P.Lang & Maslin 20681  
**R** 20681 Australia - South Australia 20681
- R** *Acacia praetermissa* Tindale 20681  
**R** 20681 Australia - Northern Territory 20681
- E** *Acacia prasinata* A. Hude 19704  
**E** 19704 Ethiopia (Wello Upland) 19704
- Ex** *Acacia prismifolia* E.Pritzel 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- E** *Acacia pseudonigrescens* Brenan & J. Ross 12346  
**E** 19704 Ethiopia (Kelafo) 20900
- V** *Acacia pubescens* (Vent.) R.Br. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Acacia pubicosta* C.White 20681  
**R** 20681 Australia - Queensland 20681
- V** *Acacia pubifolia* Pedley 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Acacia purpurepetala* Bailey 20681  
**V** 20681 Australia - Queensland 20681
- V** *Acacia pycnostachya* F.Muell. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Acacia pygmaea* Maslin ms. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia quornensis* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- V** *Acacia ramiflora* Domin 20681  
**V** 20681 Australia - Queensland 20681
- V** *Acacia rhetinocarpa* J.Black 20681  
**V** 20681 Australia - South Australia 20681
- R** *Acacia rhigiophylla* Benth. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - South Australia 20681
- R** *Acacia robynsiana* Merxm. & A.Schreib. 20604, 12346  
**R** 20604 Namibia 20604
- E** *Acacia roigii* Leon 5607  
**E** 19105 Cuba (Las Tunas) 5607
- E** *Acacia ruppii* Maiden & Betche 20681  
**E** 20681 Australia - Northern Territory 20681
- R** *Acacia sarcophylla* Chiov. 12346  
**R** 20884 Yemen - Socotra 20884  
**R** 20884 Somalia (north) 20884
- R** *Acacia saxicola* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia seifriziana* Leon 5607  
**R** 19105 Cuba (Guantanamo) 5607
- V** *Acacia semicircularis* Maiden & Blakely 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia simulans* Maslin 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Acacia spania* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia spilleriana* J.E.Brown 20681  
**R** 20681 Australia - South Australia 20681
- R** *Acacia stoyi* Tindale 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia subtilinervis* F.Muell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Acacia tanganyikensis* Brenan 19533  
**R** Tanzania (Mwanza, Singida, Dodoma) 19533
- I** *Acacia taylori* Brenan & Exell 12346  
**I** 5926 Tanzania (Lindi) 19533
- R** *Acacia tayloriana* F.Muell. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Acacia tenuinervis* Pedley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acacia tessellata* Tindale & Kodala 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acacia tolmerensis* G.J.Leach 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Acacia torrei* Brenan 7749  
**I** Mozambique 7749
- R** *Acacia turnbulliana* Brenan  
**R** Kenya 7959
- V** *Acacia undoolyana* G.Leach 20681  
**V** 20681 Australia - Northern Territory 20681
- V** *Acacia vassalii* Maslin 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Acacia velutina* var. *monadena* Hassler 20883  
**I** 20883 Argentina 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Acacia*

- I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E *Acacia venosa* Hochst. ex Benth. 19704  
E 19704 Ethiopia (West Eritrea, Tigray Upland) 19704
- R *Acacia villosa* (Sw.) Willd. 20883,  
R 20883 Jamaica 20883
- Ex *Acacia volubilis* F.Muell. 20681  
Ex 20681 Australia - Western Australia 20681
- V *Acacia wardellii* Tindale 20681  
V 20681 Australia - Queensland 20681
- E *Acacia whibleyana* Cowan & Maslin ms. 20681  
E 20681 Australia - South Australia 20681
- I *Acacia wightii* Baker  
I India - Kerala (Travancore)  
I India - Tamil Nadu (Tirunelveli Hills)
- R *Acacia williamsonii* Court 20681  
R 20681 Australia - Victoria 20681
- V *Acacia zapatensis* Urban & Ekman 5607  
V 19105 Cuba (Matanzas) 5607
- E *Adenanthera bicolor* Moon 8021  
E 12838 Sri Lanka (south-west) 8021
- I *Adenanthera intermedia* Merr. 13780  
I 15960 Philippines 13780
- E *Adenocarpus faurei* Maire 10488  
E 14958 Algeria 10488
- E *Adenocarpus ombrosus* Ceball. & Ortuno 20750  
E 20750 Spain - Canary Is. 20750
- E *Adenocarpus umbellatus* Coss. 10488  
E 14958 Algeria 10488
- I *Adenodolichos acutifoliolatus* Verdc. 19531  
I 5926 Tanzania (Kigoma) 19531
- R *Adenodolichos oblongifoliolatus* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R *Adenodolichos salviifoliolatus* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R *Adenopodia rotundifolia* (Harms) Brenan 12346  
R 20884 Somalia (south) 20884  
R 20884 Tanzania (Lushoto and Pare) 12346
- R *Adesmia arenicola* (Fries) Burkart 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Jujuy 20176
- R *Adesmia balsamica* Bertero ex Colla 13875  
R 13875 Chile 13875
- R *Adesmia burkartii* Correa 9417  
R Argentina 9417  
R Chile 9417
- V *Adesmia crassicaulis* Philippi 16336  
V 19448 Argentina 19448  
V 20176 Argentina - Catamarca 20176  
V 20176 Argentina - La Rioja 20176  
V 20176 Argentina - Salta 20176
- R *Adesmia lihuelensis* Burkart 16336  
R 16336 Argentina 16336
- R *Adesmia resinosa* Philippi 13875  
R 13875 Chile 13875
- V *Aeschynomene batekensis* Troch. & Koechlin 12346  
V Congo 11793
- I *Aeschynomene minutiflora* Taubert ssp. *grandiflora*  
Verdc. 7918
- I Mozambique 7918
- I *Aeschynomene mossambicensis* Verdc. ssp. *mossambicensis* 7918  
I Mozambique 7918
- I *Aeschynomene mossoensis* J. Leon. var. *parvifolia*  
Verdc. 19531  
I 5926 Tanzania (Mpanda) 19531
- I *Aeschynomene pleuronervia* DC. 5642  
I Dominican Republic (Santo Domingo) 5642  
I Haiti 21008
- E *Aeschynomene ruspoliana* Taub. & Harms 19704  
E 19704 Ethiopia (Sidamo) 19704
- I *Aeschynomene sansibarica* Taub. 19531  
I 5926 Tanzania (Zanzibar) 5926
- R *Aeschynomene tenuirama* Baker var. *hebecarpa*  
Verdc. 7860  
R Malawi 7860
- R *Aeschynomene upembensis* J. Léonard 19358  
R 19358 Zaire (Haut-Katanga) 19358
- V *Aeschynomene virginica* (L.) B.S.P. 20850, 14474  
Ex/E 20850 U.S. - Delaware 20850  
U.S. - Georgia  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - New Jersey 20850  
E 20850 U.S. - North Carolina 20850  
Ex 20850 U.S. - Pennsylvania 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Virginia 20850
- I *Afgekia sericea* Craib  
I Thailand
- R *Afzelia bella* Harms var. *glabra* Aubrev.  
R Congo (Makoua-Owando) 11793
- I *Albizia aylmeri* Hutch. 5908  
I 5908 Sudan 5908
- R *Albizia coreana* Nakai 15957  
R 15923 Korea, South 15957
- I *Albizia euryphylla* Harms 19533  
I 5926 Tanzania (Dodoma) 19533
- R *Albizia glabrior* (Koidz.) Ohwi 10572  
R 10572 Japan 10572
- E *Albizia guillainii* Guillaumin 20802  
E 20893 New Caledonia 20802
- E *Albizia lankaensis* Kosterm. 8021  
E Sri Lanka 8021
- R *Albizia obbiadensis* (Chiov.) Brenan 12346  
R 20884 Somalia (central & south) 20884
- V *Albizia plurijuga* (Standley) Britton & Rose 9706  
V 19850 Mexico 9706
- V *Albizia suluensis* Gerstner 20604, 15013  
V 20604 South Africa - Natal 20604
- R *Albizia tanganyicensis* Baker f. ssp. *adamsoniorum*  
Brenan 20057  
R 20057 Kenya (central) 17435
- R *Albizia thompsonii* Brandis 14782  
R 14782 India - Andhra Pradesh (Cuddapah) 14782  
R 14782 India - Orissa (Ganjam) 14782  
R 14782 India - Tamil Nadu (Coimbatore) 14782
- E *Albizia vaughanii* Brenan 10082, 21329  
E 20771 Mauritius 10082
- V *Almaleea cambagei* (Maiden & Betche) Crisp & P.H.Weston 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Almaleea*

- V 20681 Australia - New South Wales 20681
- R** *Almaleea capitata* (J.H.Willis) Crisp & P.Weston 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Victoria 20681
- R** *Almaleea incurvata* (Cunn.) Crisp & P.Weston 20681  
 R 20681 Australia - New South Wales 20681
- I** *Alysicarpus beddomei* Schindler 2268  
 I India - Tamil Nadu (Nilgiri Hills) 2268
- I** *Alysicarpus meeboldii* Schindler  
 I India - Jammu & Kashmir
- I** *Alysicarpus monilifer* (L.) DC. var. *venosus* Blatter & Hallberg  
 I India - Rajasthan 7958
- I** *Alysicarpus vaginalis* (L.) DC. var. *parviflorus* Verdc. 7918  
 I Mozambique 7918
- I** *Amherstia nobilis* Wallich 8321  
 I Myanmar 8321
- R** *Ammopiptanthus mongolicus* (Maxim.) Cheng.f. 17617  
 R 17617 China - Gansu (Mingqing; Lanzhou) 11139  
 R 17617 China - Nei Monggol Zizhiqu 11139  
 R 17617 China - Ningxia 11139
- I** *Ammopiptanthus nanus* (Popov) Cheng.f. 17617  
 I 5942 Kyrgyzstan 5942  
 E 17617 China - Xinjiang Uygur Zizhiqu (Wuqia) 11139
- R** *Amorpha georgiana* Wilbur 20850  
 E 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- V** *Amorpha georgiana* Wilbur var. *confusa* Wilbur 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- V** *Amorpha georgiana* Wilbur var. *georgiana* 20850  
 E 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- E** *Amorpha herbacea* Walt. var. *crenulata* (Rydb.) Isely 20850  
 E 20850 U.S. - Florida 20850
- R** *Amorpha laevigata* Nutt. 20850  
 I 20850 U.S. - Oklahoma 20850  
 E 20850 U.S. - Texas 20850
- R** *Amorpha ouachitensis* Wilbur 20850  
 R 20850 U.S. - Arkansas 20850  
 V 20850 U.S. - Oklahoma 20850
- R** *Amorpha schwerinii* Schneid. 20850  
 I 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Mississippi 20850  
 R 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - South Carolina 20850
- I** *Amphicarpaea anomalus* Bunge  
 I India - Jammu & Kashmir (Ladakh)
- I** *Amphicarpaea edgeworthii* Benth.  
 I India (W. Himalaya)
- I** *Amphicarpaea flemingii* Ali  
 I India - Punjab
- R** *Amphithalea rostrata* A.L.Schutte & B.-E.van Wyk 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Anagryis latifolia* Brouss. ex Willd. 17891  
 E 20750 Spain - Canary Is. 17891
- R** *Anthonotha lebrunii* (J. Léonard) J. Léonard 12346  
 R 19358 Zaire 19358
- V** *Anthonotha vignei* (Hoyle) J.Leonard 20274  
 V 20858 Côte d'Ivoire 7926  
 V 20858 Ghana 20274  
 V 20858 Liberia 7926  
 V 20858 Sierra Leone 7926
- R** *Anthyllis aegaea* Turrill 20171  
 R Greece
- R** *Anthyllis henoniana* Cosson ex Batt. ssp. *valentina* (Esteve) O.Bolòs & Vigo 20699  
 R 20692 Spain (Valencia and Albacete provinces) 20692
- V** *Anthyllis hystrix* (Willk. ex Barceló) Cardona, Contandr. & E. Sierra 20645  
 V 11496 Spain - Balearic Is. (Menorca) 17891
- E** *Anthyllis lemanniana* Lowe 17891  
 E Portugal - Madeira 17891
- V** *Anthyllis lusitanica* Cullen & Pinto da Silva 20076  
 V 20076 Portugal 20076
- R** *Anthyllis plumosa* Dominguez  
 R 20660 Spain (Malaga); Sierra Tejada, Sierra Almijara) 20661
- R** *Anthyllis rupestris* Cass. 20171  
 R 20661 Spain (Jaen) 20661
- R** *Anthyllis vulneraria* L. ssp. *variegata* (Boiss.) Cullen 12840  
 R 12840 Turkey 12840
- R** *Aotus carinata* Meisner 20681  
 R 20681 Australia - Western Australia 20681
- V** *Apios priceana* B.L. Robins. 20850  
 E 20850 U.S. - Alabama 20850  
 Ex/E 20850 U.S. - Illinois 20850  
 E 20850 U.S. - Kentucky 20850  
 I 20850 U.S. - Maryland 20850  
 E 20850 U.S. - Mississippi 20850  
 E 20850 U.S. - South Carolina 20850  
 V 20850 U.S. - Tennessee 20850
- R** *Apios taiwanianus* Hosok. 20511  
 R 20511 Taiwan 20511
- R** *Apurimacia dolichocarpa* (Griseb.) Burkart 16336  
 R 20176 Argentina - Cordoba 20176
- R** *Archidendron hirsutum* Nielsen 20681  
 R 20681 Australia - Queensland 20681
- V** *Archidendron lovelliae* (Bailey) Nielsen 20681  
 V 20681 Australia - Queensland 20681
- R** *Archidendron muellerianum* (Maiden & R.Baker) Nielsen 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- R** *Archidendron tonkinense* Nielsen 6057  
 R Vietnam 6057
- R** *Archidendron whitei* Nielsen 20681  
 R 20681 Australia - Queensland 20681
- V** *Archidendropsis glandulosa* (Guillaumin) Nielsen 20893  
 V 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Archidendropsis*

- V *Archidendropsis lentiscifolia* (Benth.) Nielsen 20893  
V 20893 New Caledonia 20893
- V *Archidendropsis paivana* (Fourn.) Nielsen 20893  
V 20893 New Caledonia 20893
- R *Archidendropsis xanthoxylon* (C.White & Francis)  
I.Nielsen 20681  
R 20681 Australia - Queensland 20681
- I *Argyrolobium barbatum* (Meisn.) Walp. 20604  
I 20604 South Africa - Cape Province 20604
- E *Argyrolobium crinitum* (E.Mey.) Walp. 20604  
E 20604 South Africa - Cape Province 20604
- R *Argyrolobium harmsianum* Schltr. ex Harms 20604  
R 20604 South Africa - Cape Province 20604
- I *Argyrolobium pachyphyllum* Schltr. 20604  
I 20604 South Africa - Cape Province 20604
- I *Argyrolobium parviflorum* T.J.Edwards 20604  
I 20604 South Africa - Cape Province 20604
- I *Argyrolobium petiolare* (E.Mey.) Walp. 20604  
I 20604 South Africa - Cape Province 20604
- I *Argyrolobium rarum* Dummer 20604  
I 20604 South Africa - Cape Province 20604
- R *Argyrolobium schimperianum* A. Rich 19704  
R 19704 Ethiopia 19704
- Ex *Argyrolobium splendens* (Meisn.) Walp. 20604  
Ex 20604 South Africa - Cape Province 20604
- R *Arthrocarpum gracile* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R *Aspalathus acanthoclada* R.Dahlgren 20604, 12346  
R 20604 South Africa - Cape Province 20604
- I *Aspalathus acanthophylla* Eckl. & Zeyh. 20604, 12346  
I 20604 South Africa - Cape Province 20604
- R *Aspalathus angustifolia* (Lam.) R.Dahlgren ssp.  
*robusta* (E.Phillips) R. Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus arenaria* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- E *Aspalathus barbiger* R.Dahlgren 20604  
E 20604 South Africa - Cape Province 20604
- V *Aspalathus bidouwensis* Garab. ex R.Dahlgren 20604  
V 20604 South Africa - Cape Province 20604
- R *Aspalathus borbonifolia* R. Dahlgren 20803  
R 20803 South Africa - Cape Province 20803
- V *Aspalathus burchelliana* Benth. 20604  
V 20604 South Africa - Cape Province 20604
- E *Aspalathus cliffortiifolia* R.Dahlgren 20604  
E 20604 South Africa - Cape Province 20604
- R *Aspalathus comptonii* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus desertorum* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus digitifolia* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- I *Aspalathus erythroides* Eckl. & Zeyh. 20604  
I 20604 South Africa - Cape Province 20604
- R *Aspalathus esterhuyseniae* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus excelsa* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus fasciculata* (Thunb.) R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- I *Aspalathus ferox* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- I *Aspalathus glabrata* R.Dahlgren 20604  
I 20604 South Africa - Cape Province 20604
- I *Aspalathus glabrescens* R.Dahlgren 20604  
I 20604 South Africa - Cape Province 20604
- I *Aspalathus globulosa* E.Mey. 20604  
I 20604 South Africa - Cape Province 20604
- E *Aspalathus grobleri* R.Dahlgren 20604  
E 20604 South Africa - Cape Province 20604
- R *Aspalathus humilis* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Aspalathus incompta* Thunb. 20604  
I 20604 South Africa - Cape Province 20604
- R *Aspalathus isolata* (R.Dahlgren) R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus karrooensis* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- I *Aspalathus lactea* Thunb. ssp. *breviloba*  
R.Dahlgren 20604  
I 20604 South Africa - Cape Province 20604
- I *Aspalathus macrantha* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- I *Aspalathus obliqua* R.Dahlgren 20604  
I 20604 South Africa - Cape Province 20604
- R *Aspalathus oliveri* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- E *Aspalathus prostrata* Eckl. & Zeyh. 20604  
E 20604 South Africa - Cape Province 20604
- V *Aspalathus repens* R.Dahlgren 20604  
V 20604 South Africa - Cape Province 20604
- R *Aspalathus rosea* Garab. ex R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- E *Aspalathus rycroftii* R.Dahlgren 20604  
E 20604 South Africa - Cape Province 20604
- I *Aspalathus singuliflora* R.Dahlgren 20604  
I 20604 South Africa - Cape Province 20604
- V *Aspalathus smithii* R.Dahlgren 20604  
V 20604 South Africa - Cape Province 20604
- R *Aspalathus spectabilis* R.Dahlgren 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus stokoei* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Aspalathus suaveolens* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Aspalathus variegata* Eckl. & Zeyh. 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- R *Aspalathus venosa* E.Mey. 20604  
R 20604 South Africa - Cape Province 20604
- R *Astragalus accidens* S.Watson var. *hendersonii* M.E.  
Jones 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- R *Astragalus accumbens* Sheldon 20850  
R 20850 U.S. - New Mexico 20850
- V *Astragalus ackermanii* Barneby 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- V 20850 U.S. - Nevada 20850
- R** *Astragalus acmophyllus* Bunge 12840  
R 12840 Turkey 12840
- R** *Astragalus adustus* Bunge 12840  
R 12840 Turkey 12840
- V** *Astragalus aequalis* Clokey 20850  
V 20850 U.S. - Nevada 20850
- E** *Astragalus agnicidus* Barneby 20850  
E 20850 U.S. - California 20850
- R** *Astragalus agraniotii* Orph. ex Boiss. 20171  
R Greece
- R** *Astragalus aintabicus* Bunge 12840  
R 12840 Turkey 12840
- R** *Astragalus akscheherensis* Freyn & Bornm. 12840  
R 12840 Turkey 12840
- E** *Astragalus albens* Greene 20850  
E 20850 U.S. - California 20850
- R** *Astragalus albicalycinus* Huber-Mor. & Mathews 12840  
R 12840 Turkey 12840
- R** *Astragalus albifolius* Freyn & Sint. 12840  
R 12840 Turkey 12840
- R** *Astragalus alindanus* Boiss. 12840  
R 12840 Turkey 12840
- V** *Astragalus alpinus* Fern. var. *brunetianus*  
Fern. 20850  
I 20850 Canada - Labrador 20850  
I 20850 Canada - New Brunswick 20850  
I 20850 Canada - Newfoundland 20850  
I 20850 Canada - Nova Scotia 20850  
I 20850 Canada - Quebec 20850  
V 20850 U.S. - Maine 20850  
Ex/E 20850 U.S. - New Hampshire 20850  
Ex 20850 U.S. - Vermont 20850
- R** *Astragalus altanii* Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Astragalus altus* Woot. & Standl. 20850  
V 20850 U.S. - New Mexico 20850
- R** *Astragalus amblytropis* Barneby 20850  
R 20850 U.S. - Idaho 20850
- R** *Astragalus amnis-amissi* Barneby ex C.L.  
Hitchc. 20850  
R 20850 U.S. - Idaho 20850
- V** *Astragalus amphioxys* A.Gray var. *musimonum*  
(Barneby) Barneby 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Nevada 20850
- V** *Astragalus ampullarius* S.Watson 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- R** *Astragalus angustiflorus* C. Koch ssp. *amanus*  
(Boiss.) Chamb. 12840  
R 12840 Turkey 12840
- R** *Astragalus anisus* M.E. Jones 20850  
V 20850 U.S. - Colorado 20850
- R** *Astragalus anni-novi* Burkart 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Chubut 20176  
R 20176 Argentina - Neuquen 20176  
R 20176 Argentina - Rio Negro 20176
- I** *Astragalus anomalus* Bunge  
I India - Jammu & Kashmir (Ladakh)
- V** *Astragalus anserinus* Atwood, Goodrich & Welsh 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus antialanticus* Emb. & Maire 12346  
R Morocco 12346
- R** *Astragalus antiochianus* Post 12840  
R 12840 Turkey 12840
- E** *Astragalus anxius* Meinke & Kaye 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- E** *Astragalus applegatei* M.E. Peck 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- V** *Astragalus aquilanus* Anzalone 17781  
V 19997 Italy (Abruzzo) 19997
- R** *Astragalus aquilonius* (Barneby) Barneby 20850  
R 20850 U.S. - Idaho 20850
- R** *Astragalus argaeus* Boiss. 12840  
R 12840 Turkey 12840
- E** *Astragalus argentinus* Manganaro 16336  
E 20176 Argentina - Buenos Aires 20176
- Ex/E** *Astragalus arianus* Gontsch. 5942  
Ex/E 5942 Turkmenistan (Southern valleys) 5942
- R** *Astragalus armeniicus* Boiss. 12840  
R 12840 Turkey 12840
- R** *Astragalus arnacantha* M.Bieb. 8000, 20171  
R Bulgaria 8000  
R 11552 Ukraine - Crimea 8000
- V** *Astragalus arrectus* A.Gray 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- R** *Astragalus atratus* S.Watson var. *inseptus*  
Barneby 20850  
R 20850 U.S. - Idaho 20850
- V** *Astragalus atratus* S.Watson var. *mensanus* M.E.  
Jones 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Astragalus atratus* S.Watson var. *owyheensis*  
(A.Nels. & J.F.Macbr.) M.E.Jones 20850  
R 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
R 20850 U.S. - Oregon 20850
- R** *Astragalus atrocarpus* Chamb. & Mathews 12840  
R 12840 Turkey 12840
- R** *Astragalus austroaegaeus* Rech.f. 20171  
R 20731 Greece - East Aegean Is (Rhodes) 20731
- R** *Astragalus autranii* Bald. 20178, 20171  
R 20178 Albania 20178
- V** *Astragalus aydosensis* Pesmen & Erik 12840  
V 12840 Turkey 12840
- I** *Astragalus azaqensis* C. Towns. 8937  
I Jordan 8937
- R** *Astragalus badachschanus* A. Boris.  
R former USSR 6930
- E** *Astragalus badamensis* Popov  
E former USSR 6930
- I** *Astragalus bakerii* Ali  
I India - Jammu & Kashmir

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- I** *Astragalus bakuensis* Bunge 5942  
**I** 5942 Azerbaijan 5942
- R** *Astragalus baldaccii* Degen 20178, 20171  
**Ex/E** 20178 Albania 20178  
**R** Greece
- I** *Astragalus balkisensis* Sirj. & Rech. 12840  
**I** 12840 Turkey 12840
- R** *Astragalus barba-jovis* DC 12840  
**R** 12840 Turkey 12840
- R** *Astragalus barbarae* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus barbeyanus* Post 12840  
**R** 12840 Turkey 12840
- R** *Astragalus barrii* Barneby 20850  
**R** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nebraska 20850  
**R** 20850 U.S. - South Dakota 20850  
**R** 20850 U.S. - Wyoming 20850
- R** *Astragalus bashkalensis* Chamb. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus baytopianus* Chamb. & Mathews 12840  
**R** 12840 Turkey 12840
- V** *Astragalus beathii* C.L. Porter 20850  
**V** 20850 U.S. - Arizona 20850
- V** *Astragalus beatleyae* Barneby 20850  
**R** 20850 U.S. - Nevada 20850
- R** *Astragalus beckwithii* Barneby var. *sulcatus*  
 Barneby 20850  
**R** 20850 U.S. - Idaho 20850
- E** *Astragalus bibullatus* Barneby & Bridges 20850, 14501  
**E** 20850 U.S. - Tennessee (Rutherford County) 20850
- I** *Astragalus bobrovii* B. Fedtsch. 5942  
**I** 5942 Uzbekistan 5942
- R** *Astragalus bombycalyx* Eig 12840  
**R** 12840 Turkey 12840
- R** *Astragalus bonariensis* Gomez-Sosa 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Buenos Aires 20176  
**R** 20176 Argentina - Rio Negro 20176
- V** *Astragalus brauntonii* Parish 20850  
**V** 20850 U.S. - California 20850
- R** *Astragalus breweri* A.Gray 20850  
**R** 20850 U.S. - California 20850
- R** *Astragalus californicus* (Gray) Greene 20850  
**R** 20850 U.S. - California 20850  
**R** 20850 U.S. - Oregon 20850
- R** *Astragalus callithrix* Barneby 20850  
**R** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850
- V** *Astragalus calycosus* Torr. ex S. Wats. var. *calycosus* 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Utah 20850  
**I** 20850 U.S. - Wyoming 20850
- V** *Astragalus calycosus* Torr. ex S. Watson var. *monophyllidius* (Rydb.) Barneby 20850
- V** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850
- R** *Astragalus camelorum* Barbey  
**R** Egypt
- R** *Astragalus camptopus* Barneby 20850  
**R** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Astragalus canescens* DC. 12840  
**R** 12840 Turkey 12840
- V** *Astragalus caprinus* L. ssp. *huetii* (Bunge) Podl. 18264  
**V** 18264 Italy - Sicily (central & south-west) 20738
- R** *Astragalus cariensis* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus castetteri* Barneby 20850  
**R** 20850 U.S. - New Mexico 20850
- R** *Astragalus caudiculosis* Boiss. & Huet 12840  
**R** 12840 Turkey 12840
- R** *Astragalus celakowskyanus* Freyn & Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus cephalotes* Banks & Bornm. var. *brevicalyx*  
 Eig 12840  
**R** 12840 Turkey 12840
- R** *Astragalus cephalotes* Banks & Bornm. var. *sintenianus* (Sirj) Chamb. & Mathews 12840  
**R** 12840 Turkey 12840
- R** *Astragalus ceramicus* Sheldon var. *apus*  
 Barneby 20850  
**R** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850
- R** *Astragalus cerussatus* Sheldon 20850  
**R** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Astragalus chaldiranicus* Kit Tan & Sorger 12840  
**R** 12840 Turkey 12840
- V** *Astragalus chamaemeniscus* Barneby 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850
- R** *Astragalus chamaephaca* Freyn 12840  
**R** 12840 Turkey 12840
- R** *Astragalus chloodes* Barneby 20850  
**I** 20850 U.S. - Colorado 20850  
**R** 20850 U.S. - Utah 20850
- R** *Astragalus chrysochlorus* Boiss. & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Astragalus chthonocephalus* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- V** *Astragalus chuskanus* Barneby & Spellenberg 20850  
**E** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - New Mexico 20850
- V** *Astragalus cicereillus* Boiss. & Bal. 12840  
**V** 12840 Turkey 12840
- V** *Astragalus cimae* M.E. Jones 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Astragalus cimae* M.E. Jones var. *cimae* 20850  
**V** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Astragalus cimae* M.E. Jones var. *sufflatus*  
 Barneby 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- I 20850 U.S. - California 20850
- E** *Astragalus clarianus* Jepson 20850  
E 20850 U.S. - California 20850
- V** *Astragalus clerceanus* Iljin & Krasch. 8000, 20171  
V 11552 Russian Federation (Ural Mts) 11552
- R** *Astragalus coadunatus* Huber-Mor. & Chamb. 12840  
R 12840 Turkey 12840
- E** *Astragalus cobrensis* A.Gray var. *maguirei*  
Kearney 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850
- R** *Astragalus colhuensis* Gomez-Sosa 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Chubut 20176
- E** *Astragalus collinus* (Hook.)Douglas ex G.Don var.  
*laurentii* (Rydb.) Barneby 20850  
E 20850 U.S. - Oregon 20850
- R** *Astragalus coltonii* M. E. Jones var.  
*coltonii* 20850  
R 20850 U.S. - Utah 20850
- R** *Astragalus coltonii* M. E. Jones var. *moabensis*  
M.E. Jones 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- V** *Astragalus columbianus* Barneby 20850  
V 20850 U.S. - Washington 20850
- R** *Astragalus columnaris* Boiss. 12840  
R 12840 Turkey 12840
- R** *Astragalus commagenicus* (Hand.-Mazz.) Sirj. 12840  
R 12840 Turkey 12840
- R** *Astragalus comosoides* Cham. & Mathews 12840  
R 12840 Turkey 12840
- R** *Astragalus consimilis* Bornm. 12840  
R 12840 Turkey 12840
- V** *Astragalus consobrinus* (Barneby) Welsh 20850  
V 20850 U.S. - Utah 20850
- R** *Astragalus convallarius* E.Green var. *finitimus*  
Barneby 20850  
R 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- E** *Astragalus cottonii* M.E. Jones 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Washington 20850
- E** *Astragalus cremnophylax* Barneby 20850  
E 20850 U.S. - Arizona 20850
- E** *Astragalus cremnophylax* Barneby var.  
*cremnophylax* 20850  
E 20850 U.S. - Arizona 20850
- E** *Astragalus cremnophylax* Barneby var. *myriorrhaphis*  
Barneby 20850  
E 20850 U.S. - Arizona 20850
- R** *Astragalus crinitus* Boiss. 12840  
R 12840 Turkey 12840
- V** *Astragalus cronquistii* Barneby 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- V** *Astragalus curtipes* A.Gray 20850  
I 20850 U.S. - California 20850
- E** *Astragalus cusickii* Barneby var. *packardiae*  
Barneby 20850  
E 20850 U.S. - Idaho 20850
- V** *Astragalus cusickii* Barneby var. *sterilis*  
(Barneby) Barneby 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850
- R** *Astragalus cuspidatulus* Eig 12840  
R 12840 Turkey 12840
- R** *Astragalus cymbibracteatus* Huber-Mor. & Chamb. 12840  
R 12840 Turkey 12840
- R** *Astragalus cymbooides* M.E. Jones 20850  
R 20850 U.S. - Utah 20850
- R** *Astragalus cymbostegius* Bunge 12840  
R 12840 Turkey 12840
- V** *Astragalus cyrenaicus* Coss.  
V Libya
- R** *Astragalus czorochensis* Charadze 12840  
R 12840 Turkey 12840
- R** *Astragalus darwasicus* Basilevsk.  
R former USSR 6930
- R** *Astragalus dasyanthus* Pall. 8000, 20171  
R Bulgaria 8000  
V 20686 Hungary 17786  
R 20631 Romania 20631  
R (former) Yugoslavia  
I Russia (E.Europe) - Northwest 8000
- R** *Astragalus dasycarpus* Chamb. 12840  
R 12840 Turkey 12840
- V** *Astragalus deanei* (Rydb.) Barneby 20850  
V 20850 U.S. - California 20850
- V** *Astragalus debequaeus* Welsh 20850  
V 20850 U.S. - Colorado 20850
- R** *Astragalus decurrens* Boiss. 12840  
R 12840 Turkey 12840
- R** *Astragalus delanensis* Sirj. & Rech.f. 12840  
R 12840 Turkey 12840
- R** *Astragalus delbesii* Eig 12840  
R 12840 Turkey 12840
- R** *Astragalus depressus* L. var. *tasheliensis* Erik &  
Sumbul 12840  
R 12840 Turkey 12840
- E** *Astragalus desereticus* Barneby 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus desperatus* M. E. Jones var. *conspectus*  
Barneby 20850  
R 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- E** *Astragalus desperatus* M. E. Jones var. *neeseae*  
Barneby 20850  
E 20850 U.S. - Utah 20850
- V** *Astragalus desperatus* M. E. Jones var. *petrophilus*  
M.E. Jones 20850  
V 20850 U.S. - Utah 20850
- V** *Astragalus deterior* (Barneby) Barneby 20850  
V 20850 U.S. - Colorado 20850
- R** *Astragalus detritalis* M.E. Jones 20850  
V 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- R** *Astragalus diphtherites* Fenzl var. *karatashensis*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- (Sirj.) Chamb. 12840  
R 12840 Turkey 12840
- R *Astragalus dirmilensis* Huber-Mor. & Reese 12840  
R 12840 Turkey 12840
- R *Astragalus discessiflorus* Gontsch.  
R former USSR 6930
- R *Astragalus distinctissimus* Eig 12840  
R 12840 Turkey 12840
- R *Astragalus diversifolius* A.Gray 20850  
V 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850  
Ex/E 20850 U.S. - Wyoming 20850
- V *Astragalus douglasii* (Torr. & A.Gray) A.Gray var.  
*perstrictus* (Rydb.) Munz & McBurney ex Munz 20850  
V 20850 U.S. - California 20850
- V *Astragalus drabelliformis* Barneby 20850  
V 20850 U.S. - Wyoming 20850
- R *Astragalus drupaceus* Orph. ex Boiss. 20171  
R Greece
- R *Astragalus duchesnensis* M.E. Jones 20850  
E 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- R *Astragalus edinburghensis* Ponert 12840  
R 12840 Turkey 12840
- R *Astragalus edmodii* (Kuntze) Sheldon 12840  
R 12840 Turkey 12840
- R *Astragalus elatus* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Astragalus elazigensis* Ekim 12840  
R 12840 Turkey 12840
- R *Astragalus elbistanicus* Huber-Mor. & Chamb. 12840  
R 12840 Turkey 12840
- R *Astragalus eliasianus* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- V *Astragalus endopterus* (Barneby) Barneby 20850  
I 20850 U.S. - Arizona 20850
- R *Astragalus ensiformis* M.E. Jones 20850  
V 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
R 20850 U.S. - Utah 20850
- E *Astragalus ensiformis* M. E. Jones var. *gracilior*  
Barneby 20850  
I 20850 U.S. - Nevada 20850  
20850 U.S. - Utah 20850
- V *Astragalus episcopus* S.Watson var. *lancearius*  
(Gray) Isely 20850  
20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- R *Astragalus eriocephalus* Willd. 12840  
R 12840 Turkey 12840
- R *Astragalus ermineus* Matt. 12840  
R 12840 Turkey 12840
- E *Astragalus ertterae* Barneby & Shevock 20850  
E 20850 U.S. - California 20850
- V *Astragalus eurylobus* (Barneby) Barneby 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Nevada 20850
- R *Astragalus fabrisii* Gomez-Sosa 16336  
R 16336 Argentina 16336
- R 20176 Argentina - Jujuy 20176
- R *Astragalus feensis* M.E. Jones 20850  
R 20850 U.S. - New Mexico 20850
- R *Astragalus fissuralis* Alexej. 11552  
R 11552 Russian Federation (Caucasus) 11552
- I *Astragalus flavocreatus* I.M. Johnston 16336  
Ex 16336 Argentina 16336  
I 20176 Argentina - Catamarca 20176  
I 20176 Argentina - La Rioja 20176  
I 20176 Argentina - Salta 20176  
I 20176 Argentina - Tucuman 20176  
I 19566 Bolivia 19566
- R *Astragalus fodinarum* Boiss. & Noe 12840  
R 12840 Turkey 12840
- R *Astragalus font-queri* Maire & Sennen 12346  
R Morocco 12346
- R *Astragalus fresenii* Decne.  
R Egypt
- R *Astragalus froedinii* Murb. 12346  
R Morocco 12346
- R *Astragalus fruticosus* Forssk.  
R Egypt  
R Israel
- V *Astragalus funereus* M.E. Jones 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R *Astragalus gaeobotry* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- E *Astragalus galilaeus* Freyn & Bornm. 8895  
E Israel (Upper Galilee) 8895
- R *Astragalus geniorum* Maire 10488  
R 14958 Algeria 10488
- R *Astragalus gevaschensis* Chamb. & Matt. 12840  
R 12840 Turkey 12840
- V *Astragalus geyeri* A.Gray var. *triquetrus* (Gray)  
M.E. Jones 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Nevada 20850
- R *Astragalus giennensis* Heywood 20171  
R Spain
- V *Astragalus gilviflorus* Dorn var. *purpureus*  
Dorn 20850  
V 20850 U.S. - Wyoming 20850
- R *Astragalus gilvus* Boiss. 12840  
R 12840 Turkey 12840
- R *Astragalus goznensis* Eig 12840  
R 12840 Turkey 12840
- I *Astragalus gorodkovii* Jurtz. 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- R *Astragalus grossii* Pau 20171  
R 20692 Spain (south-east) 20692
- R *Astragalus gymnalopecias* Rech.f. 12840  
R 12840 Turkey 12840
- R *Astragalus gypsodes* Barneby 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R *Astragalus hakkiaricus* Chamb. & Matt. 12840  
R 12840 Turkey 12840
- E *Astragalus hamiltonii* C.L. Porter 20850  
E 20850 U.S. - Colorado 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- E 20850 U.S. - Utah 20850
- R** *Astragalus hareftae* (Nab.) Sirj 12840  
R 12840 Turkey 12840
- E** *Astragalus harrisonii* Barneby 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus hartvigii* Kit Tan 12840  
R 12840 Turkey 12840
- I** *Astragalus hegelmairei* Willk. 11496  
I 11496 Spain 11496
- R** *Astragalus helmii* Fischer var. *permiensis* C. Meyer  
ex Rupr.  
R former USSR
- R** *Astragalus henningii* (Steven) Boriss. 20171  
R former European USSR
- R** *Astragalus hilaris* Bunge 12840  
R 12840 Turkey 12840
- E** *Astragalus holmgreniorum* Barneby 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus huber-morathii* Agerer-Kirchhoff 12840  
R 12840 Turkey 12840
- I** *Astragalus huetii* Bunge 20171  
I Italy - Sicily
- E** *Astragalus humillimus* A.Gray 20850, 12840  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - New Mexico 20850
- E** *Astragalus hypoxylus* S.Watson 20850  
E 20850 U.S. - Arizona 20850
- Ex/E** *Astragalus idaesus* Bunge 20171  
Ex/E 20730 Greece - Crete 20730
- R** *Astragalus ideae* Sirj. 12840  
R 12840 Turkey 12840
- I** *Astragalus igoshinae* R. Kam. & Jurtz. 21309  
I 21309 Russia (E. Europe) - North 21309
- R** *Astragalus insignis* Gontsch.  
R former USSR 6930
- R** *Astragalus insularis* Kellogg var. *harwoodii* Munz &  
McBurney ex Munz 20850  
V 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V** *Astragalus inyoensis* Sheldon 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R** *Astragalus isauricus* Huber-Mor. 12840  
R 12840 Turkey 12840
- E** *Astragalus iselyi* Welsh 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus isparticus* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- E** *Astragalus jaegerianus* Munz 20850  
E 20850 U.S. - California 20850
- R** *Astragalus jejunus* S.Wats. 20850  
E 20850 U.S. - Colorado 20850  
R 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- E** *Astragalus jejunus* S.Wats. var. *articulatus*  
Dorn 20850
- E 20850 U.S. - Wyoming 20850
- R** *Astragalus jejunus* S.Wats. var.  
*jejunus* 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- V** *Astragalus johannis-howellii* Barneby 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R** *Astragalus kangalicus* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R** *Astragalus karelinianus* Popov 20171  
R former European USSR
- V** *Astragalus kentrophyta* A.Gray var. *danaus*  
(Barneby) Barneby 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- Ex** *Astragalus kentrophyta* A.Gray var. *douglasii*  
Barneby 20850  
Ex 20850 U.S. - Oregon 20850  
Ex 20850 U.S. - Washington 20850
- R** *Astragalus kentrophyta* A.Gray var. *neomexicanus*  
(Barneby) Barneby 20850  
R 20850 U.S. - New Mexico 20850
- V** *Astragalus kerrii* Knight & Cully 20850  
V 20850 U.S. - New Mexico 20850
- R** *Astragalus kirschehiricus* Chamb. 12840  
R 12840 Turkey 12840
- R** *Astragalus kitianus* Sorger 12840  
R 12840 Turkey 12840
- V** *Astragalus knightii* Barneby 20850  
V 20850 U.S. - New Mexico 20850
- E** *Astragalus koraicensis* Y.N. Lee  
E Korea, South
- I** *Astragalus kungurensis* Boriss. 11552, 20171  
I 5942 Russia (E. Europe) - East (Urals) 5942
- R** *Astragalus lacteus* Heldr. & Sart. ex Boiss. 20171  
R Greece 19121
- R** *Astragalus lagopodioides* Vahl 12840  
R 12840 Turkey 12840
- R** *Astragalus latistipulatus* Chamb. & Matt. 12840  
R 12840 Turkey 12840
- V** *Astragalus lentiformis* Gray ex Brewer &  
S.Watson 20850  
V 20850 U.S. - California 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var.  
*ambiguus* Barneby 20850  
E 20850 U.S. - Arizona 20850
- V** *Astragalus lentiginosus* Douglas ex Hook. var.  
*antoniuss* Barneby 20850  
V 20850 U.S. - California 20850
- V** *Astragalus lentiginosus* Douglas ex Hook. var.  
*coacheliae* Barneby ex Shreve & Wiggins 20850  
V 20850 U.S. - California 20850
- V** *Astragalus lentiginosus* Douglas ex Hook. var.  
*kernensis* (Jepson) Barneby 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var. *latus*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

(M.E. Jones) M.E. Jones 20850

- I 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Nevada 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var. *micans*  
 Barneby 20850  
 E 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var.  
*piscinensis* Barneby 20850  
 E 20850 U.S. - California 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var. *pohlii*  
 Welsh & Barneby 20850  
 E 20850 U.S. - Utah 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var.  
*sesquimetalis* (Rydb.) Barneby 20850  
 E 20850 U.S. - California 20850  
 E 20850 U.S. - Nevada 20850
- E** *Astragalus lentiginosus* Douglas ex Hook. var.  
*sierrae* M.E. Jones 20850  
 E 20850 U.S. - California 20850
- V** *Astragalus lentiginosus* Douglas ex Hook. var.  
*stramineus* (Rydb.) Barneby 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850
- R** *Astragalus leptocaulis* Ledeb.  
 R former USSR 6930
- V** *Astragalus leucolobus* S.Watson ex M.E. Jones 20850  
 V 20850 U.S. - California 20850
- V** *Astragalus limnocharis* Barneby 20850  
 V 20850 U.S. - Utah 20850
- E** *Astragalus limnocharis* Barneby var.  
*limnocharis* 20850  
 E 20850 U.S. - Utah 20850
- E** *Astragalus limnocharis* Barneby var. *montii* (Welsh)  
 Isely 20850  
 E 20850 U.S. - Utah 20850
- V** *Astragalus linifolius* Osterhout 20850  
 V 20850 U.S. - Colorado 20850
- R** *Astragalus listoniae* Boiss. 12840  
 R 12840 Turkey 12840
- E** *Astragalus loanus* Barneby 20850  
 E 20850 U.S. - Utah 20850
- R** *Astragalus longifolius* Lam. 12840  
 R 12840 Turkey 12840
- V** *Astragalus longipetalus* Chater 8000, 20171  
 V Russia (E. Europe) - South (south east)  
 8000
- E** *Astragalus macrocarpus* DC. ssp. *lefkarensis*  
 Agerer-Kirchoff & Meikle 14230  
 E 19164 Cyprus (chalk hill above Pano Lefkara)  
 14230
- R** *Astragalus macrouroides* Huber-Mor. 12840  
 R 12840 Turkey 12840
- V** *Astragalus magdalenae* E.Greene var. *peirsonii*  
 (Munz & McBurney) Barneby 20850  
 V 20850 U.S. - California 20850
- R** *Astragalus malacoides* Barneby 20850.  
 R 20850 U.S. - Utah 20850
- V** *Astragalus maritimus* Moris 8000, 20171  
 V 18264 Italy - Sardinia (Isola di San Pietro)
- 8000
- R** *Astragalus maximus* Willd. var. *dasysemius* Chamb. &  
 Matt. 12840  
 R 12840 Turkey 12840
- R** *Astragalus melitensis* Boiss. 12840  
 R 12840 Turkey 12840
- V** *Astragalus membranaceus* (Fischer) Bunge var.  
*mongolicus* (Bunge) Hsiao 11139  
 V China - Hebei 11139  
 V China - Nei Monggol Zizhiqu 11139  
 V China - Shanxi 11139
- R** *Astragalus michauxii* (Kuntze) F.J. Herm. 20850,  
 E 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 V 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- E** *Astragalus microcymbus* Barneby 20850,  
 E 20850 U.S. - Colorado 20850
- V** *Astragalus micromerius* Barneby 20850  
 V 20850 U.S. - New Mexico 20850
- R** *Astragalus microrchis* Barbey 12840  
 R 12840 Turkey 12840
- R** *Astragalus misellus* S.Watson var. *pauper*  
 Barneby 20850  
 I 20850 U.S. - Oregon 20850  
 R 20850 U.S. - Washington 20850
- R** *Astragalus miser* Dougl. ex Hook. var. *tenuifolius*  
 (Nutt.) Barneby 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850  
 V 20850 U.S. - Wyoming 20850
- V** *Astragalus missouriensis* Isely var. *humistratus*  
 Isely 20850  
 I 20850 U.S. - Colorado 20850
- R** *Astragalus mitchellianus* Boiss. 12840  
 R 12840 Turkey 12840
- R** *Astragalus mohavensis* S.Watson 20850  
 I 20850 U.S. - California 20850  
 R 20850 U.S. - Nevada 20850
- V** *Astragalus mohavensis* S.Watson var. *hemigyris*  
 (Clokey) Barneby 20850  
 Ex/E 20850 U.S. - California 20850  
 V 20850 U.S. - Nevada 20850
- R** *Astragalus mokeevae* Popov  
 R former USSR 6930
- V** *Astragalus mokiensis* A.Gray 20850  
 I 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Nevada 20850
- R** *Astragalus mollissimus* Torr. var. *coryi*  
 Tidestrom 20850  
 R 20850 U.S. - Texas 20850
- V** *Astragalus mollissimus* Torr. var. *marcidus* (Greene)  
 ex Rydb.) Barneby 20850  
 V 20850 U.S. - Texas 20850
- R** *Astragalus molybdenus* Barneby 20850  
 V 20850 U.S. - Colorado 20850  
 V 20850 U.S. - Montana 20850  
 I 20850 U.S. - Wyoming 20850
- V** *Astragalus monoensis* Barneby 20850  
 V 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- R** *Astragalus mordiensis* Nab. 12840  
R 12840 Turkey 12840
- R** *Astragalus moyanoi* Speg. 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Chubut (Futaleufú) 20176  
R 20176 Argentina - Neuquen (Huiliches) 20176
- R** *Astragalus mukisiensis* Rech.f. 12840  
R 12840 Turkey 12840
- V** *Astragalus mulfordiae* M.E. Jones 20850  
V 20850 U.S. - Idaho 20850  
E 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R** *Astragalus musiniensis* M.E. Jones 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - Utah 20850
- R** *Astragalus nankotaizanensis* Sasaki 20511  
R 20511 Taiwan 20511
- V** *Astragalus naturitensis* Payson 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus nelsonianus* Barneby 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850  
V 20850 U.S. - Wyoming 20850
- R** *Astragalus neomexicanus* Woot. & Standl. 20850  
R 20850 U.S. - New Mexico 20850
- R** *Astragalus nervulosus* Eig & Reese emend  
Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Astragalus nevinii* A.Gray 20850  
V 20850 U.S. - California 20850
- V** *Astragalus newberryi* Gray var. *aquarii*  
Isely 20850  
V 20850 U.S. - Arizona 20850
- I** *Astragalus nicharensis* Bunge  
I Pakistan
- V** *Astragalus nidularius* Barneby 20850  
V 20850 U.S. - Utah 20850
- R** *Astragalus nummularius* Lam. 20171  
R 20730 Greece - Crete 19121
- R** *Astragalus nuratensis* Popov  
R former USSR 6930
- E** *Astragalus nutriosensis* Sanderson 20850  
E 20850 U.S. - Arizona 20850
- R** *Astragalus nyensis* Barneby 20850  
R 20850 U.S. - Nevada 20850
- R** *Astragalus ocahverdii* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- I** *Astragalus olchonensis* Gontsch. 5942  
I 5942 Russia (Siberia) - Buryatiya (Oz. Baykal) 5942
- R** *Astragalus oniciformis* Barneby 20850  
R 20850 U.S. - Idaho 20850
- V** *Astragalus oocarpus* A.Gray 20850  
V 20850 U.S. - California 20850
- E** *Astragalus oophorus* S.Watson var. *clokeyanus*  
Barneby 20850  
E 20850 U.S. - Nevada 20850
- E** *Astragalus oophorus* S.Watson var. *lavinii*  
Barneby 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V** *Astragalus oophorus* S.Watson var. *lonchocalyx*  
Barneby 20850  
V 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E** *Astragalus osterhoutii* M.E. Jones 20850, 14845  
E 20850 U.S. - Colorado (Grand Co.) 20850
- R** *Astragalus ovalis* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Astragalus ovatus* DC. 12840  
R 12840 Turkey 12840
- R** *Astragalus ovinus* Boiss. 12840  
R 12840 Turkey 12840
- R** *Astragalus oxypterus* A. Boriss.  
R Asiatic U.S.S.R. 6930
- R** *Astragalus paecilanthus* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- I** *Astragalus palleescens* M.Bieb. 20171  
I former European USSR
- V** *Astragalus panamintensis* Sheldon 20850  
I 20850 U.S. - California 20850
- R** *Astragalus panduratus* Bunge 12840  
R 12840 Turkey 12840
- E** *Astragalus papasianus* O. Schwarz 12840  
E 12840 Turkey 12840
- V** *Astragalus pardalinus* (Rydb.) Barneby 20850  
V 20850 U.S. - Utah 20850
- R** *Astragalus patnosicus* Chamb. & Matth. 12840  
R 12840 Turkey 12840
- R** *Astragalus paysonii* (Rydb.) Barneby 20850  
R 20850 U.S. - Idaho 20850  
V 20850 U.S. - Wyoming 20850
- R** *Astragalus peckii* Piper 20850  
R 20850 U.S. - Oregon 20850
- R** *Astragalus perianus* Barneby 20850  
R 20850 U.S. - Utah 20850
- E** *Astragalus peterfii* Jáv. 17823, 20171  
E 19949 Romania 20631
- V** *Astragalus phoenix* Barneby 20850  
V 20850 U.S. - Nevada 20850
- R** *Astragalus phrygius* Sirj. 12840  
R 12840 Turkey 12840
- Ex/E** *Astragalus physocalyx* Fisch. 8000, 20171  
Ex/E 5204 Bulgaria (Southern - two unconfirmed sites) 5204
- E** *Astragalus pinonis* M.E. Jones 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E** *Astragalus piscator* Barneby & Welsh 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus plumosus* Willd. var. *nitens* (Frey & Birm.) Chamb. & Matt 12840  
R 12840 Turkey 12840
- R** *Astragalus polemoniicus* Bunge 12840  
R 12840 Turkey 12840
- V** *Astragalus porrectus* S.Watson 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- V 20850 U.S. - Nevada 20850
- E** *Astragalus preussii* A.Gray var. *cutleri*  
Barneby 20850  
E 20850 U.S. - Utah 20850
- V** *Astragalus preussii* A.Gray var. *laxiflorus*  
Gray 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
Ex/E 20850 U.S. - Utah 20850
- E** *Astragalus proimanthus* Barneby 20850  
E 20850 U.S. - Wyoming 20850
- V** *Astragalus pseudiodanthus* Barneby 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R** *Astragalus pseudocaspicus* Fischer 12840  
R 12840 Turkey 12840
- Ex** *Astragalus pseudocylindraceus* Bornm. 12840  
Ex 12840 Turkey 12840
- V** *Astragalus pseudopurpureus* Gusul. 17823, 20171  
V 19949 Romania 20631
- R** *Astragalus pterocarpus* S.Watson 20850  
R 20850 U.S. - Nevada 20850
- R** *Astragalus ptilodes* Boiss.  
R Greece
- V** *Astragalus pulsiferae* A.Gray var. *pulsiferae* 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Astragalus pulsiferae* A.Gray var. *suksdorfii* (T.J. Howell) Barneby 20850  
E 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Washington 20850
- R** *Astragalus punae* I.M. Johnston 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Jujuy 20176  
R 20176 Argentina - Salta 20176
- R** *Astragalus puniceus* (Greene) Barneby var. *gertrudis*  
(Greene) Barneby 20850  
R 20850 U.S. - New Mexico 20850
- R** *Astragalus pycnocephalus* Fischer var. *seytunensis*  
(Bunge) Chamb. 12840  
R 12840 Turkey 12840
- R** *Astragalus pycnostachyus* A.Gray 20850  
I 20850 U.S. - California 20850
- Ex/E** *Astragalus pycnostachyus* A.Gray var. *lanosissimus*  
(Rydb.) Munz & McBurney ex Munz 20850  
Ex/E 20850 U.S. - California 20850
- R** *Astragalus pycnostachyus* A.Gray var. *pycnostachyus* 20850  
I 20850 U.S. - California 20850
- R** *Astragalus racemosus* Pursh var. *treleasei* C.L. Porter 20850  
V 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R** *Astragalus rafaensis* M.E. Jones 20850  
E 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- R** *Astragalus ramicaudex* Chamb. 12840  
R 12840 Turkey 12840
- E** *Astragalus raphaelis* Ferro 18264  
E 20738 Italy - Sicily 18264
- R** *Astragalus rarissimus* Popov  
R former USSR 6930
- V** *Astragalus rattanii* Gray var. *jepsonianus*  
Barneby 20850  
V 20850 U.S. - California 20850
- E** *Astragalus ravenii* Barneby 20850  
E 20850 U.S. - California 20850
- R** *Astragalus rechingeri* Sirj. 12840  
R 12840 Turkey 12840
- I** *Astragalus reduncus* Pall. 20171  
I former European USSR 8000
- R** *Astragalus reflexus* Torr. & Gray 20850  
R 20850 U.S. - Texas 20850
- E** *Astragalus remotus* (M.E. Jones) Barneby 20850  
E 20850 U.S. - Nevada 20850
- R** *Astragalus renzii* Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Astragalus riparius* Barneby 20850  
Ex 20850 U.S. - Idaho 20850  
V 20850 U.S. - Washington 20850
- E** *Astragalus robbinsii* (Oakes) A.Gray var. *fernaldii*  
(Rydb.) Barneby 20850, 15810  
E 20850 Canada - Labrador 20850  
I 20850 Canada - New Brunswick 20850  
E 20850 Canada - Newfoundland 20850  
E 20850 Canada - Quebec 20850
- V** *Astragalus robbinsii* (Oakes) A.Gray var. *harringtonii* (Rydb.) Barneby 20850  
V 20850 U.S. - Alaska 20850
- E** *Astragalus robbinsii* (Oakes) A.Gray var. *jesupii*  
Egglest. & Sheldon 20850  
E 20850 U.S. - New Hampshire 20850  
E 20850 U.S. - Vermont (Hartland) 20850
- V** *Astragalus robbinsii* (Oakes) A.Gray var. *occidentalis* S.Watson 20850  
I 20850 Canada - Alberta 20850  
I 20850 U.S. - Idaho 20850  
V 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- Ex** *Astragalus robbinsii* (Oakes) A.Gray var. *robbinsii* 20850  
Ex 20850 U.S. - Vermont 20850
- R** *Astragalus robertianus* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- V** *Astragalus roemerii* Simonk. 17823, 20171  
V 19949 Romania 20631
- R** *Astragalus roseocalycinus* Matt. 12840  
R 12840 Turkey 12840
- I** *Astragalus rubellus* Gontsch. 5942  
I 5942 Kyrgyzstan 5942
- R** *Astragalus rubtsovii* Boriss. 5942  
R 5942 Kazakhstan (eastern) 5942
- V** *Astragalus rusbyi* Greene 20850  
I 20850 U.S. - Arizona 20850
- E** *Astragalus sabulosus* M.E. Jones 20850  
E 20850 U.S. - Utah 20850
- R** *Astragalus sachanewii* Sirj. 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- V** *Astragalus saurinus* Barneby 20850  
**I** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Utah 20850
- R** *Astragalus scabrifolius* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus scaphoides* (M.E. Jones) Rydb. 20850  
**R** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850
- E** *Astragalus schmolliae* C.L. Porter 20850  
**E** 20850 U.S. - Colorado 20850
- V** *Astragalus sepultipes* (Barneby) Barneby 20850  
**I** 20850 U.S. - California 20850
- R** *Astragalus serenoii* (Kuntze) Sheldon var. *shockleyi* (M.E. Jones) Barneby 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Astragalus serenoii* (Kuntze) Sheldon var. *sordescens* Barneby 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Astragalus serpens* M.E. Jones 20850  
**E** 20850 U.S. - Utah 20850
- R** *Astragalus sesquiflorus* S.Watson 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Colorado 20850  
**R** 20850 U.S. - Utah 20850
- E** *Astragalus setosulus* Gontsch. 20171  
**E** 20655 Ukraine - Crimea 20653
- R** *Astragalus seydishehiricus* Kit Tan & Ocakverdi 12840  
**R** 12840 Turkey 12840
- V** *Astragalus shevockii* Barneby 20850  
**V** 20850 U.S. - California 20850
- R** *Astragalus shortianus* Nutt. 20850  
**I** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Nebraska 20850  
**V** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Wyoming 20850
- E** *Astragalus sikokianus* Nakai 10572  
**E** 10572 Japan 10572
- R** *Astragalus siliceus* Barneby 20850  
**R** 20850 U.S. - New Mexico 20850
- R** *Astragalus simplicifolius* (Nutt.) Gray 20850  
**R** 20850 U.S. - Wyoming 20850
- E** *Astragalus sinuatus* Piper 20850  
**I** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- V** *Astragalus sophoroides* M.E. Jones 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Astragalus sorgerae* Huber-Mor. & Chamb. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus soxmaniorum* Lundell 20850  
**V** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Louisiana 20850  
**R** 20850 U.S. - Texas 20850
- R** *Astragalus sparsipilis* Huber-Mor. & Chamb. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus stenosemioides* Bornm. ex Chamb. & Matt. 12840  
**R** 12840 Turkey 12840
- V** *Astragalus straturensis* M.E. Jones 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850
- R** *Astragalus striatiflorus* M.E. Jones 20850  
**V** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Utah 20850
- R** *Astragalus stridii* Kit Tan 12840  
**R** 12840 Turkey 12840
- R** *Astragalus subcinereus* A.Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850
- R** *Astragalus suberosus* var. *hartmannii* 18271  
**R** 20710 Cyprus (dry fields west of Nicosia) 18271
- R** *Astragalus subternatus* Pavlov  
**R** former USSR 6930
- R** *Astragalus syringus* Chamb 12840  
**R** 12840 Turkey 12840
- R** *Astragalus tachdirtensis* Andreanszky 12346  
**R** Morocco 12346
- I** *Astragalus taipaisanensis* Y.C. Ho & S.B. Ho 11815  
**I** China - Shaanxi 11815
- R** *Astragalus talasseus* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- V** *Astragalus tanaiticus* K.Koch 11552, 20171  
**V** 11552 Russian Federation (western) 11552
- R** *Astragalus taochius* Woron. 12840  
**R** 12840 Turkey 12840
- R** *Astragalus tattlii* H. Pesmen 12840  
**R** 12840 Turkey 12840
- V** *Astragalus taubertianus* E. A. Durand & Barratte 12346  
**V** Libya 12346
- R** *Astragalus tegetarioides* M.E. Jones 20850  
**E** 20850 U.S. - California 20850  
**R** 20850 U.S. - Oregon 20850
- I** *Astragalus tekutjevii* Gontsch.  
**I** former USSR 6930
- E** *Astragalus tener* A.Gray 20850  
**I** 20850 U.S. - California 20850
- E** *Astragalus tener* A.Gray var. *ferrisiae* A. Liston 20850  
**E** 20850 U.S. - California 20850
- E** *Astragalus tener* A.Gray var. *tener* 20850  
**E** 20850 U.S. - California 20850
- E** *Astragalus tener* A.Gray var. *titi* (Eastw.) Barneby 20850  
**E** 20850 U.S. - California 20850
- R** *Astragalus tennesseensis* A.Gray ex Chapman 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Illinois 20850  
**Ex** 20850 U.S. - Indiana 20850  
**I** 20850 U.S. - Missouri 20850  
**R** 20850 U.S. - Tennessee 20850
- R** *Astragalus thiebaetii* Eig 12840  
**R** 12840 Turkey 12840
- V** *Astragalus tiehmii* Barneby 20850  
**R** 20850 U.S. - Nevada 20850
- R** *Astragalus tmoleus* Boiss. var. *tmoleus* 12840  
**R** 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Astragalus*

- R *Astragalus tokachiensis* Yamaz. & Kadota 10572  
R 10572 Japan 10572
- R *Astragalus tokatensis* Fischer 12840  
R 12840 Turkey 12840
- V *Astragalus toquimanus* Barneby 20850  
V 20850 U.S. - Nevada 20850
- R *Astragalus trachytricus* Bunge 12840  
R 12840 Turkey 12840
- R *Astragalus transjordanicus* G. Samuelsson ex Rech.f.  
R Jordan
- V *Astragalus traskiae* Eastw. 20850  
V 20850 U.S. - California 20850
- R *Astragalus tremolsianus* Pau 8000, 20171  
R 20874 Spain (Sierra de Gádor) 11496
- E *Astragalus tricarinatus* A.Gray 20850  
E 20850 U.S. - California 20850
- R *Astragalus trichopodus* (Nutt.) Gray 20850  
I 20850 U.S. - California 20850
- R *Astragalus trifoliatrum* Huber-Mor. & Matt. 12840  
R 12840 Turkey 12840
- R *Astragalus troglodytus* S.Watson 20850  
R 20850 U.S. - Arizona 20850
- R *Astragalus tweedyi* Canby 20850  
R 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- E *Astragalus tyghensis* M.E. Peck 20850  
E 20850 U.S. - Oregon 20850
- R *Astragalus uhlwormianus* Freyn & Bornm. 12840  
R 12840 Turkey 12840
- R *Astragalus ulashensis* Huber-Mor. & Reese 12840  
R 12840 Turkey 12840
- V *Astragalus uncialis* Barneby 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R *Astragalus vanulosus* Boiss. 12840  
R 12840 Turkey 12840
- R *Astragalus velenowskyi* Nab. 12840  
R 12840 Turkey 12840
- V *Astragalus verrucosus* Moris 8000, 20171  
V 18264 Italy - Sardinia (western) 17891
- R *Astragalus vesicarius* L. ssp. *vesicarius* (Waldst. et Kit.) 8000, 20171  
R 19321 Slovakia 19321
- V *Astragalus vexilliflexus* Sheldon var. *nubilus* Barneby 20850  
V 20850 U.S. - Idaho 20850
- R *Astragalus victoriae* Podlech-Ayerer-Kirchhoff 12840  
R 12840 Turkey 12840
- R *Astragalus viridiflorus* A. Boriss.  
R former USSR 6930
- R *Astragalus voronovianus* (Boriss.) Boriss. 12840  
R 12840 Turkey 12840
- V *Astragalus wardii* A.Gray 20850  
V 20850 U.S. - Utah 20850
- R *Astragalus wartsensis* Boiss. 12840  
R 12840 Turkey 12840
- E *Astragalus webberi* A.Gray ex Brewer & S.Watson 20850  
E 20850 U.S. - California 20850
- R *Astragalus weileri* Emb. et al. 12346  
R Morocco 12346
- V *Astragalus welshii* Barneby 20850  
V 20850 U.S. - Utah 20850
- R *Astragalus wetherillii* M.E. Jones 20850  
R 20850 U.S. - Colorado 20850  
Ex/E 20850 U.S. - Utah 20850
- R *Astragalus wilmottianus* Stoj. 5204, 20171  
R 5204 Bulgaria (West) 5204
- R *Astragalus wittmannii* Barneby 20850  
R 20850 U.S. - New Mexico 20850
- V *Astragalus xiphoides* (Barneby) Barneby 20850  
V 20850 U.S. - Arizona 20850
- R *Astragalus yamamotoi* Miyabe & Tatew. 10572  
R 10572 Japan 10572
- R *Astragalus yoder-williamsii* Barneby 20850  
R 20850 U.S. - Idaho 20850  
E 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Astragalus yueksekovae* Matthews 12840  
R 12840 Turkey 12840
- R *Astragalus zahlbruckneri* Hand.-Mazz. 12840  
R 12840 Turkey 12840
- V *Astragalus zingeri* Korsh. 8000, 20171  
V 11552 Russian Federation (western) 11552
- R *Ateleia galzioviana* Baill. 20883  
I 20883 Argentina 20883  
I 20883 Brazil 20883  
V 20883 Paraguay 20883
- I *Ateleia gummifera* D. Dietr. 11840  
I 20990 Cuba (Oriente; Matanzas) 11840
- I *Ateleia popenoei* Correll  
I 4650 Bahamas 4650
- V *Baikiaea ghesquiereana* J. Léonard 19531  
V 20885 Tanzania (Rufiji & Kilwa Districts) 19531
- V *Balsamocarpon brevifolium* D. Clos 11748  
V 19534 Chile 11748
- R *Baphia cordifolia* Harms 19531  
R Tanzania (Mpwapwa, Iringa) 19531
- I *Baphia keniensis* Brummitt 6073  
I 20057 Kenya (Fort Hall) 7959
- V *Baphia pauloi* Brummitt 19531  
V 20885 Tanzania (Uluguru mountains) 5926
- V *Baphia puguensis* Brummitt 19531  
V 5926 Tanzania (Pugu & Kazimzumbwi) 5926
- E *Baptisia arachnifera* Duncan 20850  
E 20850 U.S. - Georgia 20850
- V *Baptisia calycosa* Canby 20850  
I 20850 U.S. - Florida 20850
- E *Baptisia calycosa* Canby var. *calycosa* 20850  
E 20850 U.S. - Florida 20850
- E *Baptisia calycosa* Canby var. *villosa* Canby 20850  
E 20850 U.S. - Florida 20850
- R *Baptisia megacarpa* Chapman ex Torr. & Gray 20850  
V 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- R *Baptisia simplicifolia* Croom 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Baptisia*

- R 20850 U.S. - Florida 20850
- R *Bauhinia acuruana* Moric. 20883  
I 20883 Brazil 20883  
V 20883 Paraguay 20883
- R *Bauhinia bowkeri* Harv. 20604  
R 20604 South Africa - Cape Province (Transkei) 20604
- R *Bauhinia clemensiorum* Merr. 6057  
R Vietnam
- R *Bauhinia erythrocalyx* Wunderlin 12055  
R 12055 Guatemala 12055  
R 12055 Mexico 12055
- E *Bauhinia eucosma* Blake 20883  
I 20883 Panama 20883
- R *Bauhinia fryxellii* Wunderlin 12055  
R 12055 Mexico - San Luis Potosi 12055
- V *Bauhinia guaranitica* Lindm. 20883  
V 20883 Paraguay 20883
- R *Bauhinia heterandra* Benth. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Bauhinia involucrans* Gagnepain 6057  
R Vietnam 6057
- R *Bauhinia jucunda* Brandegee 12055  
R 12055 Mexico - Veracruz 12055
- E *Bauhinia ligulata* Pitt. 20883  
I 20883 Panama 20883
- V *Bauhinia loeseneriana* Harms 20885  
V 20885 Tanzania (south-east) 20885
- V *Bauhinia lunarioides* Gray ex S.Watson 20883  
E 20850 U.S. - Texas 20850  
V 20883 Mexico 20883
- R *Bauhinia mollis* (Bong.) Walp. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E *Bauhinia mombassae* Vatke 20057  
E 20057 Kenya 7959
- E *Bauhinia obovata* Blake 20883  
I 20883 Panama 20883
- R *Bauhinia pansamalana* J.D. Smith 9004  
R 12055 Guatemala 9004  
R 12055 Mexico - Chiapas 9004
- I *Bauhinia perkinsiae* Merr. 21172, 13833  
I 13833 Philippines (low altitude) 13833
- R *Bauhinia reflexa* Schery 20883  
V 20883 Panama 20883  
I 20883 Colombia 20883
- R *Bauhinia rufa* (Bong.) Steud. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E *Bauhinia storkii* (Rose) Schery 20883  
I 20883 Panama 20883
- E *Behaimia roigii* Borh. 5607  
E 19105 Cuba (Matanzas) 5607
- I *Belairia nipensis* Urban 5607  
I 19105 Cuba (Santiago de Cuba; Holguin) 5607
- I *Belairia parvifolia* Britton 5607  
I 19105 Cuba (Granma) 5607
- V *Bembicidium cubense* Rydb. 5607  
V 19105 Cuba (Guantanamo) 5607
- I *Benedictella benoistii* Maire  
I Morocco
- R *Bergeronia sericea* Micheli 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- V *Berlinia occidentalis* Keay 12346  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 20274  
V 20858 Liberia 20274  
V 20858 Sierra Leone 20274
- R *Bossiaea arenicola* J.H. Ross 20681  
R 20681 Australia - Queensland 20681
- V *Bossiaea oligosperma* A.T. Lee 20681  
V 20681 Australia - New South Wales 20681
- E *Bowringia discolor* J.B. Hall 6072  
E 6072 Ghana 6072
- V *Brachysema modestum* Crisp ms. 20681  
V 20681 Australia - Western Australia 20681
- E *Brachysema papilio* Crisp ms. 20681  
E 20681 Australia - Western Australia 20681
- R *Brachysema subcordatum* Benth. 20681  
R 20681 Australia - Western Australia 20681
- R *Brachysema uniflorum* R.Br. ex Benth. 20681  
R 20681 Australia - Northern Territory 20681
- R *Brachystegia bequaertii* De Wild. 12346  
R 19358 Zaire (Haut-Katanga) 19358
- R *Brodriguesia santosii* Cowan 16692  
R 16692 Brazil - Bahia 16692
- V *Brongniartia minutifolia* S.Watson 20883, 20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E *Brongniartia vazquezii* O. Dorado 20883  
I 20883 Mexico 20883
- E *Browneopsis excelsa* Pitt. 20883, 9006  
I 20883 Panama 20883
- V *Bussea eggelingii* Verdc. 19532  
V 20885 Tanzania (Lindi) 19532
- V *Bussea xylocarpa* (Sprague) Sprague & Craib 12346  
V 20886 Mozambique (Zambezi river valley) 20886
- I *Caesalpinia anacantha* Urban 5642  
I Dominican Republic (Isla Beata) 5642  
I Haiti (Morne à Cabrits) 21008
- I *Caesalpinia barahonenensis* Urban 5642  
I Dominican Republic (Barahona) 5642  
I Haiti (Marigot, Miragoane, Port-à-Piment) 21008
- V *Caesalpinia brachycarpa* (Gray) Fisher 20850  
I 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R *Caesalpinia bracteata* Germish. 20604  
R 20604 South Africa - Cape Province 20604
- I *Caesalpinia buchii* Urban 5642  
I Dominican Republic (Azua) 5642  
I Haiti (Lago de Fondo to Gonaives, Hinche, Isla Gonave) 21008
- E *Caesalpinia caymanensis* Millsp. 19712  
E 19434 Cayman Is. (North of George town on Grand Cayman.) 19434
- V *Caesalpinia culebrae* (Britt. & Wilson) Alain 20883, 8058  
I 20883 Puerto Rico (Culebra) 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Caesalpinia*

- V** *Caesalpinia dauensis* Thulin 20057  
V 20057 Kenya 20057
- V** *Caesalpinia echinata* Lam. 17079  
E 17746 Brazil - Alagoas 17079  
E 17746 Brazil - Bahia 17079  
V 21011 Brazil - Espirito Santo 21011  
V 21011 Brazil - Minas Gerais 21011  
V 21011 Brazil - Paraiba 21011  
E 17746 Brazil - Pernambuco 17079  
E 17079 Brazil - Rio de Janeiro 17079  
E 17746 Brazil - Rio Grande do Norte 17079  
V 21011 Brazil - Sergipe 21011
- R** *Caesalpinia floribunda* Tul. 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E** *Caesalpinia guanensis* (Britton) Leon 5607  
E 19105 Cuba (Pinar del Rio) 5607
- R** *Caesalpinia hauthalii* Harms in Kuntze 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- E** *Caesalpinia hermeliae* Leon 5607  
E 19105 Cuba (Holguin) 5607
- E** *Caesalpinia hornei* Britton 5607  
E 19105 Cuba (Ciego de Avila) 5607
- E** *Caesalpinia kavaiensis* Mann 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Caesalpinia monensis* Britt. 20883  
I 20883 Puerto Rico 20883
- V** *Caesalpinia phyllanthoides* Standl. 20883, 20850  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E** *Caesalpinia portoricensis* (Britt. & Wilson)  
Alain 20883, 10197  
I 20883 Puerto Rico 20883
- V** *Caesalpinia repens* Eastw. 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R** *Caesalpinia robusta* (C.White) Pedley 20681  
R 20681 Australia - Queensland 20681
- E** *Cajanus mareebensis* (S.Reyn. & Pedley) Maesen 20681  
E 20681 Australia - Queensland 20681
- I** *Cajanus sericus* (Benth.) Maesen  
I India - Andhra Pradesh (Vizakapatanam Hills)  
I India - Karnataka (Concan)
- I** *Calispepla aegacanthoides* Vved. 5942  
I 5942 Uzbekistan 5942
- R** *Calliandra biflora* Tharp 20883, 20850, 19002  
R 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- V** *Calliandra chilensis* Benth. 5598  
V 19534 Chile 5598
- E** *Calliandra comosa* (Sw.) Benth. 20883  
E 20883 Jamaica 20883
- R** *Calliandra erythrocephala* H. Hern. & M. Sousa 20883  
I 20883 Mexico 20883
- R** *Calliandra gilbertii* Thulin & Hunde 20057  
R 20057 Kenya 20057  
R 20057 Somalia 20057
- I** *Calliandra nervosa* (Urban) Ekman 5642  
I Dominican Republic (Los Haitises) 5642
- Haiti (south-west peninsula) 21008
- E** *Calliandra paniculata* Adams 20883, 13336  
E 20883 Jamaica 20883
- V** *Calliandra physocalyx* H. Hern. & M. Sousa 20883  
I 20883 Mexico 20883
- R** *Calliandra pilosa* (Bert. ex DC.) Urb. 20883  
R 20883 Jamaica 20883
- R** *Calliandra prostrata* Benth. 18200  
R 9446 Peru 18200
- R** *Calliandra quetzal* J.D. Smith 9004  
R 9004 Guatemala 9004
- R** *Calophaca sericea* B. Fedtsch. ex A. Boriss.  
R former USSR 6930
- I** *Calopogonium domingense* Urban & Ekman 5642  
I Dominican Republic (Bonao) 5642
- R** *Calpurnia robinoides* (DC.) E.Mey. nom.  
illegit. 20604  
R 20604 Lesotho 20604  
I 20604 South Africa - Cape Province (Transkei)  
20604  
I 20604 South Africa - Orange Free State 20604
- V** *Calpurnia woodii* Schinz 20604, 12346  
V 20604 South Africa - Natal 20604
- I** *Calycotome grossii* Pau & Font Quer  
I Morocco
- R** *Campsiandra ferruginea* Stergios 21251  
R 21251 Venezuela 21251
- E** *Canavalia favierei* Nielsen 20802  
E 20893 New Caledonia 20802
- R** *Canavalia kauaiensis* Sauer 20850, 14209  
R 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Canavalia microsperma* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Canavalia molokaiensis* O. & I. Deg. & Sauer 20850,  
14209  
E 20850 U.S. - Hawaii (eastern Molokai) 20850
- E** *Canavalia napaliensis* St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Cañavalia pubescens* Hook. & Arn. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- I** *Canavalia raiateensis* J.Moore 20845  
I 20845 French Polynesia - Society Is. (Raiatea)  
20845
- R** *Caragana leiocalycina* (Huber-Mor.) Huber-Mor. 12840  
R 12840 Turkey 12840
- I** *Carmichaelia arenaria* Simpson 19305  
I 19305 New Zealand - South Is. 19305
- R** *Carmichaelia compacta* Petrie 19305  
R 19305 New Zealand - South Is. 19305
- R** *Carmichaelia curta* Petrie 19305  
R 19305 New Zealand - South Is. 19305
- R** *Carmichaelia exsul* F. Muell. 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R** *Carmichaelia hollowayi* Simpson 19305  
R 19305 New Zealand - South Is. 19305
- E** *Carmichaelia kirkii* Hook.f. 86  
E 19305 New Zealand - South Is. 19305
- R** *Carmichaelia lacustris* Simpson  
R New Zealand - South Is.



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Carmichaelia*

- I** *Carmichaelia nigrans* Simpson 19305  
**I** 19305 New Zealand - South Is. 19305
- Ex** *Carmichaelia prona* Kirk 19305  
**Ex** 19305 New Zealand - South Is. 19305
- R** *Carmichaelia williamsii* Kirk 86  
**R** 19305 New Zealand - North Is. 19305
- R** *Cassia aculeata* Pohl ex Benth. in Mart. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- I** *Cassia acunae* Borh. 5607  
**I** 19105 Cuba (Pinar del Rio) 5607
- I** *Cassia angustisiliqua* Lam. 5642  
**I** Dominican Republic (Bayahibe) 5642  
 Haiti 21008
- E** *Cassia artensis* (Montr.) Beauv. 20893  
**E** 20893 New Caledonia 20893
- R** *Cassia brewsteri* (F.Muell.) F.Muell. ex Benth. var. *marksiana* Bailey 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- I** *Cassia bucheræ* (Mold.) Leon 5607  
**I** Cuba (Holguin) 5607
- R** *Cassia cernua* Balbis 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- I** *Cassia diffusissima* (Britton) Leon 5607  
**I** Cuba (Pinar del Rio) 5607
- V** *Cassia esmeraldensis* Alain 5607  
**V** 19105 Cuba (Holguin) 5607
- I** *Cassia exunguis* Urban 15106  
**I** 15106 Puerto Rico 8058
- E** *Cassia fikifiki* Aubrev. & Pellegrin 20887  
**E** 20887 Côte d'Ivoire (south-west) 20887
- R** *Cassia garabiensis* Hosok. 20511  
**R** 20511 Taiwan 20511
- V** *Cassia guaranitica* Chodat & Hassler 20883  
**V** 20883 Paraguay 20883
- R** *Cassia humifusa* Brenan 7959  
**R** Kenya 7959
- V** *Cassia mirabilis* Urban 8058  
**V** 19002 Puerto Rico 8058
- I** *Cassia niqueroensis* Urban & Ekman 5607  
**I** 5607 Cuba 5607
- R** *Cassia queenslandica* C.White 20681  
**R** 20681 Australia - Queensland 20681
- E** *Cassia roigii* (Britton) Leon 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- E** *Cassia scleroxyla* Britton 5607  
**E** 19105 Cuba (Santiago de Cuba) 5607
- R** *Cassia smaragdina* Macf. 20883  
**R** 20883 Jamaica 20883
- R** *Cassia sophora* L. var. *penguana* Y.C.Liu & F.Y.Lu 20511  
**R** 20511 Taiwan 20511
- E** *Cassia spiniflora* Burk. 20883  
**E** 20883 Paraguay 20883
- R** *Cassia splendida* Vog. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- V** *Cassia turquinae* (Britton) Leon 5607  
**V** 19105 Cuba (Granma; Santiago de Cuba) 5607
- R** *Cassia velutina* Vog. 20883  
**I** 20883 Brazil 20883  
**V** 20883 Paraguay 20883
- E** *Centrolobium yavizanum* Pitt. 20883, 9006  
**I** 19577 Panama 20883
- V** *Centrosema arenicola* (Small) F.J. Herm. 20850  
**V** 20850 U.S. - Florida 20850
- R** *Centrosema haitense* Urb. & Ekman 13336  
**R** 13336 Dominica 13336  
**R** 13336 Haiti 13336  
**V** 13336 Jamaica 13336
- Ex/E** *Centrosema seymourianum* Fantz 9793  
**Ex/E** 11967 Nicaragua 9793
- I** *Ceratonia oreothauma* Hillcoat, Lewis & Verdc. ssp. *oreothauma* 8757  
**I** 20146 Oman (Hajar Mts.) 20146  
**I** 20146 Yemen, Democratic (Hadramaut) 20146
- V** *Ceratonia oreothauma* Hillc., G.P. Lewis & Verdc. ssp. *somalensis* Hillc., G.P. Lewis & Verdc. 8757  
**V** 20884 Somalia (north) 8757
- V** *Chamaecrista deeringiana* Small & Pennell 20850  
**E** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**Ex/E** 20850 U.S. - Georgia 20850
- R** *Chamaecrista duboisii* (SteY.) Lock 12346  
**R** 19358 Zaire (Haut-Katanga) 19358
- E** *Chamaecrista glandulosa* var. *mirabilis* (Pollard) Irwin & Barneby 20883  
**E** 20883 Puerto Rico 20883
- V** *Chamaecrista lineata* (Pennell) Irwin & Barneby var. *keyensis* (Pennell) Irwin & Barneby 20850, 19737  
**V** 20850 U.S. - Florida (endemic to Florida Keys pine rocklands) 20850
- R** *Chamaecrista oligosperma* (Benth.) Swain & Barneby 16692  
**R** 16692 Brazil - Bahia 16692
- I** *Chamaecrista paralias* (Brenan) Lock 12346  
**I** Mozambique 7916
- R** *Chamaecrista schmitzii* (SteY.) Lock 12346  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Chamaecrista swainsonii* (Benth.) Swain & Barneby 16692  
**R** 16692 Brazil - Bahia 16692
- R** *Chamaecytisus anatolicus* 20618  
**R** 20618 Turkey 20618
- R** *Chamaecytisus blockianus* (Pawl.) Klásk. 8000, 20171  
**R** former European USSR 8000
- R** *Chamaecytisus cassius* (Boiss.) Rothm. 12840  
**R** 20618 Turkey 20618
- R** *Chamaecytisus kovacevii* (Velen.) Rothm. 5204, 20171  
**R** 5204 Bulgaria (north) 5204
- E** *Chamaecytisus nejceffii* (Urum.) Rothm. 8000, 20171  
**E** Bulgaria 19847
- R** *Chamaecytisus paczoskii* (V.I.Krecz.) Klásk. 8000, 20171  
**R** former European USSR 8000
- R** *Chamaecytisus podolicus* (Blocki) Klásk. 8000, 20171  
**R** former European USSR 8000

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Chamaecytisus*

- R** *Chamaecytisus skrobiszewskii* (Pacz.) Klásk. 8000.  
20171  
R former European USSR 8000
- R** *Chesneya elegans* Fomin 12840  
R 12840 Turkey 12840
- R** *Chloroleucon chacoense* (Burk.) Barneby &  
J.W.Grimes 21094  
I 20883 Argentina - Salta 21094  
I 20883 Bolivia (west) 21094  
R 20883 Paraguay (Chaco central) 21094
- E** *Chordospartium muritai* Purdie 8489  
E 19305 New Zealand - South Is. (Marlborough)  
20625
- V** *Chordospartium stevensonii* Cheeseman 86  
V 19305 New Zealand - South Is. 19305
- V** *Chorizema varium* Benth. 20681, 14223  
V 20681 Australia - Western Australia 14223
- R** *Chronanthus orientalis* (lois) Heywood et  
Frodin 19873  
R 20618 Turkey 20618
- R** *Cicer atlanticum* Maire 12346  
R Morocco 12346
- R** *Cicer echinospermum* Davis 12840  
R 12840 Turkey 12840
- R** *Cicer floribundum* Fenzl 12840  
R 12840 Turkey 12840
- R** *Cicer graecum* Orph. ex Boiss. 20171  
R Greece
- R** *Cicer isauricum* Davis 12840  
R 12840 Turkey 12840
- R** *Cicer reticulatum* Ladizinsky 12840  
R 12840 Turkey 12840
- E** *Clianthus puniceus* (Don) Banks Sol. ex Lindley 10260  
E 19305 New Zealand - North Is. (Northland to Hawkes  
Bay) 13378
- R** *Clitoria fragrans* Small 20850, 18134  
R 20850 U.S. - Florida (L. Wales Ridge) 20850
- R** *Coelidium minimum* Granby 20604  
R 20604 South Africa - Cape Province 20604
- R** *Coelidium obtusilobum* Granby 20604  
R 20604 South Africa - Cape Province 20604
- R** *Coelidium vlokii* A.L.Schutte & B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- E** *Cojoba chazutense* (Standley) L. Rico 18200  
E 9446 Peru 18200
- I** *Colutea atabaevii* B. Fedtsch. 5942  
I 5942 Turkmenistan (Ashkhabad) 5942
- I** *Colutea insularis* Browicz  
I Greece
- I** *Colutea komarovii* Takht. 5942  
I 5942 Armenia 5942
- R** *Colutea melanocalyx* Boiss. & Heldr. ssp.  
*melanocalyx* 12840  
R 20618 Turkey 20618
- E** *Copaifera camibar* Poveda, Zamora & P.E.  
Sánchez 20883, 19943  
E 19943 Costa Rica 20883
- V** *Copaifera chodatiana* Hassler 20883  
V 20883 Paraguay 20883
- R** *Copaifera epunctata* Amshoff 8679  
R 8679 Suriname 8679
- V** *Copaifera langsdorffii* var. *glabra*  
Benth. 20883  
V 20883 Paraguay 20883
- R** *Copaifera langsdorffii* Desf. var.  
*langsdorffii* 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883  
I 20883 Venezuela 20883
- V** *Copaifera panamensis* (Britt.) Standl. 20883, 9006  
V 19577 Panama 20883
- R** *Cordeauxia edulis* Hemsley  
R 20884 Ethiopia 20884  
R 20884 Somalia 20884
- R** *Cordyla densiflora* Milne-Redh. 19532  
R 19532 Tanzania (Ruaha valley) 20921
- V** *Cordyla haraka* Capuron 21038  
? Madagascar (North East) 21038
- R** *Cordyla somalensis* J.B.Gillett 12346  
R 20884 Somalia 12346
- V** *Coursetia apantensis* M. Sousa 20883, 10162  
I 20883 Nicaragua 20883
- V** *Coursetia elliptica* M. Sousa & Rudd 20883  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883
- V** *Coursetia glabella* (Gray) Lavin 20850  
E 20850 U.S. - Arizona 20850  
? Mexico 18826
- E** *Coursetia insomniifolia* Lavin 20883  
E 20883 Mexico 20883
- E** *Coursetia oaxacensis* M. Sousa & V. Rudd 20883, 9742  
I 20883 Mexico 20883  
? Mexico - Guerrero 9742  
? Mexico - Oaxaca 9742
- E** *Coursetia paucifoliolata* M. Sousa 20883, 10162  
I 20883 Nicaragua 20883
- E** *Coursetia polyphylla* var. *acutifolia* Lavin & M.  
Sousa 20883, 9742  
V 11967 Nicaragua 20883
- E** *Coursetia polyphylla* var. *breviloba* M. Sousa &  
Lavin 20883  
I 20883 Guatemala 20883  
I 20883 Honduras 20883  
I 20883 Nicaragua 20883
- R** *Coursetia vicioides* (Nees & Mart.) Benth 16692  
R 16692 Brazil - Bahia 16692
- E** *Coursetia weberbaueri* Harms 18200  
E 9446 Peru 18200
- V** *Craibia atlantica* Dunn 20274  
V 20858 Cameroon 20274  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 20274  
V 20858 Nigeria 7926
- I** *Crotalaria adolfi* Harms 19531  
I 5926 Tanzania (Njombe & Rungwe ) 19531
- E** *Crotalaria avonensis* K.R. DeLaney & Wunderlin 20850,  
17887  
E 20850 U.S. - Florida (L. Wales Ridge) 20850
- E** *Crotalaria awasensis* Thulin 19704

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Crotalaria*

- E 19704 Ethiopia (Shewa Upland; Sidamo) 19704
- R** *Crotalaria ballyi* Polhill 7959  
R Kenya 7959
- I** *Crotalaria bidiei* Gamble  
I India - Tamil Nadu (Wynaad, Nilgiri Hills)
- E** *Crotalaria boudeatii* Polhill 12346  
E 19704 Ethiopia (Harerge) 19704
- I** *Crotalaria bourneae* Fyson  
I India - Tamil Nadu
- R** *Crotalaria chiayiana* Liu & Lu 20511  
R 20511 Taiwan 20511
- I** *Crotalaria clarkei* Gamble  
I India - Tamil Nadu
- E** *Crotalaria clavata* Wight & Arn. 11494  
E 11494 India - Tamil Nadu 11494
- I** *Crotalaria conferta* Fyson  
I India - Tamil Nadu (Palani Hills, Madurai Dist)
- I** *Crotalaria dasyclada* Polhill 19531  
I 5926 Tanzania (Ufipa) 19531
- R** *Crotalaria desaegeri* R. Wilczek 19358  
R 19358 Zaire (Bas-Katanga) 19358
- R** *Crotalaria digitata* Hook.  
R 13883 India - Karnataka 13883  
R 13883 India - Tamil Nadu 13883
- I** *Crotalaria diminuta* Polhill 19531  
I 5926 Tanzania (Dodoma) 19531
- E** *Crotalaria exaltata* Polhill 19703  
E 19704 Ethiopia (Shewa Upland, Bale, Sidamo, Kefa) 19704
- E** *Crotalaria fallax* Chiov. 19704  
E 19704 Ethiopia (Sidamo) 19704
- I** *Crotalaria filipes* Benth.  
I India - Karnataka (South Canara)
- E** *Crotalaria fysonii* Dunn var. *glabra*  
Gamble  
E 13883 India - Tamil Nadu (Palani Hills, Madurai Dist) 13883
- R** *Crotalaria glabripedicellata* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R** *Crotalaria globosa* Wight & Arn.  
R 13883 India - Karnataka (Mysore) 13883  
R 13883 India - Tamil Nadu 13883
- R** *Crotalaria haumaniana* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- I** *Crotalaria hemsleyi* Milne-Redh. 19531  
I 5926 Tanzania (Morogoro) 19531
- E** *Crotalaria heterotricha* Polhill 19704  
E 19704 Ethiopia (Harerge) 19704
- E** *Crotalaria hypargyria* Chiov. 19704  
E 19704 Ethiopia (Bale) 19704
- I** *Crotalaria inopinata* (Harms) Polhill 19531  
I 5926 Tanzania (Morogoro Distr.) 19531
- R** *Crotalaria intonsa* Polhill 19704  
R 19704 Ethiopia (Gonder, Shewa Upland, Kefa, Sidamo) 19704
- E** *Crotalaria jijigensis* Thulin 19704  
E 19704 Ethiopia (Harerge) 19704
- R** *Crotalaria kambanguensis* R. Wilczek 19358  
R 19358 Zaire (Kasai) 19358
- E** *Crotalaria kodaiensis* Debberm. & Biswas 11494  
E 11494 India - Tamil Nadu (Kodaikanal hills) 11494
- R** *Crotalaria kundelunguensis* Baker f. 19358  
R 19358 Zaire (Haut-Katanga) 19358
- I** *Crotalaria laxiflora* Bak. 19531  
I 5926 Tanzania (Ufipa) 19531
- E** *Crotalaria longipes* Wight & Arn. 11494  
E 11494 India - Tamil Nadu (Kolli & Nilgiri hills) 11494
- R** *Crotalaria lusamboensis* R. Wilczek 19358  
R 19358 Zaire (Kasai) 19358
- R** *Crotalaria lutescens* Daz.  
R 13883 India - Karnataka (South Canara) 13883  
R 13883 India - Maharashtra 13883
- R** *Crotalaria malaissei* Polhill 12346  
R 19358 Zaire 19358
- I** *Crotalaria melanocalyx* Polhill 19531  
I 5926 Tanzania (Ufipa District) 5926
- R** *Crotalaria meyeriana* Steud. 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R** *Crotalaria micheliana* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R** *Crotalaria milneana* R. Wilczek 19358  
R 19358 Zaire (Bas-Katanga) 19358
- I** *Crotalaria noveoides* Griff. 13883  
I 13883 India - Meghalaya 13883
- I** *Crotalaria ovata* Polhill 19531  
I 5926 Tanzania (Iringa) 5926
- R** *Crotalaria peduncularis* Graham ex Wight & Arn. 11494  
R 11494 India - Kerala (Travancore) 11494  
R 11494 India - Tamil Nadu 11494
- I** *Crotalaria perlaxa* Polhill 19531  
I 5926 Tanzania (Tunduru District) 5926
- E** *Crotalaria polhillii* Thulin 19704  
E 19704 Ethiopia (Shewa Upland, Kefa) 19704
- R** *Crotalaria polyantha* Taubert 12346  
R 19358 Zaire 19358
- R** *Crotalaria priestleyoides* Benth. ex Baker 11494  
R 11494 India - Karnataka 11494  
R 11494 India - Tamil Nadu 11494
- R** *Crotalaria pteropoda* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R** *Crotalaria rigida* Heyne ex Roth 11494  
R 11494 India - Andhra Pradesh (Krishna) 11494  
R 11494 India - Karnataka 11494  
R 11494 India - Tamil Nadu 11494
- R** *Crotalaria rupicola* Baker f. 19358  
R 19358 Zaire (Haut-Katanga) 19358
- E** *Crotalaria ruspoliana* Chiov. 19704  
E 19704 Ethiopia (Sidamo) 19704
- R** *Crotalaria rzadowskii* Espinosa 9794  
R 19755 Mexico 9794
- E** *Crotalaria sacculata* Chiov. 19704  
E 19704 Ethiopia (Sidamo) 19704
- E** *Crotalaria sandoorensis* Beddome ex Gamble 11494  
E 11494 India - Karnataka (Sandoor Hills, Bellary Dt) 11494
- R** *Crotalaria sabra* Gamble 13883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Crotalaria*

- R 13883 India - Tamil Nadu 13883
- R *Crotalaria schmitzii* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R *Crotalaria sengensis* Baker f. 19358  
R 19358 Zaire (Haut-Katanga) 19358
- V *Crotalaria shevaroyensis* Gamble  
V 18228 India - Tamil Nadu 18228
- R *Crotalaria similis* Hemsl. 20511  
R 20511 Taiwan 20511
- R *Crotalaria stanerana* Baker f. 19358  
R 19358 Zaire (Haut-Katanga) 19358
- R *Crotalaria strigulosa* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R *Crotalaria tamboensis* R. Wilczek 19358  
R 19358 Zaire (Haut-Katanga) 19358
- E *Crotalaria trifoliolata* Baker f. 19704  
E 19704 Ethiopia (Bale) 19704
- Ex *Crotalaria urbaniana* Senn 5607  
Ex 19105 Cuba (Granma) 5607
- E *Crotalaria vialettei* Battand. 10488  
E 14958 Algeria 10488
- E *Crudia zeylanica* (Thwaites) Benth. 10252  
E 16162 Sri Lanka 10252
- V *Cryptosepalum tetraphyllum* (Hook.f.) Benth. 12346  
V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 20274  
V 20858 Guinea 20274  
V 20858 Liberia 20274  
V 20858 Sierra Leone 20274
- E *Cullen holubii* (Burt Davy) C.H.Stirt. 20604  
E 20604 South Africa - Transvaal 20604
- I *Cyclopia bowieana* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- I *Cyclopia burtonii* Hofmeyer & E.Phillips 20604  
I 20604 South Africa - Cape Province 20604
- V *Cyclopia latifolia* DC. 20604  
V 20604 South Africa - Cape Province 20604
- E *Cyclopia longifolia* Vogel 20604  
E 20604 South Africa - Cape Province 20604
- R *Cyclopia squamosa* A.L.Schutte 20604  
R 20604 South Africa - Cape Province 20604
- V *Cynometra beddomei* Prain 14782  
V 18228 India - Kerala (Wynaad) 14782
- V *Cynometra bourdillonii* Gamble 11494  
V 11494 India - Karnataka 11494
- V *Cynometra brachyrrhachis* Harms 19532  
V 20885 Tanzania (Tanga Region) 20900
- I *Cynometra cubensis* A. Rich. 5607  
I 20990 Cuba (Pinar del Rio) 5607
- I *Cynometra engleri* Harms 19532  
I 5926 Tanzania (Tanga Region) 20900
- E *Cynometra filifera* Harms 19532  
E 20885 Tanzania (Lindi) 19532
- E *Cynometra gillmanii* Leon 19532  
E 20885 Tanzania (Kilwa) 19532
- I *Cynometra longipedicellata* Harms 19532  
I 5926 Tanzania (Tanga) 20900
- R *Cynometra travancorica* Beddome  
R 13883 India - Karnataka 13883
- R 13883 India - Kerala (Travancore Hills) 13883  
R 13883 India - Tamil Nadu (Tirunelveli Hills) 13883
- V *Cynometra ulugurensis* Harms 19532  
V 20885 Tanzania (Morogoro) 19532
- R *Cytisus acutangulus* Jaub & Spach 12840  
R 20618 Turkey 20618
- V *Cytisus aeolicus* Guss. ex Lindl. 8000, 20171  
V 19997 Italy 19997
- R *Cytisus ardoini* Fourn. 20528  
R 20528 France (Alpes-Maritimes) 20528
- R *Cytisus emeriflorus* Rehb. 18264, 20171  
R 18264 Italy 18264  
E 18154 Switzerland 18154
- V *Cytisus moleroi* Fernandez Casas  
V 19818 Spain (Malaga) 19818
- R *Cytisus sauzeanus* Burnat & Briq. 20171  
R 20528 France (mountains near Grenoble) 20528
- V *Dalbergia cearensis* Ducke 20883, 17685  
V 20883 Brazil 20883
- E *Dalbergia darienensis* Rudd 20883, 10747  
I 20883 Panama 20883
- V *Dalbergia decipularis* Rizz. & Matt. 20883, 17685  
V 20883 Brazil 20883
- R *Dalbergia eremicola* Polh. 7959  
R 20057 Kenya (Northern Frontier Province) 7959  
R 20884 Somalia 12346
- V *Dalbergia frutescens* var. *tomentosa* Standl. 20883, 17685  
V 20883 Brazil 20883  
? Brazil - Bahia (Dry forests) 17685
- E *Dalbergia funera* Standley 9004  
E 10359 El Salvador 9004  
E 9443 Guatemala 9004
- V *Dalbergia fusca* Pierre var. *enneandra* Zou & Liu 17617  
V 17617 China - Yunnan 11139
- R *Dalbergia nigra* Allem. ex Benth. 20883, 10370  
R 20883 Brazil 20883  
V 17746 Brazil - Bahia (east forests) 13928  
V 17746 Brazil - Espirito Santo 13928  
I 10370 Brazil - Minas Gerais 13928  
I 10370 Brazil - Rio de Janeiro 13928  
V 21011 Brazil - Sao Paulo 21011
- E *Dalbergia odorifera* T. Chen 17617  
? China 21059  
E 17617 China - Hainan Is. 11139
- E *Dalbergia setifera* Hutch. & Dalz. 7926  
E 20858 Ghana (Sekondi) 7926
- V *Dalbergia tonkinensis* Prain 6057  
? China 21310  
V 20985 Vietnam 20065
- V *Dalea adenopoda* (Rydb.) Isely 20850  
I 20850 U.S. - Florida 20850
- E *Dalea azurea* (Philippi) Reiche 15088  
E 13875 Chile 13875
- E *Dalea bartonii* Barneby 20850  
E 20850 U.S. - Texas 20850
- E *Dalea carthagensis* Barneby var. *portoricana* R.C. Barneby 20883.  
V Puerto Rico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Dalea*

- V** *Dalea foliosa* (Gray) Barneby 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Illinois 20850  
**I** 20850 U.S. - Ohio 20850  
**V** 20850 U.S. - Tennessee 20850
- R** *Dalea hallii* Gray 20850  
**R** 20850 U.S. - Texas 20850
- V** *Dalea reverchonii* (S.Watson) Shinnery 20850  
**V** 20850 U.S. - Texas 20850
- E** *Dalea sabinalis* (S.Watson) Shinnery 20850  
**E** 20850 U.S. - Texas 20850
- E** *Dalea tentaculoides* H.C. Gentry 20850  
**E** 20850 U.S. - Arizona 20850
- R** *Dalea tenuicaulis* Hook.f. 11117  
**R** Ecuador - Galapagos 11117
- E** *Daviesia bursarioides* Crisp ms. 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Daviesia chapmanii* Crisp ms. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Daviesia crassifolia* Crisp ms. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Daviesia discolor* Pedley 20681  
**V** 20681 Australia - Queensland 20681
- R** *Daviesia elliptica* Crisp 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Daviesia euphorbioides* Benth. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Daviesia laevis* Crisp 20681  
**V** 20681 Australia - Victoria 20681
- V** *Daviesia megacalyx* Crisp ms. 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Daviesia microcarpa* Crisp ms. 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Daviesia microphylla* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Daviesia ovata* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Daviesia oxylobium* Crisp ms. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Daviesia pectinata* Lindley 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- V** *Daviesia pseudaphylla* Crisp ms. 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Daviesia purpurascens* Crisp 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Daviesia quoquoversus* Crisp 20681  
**R** 20681 Australia - Queensland 20681
- V** *Daviesia speciosa* Crisp ms. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Daviesia spiralis* Crisp 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Daviesia stricta* Crisp 20681  
**R** 20681 Australia - South Australia 20681
- R** *Daviesia suaveolens* Crisp 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Delonix baccal* (Chiov.) Baker f. 20556  
**R** 20884 Ethiopia 7959
- R** 20884 Kenya 6073  
**R** 20884 Somalia (south) 20884
- I** *Delonix regia* (Bojer ex Hook.) Raf. 21039  
**I** 14010 Madagascar (West & North) 21039
- R** *Desmanthus reticulatus* Benth. 20850  
**R** 20850 U.S. - Texas 20850
- V** *Desmodium acanthocladium* F.Muell. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Desmodium ciliare* (Muhl. ex Willd.) DC. 11560  
**Ex** 13967 Canada - Ontario 13967  
**I** 13967 U.S. - Kansas 13967  
**E/V** 13967 U.S. - New York 13967  
**E** 13967 U.S. - Rhode Is. 13967  
**R** 11560 Belize 11560  
**R** 11560 Honduras 11560
- E** *Desmodium humifusum* (Muhl. ex Bigelow) Beck 20850  
**E** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - Delaware 20850  
**E** 20850 U.S. - Indiana 20850  
**Ex/E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Massachusetts 20850  
**Ex/E** 20850 U.S. - New Jersey 20850  
**Ex/E** 20850 U.S. - New York 20850  
**I** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Pennsylvania 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Desmodium johnstonii* Standley ex B.G. Schubert 11560  
**R** 11560 Guatemala 11560  
**R** 11560 Nicaragua 11560
- I** *Desmodium jucundum* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- E** *Desmodium kaalense* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- R** *Desmodium lindheimeri* Vail 8058  
**Ex** 11560 U.S. - Texas 8058  
**R** 11560 Mexico 8058
- R** *Desmodium macrocarpum* Domin 20681  
**R** 20681 Australia - Queensland 20681
- V** *Desmodium ochroleucum* M.A. Curtis ex Canby 20850  
**I** 20850 U.S. - Alabama 20850  
**Ex/E** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Florida 20850  
**Ex/E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Mississippi 20850  
**Ex** 20850 U.S. - Missouri 20850  
**Ex** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - North Carolina 20850  
**Ex/E** 20850 U.S. - Tennessee 20850  
**E** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Desmodium saccatum* Schubert 20883, 10747  
**I** 20883 Panama 20883
- E** *Desmodium stenophyllum* Harms 20893  
**E** 20893 New Caledonia 20893
- I** *Desmodium tenuipes* (S.F. Blake) B.G. Schubert 9004  
**I** 11560 Guatemala 9004
- R** *Desmodium wightii* Graham ex Wight & Arn.  
**R** 18228 India - Tamil Nadu (Nilgiri & Palani Hills) 18228
- R** *Desmodium wittei* Schubert 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Desmodium wynaadense* Beddome ex Gamble  
**R** 18228 India - Kerala (Travancore Hills) 18228  
**R** 18228 India - Tamil Nadu 18228

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Desmodium*

- I** *Dialium travancoricum* Bourd. 14782  
**I** 14782 India - Kerala 14782
- I** *Dichrostachys dehiscentis* Balf. f. 15534  
**I** 15534 Yemen - Socotra 15534
- R** *Dicraeopetalum stipulare* Harms 6073  
**V** 20057 Ethiopia 7959  
**V** 20057 Kenya 6073  
**R** 20884 Somalia (central & south) 20884
- V** *Didelotia idae* Oldem., De Wit. & Leon. 12346  
**V** 20858 Benin  
**V** 20858 Cameroon  
**V** 20858 Côte d'Ivoire  
**V** 20858 Ghana 20274  
**V** 20858 Liberia  
**V** 20858 Nigeria  
**V** 20858 Sierra Leone 20274  
**V** 20858 Togo
- V** *Didelotia unifoliolata* Leonard 20274  
**V** 20858 Cameroon 16174  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 7926  
**V** 20858 Sierra Leone 7926  
**V** 20858 Zaire (Forestier Central)
- R** *Dillwynia stipulifera* Blakely 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Dillwynia tenuifolia* DC. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Dimorphandra campinarum* Ducke 20883  
**I** 20883 Brazil 20883
- V** *Dimorphandra coccinea* Ducke 20883  
**I** 20883 Brazil 20883
- R** *Dimorphandra cuprea* ssp. *ferruginea* (Ducke) Freitas da Silva 20883  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883
- R** *Dimorphandra davisii* Sprague et Sandwith 20883  
**I** 20883 Guyana 20883  
**I** 20883 Venezuela 20883
- E** *Dimorphandra dissimilis* Cowan 20883  
**I** 20883 Venezuela 20883
- E** *Dimorphandra gigantea* Ducke 20883  
**I** 20883 Brazil 20883
- V** *Dimorphandra ignea* Ducke 20883  
**I** 20883 Brazil 20883
- V** *Dimorphandra jorgei* Freitas da Silva 20883  
**I** 20883 Brazil 20883
- E** *Dimorphandra lorentensis* Freitas da Silva 20883  
**I** 20883 Peru 20883
- R** *Dimorphandra macrostachya* ssp. *congestiflora* (Sprague et Sandwith) Freitas da Silva 20883  
**I** 20883 Guyana 20883
- E** *Dimorphandra mediocris* Ducke 20883  
**I** 20883 Brazil 20883
- R** *Dimorphandra multiflora* Ducke 20883  
**I** 20883 Brazil 20883
- R** *Dimorphandra unijuga* Tulasne 20883  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883
- V** *Dimorphandra williamii* Freitas da Silva 20883  
**I** 20883 Guyana 20883
- E** *Dimorphandra wilsonii* Rizzini 20883
- I** 20883 Brazil 20883
- V** *Dioclea reflexa* J.D.Hook. 20681  
**V** 20681 Australia - Queensland 20681
- E** *Dipteryx alata* Vogel 10370  
**E** 10370 Brazil 10370
- R** *Diptychandra aurantiaca* Tul. ssp. *epunctata* (Tul.) Lima, Cawalho & Costa 16692  
**R** 16692 Brazil - Bahia 16692
- R** *Dolichos argyros* R. Wilczek 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- I** *Dolichos cardiophyllus* Harms 19531  
**I** 5926 Tanzania (Iringa) 19531
- I** *Dolichos ciliatus* Klein  
**I** India - Tamil Nadu (east coast)
- R** *Dolichos complanatus* De Wild. 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Dolichos sericophyllus* R. Wilczek 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Dolichos trilobus* L. 20511  
**R** 20511 Taiwan 20511
- R** *Dolichos zovuanyi* R. Wilczek 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Dorycnium amani* Zohary 12840  
**R** 12840 Turkey 12840
- R** *Dorycnium axilliflorum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Dorycnium broussonetii* Webb. & Beth. 10260  
**R** 20750 Spain - Canary Is. 20750
- R** *Dorycnium eriophthalmum* Webb & Berthel. 20750  
**R** 20750 Spain - Canary Is. 20750
- R** *Dorycnium pentaphyllum* Scop. ssp. *fulgurans* Cardona, Llorens & E. Sierra 20645  
**R** 20647 Spain - Balearic Is. 20645
- V** *Dorycnium pentaphyllum* Scop. ssp. *transmontana* Franco 20076  
**V** 20076 Portugal 20076
- V** *Dorycnium sanguineum* Vural 12840  
**V** 12840 Turkey 12840
- E** *Dorycnium spectabile* Webb & Berthel. 17891  
**E** 20750 Spain - Canary Is. 17891
- R** *Droogmansia chevalieri* (Harms) Hutch. & Dalz. 7926  
**R** Guinea (Bilima) 7926
- R** *Droogmansia elongata* Schubert 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Droogmansia lancifolia* Schindler 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Droogmansia longirhachis* Schubert 12346  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Droogmansia montana* Jacq.-Fel. 7926  
**R** Guinea 7926
- R** *Dumasia miaoliensis* Liu & Lu 20511  
**R** 20511 Taiwan 20511
- R** *Ebenus armitagei* Schweinf. & Taubert 16168  
**E** 16168 Egypt (Ras El Hekma) 16168  
**R** Libya 16168
- R** *Ebenus barbiger* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Ebenus boissieri* Barber 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Ebenus*

- R 12840 Turkey 12840
- R *Ebenus bourgaei* Boiss. 12840  
R 12840 Turkey 12840
- R *Ebenus cappadocica* Hausskn. & Siehe ex Bornm. 12840  
R 12840 Turkey 12840
- R *Ebenus depressa* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Ebenus haussknechtii* Bornm. ex Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Ebenus laguroides* Boiss. var. *cilicica* (Boiss.)  
Bornm. 12840  
R 12840 Turkey 12840
- R *Ebenus longipes* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Ebenus pisidica* Huber-Mor. & Reese 12840  
R 12840 Turkey 12840
- R *Ebenus plumosus* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Ebenus reesei* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Ebenus sibthorpii* DC. 20711  
R 20731 Greece - East Aegean Is 20731
- Ex/E *Echinopartum albigicum* Talever & Mpauho 20660.  
20665  
Ex/E 20665 Spain (Málaga, Sierra Gratalema) 20665
- R *Eleiotis trifoliolata* Cooke 14782  
R 14782 India - Karnataka (eastern) 14782
- R *Elephantorrhiza obliqua* Burt Davy 12346  
R 12346 South Africa 12346
- I *Elephantorrhiza woodii* E. Phillips 12346  
I 12346 Lesotho 12346  
I 12346 South Africa 12346
- R *Entada koshunensis* 20854  
R 20854 Taiwan 20854
- I *Entada mossambicensis* Torre 7749  
I Mozambique 7749
- R *Entada pursaetha* DC. var. *formosana* (Kaneh.)  
Ho 20511  
R 20511 Taiwan 20511
- V *Eremosparton aphyllum* (Pall.) Fisch. &  
C.A.Mey. 8000, 20171  
V 11552 Russian Federation (Caucasus, west)  
11552
- I *Eriosema arachnoideum* Verdc. 19531  
I 5926 Tanzania (Iringa) 19531
- R *Eriosema brachybotrys* Harms 19358  
R 19358 Zaire (Haut-Katanga) 19358
- I *Eriosema buchananii* Baker f. var. *subprostratum*  
Verdc. 19531  
I 5926 Tanzania (Mbeya, Rungwe, Njombe) 19531
- I *Eriosema chrysadenum* Taub. var. *grandiflorum*  
Verdc. 19531  
I 5926 Tanzania (Njombe ) 19531
- R *Eriosema dregei* E.Mey. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Eriosema humile* Hauman 19358  
R 19358 Zaire (Kasai) 19358
- R *Eriosema latifolium* (Benth. ex Harv.)  
C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Eriosema naviculare* C.H.Stirt. 20604  
R 20604 South Africa - Transvaal 20604
- I *Eriosema pseudodistinctum* Verdc. 19531  
I 5926 Tanzania (Iringa) 19531
- R *Eriosema tenuicaule* Hauman 19358  
R 19358 Zaire (Kasai) 19358
- I *Eriosema transvaalense* C.H.Stirt. 20604, 20039  
I 20039 Southern Africa 20039  
K 20604 Swaziland 20604  
I 20604 South Africa - Transvaal 20604
- E *Eriosema tuberosum* A. Rich. 19704  
E 19704 Ethiopia (Tigray Upland, Gonder.) 19704
- R *Eriosema umtamvunense* C.H.Stirt. 20604  
R 20604 South Africa - Natal 20604
- V *Erythrina acunae* Borh. 5607  
V 19105 Cuba (Holguin) 5607
- R *Erythrina boninensis* Tuy. 8038  
R Japan - Ogasawara-shoto 8038
- V *Erythrina burana* Chiov. 19704  
V 19704 Ethiopia (Harerge) 19704
- I *Erythrina dominguezii* Hassler 16336  
I 16336 Argentina 16336  
I 20176 Argentina - Chaco 20176  
I 20176 Argentina - Formosa 20176  
I 20176 Argentina - Salta 20176
- E *Erythrina eggersii* Krukoff & Moldenke 20883, 19002  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- V *Erythrina elenae* Howard & Briggs 5607  
V 19105 Cuba (Cienfuegos) 5607
- E *Erythrina furcatifolia* M. Gilbert 19704  
E 19704 Ethiopia (Sidamo) 19704
- I *Erythrina greenwayi* Verdc. 19531  
I 5926 Tanzania (Ruaha valley) 20921
- E *Erythrina sareciana* M. Gilbert 19704  
E 19704 Ethiopia (Bale) 19704
- Ex *Erythrina schliebenii* Harms 19531  
Ex 20885 Tanzania (Lindi) 19531
- E *Erythrina tahitensis* Nadeaud 20845  
E 20845 French Polynesia - Society Is. (Tahiti)  
20845
- R *Exostyles venusta* Schott 16692  
R 16692 Brazil - Bahia 16692
- V *Eysenhardtia spinosa* Engelm. 20850  
V 20850 U.S. - Texas 20850
- R *Flemingia gracilis* (Mukerjee) Ali 14782  
R 14782 India - Karnataka 14782  
R 14782 India - Maharashtra 14782
- V *Galactia acunana* Borh. & Muniz 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Galactia eggersii* Urban 20883, 15106  
I 20883 Puerto Rico 20883  
I 20883 British Virgin Is. (Tortola; Guana)  
20883  
I 20883 USA - Virgin Is. (St John; St Thomas)  
20883
- V *Galactia herradurensis* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Galactia*

- E** *Galactia isopoda* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- E** *Galactia jenningsii* Britton 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- I** *Galactia laxiflora* Urb. 20883, 13336  
**I** 19890 Dominican Republic 18329  
**E** 13336 Jamaica 20883
- V** *Galactia pinetorum* Small 20850  
**V** 20850 U.S. - Florida 20850
- E** *Galactia sangsterae* Proctor 20883, 13336  
**E** 19890 Jamaica 20883
- E** *Galactia smallii* H.J. Rogers ex Herndon 20850  
**E** 20850 U.S. - Florida 20850
- V** *Galactia uniflora* Urb. 20883  
**E** 20883 Jamaica 20883
- E** *Galega somalensis* (Harms) J.B.Gillett 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- V** *Gastrolobium appressum* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Gastrolobium callistachys* Meisner 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Gastrolobium glabratum* Crisp ms. 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Gastrolobium glaucum* C.Gardner 20681  
**E** 20681 Australia - Western Australia 20681
- E** *Gastrolobium granticum* (S.Moore) Crisp 20681  
**E** 20681 Australia - Western Australia 20681
- E** *Gastrolobium hamulosum* Meisner 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Gastrolobium ovalifolium* Henfrey 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Gastrolobium tomentosum* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Genista acanthoclada* DC. ssp. *fasciculata* (Knoche)  
**O.** Bolos & Vigo  
**R** Spain - Balearic Is.
- R** *Genista burdurensis* P. Gibb 12840  
**R** 20618 Turkey 20618
- V** *Genista dorycnifolia* Font Quer 8000, 20171  
**V** 11496 Spain - Balearic Is. (Ibiza) 11496
- R** *Genista dorycnifolia* Font Quer var. *grosii* (Font Quer) Font Quer & Rothm. 20645  
**R** 20647 Spain - Balearic Is. 20645
- R** *Genista halacsyi* Heldr. 20171  
**R** Greece
- V** *Genista holopetala* (Fleischm. ex W.D.J.Koch)  
**Bald.** 8000, 20171  
**I** 20852 Croatia 20852  
**E** 18264 Italy (Friuli-Venezia Giulia) 19997  
**V** 13662 Slovenia (western) 13662
- R** *Genista lanuginosa* Spach 20171  
**R** 11496 Spain (Malaga) 11496
- Ex/E** *Genista libanotica* Boiss. 20618  
**Ex/E** 20689 Turkey 20618
- R** *Genista lipskyii* Novopokr. & Schischkin  
**R** former USSR 6930
- R** *Genista lydia* Boiss. var. *antiochia* 20618  
**R** 20618 Turkey 20618
- Ex** *Genista melia* Boiss. 8000, 20171  
**Ex** 14155 Greece (Aegean) 8000
- R** *Genista millii* Heldr. ex Boiss. 20171  
**R** Greece
- V** *Genista morisii* Colla 18264, 20171  
**V** 18264 Italy - Sardinia 18264
- R** *Genista nissana* Petrovic 20171  
**R** (former) Yugoslavia
- R** *Genista nociva* Pau & Font Quer  
**R** Morocco
- R** *Genista parnassica* Halácsy 20171  
**R** Greece
- R** *Genista sakellariadis* Boiss. & Orph. 20171  
**R** Greece
- R** *Genista sandrasica* Hartvig & Strid 12840  
**R** 20618 Turkey 20618
- E** *Genista spinulosa* Pomel 10488  
**E** 14958 Algeria 10488
- I** *Genista tanaitica* P.A.Smiron. 8001, 20171  
**I** 5942 Ukraine 5942
- R** *Genista tenera* (Jacq. ex Murray) Kuntze  
**R** Portugal - Madeira
- R** *Genista teretifolia* Willk. 20171  
**R** 11496 Spain 11496
- E** *Genista tetragona* Besser 5942, 20171  
**E** 20655 Ukraine (southern) 20653
- V** *Genista tinctoria* L. ssp. *prostrata* Corillion, Figureau, Godeau 20528  
**V** 20528 France (Brittany) 20528
- V** *Genistella sagittalis* ssp. *undulata*  
**Ern** 15398  
**V** 15398 Spain (Sierra Nevada) 15398
- E** *Genistidium dumosum* I.M. Johnston 20883, 20850, 8058  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- E** *Gigasiphon macrosiphon* (Harms) Brennan 19532  
**E** 20057 Kenya (Mrima, Gongoni, Muhaka & Marenje forests) 20057  
**E** 20057 Tanzania (Usambara Hills & Lindi) 20900
- V** *Gilbertiodendron bilineatum* (Hutch. & Dalz.) J. Leonard 20274  
**V** 20858 Côte d'Ivoire 12346  
**V** 20858 Ghana 20274  
**V** 20858 Liberia 12346  
**V** 20858 Sierra Leone 12346
- I** *Gilbertiodendron klainei* (Pierre ex Pellegrin)  
**Leonard**  
**I** Gabon (Libreville)
- I** *Gilbertiodendron pachyanthum* (Harms) Leonard  
**I** Cameroon
- V** *Gilbertiodendron robynsianum* Aubrev. & Pellegr. 7926  
**V** 20887 Côte d'Ivoire (south-west) 20887
- V** *Gilbertiodendron splendidum* (Hutch. & Diels) J. Leonard 20274  
**V** 20858 Côte d'Ivoire 20274  
**V** 20858 Ghana 20274  
**V** 20858 Sierra Leone 20274
- V** *Gilletiodendron glandulosum* (Portères) J. Léonard 11751  
**V** Mali (Kita Massif) 11751
- I** *Gleditsia assamica* Bor 14782



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Gleditsia*

- I 14782 India (northeast) 14782
- R *Gleditsia pachycarpa* Balansa ex Gagnepain 6057  
R Vietnam 6057
- R *Gleditsia rolfei* L.M. Vidal 15399  
R 20854 Taiwan (Heng-ch'un) 20854
- E *Gleditsia vestita* Chun & How ex B.G. Li 17617  
E 17617 China - Hunan (Nanyu) 11139
- R *Glycine argyrea* Tindale 20681  
R 20681 Australia - Queensland 20681
- V *Glycine latrobeana* (Meisner) Benth. 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- E *Glycyrrhiza iconica* Hub.-Mor 17781  
E 17781 Turkey 17781
- R *Glycyrrhiza korschinskyi* Grig. 8000, 20171  
R 11552 Russian Federation (western, western Siberia) 11552
- V *Gompholobium virgatum* Sieber ex DC. var. *emarginatum* F.M.Bailey 20681  
V 20681 Australia - Queensland 20681
- R *Gonocytisus dirmilensis* Huber-Mor. 12840  
R 20618 Turkey 20618
- R *Guibourtia chodatiana* (Hassler) J. Léonard 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Gymnocladus angustifolius* (Gagnepain) Vidal 6057  
R Vietnam 6057
- R *Hammatolobium lotoides* Fenzl  
R Greece
- V *Harpalyce acunae* Borh. & Muniz 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V *Harpalyce angustiflora* Leon & Alain 5607  
V 19105 Cuba (Holguin) 5607
- V *Harpalyce baracoensis* Borh. & Muniz 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Harpalyce borhidii* Muniz 5607  
V 19105 Cuba (Holguin) 5607
- R *Harpalyce ekmanii* Urban 5607  
R 19105 Cuba (Holguin; Guantanamo) 5607
- V *Harpalyce flexuosa* Leon & Alain 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Harpalyce foliosa* Borh. & Muniz 5607  
V 19105 Cuba (Guantanamo) 5607
- R *Harpalyce maisiana* Leon & Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- R *Harpalyce mexicana* Rose 9798  
R 9706 Mexico 9798
- V *Harpalyce moana* Borh. & Muniz 5607  
V 19105 Cuba (Holguin, Guantanamo) 5607
- R *Harpalyce toaensis* Borh. & Muniz 5607  
R 19105 Cuba (Guantanamo) 5607
- R *Hedysarum antitauricum* Huber-Mor. & Yurdakulol 12840  
R 12840 Turkey 12840
- R *Hedysarum astragaloides* Benth. ex Baker  
R 13883 India - Himachal Pradesh 13883  
R 13883 India - Jammu & Kashmir 13883
- R *Hedysarum aucheri* Boiss. 12840  
R 12840 Turkey 12840
- E *Hedysarum boreale* Nutt. var. *gremiale* (Rollins) Northstrom & Welsh 20850  
E 20850 U.S. - Utah 20850
- R *Hedysarum boutignyuanum* Alleiz. 20171  
R France (south-west Alps)
- R *Hedysarum candidissimum* Freyn 12840  
R 12840 Turkey 12840
- R *Hedysarum cretaceum* Fisch. 8000, 20171  
R 11552 Russian Federation (south western) 11552
- R *Hedysarum laxum* Boiss. 12840  
R 12840 Turkey 12840
- R *Hedysarum macedonicum* Bornm. 20171  
R (former) Yugoslavia
- R *Hedysarum perrauderianum* Cosson & Durieu 12346  
R Algeria 10498
- V *Hedysarum pycnostachyum* Hedge & Huber-Mor. 12840  
V 12840 Turkey 12840
- V *Hedysarum rotundifolium* Boiss. & Noe 12840  
V 12840 Turkey 12840
- R *Hedysarum ucrainicum* Kaschm. 8000, 20171  
R 11552 Russian Federation (western) 11552
- I *Hedysarum ussurtense* I. Schischkin & Komarov 5942  
I 5942 Russia (Far East) - Primorye (south) 5942
- R *Hedysarum vanense* Hedge & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Hedysarum zeluanum* Pau  
R Morocco
- I *Hedysarum zundukii* Pesch. 5942  
I 5942 Russia (Siberia) - Irkutsk 5942
- R *Hippocrepis valentina* Boiss. 20171  
R 19174 Spain (North East Alicante Province) 20692
- E *Hoffmannseggia miranda* Sandw. 18200  
E 9446 Peru 18200
- E *Hoffmannseggia stipulata* Sandw. 18200  
E 9446 Peru 18200
- E *Hoffmannseggia tenella* Tharp & Williams 20850  
E 20850 U.S. - Texas (Nueces Co.) 20850
- R *Hoita strobilina* (Hook. & Arn.) Rydb. 20850  
I 20850 U.S. - California 20850
- R *Hovea corrickiae* J.H.Ross 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- E *Humboldtia bourdillonii* Prain 11494  
E 11494 India - Kerala (Peermade Ghats) 11494  
E 11494 India - Tamil Nadu (Courtallum Ghats) 11494
- R *Humboldtia decurrens* Beddome ex Oliver 11494  
R 11494 India - Kerala (south Western Ghats) 11494
- E *Humboldtia laurifolia* Vahl  
E 13883 India - Kerala (Malabar) 13883  
E 13883 Sri Lanka 13883
- E *Humboldtia unijuga* Beddome 9250  
E 11494 India - Kerala 11494  
E 11494 India - Tamil Nadu (Tirunelveli Hills) 11494

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Humboldtia*

- R** *Humularia descampsi* (De Wild. & T. Durand) Duvign. var. *nyassica* Duvign. 7867  
**R** Malawi 7867
- R** *Humularia elegantula* Duvign. 19358  
**R** 19358 Zaire (Kasai) 19358
- I** *Humularia multifoliolata* Verdc. 19531  
**I** 5926 Tanzania (Mpanda District) 19531
- R** *Humularia upembae* Duvign. 19358  
**R** 19358 Zaire (Bas-Kasai) 19358
- V** *Hymenaea davisii* Sandw. 20883  
**V** 20883 Guyana 20883
- R** *Hymenaea palustris* 17462  
**R** 19961 Peru 17462
- R** *Hymenaea stigonocarpa* var. *pubescens* Benth. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- V** *Hymenaea torrei* Leon 11840  
**V** 19105 Cuba (Oriente; Camaguey) 11840
- V** *Hymenostegia aubrevillei* Pellegrin 7926  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Nigeria 20274
- E** *Hymenostegia gracilipes* Hutch. & Dalz. 7926  
**E** 20858 Ghana 20274
- R** *Hymenostegia klainei* Pellegrin 12346  
**R** Gabon 12346
- R** *Hymenostegia normandii* Pellegrin 12346  
**R** Gabon 12346
- E** *Hymenostegia talbotii* Baker f. 7926  
**E** 20749 Nigeria (Eket) 7926
- V** *Indigofera amnoxylum* (DC.) Polhill 10082  
**V** 14234 Réunion 10082
- I** *Indigofera asterocalycina* Gilli 19531  
**I** 5926 Tanzania (Njombe District) 19531
- R** *Indigofera baileyi* F.Muell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Indigofera barberi* Gamble 11494  
**R** 11494 India - Andhra Pradesh (east Ghats) 11494  
**R** 11494 India - Tamil Nadu (east Ghats) 11494
- R** *Indigofera bybiensis* Hosok. 20854  
**R** 20854 Taiwan 20854
- R** *Indigofera caerulea* Roxb. var. *monosperma* (Santapau) Santapau  
**R** 13883 India - Gujarat 13883  
**R** 13883 India - Rajasthan 13883
- E** *Indigofera cana* Thulin 19704  
**E** 19704 Ethiopia (Wello Upland) 19704
- I** *Indigofera cedrorum* Dunn  
**I** India - Himachal Pradesh  
**I** India - Jammu & Kashmir
- I** *Indigofera caerulea* Roxb. var. *monosperma* Sant. 7771  
**I** India - Gujarat 7771
- R** *Indigofera constricta* (Thwaites) Trimen  
**R** 13883 India - Karnataka (Nikund Ghat) 13883  
**R** 13883 India - Kerala (Cochin) 13883  
**R** 13883 Sri Lanka 13883
- E** *Indigofera cubensis* Urban 5607  
**E** 19105 Cuba (Habana, Matanzas) 5607
- E** *Indigofera curvirostrata* Thulin 19704  
**E** 19704 Ethiopia (Sidamo) 19704
- R** *Indigofera dauensis* J.B.Gillett 7959  
**R** Kenya (Northern Frontier Province) 7959
- E** *Indigofera dembianensis* (Chiov.) J.B.Gillett 19704  
**E** 19704 Ethiopia (Tigray Upland, Gonder, Shewa Upland.) 19704
- R** *Indigofera dyeri* Britten var. *parviflora* J.B.Gillett 7917  
**R** Mozambique 7917
- E** *Indigofera efoliata* F.Muell. 20681  
**E** 20681 Australia - New South Wales 20681
- E** *Indigofera ellenbeckii* Bak F. 19704  
**E** 19704 Ethiopia (Harerge) 19704
- R** *Indigofera elwakensis* J.B.Gillett 7959  
**R** Kenya (Northern Frontier Province) 7959
- R** *Indigofera garissaensis* J.B.Gillett 7959  
**R** Kenya 7959
- I** *Indigofera hermannioides* J.B.Gillett 19531  
**I** 5926 Tanzania (Songea District) 19531
- E** *Indigofera kelleri* Baker F. 19704  
**E** 19704 Ethiopia (Harerge) 19704
- R** *Indigofera leptoclada* Harms 8003  
**R** Mali 8003  
**R** Senegal 8003
- E** *Indigofera marmorata* Balf. f. 15534  
**E** 15534 Yemen - Socotra 15534
- R** *Indigofera miniata* (Buckl.) B.L. Turner var. *texana* (Buckl.) B.L. Turner 20850  
**R** 20850 U.S. - Texas 20850
- R** *Indigofera mooneyi* Thulin 19704  
**R** 19704 Ethiopia (Welega, Shewa Upland, Kefa, Sidamo) 19704
- I** *Indigofera mwanzae* J.B.Gillett 19531  
**I** 5926 Tanzania (Kwimba, Mwanza) 19531
- I** *Indigofera nyassica* Gilli var. *viscidior* (J.B.Gillett) J.B.Gillett 19531  
**I** 5926 Tanzania (Songea District) 19531
- V** *Indigofera panamensis* Rydb. 20883, 10747  
**I** 20883 Panama 20883
- R** *Indigofera platypoda* E.Mey. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Indigofera pseudoevansii* Hilliard & B.L.Burt 20604  
**R** 20604 South Africa - Natal 20604
- V** *Indigofera pseudointricata* J.B.Gillett 15534  
**V** 15534 Yemen - Socotra 15534
- V** *Indigofera ramulosissima* Hosok. 20854  
**V** 20854 Taiwan 20854
- V** *Indigofera rothii* Bak. 19704  
**V** 19704 Ethiopia (Shewa Upland, Harerge) 19704
- R** *Indigofera schultziana* F.Muell. 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Indigofera simlensis* Ali  
**I** India - Himachal Pradesh
- E** *Indigofera socotrana* Vierh. 15534  
**E** 15534 Yemen - Socotra 15534
- E** *Indigofera sparsa* Bak. 19704  
**E** 19704 Ethiopia (Tigray Upland) 19704

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Indigofera*

- R** *Indigofera superba* C.H.Stirt. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Indigofera taylorii* J.B.Gillett 7959  
**I** 5926 Tanzania (Songea) 19531
- R** *Indigofera thesioides* Jarvie & C.H.Stirt. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Indigofera triquetra* E.Mey. 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Indigofera trita* var. *keyensis* (Small) Kartesz & Gandhi 20850  
**E** 20850 U.S. - Florida 20850
- E** *Inga allenii* J. Leon 20883, 10747  
**I** 20883 Panama 20883
- R** *Inga brachystachys* Ducke 8679  
**R** 8679 Guyana 8679  
**R** 8679 Suriname 8679
- R** *Inga commewijnensis* Miq. 8679  
**R** 8679 French Guiana 8679  
**R** 8679 Suriname 8679
- I** *Inga cynometroides* (Beddome) Baker 14782  
**I** 14782 India - Kerala (south Travancore Hills) 14782
- E** *Inga davidsoniae* Standl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Inga dominicensis* Benth. 10199  
**R** Dominica 10199
- V** *Inga hayesii* Benth. 20883, 9006  
**I** 20883 Panama 20883
- R** *Inga mucuna* Walp. & Duchass. 20883  
**R** 20883 Panama 20883
- V** *Inga pauciflora* Walp. & Duchass. 20883, 9006  
**I** 20883 Panama 20883
- E** *Inga saffordiana* Pitt. 20883, 9006  
**I** 20883 Panama 20883
- E** *Inga standleyana* Pitt. 20883, 9006  
**I** 20883 Panama 20883
- I** *Intsia acuminata* Merr. 12983  
**I** 15960 Philippines 12983
- E** *Itaobimia magalhaesii* Rizz. 19560  
**E** 19560 Brazil - Minas Gerais 19560
- R** *Jacksonia calycina* Domin 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Jacksonia compressa* Turcz. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Jacksonia velutina* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Julbernardia letouzeyi* J-F.Villiers 12346  
**R** Cameroon 12346
- E** *Kalappia celebica* Kosterm. 14185  
**E** Indonesia (Malili) 14185
- V** *Kennedia beckxiana* F.Muell. 20681, 10260  
**V** 20681 Australia - Western Australia 20681
- V** *Kennedia glabrata* (Benth.) Lindley 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Kennedia macrophylla* (Meisner) Benth. 20681, 10260  
**V** 20681 Australia - Western Australia 20681
- V** *Kennedia retrorsa* Hemsley 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Kingiodendron pinnatum* (DC.) Harms 14782, 21025  
**R** 14782 India - Karnataka 14782  
**R** 14782 India - Kerala 14782  
**R** 14782 India - Tamil Nadu 14782
- I** *Kotschyia capitulifera* (Baker) J. Dewit & Duvign. var. *grandiflora* Verdc. 7959  
**I** 5926 Tanzania (Kigoma) 5926
- R** *Kotschyia platyphylla* (Brenan) Verdc. 7959  
**R** Tanzania (Iringa) 7959
- R** *Kotschyia recurvifolia* (Taub.) F. White ssp. *longifolia* Verdc. 7959  
**R** Tanzania 7959
- I** *Kunsterlia altroviolacea* (Elm.) Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Labichea brassii* C.White & Francis 20681  
**R** 20681 Australia - Queensland 20681
- R** *Labichea buettneriana* F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- I** *Lasiobema flavum* De Wit  
**I** Malaysia - Peninsular Malaysia
- I** *Lasiobema scandens* (Linn.) de Wit. var. *horsefieldii* (Wallich ex Prain) de Wit  
**I** India - Assam  
**I** India - Meghalaya
- E** *Lathyrus biflorus* T.W. & J.P. Nelson 20850  
**E** 20850 U.S. - California 20850
- R** *Lathyrus bitlisicus* Pesmen 12840  
**R** 12840 Turkey 12840
- R** *Lathyrus cilicicus* Hayek & Siehe 12840  
**R** 12840 Turkey 12840
- R** *Lathyrus cyaneus* (Stev.) Koch var. *pinnatus* Davis 12840  
**R** 12840 Turkey 12840
- Ex** *Lathyrus dominianus* Litv. 6930  
**Ex** 6930 former USSR 6930
- E** *Lathyrus grimesii* Barneby 20850  
**R** 20850 U.S. - Nevada 20850
- V** *Lathyrus hitchcockianus* Barneby & Reveal 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Lathyrus jepsonii* E. Greene ssp. *jepsonii* 20850  
**V** 20850 U.S. - California 20850
- R** *Lathyrus kersianus* Davis 12840  
**R** 12840 Turkey 12840
- R** *Lathyrus layardii* J. Ball ex Boiss. 12840  
**R** 12840 Turkey 12840
- E** *Lothyrus lentiformis* Pitm. 8895  
**E** Israel (Upper Galilee) 8895
- V** *Lathyrus lycius* Boiss. 12840  
**V** 12840 Turkey 12840
- V** *Lathyrus neurolobus* Boiss. & Heldr. 20171  
**V** 20730 Greece - Crete 20730
- I** *Lathyrus nissolia* L. ssp. *futakii* Chriková 19321  
**I** 19321 Slovakia 19321
- R** *Lathyrus pancicii* (Jurisic) Adamovic 8000, 20171  
**Ex** 5204 Bulgaria (west) 5204  
**R** (former) Yugoslavia 8000
- V** *Lathyrus phaselitanus* Huber-Mor. & Davis 12840  
**V** 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Lathyrus*

- R *Lathyrus satdaghensis* Davis 12840  
R 12840 Turkey 12840
- R *Lathyrus stenolobus* Boiss. 12840  
R 12840 Turkey 12840
- R *Lathyrus tauricola* Davis 12840  
R 12840 Turkey 12840
- I *Lathyrus trachycarpus* (Boiss.) Boiss. 12840  
I 12840 Turkey 12840
- R *Lathyrus tracyi* Bradshaw 20850  
I 20850 U.S. - California 20850
- R *Lathyrus undulatus* Boiss. 12840, 20171  
R 12840 Turkey 12840
- V *Lathyrus vestitus* Nutt. ex Torr. & Gray ssp. *laetiflorus* (Greene) Broich 20850  
I 20850 U.S. - California 20850
- E *Lathyrus vestitus* Nutt. ex Torr. & Gray ssp. *vestitus* 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Leptoderris claessensii* De Wild. 19358  
R 19358 Zaire (Kasai) 19358
- R *Leptosema chapmanii* Crisp ms. 20681  
R 20681 Australia - Queensland 20681
- R *Lespedeza daurica* (Maxim.) Schindl. var. *shimadae* (Masamune) Masamune & Hosok. 20511  
R 20511 Taiwan 20511
- V *Lespedeza leptostachya* Engelm. 20850  
E 20850 U.S. - Illinois 20850  
V 20850 U.S. - Iowa 20850  
E 20850 U.S. - Minnesota 20850  
E 20850 U.S. - Wisconsin 20850
- R *Lespedeza satsumensis* Nakai 10572  
R 10572 Japan 10572
- R *Lessertia dykei* L.Bolus 20604  
R 20604 South Africa - Natal 20604
- I *Lessertia globosa* L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R *Lessertia sneeuwbergensis* Germish. 20604  
R 20604 South Africa - Cape Province 20604
- V *Leucaena confertiflora* var. *adenotheloidea* 21316  
V 21316 Mexico 21316
- V *Leucaena confertiflora* var. *confertiflora* 21316  
V 21316 Mexico 21316
- V *Leucaena cuspidata* 21316  
V 21316 Mexico 21316
- V *Leucaena greggii* 21316  
V 21316 Mexico 21316
- E *Leucaena involucrata* 21316  
E 21316 Mexico - Sonora 21316
- V *Leucaena lempirana* 21316  
V 21316 Honduras (northern) 21316
- E *Leucaena magnifica* 21316  
E 21316 Guatemala (Chiquimula) 21316
- E *Leucaena matudae* 21316  
E 21316 Mexico 21316
- V *Leucaena pueblana* 21316  
V 21316 Mexico - Puebla (Tehuacan) 21316
- R *Liparia boucheri* (E.G.H.Oliv. & Fellingham)
- A.L.Schutte 20604  
R 20604 South Africa - Cape Province 20604
- I *Loesenera walkeri* (A. Chev.) J. Léonard 12346  
I Gabon 12346
- E *Lonchocarpus calcaratus* Hermann 20883, 9006  
I 20883 Panama 20883
- E *Lonchocarpus chiricanus* Pitt. 20883, 9006  
I 20883 Panama 20883
- R *Lonchocarpus chrysophyllus* Kleinhoonte 8679  
R 8679 French Guiana 8679  
R 8679 Guyana 8679  
R 8679 Suriname 8679
- E *Lonchocarpus ferrugineus* M. Sousa 20883  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883  
I 20883 Panama 20883
- E *Lonchocarpus guatemalensis* (Pitt.) Hermann var. *proteranthus* (Pittier) F.J. Herm. 20883, 9006  
I 20883 Panama 20883
- R *Lonchocarpus kanurii* Brenan & J.B.Gillett 20057  
V 20057 Kenya 20057  
R 20884 Somalia (south) 20884
- E *Lonchocarpus monticolus* M. Sousa 20883, 10162  
V 11967 Nicaragua 20883
- E *Lonchocarpus morenoi* M. Sousa 20883, 10162  
V 11967 Nicaragua 20883
- V *Lonchocarpus patens* Urb. 20883, 19890  
V 19890 Jamaica (Trelawny) 20883
- E *Lonchocarpus pilosus* M. Sousa 20883, 10162  
V 11967 Nicaragua 20883
- R *Lonchocarpus retiferus* Standley & L.O.Williams 9061  
R 11967 Nicaragua 9061
- V *Lonchocarpus verrucosus* M. Sousa 20883  
I 20883 Guatemala 20883  
I 20883 Mexico 20883  
I 20883 Nicaragua 20883
- R *Lotononis acocksii* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis acuminata* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis acutiflora* Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis anthyllopsis* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis arenicola* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis argentea* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis azureoides* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis carnea* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis complanata* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis comptonii* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis dahlgrenii* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis densa* (Thunb.) Harv. ssp. *congesta* B.-E.Van Wyk 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Lotononis*

- R 20604 South Africa - Cape Province 20604
- R *Lotononis densa* (Thunb.) Harv. ssp. *densa* 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis dissitinodis* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- I *Lotononis esterhuyseniana* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis exstipulata* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis globulosa* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- I *Lotononis gracilifolia* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- I *Lotononis harveyi* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- I *Lotononis holosericea* (E.Mey.) B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis involucrata* (P.J.Bergius) Benth. ssp. *bracteata* B.-E.Van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis involucrata* (P.J.Bergius) Benth. ssp. *digitata* B.-E.Van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- I *Lotononis lamprifolia* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis laticeps* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis longicephala* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis macrocarpa* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis magnifica* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis minima* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis minor* Dummer & Jenn. 20604  
R 20604 South Africa - Natal 20604
- R *Lotononis mollis* (E.Mey.) Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis newtonii* Dummer 20604  
R 20604 Angola 20604
- I *Lotononis oligocephala* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis pallens* (Eckl. & Zeyh.) Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis perplexa* (E.Mey.) Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotononis plicata* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- I *Lotononis polycephala* (E.Mey.) Benth. 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis purpurescens* B.-E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- I *Lotononis racemiflora* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis sutherlandii* Dummer 20604  
R 20604 South Africa - Natal 20604
- I *Lotononis venosa* B.-E.van Wyk 20604  
I 20604 South Africa - Cape Province 20604
- R *Lotononis viborgioides* Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R *Lotus aduncus* (Griseb.) Nyman 20171  
R Greece
- V *Lotus argophyllus* (Gray) Greene var. *niveus* (Greene) Munz 20883, 20850  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V *Lotus argyraeus* (Greene) Greene var. *multicaulis* (Otley) Isely 20850  
E 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Lotus argyraeus* (Greene) Greene var. *notitius* Isely 20850  
E 20850 U.S. - California 20850
- R *Lotus armeniacus* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R *Lotus azoricus* P.W.Ball 8000, 20171  
R 19174 Portugal - Azores 8000
- E *Lotus berthelotii* Masferrer 14908  
E 14908 Spain - Canary Is. 14908
- V *Lotus callis-viridis* D. Bramwell & D.H. Davis 17781  
V 20750 Spain - Canary Is. 17891
- R *Lotus campylocladus* Webb & Berthel. 10260  
R 19174 Spain - Canary Is. 19174
- E *Lotus crassifolius* Moran ex Isely var. *otayensis* Moran ex Isely 20850  
E 20850 U.S. - California 20850
- V *Lotus dendroideus* (Eastw. ex Noddin) Isely var. *traskiae* (Eastw. ex Noddin) Isely 20850  
V 20850 U.S. - California 20850
- R *Lotus drepanocarpus* Durieu 20171  
R Algeria  
R Tunisia
- V *Lotus dumetorum* Webb ex R.P. Murray 20750  
V 20750 Spain - Canary Is. 20750
- V *Lotus emeroideus* R.P. Murray 20750  
V 20750 Spain - Canary Is. 20750
- E *Lotus eremiticus* Santos 20750  
E 20750 Spain - Canary Is. 20750
- E *Lotus genistoides* Webb 20750  
E 20750 Spain - Canary Is. 20750
- R *Lotus granadensis* Chrtková 20171  
R Spain
- R *Lotus haydonii* (Orcutt) Greene 20850  
V 20850 U.S. - California 20850
- R *Lotus holosericeus* Webb & Berthel. 20750  
R 20750 Spain - Canary Is. 20750
- E *Lotus kunkelii* (E. Chueca) D. Bramwell & al. 17781  
E 20750 Spain - Canary Is. 17891
- E *Lotus leptophyllus* (Lowe) K. Larsen 20750  
E 20750 Spain - Canary Is. 20750
- R *Lotus macranthus* auct. azor., non Lowe 20171  
R Portugal - Madeira
- R *Lotus macrotrichus* Boiss.  
R Greece
- E *Lotus maculatus* Breitfeld 20750

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Lotus*

- E 20750 Spain - Canary Is. 20750
- V *Lotus mascaensis* Burchard 20750  
V 20750 Spain - Canary Is. 20750
- R *Lotus mlanjeanus* J.B.Gillett 7861  
R Malawi 7861
- E *Lotus nuttallianus* Greene 20883, 20850, 19002  
E 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V *Lotus oblongifolius* (Benth.) Greene var. *cupreus* (Greene) Ottley 20850  
V 20850 U.S. - California 20850
- R *Lotus procumbens* (Greene) Greene 20850  
I 20850 U.S. - California 20850
- E *Lotus pyranthus* Pérez 20750  
E 20750 Spain - Canary Is. 20750
- E *Lotus rubriflorus* H.K. Sharsmith 20850  
E 20850 U.S. - California 20850
- V *Lotus salvagensis* R.P. Murray  
V Portugal - Salvage Is.
- V *Lotus spartioides* Webb & Berthel. 20750  
V 20750 Spain - Canary Is. 20750
- R *Lotus unifoliolatus* (Hook.) Benth. var. *helleri* (Britt.) Kartesz & Gandhi 20850  
E 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Virginia 20850
- V *Lotus yollabolliensis* Munz 20850  
I 20850 U.S. - California 20850
- V *Lupinus abramsii* C.P. Sm. 20850  
I 20850 U.S. - California 20850
- E *Lupinus antoninus* Eastw. 20850  
E 20850 U.S. - California 20850
- V *Lupinus arboreus* Sims var. *eximius* (Burt-Davy) C.P. Sm. 20850  
V 20850 U.S. - California 20850
- E *Lupinus arequipensis* C.P. Smith 18200  
E 9446 Peru 18200
- E *Lupinus aridus* Douglas ex Lindley ssp. *ashlandensis* Cox 20850  
E 20850 U.S. - Oregon 20850
- V *Lupinus brevior* (Jepson) Christian & D. Dunn 20850  
I 20850 U.S. - California 20850
- R *Lupinus burkei* D. Dunn & Cox ssp. *caeruleomontanus* D. Dunn & Cox 20850  
R 20850 U.S. - Oregon 20850
- V *Lupinus caudatus* (Eastw.) Hess & D. Dunn ssp. *cutleri* (Eastw.) Hess & D. Dunn 20850  
V 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- R *Lupinus chamissonis* Eschsch. 20850  
I 20850 U.S. - California 20850
- V *Lupinus citrinus* Kellogg 20850  
V 20850 U.S. - California 20850
- V *Lupinus citrinus* Kellogg var. *citrinus* 20850  
V 20850 U.S. - California 20850
- E *Lupinus citrinus* Kellogg var. *deflexus* (Congd.) Jepson 20850  
E 20850 U.S. - California 20850
- R *Lupinus congdonii* (C.P. Sm.) D. Dunn 20850  
I 20850 U.S. - California 20850
- E *Lupinus constancei* T.W. & J.P. Nelson 20850  
E 20850 U.S. - California 20850
- V *Lupinus crassus* Payson 20850  
V 20850 U.S. - Colorado 20850
- R *Lupinus croceus* (Eastw.) Munz var. *pilosellus* (Eastw.) Munz 20850  
I 20850 U.S. - California 20850
- R *Lupinus culbertsonii* Greene 20850  
I 20850 U.S. - California 20850
- R *Lupinus culbertsonii* E. Greene ssp. *culbertsonii* 20850  
E 20850 U.S. - California 20850
- V *Lupinus cusickii* S.Wats. 20850  
V 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- Ex/E *Lupinus cusickii* S.Wats. ssp. *abortivus* (Greene) Cox 20850  
I 20850 U.S. - Oregon 20850
- E *Lupinus cusickii* S.Wats. ssp. *brachypodus* (Piper) Cox 20850  
I 20850 U.S. - Oregon 20850
- E *Lupinus cusickii* S.Wats. ssp. *cusickii* 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Lupinus dalesiae* Eastw. 20850  
R 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Lupinus duranii* Eastw. 20850  
V 20850 U.S. - California 20850
- V *Lupinus elatus* I.M. Johnston 20850  
I 20850 U.S. - California 20850
- V *Lupinus elmeri* Greene 20850  
I 20850 U.S. - California 20850
- V *Lupinus excubitus* M.E. Jones var. *medius* (Jepson) Munz 20850  
V 20850 U.S. - California 20850
- V *Lupinus fissicalyx* Heller 20850  
I 20850 U.S. - Oregon 20850
- R *Lupinus flavoculatus* Heller 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R *Lupinus fulcratus* Greene 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Lupinus garfieldensis* C.P. Sm. 20850  
I 20850 U.S. - Washington 20850
- V *Lupinus gracilentus* Greene 20850  
I 20850 U.S. - California 20850
- V *Lupinus guadalupensis* Greene 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V *Lupinus hillii* Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- V *Lupinus holmgrenianus* C.P. Sm. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Lupinus*

- R** *Lupinus horizontalis* Heller 20850  
**I** 20850 U.S. - California 20850
- V** *Lupinus hyacinthinus* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Lupinus jonesii* Rydb. 20850  
**V** 20850 U.S. - Utah 20850
- R** *Lupinus kuschei* Eastw. 20850  
**V** 20850 Canada - British Columbia 20850  
**I** 20850 Canada - Yukon Territory 20850  
**E** 20850 U.S. - Alaska 20850
- V** *Lupinus lapidicola* Heller 20850  
**I** 20850 U.S. - California 20850
- E** *Lupinus lemmonii* C.P. Sm. 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Lupinus longifolius* (S.Watson) Raven 20850  
**I** 20850 U.S. - California 20850
- E** *Lupinus lorenzensis* C.P. Smith 18200  
**E** 9446 Peru 18200
- V** *Lupinus ludovicianus* Greene 20850  
**V** 20850 U.S. - California 20850
- E** *Lupinus lyallii* Gray ssp. *alcis-temporis* (C.P. Sm.) Cox 20850  
**E** 20850 U.S. - Idaho 20850
- V** *Lupinus lyallii* Gray ssp. *minutifolius* (Eastw.) Cox 20850  
**V** 20850 U.S. - Oregon 20850
- V** *Lupinus lyallii* Gray ssp. *subpandens* C.P. Sm. ex D. Dunn 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850
- Ex/E** *Lupinus magnificus* M.E. Jones var. *magnificus* 20850  
**Ex/E** 20850 U.S. - California 20850
- E** *Lupinus magnistipulatus* Planchuelo & Dunn 20883  
**I** 20883 Brazil 20883
- V** *Lupinus malacophyllus* Greene 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Lupinus mollendoensis* Ulbr. 18200  
**E** 9446 Peru 18200
- V** *Lupinus neomexicanus* Greene 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Lupinus obtusilobus* Heller 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Lupinus odoratus* Heller 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- V** *Lupinus oreganus* Heller var. *kincaidii* C.P. Sm. 20850  
**Ex/E** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- V** *Lupinus oreganus* Heller var. *oreganus* 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Lupinus ornatus* Dougl. ex Lindl. 20850  
**I** 20850 U.S. - Idaho 20850
- I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- E** *Lupinus padre-crowleyi* C.P. Sm. 20850  
**E** 20850 U.S. - California 20850
- R** *Lupinus pratensis* Heller 20850  
**I** 20850 U.S. - California 20850
- E** *Lupinus punto-reyesensis* C.P. Sm. 20850  
**I** 20850 U.S. - California 20850
- V** *Lupinus roseolus* Rydb. 20850  
**I** 20850 U.S. - Wyoming 20850
- V** *Lupinus sellulus* Kellogg var. *sellulus* 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- V** *Lupinus sericeatus* Kellogg 20850  
**I** 20850 U.S. - California 20850
- R** *Lupinus sericeus* Kellogg ssp. *marianus* (Rydb.) Fleak & D. Dunn 20850  
**R** 20850 U.S. - Utah 20850
- E** *Lupinus setifolius* Planchuelo & Dunn 20883  
**I** 20883 Brazil 20883
- R** *Lupinus sierrae-blancae* Woot. & Standl. 20850  
**R** 20850 U.S. - New Mexico 20850
- R** *Lupinus sierrae-blancae* Woot. & Standl. ssp. *aquilinus* (Woot. & Standl.) Fleak & D. Dunn 20850  
**R** 20850 U.S. - New Mexico 20850
- V** *Lupinus sierrae-blancae* Woot. & Standl. ssp. *sierrae-blancae* 20850  
 20850 U.S. - New Mexico 20850
- V** *Lupinus spectabilis* Hoover 20850  
**V** 20850 U.S. - California 20850
- Ex/E** *Lupinus sublanatus* Eastw. 20850, 10260  
**Ex/E** 20850 U.S. - California 20850
- V** *Lupinus tdestromii* Greene 20850  
**V** 20850 U.S. - California 20850
- E** *Lupinus tdestromii* E. Greene var. *layneae* (Eastw.) Munz 20850  
**E** 20850 U.S. - California 20850
- E** *Lupinus tdestromii* E. Greene var. *tdestromii* 20850  
**E** 20850 U.S. - California 20850
- I** *Lupinus tucumanensis* C.P. Smith 16336  
**I** 16336 Argentina 16336
- V** *Lupinus westianus* Small 20850, 17890  
**V** 20850 U.S. - Florida 20850
- E** *Lupinus westianus* Small var. *aridorum* (McFarlin ex Beckner) Isely 20850  
**E** 20850 U.S. - Florida 20850
- E** *Machaerium chambersii* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- E** *Machaerium glabripes* Pitt. 20883, 9006  
**I** 20883 Panama 20883
- R** *Machaerium hirtum* (Vell.) Stellfeld 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- R** *Machaerium scleroxyton* Tul. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Machaerium*

- E** *Machaerium villosum* Vogel 10370  
E 10370 Brazil 10370
- E** *Macrobium costaricense* W. Burger 9802  
E 17459 Costa Rica 9802
- E** *Macrobium pittieri* (Rose) Schery 20883, 9006  
I 9426 Panama 20883
- R** *Macrosamanea kegelii* (Meisn.) Kleinh. 18176  
R 19954 French Guiana 18176  
R 8679 Suriname 8679
- R** *Macrotyloma coddii* Verdc. 20604  
R 20604 South Africa - Natal 20604
- R** *Martiodendron mediterraneum* (Mart. ex Benth.) Koepper 16692  
R 16692 Brazil - Bahia 16692
- V** *Medicago cancellata* M. Bieb. 8000, 20171  
V 11552 Russian Federation (Caucasus & west) 20628
- R** *Medicago citrina* (Font Quer) Greuter 20692  
E 20692 Spain (Columbretes Is.) 20692  
R 20692 Spain - Balearic Is. 20692
- R** *Medicago cyrenaica* Maire & M. Weiller  
R Libya
- R** *Medicago pironae* Vis. 20171  
R Italy  
R 13662 Slovenia (western) 13662
- R** *Medicago rhodopea* Velen. 5204, 20171  
R 5204 Bulgaria (mainly southern and eastern - eight sites) 5204
- R** *Medicago shepardii* Post ex Boiss. 12840  
R 12840 Turkey 12840
- R** *Medicago strasseri* Greuter, Matthäs & Risse 21119  
R 20730 Greece - Crete 20730
- V** *Melilotus segetalis* (Brot.) Ser. ssp. *fallax* Franco 20076  
V 20076 Portugal 20076
- V** *Microberlinia bisulcata* A. Chev. 7926  
V 13924 Cameroon 16174  
V 13294 Nigeria (Oban Hills) 20991
- R** *Millettia angustistipellata* De Wild. 19358  
R 19358 Zaire (Bas-Katanga) 19358
- I** *Millettia decipiens* Prain 19209  
I 19209 Malaysia - Peninsular Malaysia (Perak) 19209
- I** *Millettia elongistyla* J.B. Gillett 7959  
I 5926 Tanzania (Morogoro & Ulanga District) 5926
- I** *Millettia eriocarpa* Dunn 20556  
I 5926 Tanzania (Lindi & Newala) 5926
- I** *Millettia foxworthyi* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I** *Millettia oblata* Dunn ssp. *stolzii* J.B. Gillett 7959  
I 5926 Tanzania (Rungwe District) 5926
- V** *Millettia oblata* Dunn ssp. *teitensis* J.B. Gillett 7959  
V 20057 Kenya (Teita district) 7959
- I** *Millettia pterocarpa* Dunn 17450  
I Malaysia - Peninsular Malaysia
- V** *Millettia puguensis* J.B. Gillett 7959  
V 5926 Tanzania (Uzaramo Distr.) 7959
- R** *Millettia pulchra* Kurz var. *microphylla* Dunn 20511  
R 20511 Taiwan 20511
- I** *Millettia saculeuxii* Dunn 7959, 20556  
I 5926 Tanzania (Lushoto & Morogoro) 5926
- V** *Millettia sericantha* Harms 20556  
V 5926 Tanzania (Morogoro Distr.) 7959
- R** *Millettia stenopetala* Hauman 19358  
R 19358 Zaire (central Forestier) 19358
- V** *Millettia tanaensis* J.B. Gillett 20057  
V 20057 Kenya (central) 20057
- I** *Millettia usaramensis* Taub. var. *parvifolia* Dunn 7959  
I 5926 Tanzania (Kilwa) 5926
- V** *Millettia warneckei* Harms 20274  
V 20858 Ghana 20274  
V 20858 Guinea 7926  
V 20858 Liberia 7926  
V 20858 Sierra Leone 7926  
V 20858 Togo 7926
- R** *Mimosa altoparanensis* Burk. 20883  
R 20883 Paraguay 20883
- E** *Mimosa apleura* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- I** *Mimosa azuensis* Britton 5642  
I Dominican Republic (Azua, San Cristobal) 21008
- E** *Mimosa berlandieri* Leon  
E 19105 Cuba (Pinar del Rio) 19105
- I** *Mimosa farisii* Leonard ex Britton 5642  
I Dominican Republic (Najayo, Nigua) 5642
- R** *Mimosa fiebrigii* Hassler 20883  
R 20883 Paraguay 20883
- R** *Mimosa flocculosa* Burk. 20883  
R 20883 Paraguay 20883
- V** *Mimosa lanuginosa* Glaz. ex Burkart 19565  
V 19565 Brazil - Distrito Federal 19565
- I** *Mimosa moensis* Britton & P. Wilson  
I Cuba (Holguin)
- R** *Mimosa mossambicensis* Brenan 7749  
R Mozambique 7749
- V** *Mimosa quadrivalvis* var. *urbaniana* Barneby 20883  
I 20883 Puerto Rico 20883
- R** *Mimosa uliginosa* Chodat & Hassler 20883  
I 20883 Argentina 20883  
V 20883 Paraguay 20883
- E** *Mimosa vellosiella* var. *pubescens* (Benth.) Burk. 20883  
I 20883 Argentina 20883  
E 20883 Paraguay 20883
- E** *Mimosa xochipalensis* R. Grether 20883  
I 20883 Mexico 20883
- R** *Mirbelia confertiflora* Pedley 20681  
R 20681 Australia - Queensland 20681
- I** *Monopetalanthus durandii* F. Hallé & Normand 12346  
I 12346 Gabon (Monts de Cristal) 12346
- I** *Monopetalanthus hedinii* (A. Chev.) Pellegrin  
I Cameroon 16174
- I** *Mora abbottii* Rose & Leonard 5642



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Mora*

- I Dominican Republic (Sierra de Quita Espuela, San Francisco de Macoris) 21008
- E *Mucuna fawcettii* Urb. 20883, 13336  
E 13336 Jamaica 20883
- V *Mucuna killipiana* J. Hernández-C. & C. Barbosa 20883  
I 20883 Colombia 20883
- I *Mucuna minima* Haines 7771  
I 7771 India - Orissa (Sambalpur) 7771
- R *Mucuna toyoshimae* Nakai 8038  
R 19134 Japan - Ogasawara-shoto 8038
- Ex *Nemcia lehmannii* (Meisner) Crisp 20681  
Ex 20681 Australia - Western Australia 20681
- R *Nemcia stipularis* (Meisner) Crisp 20681  
R 20681 Australia - Western Australia 20681
- I *Neoechevalierodendron stephanii* (A. Chev.) J. Léonard 12346  
I Gabon 12346
- R *Newtonia erlangeri* (Harms) Brenan 17435  
R 17435 Kenya (Boni forest & Tana river) 17435  
R 20884 Somalia 20162  
R 17435 Tanzania 17435
- R *Nissolia platycalyx* S.Watson 20850  
E 20850 U.S. - Texas 20850
- V *Nogra dazzellii* (Baker) Merr. 14782  
V 14782 India - Karnataka 14782  
V 14782 India - Maharashtra 14782
- E *Nogra filicalis* (Kurz) Merr. 14782  
E 14782 India - Madhya Pradesh 14782  
Ex 14782 Myanmar 14782
- R *Notodon cayensis* Britton & Wilson 5607  
R 19105 Cuba (Camaguey) 5607
- R *Notospartium glabrescens* Petrie  
R New Zealand - South Is.
- R *Notospartium torulosum* Kirk 86  
R 19305 New Zealand - South Is. 19305
- R *Odoniodendron normandii* Aubrév. 12346  
R Gabon 12346
- R *Onobrychis albiflora* Huber-Mor. 12840  
R 12840 Turkey 12840
- Ex *Onobrychis aliacmonia* Rech.f. 14155  
Ex 14155 Greece 14155
- R *Onobrychis araxina* Schis. 12840  
R 12840 Turkey 12840
- R *Onobrychis argaea* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Onobrychis argyrea* Boiss. ssp. *isaurica* Hedge & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onobrychis beata* Sirj 12840  
R 12840 Turkey 12840
- V *Onobrychis bornmuelleri* Freyn 12840  
V 12840 Turkey 12840
- V *Onobrychis cilicica* Kit Tan & Sorger 12840  
V 12840 Turkey 12840
- I *Onobrychis degenii* auct. bulg., non Dörf. 20171  
I (former) Yugoslavia
- R *Onobrychis densijuga* Hedge ex Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onobrychis elata* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Onobrychis germanicopolitana* Huber-Mor. & Simon 12840  
R 12840 Turkey 12840
- I *Onobrychis halyensis* Sirj 12840  
I 12840 Turkey 12840
- R *Onobrychis huetiana* Boiss. 12840  
R 12840 Turkey 12840
- V *Onobrychis mutensis* Kit Tan & Sorger 12840  
V 12840 Turkey 12840
- R *Onobrychis nitida* Boiss. 12840  
R 12840 Turkey 12840
- R *Onobrychis occulta* Hedge & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onobrychis ornata* (Willd.) Desv. 12840  
R 12840 Turkey 12840
- R *Onobrychis pallasii* (Willd.) M.Bieb. 20171  
R former European USSR
- R *Onobrychis paucijuga* Bornm. 12840  
R 12840 Turkey 12840
- R *Onobrychis pisidica* Boiss. 12840  
R 12840 Turkey 12840
- R *Onobrychis podperae* Sirj 12840  
R 12840 Turkey 12840
- R *Onobrychis quadrijuga* Hedge & Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Onobrychis radiata* (Desf.) Bieb. 20171  
R former USSR
- Ex/E *Onobrychis richardii* Bak. 19704  
Ex/E 19704 Ethiopia (Tigray Upland) 19704
- R *Onobrychis sivasica* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- V *Onobrychis sphaciotica* Greuter 20171  
V 20731 Greece - Crete 20731
- R *Onobrychis stenostachya* Freyn ssp. *krausei* (Sirj.) Hedge 12840  
R 12840 Turkey 12840
- R *Onobrychis stenostachya* Freyn ssp. *sosnowskyi* (Grossh.) Hedge 12840  
R 12840 Turkey 12840
- I *Onobrychis tavernierifolia* Stocks ex Boiss. 5942  
I 5942 Uzbekistan 5942
- R *Ononis adenotricha* Boiss. var. *nuda* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Ononis avellana* Pomel 10488  
V 14958 Algeria 10488
- R *Ononis basiadnata* Huber-Mor. 12840  
R 12840 Turkey 12840
- E *Ononis christii* Bolle 20750  
E 20750 Spain - Canary Is. 20750
- V *Ononis crinita* Pomel 10488  
V 14958 Algeria 10488
- V *Ononis hackelii* Lange 20076, 20171  
V 20076 Portugal 20076
- R *Ononis hebecarpa* Webb & Berthel. 20750  
R 20750 Spain - Canary Is. 20750
- R *Ononis jahandiezii* Maire

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Ononis*

- R Morocco
- R *Ononis macrosperma* Huber-Mor. 12840  
R 12840 Turkey 12840
- E *Ononis megalostachys* Munby 10488  
E 14958 Algeria 10488
- V *Ononis natrix* L. ssp. *ramosissima* (Desf.)  
Batt. 18223, 20171  
V 19052 United Kingdom - Gibraltar 18223
- R *Ononis rentonarensis* M.B.Crespo & L.Serra 20692  
R 20692 Spain (Rentonar Mountains, Alicante province) 20692
- I *Ononis saxicola* Boiss. & Reut. 20171  
I 20660 Spain (Cádiz, Málaga) 20661
- R *Ononis sessilifolia* Bornm. 12840  
R 12840 Turkey 12840
- R *Ononis verae* Sirj. 20171  
R 20731 Greece - Crete 20731
- Ex *Orbexilum stipulatum* (Torr. & Gray) Rydb. 20850  
Ex 20850 U.S. - Kentucky 20850
- V *Orbexilum virgatum* (Nutt.) Rydb. 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R *Ormocarpum caeruleum* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R *Ormocarpum flavum* J.B.Gillet 7959  
R Tanzania (Ruaha valley) 20921
- E *Ormosia cruenta* Rudd 20883, 9006  
R 19796 Panama 20883
- R *Ormosia dasycarpa* Jacks. 20883  
R 20883 Dominica 20883  
E 20883 Grenada 20883  
R 20883 St Vincent 20883
- V *Ormosia hosiei* Hemsley & Wilson 17617  
V 17617 China - Fujian 11139  
V 17617 China - Gansu (Wenxian) 11139  
V 17617 China - Guizhou (Chishui) 11139  
V 17617 China - Hubei 11139  
V 17617 China - Jiangsu 11139  
V 17617 China - Jiangxi 11139  
V 17617 China - Shaanxi 11139  
V 17617 China - Sichuan 11139  
V 17617 China - Zhejiang 11139
- E *Ormosia howii* Merr. & Chen 17617  
E 18038 China - Guangdong (Yangchong; Dialuoshan) 11139  
E 18038 China - Hainan Is. 11139
- V *Ormosia jamaicensis* Urb. 20883, 13336  
V 13336 Jamaica 20883
- E *Ormosia panamensis* Benth. 20883, 9006  
R 19796 Panama 20883
- R *Ornithopus uncinatus* Maire & Sam. 12346  
R Morocco 12346
- V *Otholobium argenteum* (Thunb.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Otholobium bolusii* (H.M.L.Forbes) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- R *Otholobium bowieanum* (Harv.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- E *Otholobium carneum* (E.Mey.) C.H.Stirt. 20604  
E 20604 South Africa - Cape Province 20604
- E *Otholobium dreweae* C.H.Stirt. ined. 20604
- E 20604 South Africa - Cape Province 20604
- R *Otholobium flexuosum* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- V *Otholobium fruticans* (L.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- R *Otholobium hamatum* (Harv.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium heterosepalum* (Fourc.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- V *Otholobium incanum* C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- E *Otholobium lanceolatum* C.H.Stirt. ined. 20604  
E 20604 South Africa - Cape Province 20604
- R *Otholobium lucens* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium macradenium* (Harv.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium nitens* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium parviflorum* (E.Mey.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium pictum* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- V *Otholobium piliferum* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- R *Otholobium polyphyllum* (Eckl. & Zeyh.)  
C.H.Stirt. 20604, 20039  
I 20039 Swaziland 20039  
R 20604 South Africa - Cape Province 20604
- E *Otholobium pungens* C.H.Stirt. 20604  
E 20604 South Africa - Cape Province 20604
- R *Otholobium pustulatum* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium racemosum* (Thunb.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- V *Otholobium rotundifolium* (L.f.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Otholobium rubicundum* C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Otholobium sabulosum* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- E *Otholobium saxosum* C.H.Stirt. ined. 20604  
E 20604 South Africa - Cape Province 20604
- R *Otholobium spissum* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R *Otholobium swartbergense* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- V *Otholobium thomii* (Harv.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Otholobium venustum* (Eckl. & Zeyh.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Otholobium zeyheri* (Harv.) C.H.Stirt. 20604  
V 20604 South Africa - Cape Province 20604
- V *Oxystigma msoo* Harms 20057  
V 20057 Kenya (Pangani, Tana delta) 20057  
V 20057 Tanzania (Rau forest, Pangani) 17435
- E *Oxytropis arctica* Welsh var. *barnebyana*  
Welsh 20850, 21309

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Oxytropis*

- E 20850 U.S. - Alaska 20850
- I** *Oxytropis argyroleuca* Bornm. 12840  
I 12840 Turkey 12840
- R** *Oxytropis astragaloides* A. Boriss  
R former USSR 6930
- V** *Oxytropis bellii* (Britt. ex Macoun) Palibin 20850  
I 20850 Canada - Manitoba 20850  
I 20850 Canada - Franklin 20850
- R** *Oxytropis beringensis* Jurtz. 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- E** *Oxytropis campestris* (L.) DC. var. *chartacea*  
(Fassett) Barneby 20850  
E 20850 U.S. - Wisconsin 20850
- R** *Oxytropis campestris* (L.) DC. var. *columbiana* (St. John) Barneby 20850  
R 20850 Canada - British Columbia 20850  
E 20850 U.S. - Montana 20850  
E 20850 U.S. - Washington 20850
- R** *Oxytropis campestris* (L.) DC. ssp. *tatrae* (Borb.) Dost. 19321  
R 19751 Poland 19751  
V 19321 Slovakia 19321
- V** *Oxytropis deflexa* (Pall.) DC. ssp. *norvegica*  
Nordh. 8000, 20171  
V 17832 Norway 8000
- R** *Oxytropis echidna* Vved. 5942  
R 5942 Kazakhstan 5942
- R** *Oxytropis hidakamontana* Miyabe & Tatew. 10572  
R 10572 Japan 10572
- R** *Oxytropis hippolyti* Boriss  
R former European USSR
- R** *Oxytropis huddelsonii* Porsild 20850  
R 20850 Canada - British Columbia 20850  
I 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850
- R** *Oxytropis jordalii* ssp. *davisii* (Welsh) Elisens & Packer 20850  
R 20850 Canada - British Columbia 20850
- R** *Oxytropis kamschatica* Hulten  
R Asiatic U.S.S.R. (Far east) 6930
- R** *Oxytropis kateninii* Jurtz. 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- V** *Oxytropis kobukensis* Welsh 20850  
V 20850 U.S. - Alaska 20850
- R** *Oxytropis kokrinensis* Porsild 20850  
R 20850 U.S. - Alaska 20850
- R** *Oxytropis lagopus* Nutt. var. *conjugans*  
Barneby 20850, 13153  
E 20850 Canada - Alberta 20850  
R 20850 U.S. - Montana 20850
- R** *Oxytropis megalantha* H. Boissieu 10572  
R 10572 Japan 10572
- I** *Oxytropis mumynabadensis* B. Fedtsch. 5942  
I 5942 Russia (Far East) - Primorye (south) 5942
- R** *Oxytropis nana* Nutt. var. *nana* 20850  
R 20850 U.S. - Wyoming 20850
- R** *Oxytropis nana* Nutt. var. *obnapiformis* (C.L. Porter) Isely 20850  
R 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- E 20850 U.S. - Wyoming 20850
- R** *Oxytropis nana* Nutt. var. *salmonensis* (Barneby) Isely 20850  
R 20850 U.S. - Idaho 20850
- E** *Oxytropis nigrescens* (Pallas) Fisch. ex DC. var. *lonchopoda* Barneby 20850, 1034  
E 20850 Canada - Yukon Territory 20850
- R** *Oxytropis oreophila* Gray var. *jonesii* (Barneby) Barneby 20850  
R 20850 U.S. - Utah 20850
- R** *Oxytropis prenja* (Beck) Beck 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Oxytropis purpurea* (Baldacci) Markgraf 20178, 20171  
R 20178 Albania 20178  
R Greece
- R** *Oxytropis putoranica* M. Ivanova 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Oxytropis rishiriensis* Matsum. 10572  
R 10572 Japan 10572
- R** *Oxytropis schmorganoviae* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Oxytropis shokanbetuensis* Miyabe & Tatew. 10572  
R 10572 Japan 10572
- R** *Oxytropis sordida* (Willd.) Pers. ssp. *arctolenensis* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Oxytropis tichomirovii* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- V** *Oxytropis todomoshiriensis* Miyabe & Miyake 5942  
V 11552 Russia (Far East) - Sakhalin (south) 5942
- R** *Oxytropis uniflora* Jurtz. 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- R** *Oxytropis uralensis* (L.) DC. 20171  
R former European USSR
- R** *Oxytropis uschakovii* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- R** *Oxytropis wrangelii* Jurtzev 21309  
R 21309 Russia (E.Europe) - North 21309  
R 21309 Russia (E.Europe) - Northwest 21309  
R former USSR 6930
- R** *Paracalyx balfourii* (Vierh.) Ali 15534  
R 15534 Yemen - Socotra 15534
- R** *Paracalyx schweinfurthii* (Wagner & Vierh.) Ali 15534  
R 15534 Yemen - Socotra 15534
- V** *Paramachaerium gruberi* Brizicky 20883, 9006  
E 20883 Costa Rica 20883  
I 20883 Panama 20883
- V** *Parkia bahiae* H. C. Hopkins 20883  
I 20883 Brazil 20883
- R** *Parkia cachimboensis* H. C. Hopkins 20883  
I 20883 Brazil 20883
- I** *Parkia harbesonii* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- R** *Parkia paraensis* Ducke 20883  
I 20883 Brazil 20883
- R** *Parkia reticulata* Ducke 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Parkia*

- I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Parkia truncata* Cowan 20883  
I 20883 Venezuela 20883
- R** *Parkinsonia raimondoi* Brenan 12346  
R 20884 Somalia 12346
- R** *Pearsonia mesopotamica* Polhill 7884  
R Zimbabwe 7884
- R** *Pediomelum aromaticum* (Payson) W.A. Weber 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R** *Pediomelum castoreum* (S.Watson) Rydb. 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Pediomelum humile* Rydb. 20883, 20850  
V 20850 U.S. - Texas 20850  
E 20883 Mexico 20883
- R** *Pediomelum megalanthum* (Woot. & Standl.) Rydb. 20850  
I 20850 U.S. - Arizona 20850  
R 20850 U.S. - Colorado 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850
- E** *Pediomelum megalanthum* var. *epipsilum* (Barneby) J. Grimes 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- R** *Pediomelum megalanthum* var. *megalanthum* 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
R 20850 U.S. - Utah 20850
- V** *Pediomelum pariense* (Welsh & Atwood) J. Grimes 20850  
V 20850 U.S. - Utah 20850
- Ex/E** *Pediomelum pentaphyllum* (L.) Rydb. 20850  
Ex/E 20850 U.S. - Arizona 20850  
Ex/E 20850 U.S. - New Mexico 20850  
Ex/E 20850 U.S. - Texas 20850  
Ex/E 20883 Mexico 20883
- R** *Pediomelum reverchonii* (S.Watson) Rydb. 20850  
V 20850 U.S. - Oklahoma 20850  
V 20850 U.S. - Texas 20850
- V** *Pellegriniodendron diphyllum* (Harms) J. Leonard 20274  
V 20858 Cameroon 20274  
V 20858 Côte d'Ivoire 20274  
V 20858 Gabon 20274  
V 20858 Ghana 20274
- I** *Peltophorum berteroaenum* Urban 5642  
I Dominican Republic 5642
- I** *Phanera decumbens* (M.R. Henderson) De Wit  
I Malaysia - Peninsular Malaysia
- I** *Phanera khasiana* (Baker) Thoth.  
I India - Arunachal Pradesh  
I India - Meghalaya
- I** *Phanera nicobarica* Balakr. & Thoth. 7771  
I India - Nicobar Is. 7771
- I** *Phanera semibifida* (Roxb.) Benth. var. *subglabra* (Merr.) de Wit 13833  
I 13833 Philippines (low altitude) 13833
- I** *Phanera wallichii* (Macbr.) Thoth.  
I India - Assam  
I India - Meghalaya
- E** *Phaseolus lignosus* Britton  
E Bermuda
- R** *Phaseolus polystachios* (L.) B.S.P. var. *sinuatus* (Nutt.) R. Marechal, J.M. Mascherpa & F. Stainier 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- R** *Phyllota diffusa* (Hook.f.) F.Muell. 20681  
R 20681 Australia - Tasmania 20681
- V** *Phyllota humifusa* Benth. 20681  
V 20681 Australia - New South Wales 20681
- E** *Piptadenia cebil* Griseb. 20883  
E 20883 Brazil 17750
- V** *Piptadenia hassleriana* Chodat 20883  
V 20883 Paraguay 20883
- R** *Piptadenia paraguayensis* (Benth.) Lindm. 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- E** *Piptadenia paraguayensis* (Benth.) Lindm. 16336  
E 16336 Argentina 16336  
E 20176 Argentina - Chaco 20176  
E 20176 Argentina - Formosa 20176
- V** *Piptadeniopsis lomentifera* Burk. 20883  
V 20883 Paraguay 20883
- I** *Pithecellobium abbotii* Rose & Leonard 5642  
I Dominican Republic (Los Haitises, Loma Quita Espuela, Cordillera Central) 21008
- E** *Pithecellobium barbourianum* Standl. 20883, 9006  
I 20883 Panama 20883
- R** *Pithecellobium campylacanthus* L. Rico & M. Sousa 20883  
I 20883 Honduras 20883  
I 20883 Mexico 20883
- R** *Pithecellobium jununba* (Willd.) Urb. 20883  
R 20883 Dominica 20883  
R 20883 Grenada 20883
- E** *Pithecellobium micranthum* Benth. 5642  
E Dominican Republic 5642  
Haiti 21008
- R** *Pithecellobium pithecolobioides* (Harms ex Kuntze) Hassler 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- E** *Pithecellobium pseudo-tamarindus* (Britt.) Standl. 20883, 9006  
E 17459 Costa Rica 10539  
I 20883 Panama 20883
- E** *Pithecellobium rufescens* Schery var. *vallense* Schery 20883, 9006  
I 20883 Panama 20883
- R** *Pithecellobium vietnamense* Nielsen 6057  
R Vietnam 6057
- R** *Plagiosiphon gabonensis* (A. Chev.) Leonard  
R Gabon (Llastoursville)
- R** *Platylobium alternifolium* F.Muell. 20681  
R 20681 Australia - Victoria 20681
- I** *Platymiscium pleiostachyum* Donn. Sm. 20883, 9037  
E 20883 Costa Rica 20883  
I 10359 El Salvador 10359

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Platymiscium*

- I 20883 Nicaragua 20883
- R** *Platymiscium trinatis* Benth. var. *durum*  
Ducke 8679  
R 8679 Guyana 8679  
R 8679 Suriname 8679
- V** *Podalyria cordata* R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- I** *Podalyria microphylla* E.Mey. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Podalyria velutina* Burch. ex Benth. 20604  
I 20604 South Africa - Cape Province 20604  
I 20604 South Africa - Natal 20604
- R** *Poecilanthus ovalifolia* Kleinhoonte 8679  
R 8679 Suriname 8679
- E** *Polhillia brevicalyx* (C.H.Stirt.) B.-E.van Wyk & A.L.Schutte 20604  
E 20604 South Africa - Cape Province 20604
- R** *Polhillia canescens* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Polhillia connata* (Harv.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Polhillia involucreta* (Thunb.) B.-E.van Wyk & A.L.Schutte 20604  
R 20604 South Africa - Cape Province 20604
- V** *Polhillia obsoleta* (Harv.) B.-E.van Wyk 20604  
V 20604 South Africa - Cape Province 20604
- R** *Polhillia pallens* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Priotropis socotrana* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- E** *Prosopis abbreviata* Benth. 16336  
E 16336 Argentina 16336  
E 20176 Argentina - Cordoba 20176  
E 20176 Argentina - Catamarca 20176  
E 20176 Argentina - Santiago del Estero 20176  
E 20176 Argentina - San Juan 20176  
E 20176 Argentina - San Luis 20176
- V** *Prosopis atacamensis* Philippi  
V 13875 Chile 13875
- V** *Prosopis rojasiana* Burk 20883  
V 20883 Paraguay 20883
- E** *Prosopis rubriflora* Hassler 20883  
E 20883 Paraguay 20883
- V** *Prosopis tamarugo* Philippi 17681  
V 13875 Chile (Northern desert plateau region) 17681
- R** *Psoralea abbottii* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Natal 20604
- R** *Psoralea aculeata* L. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Psoralea arborea* Sims 20604  
V 20604 Swaziland 20604  
V 20604 South Africa - Natal 20604
- R** *Psoralea azurea* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- Ex** *Psoralea cataracta* C.H.Stirt. 20604  
Ex 20604 South Africa - Cape Province 20604
- R** *Psoralea crista* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea elegans* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Psoralea ensifolia* (Houtt.) Merr. 20604  
V 20604 South Africa - Cape Province 20604
- E** *Psoralea filifolia* Eckl. & Zeyh. 20604  
E 20604 South Africa - Cape Province 20604
- V** *Psoralea fleta* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- V** *Psoralea glaucescens* Eckl. & Zeyh. 20604  
V 20604 South Africa - Cape Province 20604
- E** *Psoralea glaucina* Harv. 20604  
E 20604 South Africa - Cape Province 20604
- Ex** *Psoralea gueinzii* Harv. 20604  
Ex 20604 South Africa - Cape Province 20604
- R** *Psoralea imbricata* (L.f.) C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea imminens* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea implexa* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea intonsa* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea keetii* Schönland ex H.M.L.Forbes 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea laevigata* L.f. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Psoralea muirii* C.H.Stirt. ined. 20604  
E 20604 South Africa - Cape Province 20604
- R** *Psoralea nubicola* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea odoratissima* Jacq. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea oreophila* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea oreopola* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Psoralea parva* F.Muell. 20681  
Ex/E 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V** *Psoralea peratica* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- V** *Psoralea pullata* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- V** *Psoralea repens* P.J.Bergius 20604  
V 20604 South Africa - Cape Province 20604
- R** *Psoralea restioides* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Psoralea rigidula* C.H.Stirt. ined. 20604  
V 20604 South Africa - Cape Province 20604
- V** *Psoralea rydbergii* Cory 8058  
V 19002 U.S. - Texas 8058  
V 19002 Mexico 8058
- R** *Psoralea triflora* Thunb. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea trullata* C.H.Stirt. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Psoralea vlokii* C.H.Stirt. ined. 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Psoralea*

- R** *Psoralidium junceum* (Eastw.) Rydb. 20850  
**I** 20850 U.S. - Arizona 20850  
**R** 20850 U.S. - Utah 20850
- V** *Psorothamnus arborescens* (Torr. ex Gray) Barneby var.  
*pubescens* (Parish) Barneby 20850  
**V** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850
- R** *Psorothamnus kingii* (S.Watson) Barneby 20850  
**R** 20850 U.S. - Nevada 20850
- E** *Psorothamnus polydenius* (Torr. ex S. Wats.) Rydb. var.  
*jonessii* Barneby 20850  
**E** 20850 U.S. - Utah 20850
- R** *Psorothamnus thompsoniae* (Vail) Welsh & Atwood 20850  
**V** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Utah 20850
- V** *Psorothamnus thompsoniae* (Vail) Welsh & Atwood var.  
*thompsoniae* 20850  
**V** 20850 U.S. - Utah 20850
- V** *Psorothamnus thompsoniae* (Vail) Welsh & Atw. var.  
*whitingii* (Kearney & Peebles) Barneby 20850  
**E** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850
- E** *Pterocarpus santalinus* Linn.f. 19218, 21025  
**E** 20263 India 20263
- E** *Ptychosema pusillum* Benth. 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Pueraria bella* Prain 14782  
**R** 14782 India - Arunachal Pradesh 14782  
**Ex** 14782 Myanmar 14782
- I** *Pueraria tetragona* Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- V** *Pultenaea aristata* DC. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Pultenaea baeuerlenii* F.Muell. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Pultenaea costata* Williamson 20681  
**R** 20681 Australia - Victoria 20681
- V** *Pultenaea glabra* Benth. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Pultenaea luehmannii* Maiden 20681  
**R** 20681 Australia - Victoria 20681
- Ex** *Pultenaea maidenii* Reader 20681  
**Ex** 20681 Australia - Victoria 20681
- E** *Pultenaea parrisiae* J.D.Briggs & Crisp ssp. *elusa*  
J.D.Briggs & Crisp 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Pultenaea parrisiae* J.D.Briggs & Crisp ssp.  
*parrisiae* 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- E** *Pultenaea parviflora* DC. 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Pultenaea patellifolia* Williamson 20681  
**R** 20681 Australia - Victoria 20681
- E** *Pultenaea pauciflora* M.Scott 20681, 5465  
**E** 20681 Australia - Western Australia 20681
- R** *Pultenaea pycnocephala* F.Muell. ex Benth. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Pultenaea selaginoides* Hook.f. 20681  
**V** 20681 Australia - Tasmania 20681
- V** *Pultenaea setulosa* Benth. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Pultenaea skinneri* F.Muell. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Pultenaea stuartiana* Williamson 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Pultenaea subalpina* (F.Muell.) Druce 20681  
**R** 20681 Australia - Victoria 20681
- R** *Pultenaea teretifolia* H.Williamson var. *brachyphylla*  
H.Williamson 20681  
**R** 20681 Australia - South Australia 20681
- E** *Pultenaea trichophylla* J.Black 20681  
**E** 20681 Australia - South Australia 20681
- R** *Pultenaea trifida* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- R** *Pultenaea victoriensis* M.G.Corrick 20681  
**R** 20681 Australia - Victoria 20681
- V** *Pultenaea villifera* Sieb. ex DC. var. *glabrescens*  
J.Black 20681  
**V** 20681 Australia - South Australia 20681
- R** *Pultenaea villifera* Sieb. ex DC. var.  
*villifera* 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Pultenaea weindorferi* Reader 20681  
**R** 20681 Australia - Victoria 20681
- R** *Pultenaea whiteana* S.T.Blake 20681  
**R** 20681 Australia - Queensland 20681
- R** *Pultenaea williamsoniana* J.H.Willis 20681  
**R** 20681 Australia - Victoria 20681
- I** *Rafnia crispa* C.H.Stirt. 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Rafnia ericifolia* Schltr. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Ramorinoa girolae* Speg. 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - La Rioja 20176  
**R** 20176 Argentina - San Juan 20176  
**R** 20176 Argentina - San Luis 20176
- V** *Retama raetam* (Forssk.) Webb ssp. *gussonei* (Webb)  
Greuter 18264  
**V** 18264 Italy - Sicily 18264
- R** *Rhynchosia albaepauli* Berhaut 8003  
**R** Senegal 8003
- I** *Rhynchosia arida* C.H.Stirt. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Rhynchosia axilliflora* Hauman 19358  
**R** 19358 Zaire (Bas-Congo) 19358
- R** *Rhynchosia beddomei* Baker  
**R** 13883 India - Andhra Pradesh (Cuddapah) 13883  
**R** 13883 India - Karnataka (Bellary) 13883
- I** *Rhynchosia braunii* Harms 7959  
**I** 5926 Tanzania (Rufiji District) 5926
- I** *Rhynchosia calobotrya* Harms 7959  
**I** 5926 Tanzania (Lindi) 5926
- R** *Rhynchosia cinerea* Nash 20850  
**R** 20850 U.S. - Florida 20850
- R** *Rhynchosia clivorum* S. Moore var. *fulvida*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Rhynchosia*

Meikle 7849

R Malawi 7849

**I** *Rhynchosia congestis* Baker ssp. *pseudobuettneri*

Verde. 7959

I 5926 Tanzania (Lushoto & Tanga) 5926

**I** *Rhynchosia connata* Baker f. 20604

I 20604 South Africa - Natal 20604

**R** *Rhynchosia emarginata* Germish. 20604

R 20604 South Africa - Cape Province 20604

**E** *Rhynchosia erlangeri* Harms 19704

E 19704 Ethiopia (Harerge) 19704

**E** *Rhynchosia erythraea* Schweinf. 19704

E 19704 Ethiopia (West Eritrea, Shewa Upland) 19704

**I** *Rhynchosia foliosa* Markötter 20604

I 20604 South Africa - Natal 20604

**V** *Rhynchosia holtzii* Harms 7959

V 5926 Tanzania (Pugu forest reserve) 5926

**R** *Rhynchosia longissima* Hauman 19358

R 19358 Zaire (Haut-Katanga) 19358

**R** *Rhynchosia lukafuensis* Baker f. 19358

R 19358 Zaire (Haut-Katanga) 19358

**V** *Rhynchosia malacotricha* Harms. 19704

V 19704 Ethiopia (Shewa Upland, Harerge, Bale) 19704

**R** *Rhynchosia oblongifoliolata* Hauman 19358

R 19358 Zaire (Haut-Katanga) 19358

**E** *Rhynchosia ramosa* Verde. 19704

E 19704 Ethiopia (Harerge) 19704

**R** *Rhynchosia salicifolia* Hauman 19358

R 19358 Zaire (Kasai) 19358

**Ex/E** *Rhynchosia splendens* Schweinf. 19704

Ex/E 19704 Ethiopia (Gonder) 19704

**R** *Rhynchosia stipulosa* A. Rich 19704

R 19704 Ethiopia (Tigray Upland, Welega, Gamo Gofa) 19704

**V** *Rhynchosia swartzii* (Vail) Urban 20850

I 20850 U.S. - Florida 20850

**V** *Rhynchosia velutina* Wight & Arn.

V 13883 India - Tamil Nadu 13883

**E** *Rivasgodaya nervosa* F. Esteve 17534

E 17534 Spain - Canary Is. 17534

**V** *Robinia hispida* L. var. *fertilis* (Ashe)

Clausen 20850

I 20850 U.S. - Connecticut 20850

I 20850 U.S. - Georgia 20850

I 20850 U.S. - Iowa 20850

I 20850 U.S. - Kentucky 20850

I 20850 U.S. - Maryland 20850

E 20850 U.S. - North Carolina 20850

I 20850 U.S. - Ohio 20850

I 20850 U.S. - Tennessee 20850

I 20850 U.S. - Virginia 20850

**R** *Robinia hispida* L. var. *rosea*

Pursh 20850

I 20850 U.S. - Alabama 20850

I 20850 U.S. - Georgia 20850

V 20850 U.S. - Kentucky 20850

V 20850 U.S. - North Carolina 20850

I 20850 U.S. - South Carolina 20850

I 20850 U.S. - Tennessee 20850

**R** *Robinia viscosa* Vent. 20850, 20171

I 20850 U.S. - Delaware 20850

I 20850 U.S. - Georgia 20850

I 20850 U.S. - Kentucky 20850

I 20850 U.S. - Maryland 20850

I 20850 U.S. - Michigan 20850

R 20850 U.S. - North Carolina 20850

V 20850 U.S. - Tennessee 20850

I 20850 U.S. - Wisconsin 20850

**E** *Robinia viscosa* Vent. var. *hartwegii* (Koehe)

Ashe 20850

I 20850 U.S. - Georgia 20850

E 20850 U.S. - North Carolina 20850

I 20850 U.S. - South Carolina 20850

**R** *Robinia viscosa* Vent. var. *viscosa* 20850

I 20850 Canada - New Brunswick 20850

I 20850 Canada - Nova Scotia 20850

I 20850 Canada - Ontario 20850

I 20850 Canada - Prince Edward Is. 20850

I 20850 U.S. - Connecticut 20850

I 20850 U.S. - Delaware 20850

I 20850 U.S. - Georgia 20850

I 20850 U.S. - Illinois 20850

I 20850 U.S. - Kentucky 20850

I 20850 U.S. - Maryland 20850

I 20850 U.S. - Michigan 20850

I 20850 U.S. - New Hampshire 20850

I 20850 U.S. - New Jersey 20850

I 20850 U.S. - New York 20850

R 20850 U.S. - North Carolina 20850

I 20850 U.S. - Ohio 20850

I 20850 U.S. - Pennsylvania 20850

I 20850 U.S. - South Carolina 20850

V 20850 U.S. - Tennessee 20850

I 20850 U.S. - Virginia 20850

I 20850 U.S. - West Virginia 20850

I 20850 U.S. - Wisconsin 20850

**E** *Rupertia hallii* (Rydb.) J. Grimes 20850

E 20850 U.S. - California 20850

**R** *Rupertia rigida* (Parish) J. Grimes 20850

V 20850 U.S. - California 20850

**I** *Sabinea carinalis* Griseb. 10199

I Dominica 10199

**R** *Sauvallella immarginata* (C. Wright) Rydb. 5607

R 19105 Cuba (Pinar del Rio) 5607

**I** *Schrankia portoricensis* Urban 10197

I 15106 Puerto Rico 8058

**R** *Sclerolobium aureum* Mart. var. *aureum* 20883

I 20883 Brazil 20883

R 20883 Paraguay 20883

**V** *Sclerolobium costaricense* Poveda & Zamora 20883

V 20883 Costa Rica 20883

**R** *Senna acclinis* (F. Muell.) Randell 20681

I 20681 Australia - New South Wales 20681

I 20681 Australia - Queensland 20681

**E** *Senna caudata* (Standl.) Irwin & Barneby 20883, 10747

I 20883 Panama 20883

**R** *Senna cushina* (J.F. Macbr.) H. Irwin & Barneby 18200

R 12468 Peru 18200

**V** *Senna orcuttii* (Britt. & Rose) Irwin & Barneby 20850

I 20850 U.S. - New Mexico 20850

V 20850 U.S. - Texas 20850

**R** *Senna procumbens* Randell 20681

R 20681 Australia - Northern Territory 20681

**V** *Senna ripleyana* (Irwin & Barneby) Irwin &

Barneby 20883, 20850, 19002

Ex/E 20850 U.S. - Texas 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Senna*

- V 20883 Mexico 20883
- V *Serialbizzia acle* (Blanco) Kosterm.  
V 15960 Philippines 15960
- V *Serianthes calycina* Benth. 20893  
V 20893 New Caledonia 20802
- R *Serianthes ebudarium* 21021  
R 21021 Vanuatu 21021
- E *Serianthes germainii* Guillaumin 20893  
E 20893 New Caledonia 20802
- V *Serianthes margaretae* Nielsen 20893  
V 20893 New Caledonia 20893
- R *Serianthes myriadenia* J.Planchon ex Bentham 20845  
I 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845  
R 20845 French Polynesia - Society Is. (Moorea, Raiatea, Tahiti) 20845
- E *Serianthes nelsonii* Merr. 8840  
E 20825 North Mariana Is. (Rota) 20825  
E 20825 U.S. - Guam 20825
- R *Serianthes petitiana* Guillaumin 20893  
R 20893 New Caledonia 20893
- R *Serianthes rurutensis* (F.Brown) I.Nielsen 20845  
R 20845 French Polynesia - Tubuai Is. 20845
- I *Sesbania goetzei* Harms ssp. *multiflora*  
J.B.Gillett 7959  
I 5926 Tanzania (Pare Distr.) 7959
- R *Sesbania macroptera* Micheli 20883  
I 20883 Argentina 20883  
R 20883 Paraguay 20883
- R *Sesbania marchionica* F. Brown  
R French Polynesia - Marquesas Is
- R *Sesbania molokaiensis* (Deg. & Sherff) Deg. & I.  
Deg. 14107  
R 14107 U.S. - Hawaii (Molokai) 14107
- I *Sesbania paludosa* (Roxb.) Prain  
I India - Kerala (Travancore)
- V *Sesbania tomentosa* Hook. & Arn. 20883, 20850, 14209  
V 20850 U.S. - Hawaii (Oahu) 20850  
I 20883 Puerto Rico 20883
- V *Sindora tonkinensis* A. Chev 15100  
V 20985 Vietnam 15100
- R *Smithia agharkarii* Hemadri 13883  
R 13883 India - Maharashtra 13883
- I *Smithia venkobarrowii* Gamble  
I India - Kerala (Peermade, Travancore Hills)
- V *Sophora arizonica* S.Watson 20850  
V 20850 U.S. - Arizona 20850
- V *Sophora fernandeziana* (Phil.) Skotts. 20883, 19116  
V 19125 Chile - Juan Fernandez Is. 19116  
V 20883 Chile 20883
- V *Sophora fraseri* Benth. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Sophora gypsophila* B.L. Turner & Powell 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- V *Sophora gypsophila* B.L. Turner & A.M. Powell var. *guadalupensis* B.L. Turner & Powell 20850, 11630  
V 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- R *Sophora howinsula* (W. Oliver) P. Green 10260  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V *Sophora leachiana* M.E. Peck 20850  
V 20850 U.S. - Oregon 20850
- R *Sophora linearifolia* Griseb. 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Cordoba 20176  
R 20176 Argentina - San Luis 20176
- E *Sophora mangarevaensis* H. Saint John 20845  
E 20845 French Polynesia - Tuamotu Is. (Gambier, Mangaréva) 20845
- V *Sophora masafuerana* (Phil.) Skotts. 20883, 19116  
V 19125 Chile - Juan Fernandez Is. 19116  
V 20883 Chile 20883
- V *Sophora polyphylla* Urban 5607  
V 19105 Cuba (Holguin) 5607
- E *Sophora raivavaeensis* H. Saint John 20845  
E 20845 French Polynesia - Tubuai Is. (Raiavavaé) 20845
- I *Sophora rapaensis* H. Saint John 20845  
I 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- V *Sophora rhynchocarpa* Griseb. 21056  
V 19448 Argentina 16336  
R 20176 Argentina - Salta 20176  
R 20176 Argentina - Tucuman 20176
- E *Sophora saxicola* Proctor 20883, 19890  
E 19890 Jamaica (Trelawny) 20883
- V *Sophora toromiro* (Phil.) Skotts. 20883, 10260  
Ex 14777 Chile - Easter Is. 14777  
V 20883 Chile 20883
- I *Sophora violacea* Thwaites 8021  
I 16162 Sri Lanka 8021
- I *Sophora zeylanica* Trimen 8021  
I 16162 Sri Lanka 8021
- R *Spatholobus balansae* Gagnepain 6057  
R Vietnam 6057
- V *Spatholobus listeri* Prain 14872  
V 14872 Bangladesh 14872
- R *Sphaerolobium acanthos* Crisp 20681  
R 20681 Australia - Victoria 20681
- E *Sphaerophysa kotschyana* Boiss. 12840  
E 14155 Turkey 12840
- R *Stahlia monosperma* (Tul.) Urban 20883, 10197  
I 20883 Dominican Republic (east near Macao) 20883  
I 20883 Puerto Rico (south western and south eastern) 20883  
I 20883 USA - Virgin Is. 20883
- R *Stenodrepanum bergii* Harms 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Cordoba 20176
- V *Stirtonanthus tayloriana* (L.Bolus) B.-E.van Wyk & A.L.Schutte 20604  
V 20604 South Africa - Cape Province 20604
- R *Storckiella australiensis* J.Ross & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- Ex *Streblorrhiza speciosa* Endl. 19108  
Ex 14226 Australia - Norfolk Is. (Philip Is.) 8177
- V *Strongylodon macrobotrys* A.Gray 10278  
V Philippines 10278



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Strongylodon*

- R** *Stryphnodendron flammatum* Kleinhoonte 8679  
R 8679 Suriname 8679
- I** *Stryphnodendron obovatum* Benth. 20883, 12346  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- V** *Stryphnodendron porcatum* Neill & Occhioni 20883  
I 20883 Ecuador 20883
- V** *Stuhlmannia moavi* Taub. 10370  
V 20057 Madagascar 17435  
V 20057 Kenya 17435  
V 20885 Tanzania (Handeni & Lindi) 7959
- E** *Stylosanthes cayennensis* Mohlenbrock 20883  
E 20883 French Guiana 20883
- E** *Stylosanthes figueroae* Mohlenbrock 20883  
E 20883 Colombia 20883
- R** *Stylosanthes hippocampoides* Mohlenbrock 20883, 20137  
R 20883 Argentina 20883  
E 20137 Argentina - Buenos Aires 20137  
E 20883 Uruguay 20883
- E** *Stylosanthes macrocarpa* Blake 20883  
E 20883 Mexico 20883
- E** *Stylosanthes macrosoma* Blake 20883  
E 20883 Paraguay 20883
- R** *Stylosanthes nervosa* Macbr. 20883  
E 20883 Argentina 20883  
E 20883 Bolivia 20883  
E 20883 Peru 20883  
E 20883 Venezuela 20883
- E** *Stylosanthes sericeiceps* Blake 20883  
E 20883 Venezuela 20883
- R** *Stylosanthes subsericea* Blake 20883  
R 20883 Honduras 20883  
E 20883 Mexico 20883
- V** *Swainsona murrayana* Wawra 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R** *Swainsona pyrophila* J.Thompson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R** *Swainsona sejuncta* J.Thompson 20681  
R 20681 Australia - Queensland 20681
- R** *Swainsona tephrottricha* F.Muell. 20681  
R 20681 Australia - South Australia 20681
- R** *Swartzia acutifolia* var. *acutifolia* 20883  
I 20883 Brazil 20883
- E** *Swartzia acutifolia* var. *leiogyne*  
Bentham 20883  
I 20883 Brazil 20883
- V** *Swartzia acutifolia* var. *parvipetala*  
Cowan 20883  
I 20883 Brazil 20883
- E** *Swartzia acutifolia* var. *submarginata*  
Bentham 20883  
I 20883 Brazil 20883
- E** *Swartzia acutifolia* var. *ynesiana*  
Cowan 20883  
I 20883 Brazil 20883
- V** *Swartzia amazonica* Moore 20883  
I 20883 Brazil 20883
- E** *Swartzia amazonica* Moore var. *amazonica* 20883  
I 20883 Brazil 20883
- E** *Swartzia amazonica* Moore var. *cinerea* (Ducke)  
Cowan 20883  
I 20883 Brazil 20883
- R** *Swartzia amplifolia* var. *colombiana*  
Cowan 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- E** *Swartzia amplifolia* var. *rigida* Cowan 20883  
I 20883 Colombia 20883
- E** *Swartzia amshoffiana* Cowan 20883  
I 20883 Suriname 20883
- E** *Swartzia angustifoliola* Schery 20883  
I 20883 Venezuela 20883
- E** *Swartzia anomala* Cowan 20883  
I 20883 Guyana 20883
- V** *Swartzia apetala* var. *blanchetii* (Bentham)  
Cowan 20883  
I 20883 Brazil 20883
- R** *Swartzia apetala* var. *glabra* (Vogel)  
Cowan 20883  
I 20883 Brazil 20883
- R** *Swartzia apetala* var. *subcordata*  
Cowan 20883  
I 20883 Brazil 20883
- E** *Swartzia apiculata* Cowan 20883  
I 20883 Guyana 20883
- V** *Swartzia aptera* A. De Candolle 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Swartzia benthamiana* var. *yatuensis*  
Cowan 20883  
E 20883 Venezuela 20883
- V** *Swartzia brachyrachis* var. *colombiana*  
Cowan 20883  
I 20883 Colombia 20883
- E** *Swartzia brachyrachis* var. *peruviana*  
Cowan 20883  
I 20883 Peru 20883
- R** *Swartzia brachyrachis* var. *snethlageae* (Ducke)  
Ducke 20883  
I 20883 Brazil 20883
- V** *Swartzia buntingii* Cowan 20883  
I 20883 Venezuela 20883
- E** *Swartzia cabreræ* Cowan 20883  
I 20883 Colombia 20883
- R** *Swartzia caribæa* Grisebach 20883, 10199  
I 20883 Dominica 20883  
I 20883 Guadeloupe 20883
- E** *Swartzia caudata* Cowan 20883  
I 20883 Venezuela 20883
- R** *Swartzia conferta* var. *vaupesiana*  
Cowan 20883  
I 20883 Brazil 20883  
I 20883 Colombia 20883
- E** *Swartzia costata* (Rusby) Cowan 20883  
I 20883 Bolivia 20883
- E** *Swartzia cubensis* (Britton & Rose) Cowan var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Swartzia*

- nicaraguensis* (Britton & Rose) Cowan 20883, 9808  
 I 20883 Nicaragua 20883
- E *Swartzia cupavenensis* Cowan 20883  
 I 20883 Venezuela 20883
- E *Swartzia curranii* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia davisii* Sandwith 20883  
 I 20883 Guyana 20883
- R *Swartzia discocarpa* Ducke 20883  
 I 20883 Brazil 20883
- E *Swartzia dolichopoda* Cowan 20883  
 I 20883 Venezuela 20883
- V *Swartzia duckei* Huber 20883  
 I 20883 Brazil 20883
- R *Swartzia eriocarpa* Bentham 20883  
 I 20883 Guyana 20883
- E *Swartzia fanshawei* Cowan 20883  
 I 20883 Guyana 20883
- E *Swartzia fimbriata* Ducke 20883  
 I 20883 Brazil 20883
- V *Swartzia floribunda* Spruce ex Bentham 20883  
 I 20883 Venezuela 20883
- E *Swartzia foliolosa* Cowan 20883  
 I 20883 Colombia 20883
- E *Swartzia fraterna* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia froesii* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia gigantea* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia glaziouviana* (Taubert) Glaziou 20883, 17079  
 I 20883 Brazil 20883  
 E 17079 Brazil - Rio de Janeiro (Cabo Frio, Sao Pedro, Aidea) 17079
- E *Swartzia grazielana* Rizz. 20883  
 I 20883 Brazil 20883
- R *Swartzia guatemalensis* (Donnell Smith) Pittier 20883, 9004  
 I 20883 Guatemala 20883
- V *Swartzia haughtii* Cowan 20883  
 I 20883 Ecuador 20883
- V *Swartzia hostmannii* Bentham 20883  
 I 20883 French Guiana 20883  
 I 20883 Suriname 20883
- R *Swartzia ingifolia* Ducke 20883  
 I 20883 Brazil 20883
- V *Swartzia iniridensis* Cowan 20883  
 I 20883 Colombia 20883
- E *Swartzia jenmanii* Sandwith 20883  
 I 20883 Guyana 20883
- R *Swartzia jorori* Harms 20883  
 I 20883 Bolivia 20883
- E *Swartzia katawa* Cowan 20883  
 I 20883 Guyana 20883
- R *Swartzia krukovii* Cowan 20883  
 I 20883 Brazil 20883
- R *Swartzia lamellata* Ducke 20883  
 E 20883 Brazil 20883  
 E 20883 Guyana 20883
- E *Swartzia lamellata* Ducke var. *kaieteurensis* Cowan 20883  
 E 20883 Guyana 20883
- V *Swartzia lamellata* Ducke var. *lamellata* 20883  
 I 20883 Brazil 20883
- R *Swartzia langsdorffii* Raddi 20883  
 I 20883 Brazil 20883
- E *Swartzia latifolia* var. *latifolia* 20883  
 I 20883 Guyana 20883
- V *Swartzia leblondii* Cowan 20883  
 I 20883 French Guiana 20883
- V *Swartzia leiogyne* (Sandwith) Cowan 20883  
 I 20883 Guyana 20883
- V *Swartzia littlei* Cowan 20883  
 I 20883 Ecuador 20883
- V *Swartzia longicarpa* Amshoff 20883  
 I 20883 Suriname 20883
- E *Swartzia longipedicellata* Sandwith 20883  
 I 20883 Guyana 20883
- V *Swartzia longistipitata* Ducke 20883  
 I 20883 Brazil 20883
- E *Swartzia lucida* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia macrophylla* Willdenow ex Vogel 20883, 9808  
 I 19353 Colombia 20883
- R *Swartzia macrosema* Harms 20883  
 I 20883 Colombia 20883  
 I 20883 Peru 20883
- E *Swartzia macrostachya* var. *glabrifolia* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia macrostachya* var. *kuhlmannii* (Hoehne) Cowan 20883  
 I 20883 Brazil 20883
- V *Swartzia macrostachya* var. *macrostachya* 20883  
 I 20883 Brazil 20883
- V *Swartzia macrostachya* var. *riedelii* Cowan 20883  
 I 20883 Brazil 20883
- E *Swartzia magdalенаe* Britton & Killip 20883, 9808  
 I 19353 Colombia 20883
- V *Swartzia maguirei* Cowan 20883  
 I 20883 Venezuela 20883
- E *Swartzia mangabalensis* Cowan 20883  
 I 20883 Brazil 20883
- R *Swartzia martii* Eichler ex Bentham 20883  
 I 20883 Brazil 20883
- R *Swartzia microcarpa* Spruce ex Bentham 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883
- E *Swartzia monachiana* Cowan 20883  
 I 20883 Colombia 20883
- E *Swartzia mucronifera* Cowan 20883  
 I 20883 Colombia 20883
- R *Swartzia myrtifolia* var. *peruviana* Cowan 20883  
 I 20883 Peru 20883
- R *Swartzia myrtifolia* var. *standleyi* (Britton & Rose)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Swartzia*

- Cowan 20883  
 I 20883 Guatemala 20883  
 I 20883 Honduras 20883
- E** *Swartzia nuda* Schery 20883, 9808  
 I 20883 Panama 20883
- E** *Swartzia oblonga* Bentham 20883  
 I 20883 Venezuela 20883
- E** *Swartzia oraria* Cowan 20883  
 I 20883 Colombia 20883
- E** *Swartzia pachyphylla* Harms 20883  
 I 20883 Venezuela 20883
- E** *Swartzia panacoco* Cowan var. *altsonii* (Sandwith)  
 Cowan 20883  
 I 20883 Guyana 20883
- E** *Swartzia panacoco* Cowan var. *kamarangensis*  
 Cowan 20883  
 I 20883 Guyana 20883
- V** *Swartzia panacoco* Cowan var. *panacoco* 20883  
 I 20883 French Guiana 20883
- V** *Swartzia panacoco* Cowan var. *sagotii* (Sandwith)  
 Cowan 20883  
 I 20883 French Guiana 20883
- E** *Swartzia panacoco* Cowan var. *sandwithiana* (Cowan)  
 Cowan 20883  
 I 20883 Guyana 20883
- V** *Swartzia panacoco* Cowan var. *tepuiensis* (Schery)  
 Cowan 20883  
 I 20883 Venezuela 20883
- V** *Swartzia parvifolia* Schery 20883  
 I 20883 Venezuela 20883
- E** *Swartzia permitida* Cowan 20883  
 I 20883 Brazil 20883
- V** *Swartzia phaneroptera* Standley 20883  
 I 20883 Guatemala 20883  
 V 20883 Honduras 20883
- V** *Swartzia piarensis* Cowan 20883  
 I 20883 Venezuela 20883
- V** *Swartzia pickelii* Killip ex Ducke 20883  
 I 20883 Brazil 20883
- R** *Swartzia picta* var. *bolivarensis*  
 Cowan 20883  
 I 20883 Brazil 20883  
 I 20883 Venezuela 20883
- V** *Swartzia pittieri* Schery 20883  
 I 20883 Venezuela 20883
- E** *Swartzia prolata* Cowan 20883  
 I 20883 Brazil 20883
- V** *Swartzia racemosa* var. *klugii* Cowan 20883  
 I 20883 Peru 20883
- V** *Swartzia racemosa* var. *major* Cowan 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883
- R** *Swartzia remiger* Amshoff 20883  
 R 20883 Suriname 20883
- E** *Swartzia riedelii* Cowan 20883  
 I 20883 Brazil 20883
- E** *Swartzia roraimae* Sandwith 20883  
 I 20883 Venezuela 20883
- V** *Swartzia santanderensis* Cowan 20883  
 I 20883 Colombia 20883
- R** *Swartzia schomburgkii* var. *guayanensis*  
 Cowan 20883  
 I 20883 Venezuela 20883
- R** *Swartzia schomburgkii* var. *rigida*  
 Cowan 20883  
 I 20883 Brazil 20883  
 I 20883 Colombia 20883
- R** *Swartzia schultesii* Cowan 20883  
 I 20883 Colombia 20883
- E** *Swartzia schunkei* R. S. Cowan 20883  
 I 20883 Peru 20883
- E** *Swartzia sericea* var. *emarginata*  
 Ducke 20883  
 I 20883 Brazil 20883
- E** *Swartzia sprucei* var. *sprucei* 20883  
 I 20883 Venezuela 20883
- R** *Swartzia sprucei* var. *tessellata*  
 Cowan 20883  
 I 20883 Guyana 20883  
 I 20883 Venezuela 20883
- R** *Swartzia steyermarkii* Cowan 20883  
 I 20883 Venezuela 20883
- R** *Swartzia stipellata* Cowan 20883  
 I 20883 Brazil 20883
- E** *Swartzia sumorum* Molina 20883, 9808  
 I 20883 Nicaragua 20883
- R** *Swartzia tomentifera* (Ducke) Ducke 20883  
 I 20883 Brazil 20883
- E** *Swartzia trinitensis* Urban 20883  
 E 20883 Trinidad & Tobago 20883  
 E 20883 Venezuela 20883
- V** *Swartzia ulei* Harms 20883  
 I 20883 Brazil 20883
- R** *Swartzia vaupesiana* Cowan 20883  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883
- V** *Swartzia vaupesiana* var. *glauca* Cowan 20883  
 I 20883 Venezuela 20883
- E** *Swartzia vaupesiana* var. *vaupesiana* 20883  
 I 20883 Colombia 20883
- E** *Swartzia velutina* Spruce ex Bentham 20883  
 I 20883 Brazil 20883
- E** *Swartzia wurdackii* Cowan 20883  
 I 20883 Venezuela 20883
- E** *Swartzia xanthopetala* Sandwith 20883  
 I 20883 Guyana 20883
- R** *Tachigali micrantha* (L.O. Williams) Zanucchi &  
 Herendeen 18200  
 R 18200 Peru 17462
- R** *Tachigali setifera* (Ducke) Zannucchi &  
 Herendeen 18200  
 R 18200 Peru 18200
- Ex/E** *Talbotiella gentii* Hutch. & Greenway 7926  
 Ex/E 20858 Ghana 6072
- V** *Taverniera schimperi* Jaub. & Spach 19704  
 V 19704 Ethiopia (West Eritrea, Tigray Upland, Shewa Upland) 19704
- E** *Taverniera sericophylla* Balf. f. 15534  
 E 19011 Yemen - Socotra (western coast) 15534

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Taverniera*

- E** *Teline benehoavensis* (Bolle ex Svent.) Santos  
E Spain - Canary Is.
- V** *Teline gomeræ* (Gibbs & Dingw.) Kunkel  
V Spain - Canary Is.
- V** *Teline linifolia* (L.) Webb & Berthel. ssp. *gomeræ*  
P.E. Gibbs & Dingwall  
V Spain - Canary Is.
- V** *Teline linifolia* (L.) Webb & Berthel. ssp. *pallida*  
(Poiret) P.E. Gibbs & Dingwall  
V Spain - Canary Is.
- R** *Teline linifolia* (L.) Webb & Berthel. ssp.  
*rosmarinifolia* (Webb & Berth.) Gibbs & Dingw.  
R Spain - Canary Is.
- E** *Teline linifolia* (L.) Webb & Berthel. ssp.  
*teneriffæ* P.E. Gibbs & Dingwall  
E Spain - Canary Is.
- E** *Teline nervosa* A. Hansen & Sunding 20750  
E 20750 Spain - Canary Is. 20750
- R** *Teline osyroides* (Svent.) P.E. Gibbs &  
Dingwall 20750  
R 20750 Spain - Canary Is. 20750
- E** *Teline osyroides* (Svent.) Gibbs & Dingw. ssp.  
*osyroides*  
E Spain - Canary Is.
- R** *Teline osyroides* (Svent.) Gibbs & Ding. ssp. *sericea*  
(O. Kuntze) Arco, et al.  
R Spain - Canary Is.
- R** *Teline paivæ* (Lowe) P.E. Gibbs & Dingwall  
R Portugal - Madeira
- E** *Teline rosmarinifolia* Webb & Berthel. ssp. *eurifolia*  
Arco  
E Spain - Canary Is.
- R** *Teline rosmarinifolia* Webb & Berthel. ssp.  
*rosmarinifolia* 17781  
R Spain - Canary Is. 17891
- E** *Teline salsoloides* Arco & Acebes 17891  
E 20750 Spain - Canary Is. 17891
- V** *Teline splendens* (Webb & Berthel.) Arco 20750  
V 20750 Spain - Canary Is. 20750
- R** *Templetonia drummondii* Benth. 20681  
R 20681 Australia - Western Australia 20681
- V** *Tephrosia abbottiae* C.E. Wood 20914  
V 20914 Mexico - Guerrero 20914  
V 20914 Mexico - Mexico State 20914
- E** *Tephrosia angustissima* Shuttlw. ex Chapman 20850  
E 20850 U.S. - Florida 20850
- Ex/E** *Tephrosia angustissima* Shuttlw. ex Chapman var.  
*angustissima* 20850  
Ex/E 20850 U.S. - Florida 20850
- E** *Tephrosia angustissima* Shuttlw. ex Chapman var.  
*corallicola* (Small) Isely 20850  
E 20850 U.S. - Florida 20850
- E** *Tephrosia angustissima* Shuttlw. ex Chapman var.  
*curtissii* (Small ex Rydb.) Isely 20850  
E 20850 U.S. - Florida 20850
- I** *Tephrosia bachmannii* Harms 20604  
I 20604 South Africa - Natal 20604
- R** *Tephrosia barberi* Drumm. 14782  
R 14782 India - Tamil Nadu 14782
- R** *Tephrosia calophylla* Beddome 14782  
R 14782 India - Tamil Nadu 14782
- R** *Tephrosia cana* Brandegee 20914  
R 20914 Mexico - Baja California Sur 20914
- R** *Tephrosia carrollii* O. Téllez 20914  
R 20914 Mexico - Nayarit 20914  
R 20914 Mexico - Oaxaca 20914
- I** *Tephrosia collina* V. Sharma var. *lanuginocarpa* V.  
Sharma  
I India - Gujarat (Kutch)  
I India - Rajasthan
- R** *Tephrosia konzattii* (Rydb.) Standley 20914  
R 20914 Mexico - Jalisco 20914  
R 20914 Mexico - Michoacan 20914  
R 20914 Mexico - Nayarit 20914  
R 20914 Mexico - Oaxaca 20914
- R** *Tephrosia cuernavacana* (Rose) MacBride 20914  
R 20914 Mexico - Morelos 20914
- V** *Tephrosia dichrocarpa* Steud. ex A. Rich 19704  
V 19704 Ethiopia (Tigray, Gonder, Gojam) 19704
- V** *Tephrosia diversifolia* (Rose) MacBride 20914  
V 20914 Mexico - Michoacan 20914
- R** *Tephrosia foliolosa* (Rydb.) Riley 20914  
R 20914 Mexico 20914
- R** *Tephrosia fulvinervis* Hochst. ex A. Rich 19704  
R 19704 Ethiopia (West Eritrea, Tigray Upland, Gonder, Shewa  
Upland.) 19704
- R** *Tephrosia gobensis* Brummitt 18023  
R Mozambique  
I 18023 Swaziland 18023
- V** *Tephrosia guayameoensis* O. Téllez 20914  
V 20914 Mexico - Guerrero 20914
- V** *Tephrosia hochstetteri* Chiov. 19704  
V 19704 Ethiopia (West Eritrea, Tigray Upland)  
19704
- V** *Tephrosia hypoleuca* Riley 20914  
V 20914 Mexico - Sinaloa 20914
- V** *Tephrosia inandensis* H.M.L. Forbes 20604  
V 20604 South Africa - Natal 20604
- R** *Tephrosia jannagerensis* Santapau  
R 13883 India - Gujarat 13883
- I** *Tephrosia kalamboensis* Brummitt & J.B. Gillett 7959  
I 5926 Tanzania (Ufipa District) 5926
- Ex** *Tephrosia kassasi* Boulos 12346  
Ex 12346 Egypt 12346
- R** *Tephrosia kazibensis* Cronq. 19358  
R 19358 Zaire (Haut-Katanga) 19358
- E** *Tephrosia leratiana* Harms 20893  
E 20893 New Caledonia 20893
- V** *Tephrosia leveillei* Domin 20681  
V 20681 Australia - Queensland 20681
- R** *Tephrosia lindheimeri* A. Gray 20914  
R 20914 U.S. - Texas (south-east) 20914  
R 20914 Mexico (north-east) 20914
- R** *Tephrosia linearibracteolata* O. Téllez (ined.) 20914  
R 20914 Mexico - Oaxaca 20914
- R** *Tephrosia madrensis* Seem. 20914  
R 20914 Mexico - Durango 20914  
R 20914 Mexico - Nayarit 20914
- R** *Tephrosia major* Micheli 20914

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Tephrosia*

- R 20914 Mexico - Jalisco 20914  
R 20914 Mexico - Michoacan 20914
- V *Tephrosia mexicana* C.E.Wood 20914  
V 20914 Mexico - Mexico State 20914
- V *Tephrosia microcarpa* O.Téllez 20914  
V 20914 Mexico - Nayarit 20914
- I *Tephrosia natalensis* H.M. Forbes ssp. *natalensis* 18023  
I 18023 Swaziland 18023
- E *Tephrosia odorata* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- R *Tephrosia pachypoda* Riley 20914  
R 20914 Mexico - Nayarit 20914  
R 20914 Mexico - Sinaloa 20914
- V *Tephrosia palmeri* S.Watson 20914  
V 20914 Mexico - Baja California Sur 20914
- I *Tephrosia pentaphylla* (Roxb.) Sweet  
I India - Karnataka (Bellary)
- V *Tephrosia platyphylla* (Rose) Standl. 20914  
V 20914 Mexico 20914
- V *Tephrosia pogonocalyx* C.E.Wood 20914  
V 20914 Mexico - Mexico State 20914
- R *Tephrosia pondoensis* (Codd) Schrire 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Tephrosia potosina* Brandeg. 20914  
R 20914 Mexico - Nuevo Leon 20914  
R 20914 Mexico - San Luis Potosi 20914
- V *Tephrosia pringlei* (Rose) Maobr. 20914  
V 20914 Mexico - Oaxaca 20914
- V *Tephrosia quercetorum* C.E.Wood 20914  
V 20914 Mexico - Guerrero 20914
- V *Tephrosia rugelii* Shuttlw. ex B.L. Robins. 20850  
I 20850 U.S. - Florida 20850
- R *Tephrosia saxicola* C.E.Wood 20914  
R 20914 Mexico - Jalisco 20914  
R 20914 Mexico - Sinaloa 20914
- V *Tephrosia seemanii* (Britten et Bak. f.) K. Schum. 20914  
V 20914 Mexico - Durango 20914
- R *Tephrosia simulans* C.E.Wood 20914  
R 20914 Mexico - Jalisco 20914
- V *Tephrosia sousae* O.Téllez 20914  
V 20914 Mexico - Nayarit 20914
- R *Tephrosia tenella* A.Gray 20914  
R 20914 Mexico 20914
- R *Tephrosia tepicana* Standley 20914  
R 20914 Mexico - Jalisco 20914  
R 20914 Mexico - Nayarit 20914
- R *Tephrosia thurberi* (Rydb.) C.E. Wood 20883, 20850  
R 20850 U.S. - Arizona 20850  
V 20914 Mexico - Chihuahua 20914
- R *Tephrosia tuitoensis* A. Téllez 20914  
R 20914 Mexico - Jalisco 20914
- V *Tephrosia vernicosa* C.E.Wood 20914  
V 20914 Mexico - Jalisco 20914
- R *Tephrosia viridiflora* O. Téllez 10153  
R 20914 Mexico - Jalisco 10153  
R 20914 Mexico - Nayarit 20914
- R *Tephrosia wynaadensis* Drumm. 14782
- R 14782 India - Kerala 14782
- V *Tessmannia densiflora* Harms 7959  
V 20885 Tanzania (Rufiji & Kilwa Districts) 20885
- V *Tessmannia martiniana* Harms var. *martiniana* 7959  
V 20885 Tanzania (coast) 20885
- V *Tessmannia martiniana* Harms var. *pauli* J.Leonard 20556  
V 20885 Tanzania (coast) 20885
- R *Tetraberlinia moreliana* Aubrév. 12346  
R Gabon 12346
- Ex *Tetragonolobus wiedemannii* Boiss. 8000, 20171  
Ex 14155 Greece (Paros) 8000
- I *Thermopsis inflata* Cambess.  
I India - Himachal Pradesh  
I India - Jammu & Kashmir
- V *Thermopsis macrophylla* Hook. & Arn. var. *semota* Jepson 20850  
E 20850 U.S. - California 20850
- E *Thermopsis turcica* Kit Tan, Vural & Kucukoduk 12840  
E 12840 Turkey 12840
- Ex *Trifolium acutiflorum* Murb. 12346  
Ex 12346 Morocco 12346
- E *Trifolium amoenum* Greene 20850, 14662  
E 20850 U.S. - California 20850
- R *Trifolium andersonii* Gray ssp. *monoense* (Greene) J. Gillett 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- R *Trifolium andinum* Nutt. 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850  
V 20850 U.S. - Wyoming 20850
- E *Trifolium andinum* Nutt. var. *podocephalum* Barneby 20850  
E 20850 U.S. - Nevada 20850
- R *Trifolium apertum* Bobrov var. *kilaeum* Zoh. & lenr. 12840  
R 12840 Turkey 12840
- V *Trifolium barbeyi* Gibelli & Belli 20171  
V 20731 Greece - Crete (Karpathos) 20731
- V *Trifolium batmanicum* Katznelson 12840  
V 12840 Turkey 12840
- R *Trifolium bivonae* Guss. 20171  
R Italy - Sicily
- E *Trifolium calcaricum* Collins and Wieboldt 20850  
E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850
- E *Trifolium chilaloense* Thulin 19704  
E 19704 Ethiopia (Arsi) 19704
- R *Trifolium davisii* Hossain 12840  
R 12840 Turkey 12840
- V *Trifolium dedeckeriae* J. Gillett 20850  
V 20850 U.S. - California 20850
- R *Trifolium dolopium* Heldr. & Hausskn. ex Gibelli & Belli 20171  
R Greece

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Trifolium*

- R** *Trifolium eriocephalum* Nutt. ssp. *arcuatum* (Piper)  
J. Gillett 20850  
I 20850 U.S. - Idaho 20850  
E 20850 U.S. - Montana 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- V** *Trifolium euxinum* Zoh. 12840  
V 12840 Turkey 12840
- V** *Trifolium gracilentum* Torr. & Gray var. *palmeri*  
(S. Watson) McDermott 20850  
V 20850 U.S. - California 20850
- E** *Trifolium haydenii* Porter var. *barnebyi*  
Isely 20850  
20850 U.S. - Wyoming 20850
- V** *Trifolium kingii* (Greene) J. Gillett ssp. *macilentum*  
(Greene) J. Gillett 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Utah 20850
- E** *Trifolium leibergii* A. Nels. & J.F. Macbr. 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850
- R** *Trifolium longidentatum* Nab. 12840  
R 12840 Turkey 12840
- V** *Trifolium neurophyllum* Greene 20850  
V 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850
- V** *Trifolium owyheense* Gilkey 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Oregon 20850
- E** *Trifolium pachycalyx* Zoh. 12840  
E 12840 Turkey 12840
- V** *Trifolium pichisermollii* J.B. Gillett 19704  
V 19704 Ethiopia (Gojam, Shewa Upland) 19704
- V** *Trifolium plumosum* (J.S. Martin) J. Gillett ssp. *amplifolium* (J.S. Martin) J. Gillett 20850  
V 20850 U.S. - Idaho 20850
- E** *Trifolium polyodon* Greene 20850  
E 20850 U.S. - California 20850
- R** *Trifolium praetermissum* Greuter, Plegier & Raus 20731  
R 20731 Greece - Crete (inc. Karpathos) 20731
- E** *Trifolium rollinsii* J. Gillett 20850  
E 20850 U.S. - Nevada 20850
- R** *Trifolium roussaenanum* Boiss. 12840  
R 12840 Turkey 12840
- R** *Trifolium saxatile* All. 8000, 20171  
V Austria 8000  
R 20528 France (Alps) 20528  
R 18264 Italy 19997  
R 18154 Switzerland 18154
- E** *Trifolium somalense* Taub. 19704  
E 19704 Ethiopia (Sidamo) 19704
- R** *Trifolium spananthum* Thulin 19704  
R 19704 Ethiopia (Wello Upland, Arsi, Bale, Kefa) 19704
- R** *Trifolium stoloniferum* Muhl. ex Eat. 20850  
Ex/E 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Indiana 20850  
Ex 20850 U.S. - Kansas 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Missouri 20850
- V 20850 U.S. - Ohio 20850  
I 20850 U.S. - Virginia 20850  
V 20850 U.S. - West Virginia 20850
- V** *Trifolium thompsonii* Morton 20850  
V 20850 U.S. - Washington 20850
- E** *Trifolium trichocalyx* Heller 20850  
E 20850 U.S. - California 20850
- I** *Trifolium ukingense* Harms 7959  
I 5926 Tanzania (Njombe District) 5926
- R** *Trifolium velebiticum* Degen 20171  
R (former) Yugoslavia
- I** *Trifolium wentzelianum* Harms var. *wentzelianum* 7959  
I 5926 Tanzania (Njombe District) 5926
- E** *Trigonella arenicola* Huber-Mor. 12840  
E 12840 Turkey 12840
- E** *Trigonella balachowskyi* Leredde 10488  
E 14958 Algeria 10488
- R** *Trigonella cephalotes* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Trigonella cilicica* Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Trigonella halophila* Boiss. 12840  
V 12840 Turkey 12840
- R** *Trigonella lycica* Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Trigonella moabitica* Zohary  
V Jordan
- R** *Trigonella pamphylica* Huber-Mor. & Sirj. 12840  
R 12840 Turkey 12840
- V** *Trigonella polycarpa* Boiss. & Heldr. 12840  
V 12840 Turkey 12840
- R** *Trigonella pseudocapitata* Contandr. ex Quezel 12840  
R 12840 Turkey 12840
- R** *Trigonella rechingeri* Sirj. 20171  
R Greece
- R** *Trigonella rhytidocarpa* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Trigonella rigida* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Trigonella sirjaevii* Huber-Mor. 12840  
R 12840 Turkey 12840
- V** *Ulex densus* Welw. ex Webb 8000, 20171  
V 20076 Portugal (west-central) 8000
- R** *Umtiza listeriana* Sim 20604  
R 20604 South Africa - Cape Province 20604
- I** *Vavilova formosa* (Steven) Fed. 5942  
I 5942 Russia - North Caucasus 5942  
I 5942 Armenia 5942  
I 5942 Azerbaijan 5942
- R** *Vicia aphylla* C. Smith ex Link  
R Spain - Canary Is.
- I** *Vicia benthamiana* Ali  
I India - Jammu & Kashmir
- E** *Vicia bifoliolata* Rodr. 8000, 20171  
E 20874 Spain - Balearic Is. (Menorca) 8000
- R** *Vicia canescens* Lab. ssp. *leucomalla* (Bornm.)  
Davis 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Leguminosae: *Vicia*

- V** *Vicia capreolata* Lowe  
**V** Portugal - Madeira
- R** *Vicia cirrhosa* Chr. Sm.  
**R** Spain - Canary Is.
- I** *Vicia davisii* Greuter  
**I** Greece
- Ex** *Vicia dennesiana* H.C.Watson 8000, 20171  
**Ex** 20216 Portugal - Azores (Sao Miguel) 8000
- R** *Vicia filicaulis* Webb & Berthel. 20750  
**R** 20750 Spain - Canary Is. 20750
- I** *Vicia fulgens* Battand. 10488  
**I** 14958 Algeria 10488
- R** *Vicia garbiensis* Font Quer & Pau  
**R** Morocco
- V** *Vicia giacominiiana* Segelberg 18264  
**V** 18264 Italy (Puglia) 18264
- R** *Vicia glareosa* Davis 12840  
**R** 12840 Turkey 12840
- R** *Vicia hololasia* Woronow 11552  
**R** 11552 Russian Federation (Caucasus) 11552
- V** *Vicia lomensis* J.F. Macbr. 18200  
**V** 9446 Peru 18200
- E** *Vicia menziesii* Spreng. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Vicia montenegrina* Rohlena 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**I** Bulgaria  
**R** (former) Yugoslavia
- E** *Vicia ocalensis* Godfrey & Kral 20850  
**E** 20850 U.S. - Florida 20850
- V** *Vicia portosanctana* Menezes  
**V** Portugal - Madeira
- R** *Vicia quadrijuga* Davis 12840  
**R** 12840 Turkey 12840
- V** *Vicia scandens* R.P. Murray 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Vicia sinaica* Boulos  
**R** Egypt
- R** *Vicia splendens* Davis 12840  
**R** 12840 Turkey 12840
- V** *Vigna debanensis* Martelli 19704  
**V** 19704 Ethiopia (West Eritrea, Tigray Upland.) 19704
- R** *Vigna dolomitica* R. Wilczek 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Vigna khandalensis* (Sant.) Raghavan & Wadhwa 14782  
**R** 14782 India - Maharashtra 14782
- E** *Vigna owahuensis* Vogel 20850  
**E** 20850 U.S. - Hawaii 20850
- Ex/E** *Weberbauerella brongniartioides* Ulbr. 18200  
**Ex/E** 12468 Peru 18200
- Ex/E** *Weberbauerella raimondiana* Ferreyra 18200  
**Ex/E** 12468 Peru 18200
- R** *Wiborgia humilis* (Thunb.) R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Xanthocercis rabiensis* Maesen 21002  
**I** 21002 Gabon 21002
- I** *Xiphotheca elliptica* (DC.) A.L.Schutte & B.-E.van Wyk 20604

- I** 20604 South Africa - Cape Province 20604
- I** *Xiphotheca lanceolata* (E.Mey.) Eckl. & Zeyh. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Xiphotheca phylicoides* A.L.Schutte & B.-E.van Wyk 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Xiphotheca tecta* (Thunb.) A.L.Schutte & B.-E.van Wyk 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Zenkerella capparidacea* (Taubert) J. Léonard 12346  
**R** 5926 Tanzania (Uluguru mountains) 5926
- R** *Zenkerella capparidacea* (Taubert) J. Léonard ssp. *capparidacea* 20911  
**R** 5926 Tanzania (Uluguru mountains) 5926
- R** *Zenkerella capparidacea* (Taubert) J. Léonard ssp. *grotei* (Harms) Temu 20911  
**R** 5926 Tanzania (Usambara mountains) 5926
- I** *Zenkerella egregia* J. Léonard 20556  
**I** 5926 Tanzania (East Usambara, Uluguru & Nguru Mts.) 20921
- R** *Zornia acuta* S.Reyn. & Holland 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Zornia punctatissima* Milne-Redh. 7959  
**I** 5926 Tanzania (Chunya) 5926
- E** *Zornia vaughaniana* Mohlenbr. 10082  
**E** 20771 Mauritius 10082

**Leitneriaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)  
 Southeastern United States.

- R** *Leitneria floridana* Chapman 20850  
**R** 20850 U.S. - Arkansas 20850  
**R** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - Missouri 20850  
**E** 20850 U.S. - Texas 20850

**Lennoaceae**

Number of genera: 3  
 Number of species: 4-5  
 Recorded threatened species: 2 (40%)

New World from southwestern United States to Colombia and Venezuela.

- R** *Pholisma arenarium* Nutt. ex Hook. 20883, 20850, 8058  
**E** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883  
 ? Mexico - Baja California Peninsula 8058
- R** *Pholisma sonorae* (Torr. ex Gray) Yatskievych 20883, 20850  
**E** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lentibulariaceae: *Pinguicula*

**Lentibulariaceae**

Number of genera: 5  
 Number of species: 200  
 Recorded threatened species: 24 (12%)

Cosmopolitan.

- I** *Pinguicula bohemica* Krajina 2050  
 E 2050 Czech Republic (Elbe River basin) 2050  
 I 17821 Slovakia 17821
- R** *Pinguicula fiorii* Tammaro & Pace 18264  
 R 18264 Italy (Abruzzi) 18264
- V** *Pinguicula grandiflora* Lam. ssp. *coenocantabrica*  
 Rivas Mart. T.E. Diaz, et al.  
 V Spain
- V** *Pinguicula grandiflora* Lam. ssp. *dertosensis*  
 (Cañigüeral) O.Bolòs & Vigo 20692  
 V 20692 Spain (Puertos de Tortosa y Becente) 20692
- V** *Pinguicula ionantha* Godfrey 20850, 15917  
 V 20850 U.S. - Florida 20850
- R** *Pinguicula longifolia* Ramond ex DC. ssp. *reichenbachiana* (J.Schindl.) Casper 20171  
 E 20528 France (south-east) 20528  
 R 20804 Italy 20528
- R** *Pinguicula lutea* Walt. 12224  
 R 12224 U.S. - Mississippi 12224
- V** *Pinguicula nevadensis* (H.Lindb.) Casper 15398, 20171  
 V 20874 Spain 15398
- R** *Pinguicula primulifolia* Wood & Godfrey 12224  
 R 12224 U.S. - Mississippi 12224
- V** *Pinguicula racemosa* Miyoshi 10573  
 V 10573 Japan 10573
- E** *Pinguicula vallisneriifolia* Webb 19174, 20171  
 E 19174 Spain 19174
- E** *Pinguicula vulgaris* L. ssp. *bicolor* (Wol.) A.D. Löve 19306  
 E 18216 Poland 18216
- I** *Utricularia biovularioides* (Kulhm.) P. Taylor 20103  
 I Brazil - Goias 20103
- I** *Utricularia cecilii* P. Taylor 20103  
 I 20103 India - Karnataka 20103
- I** *Utricularia corynephora* P. Taylor 20103  
 I 20103 Myanmar (Tavoy District, Paungdaw) 20103  
 I 20103 Thailand (Oom, near Renong.) 20103
- I** *Utricularia deterrmannii* P. Taylor 20103  
 I 20103 Suriname (Wilhelmina Mts.) 20103
- V** *Utricularia dimorphantha* Makino 10573  
 V 10573 Japan 10573
- I** *Utricularia garrettii* P. Taylor 20103  
 I 20103 Thailand (Doi Angka, Pa Ngem, north rock.) 20103
- R** *Utricularia hamiltonii* F.Lloyd 20681, 20103  
 R 20681 Australia - Northern Territory 20681
- R** *Utricularia holtzei* F.Muell. 20681, 20103  
 R 20681 Australia - Northern Territory 20681
- I** *Utricularia letestui* P. Taylor 20103  
 I 20103 Central African Republic (Boukoko) 20103
- I** *Utricularia mirabilis* P. Taylor 20103  
 I 20103 Venezuela 20103

- I** *Utricularia panamensis* Steyererm. ex P. Taylor 20103  
 I 20103 Panama (Coclé prov.) 20103
- I** *Utricularia peranomala* P. Taylor 20103  
 I 20103 China - Guangxi (Tzu Yuen district) 20103
- R** *Utricularia rhododactylos* P. Taylor 20681, 20103  
 R 20681 Australia - Northern Territory 20681

**Limnanthaceae**

Number of genera: 2  
 Number of species: 11  
 Recorded threatened species: 8 (72%)

Temperate North America.

- E** *Limnanthes bakeri* J.T. Howell 20850  
 E 20850 U.S. - California 20850
- E** *Limnanthes douglasii* R. Br. ssp. *sulphurea* (C.T. Mason) C.T. Mason 20850  
 E 20850 U.S. - California 20850
- V** *Limnanthes floccosa* J.Howell ssp. *bellingieriana* (M.E. Peck) Arroyo 20850  
 E 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- E** *Limnanthes floccosa* J. Howell ssp. *californica* Arroyo 20850  
 E 20850 U.S. - California 20850
- E** *Limnanthes floccosa* J. Howell ssp. *grandiflora* Arroyo 20850  
 E 20850 U.S. - Oregon 20850
- E** *Limnanthes floccosa* J. Howell ssp. *pumila* (T.J. Howell) Arroyo 20850  
 E 20850 U.S. - Oregon 20850
- R** *Limnanthes gracilis* T.J. Howell 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850
- V** *Limnanthes gracilis* T. J. Howell ssp. *gracilis* 20850  
 I 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- V** *Limnanthes gracilis* T.Howell ssp. *parishii* (Jepson) Beauchamp 20850  
 V 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850
- V** *Limnanthes macounii* Trel. 20850, 10701  
 V 20850 Canada - British Columbia 20850
- R** *Limnanthes montana* Jepson 20850  
 I 20850 U.S. - California 20850
- R** *Limnanthes striata* Jepson 20850  
 I 20850 U.S. - California 20850
- V** *Limnanthes vinculans* Ornduff 20850  
 V 20850 U.S. - California 20850
- Linaceae**
- Number of genera: 6  
 Number of species: 220  
 Recorded threatened species: 48 (21%)
- Widespread, especially temperate and subtropical.
- V** *Hesperolinon adenophyllum* (Gray) Small 20850  
 V 20850 U.S. - California 20850
- V** *Hesperolinon bicarpellatum* (H.K. Sharsmith) H.K. Sharsmith 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Linaceae: *Hesperolinon*

- V 20850 U.S. - California 20850
- V *Hesperolinon breweri* (Gray) Small 20850  
V 20850 U.S. - California 20850
- R *Hesperolinon californicum* (Benth.) Small 20850  
I 20850 U.S. - California 20850
- R *Hesperolinon clevelandii* (Greene) Small 20850  
I 20850 U.S. - California 20850
- V *Hesperolinon congestum* (Gray) Small 20850  
V 20850 U.S. - California 20850
- E *Hesperolinon didymocarpum* H.K. Sharsmith 20850  
E 20850 U.S. - California 20850
- R *Hesperolinon disjunctum* H.K. Sharsmith 20850  
I 20850 U.S. - California 20850
- E *Hesperolinon drymarioides* (Curran) Small 20850  
E 20850 U.S. - California 20850
- R *Hesperolinon spergulinum* (Gray) Small 20850  
I 20850 U.S. - California 20850
- E *Hesperolinon tehamense* H.K. Sharsmith 20850  
E 20850 U.S. - California 20850
- R *Hugonia belli* Sedgwick 10505  
R 14782 India - Karnataka 10505  
R 14782 India - Kerala (Cannanore) 10505
- R *Hugonia elliptica* N. Robson 7749  
R Mozambique 7749
- I *Hugonia grandiflora* N. Robson 5926  
I 5926 Tanzania (Lindi) 5926
- R *Hugonia serrata* Lam. 10082  
V 14234 Réunion 10082  
R 20771 Mauritius (Maurice) 10082
- R *Hugonia tomentosa* Cav. 10082  
R 20771 Mauritius 10082
- R *Linum anisocalyx* Davis 12840  
R 12840 Turkey 12840
- E *Linum arenicola* (Small) Winkl. 20850  
E 20850 U.S. - Florida 20850
- R *Linum aretioides* Boiss 12840  
R 12840 Turkey 12840
- R *Linum boissieri* Asch. & Sint. ex Boiss. 12840, 20171  
R 12840 Turkey 12840
- R *Linum caespitosum* Sibth. & Sm. 20171  
R 20730 Greece - Crete 20730
- V *Linum carteri* Small 20850  
E 20850 U.S. - Florida 20850
- E *Linum carteri* Small var. *carteri* 20850  
E 20850 U.S. - Florida 20850
- V *Linum carteri* Small var. *smallii*  
Rogers 20850  
V 20850 U.S. - Florida 20850
- R *Linum ciliatum* Hayek 12840  
R 12840 Turkey 12840
- E *Linum cratericola* Eliasson 11117  
E Ecuador - Galapagos (NE of Floreana) 9389
- R *Linum doerfleri* Rech.f. 20171  
R 20730 Greece - Crete 20730
- E *Linum dolomiticum* Borbas 8000, 20171  
E 19576 Hungary (dolomite hills near Budapest) 8000
- R *Linum elegans* Spruner ex Boiss. 5204, 20171  
R 5204 Bulgaria (south-west three sites) 5204
- R *Linum empetrifolium* (Boiss.) Davis 12840  
R 12840 Turkey 12840
- R *Linum goulimyi* Rech.f. 20171  
R Greece
- R *Linum gyaricum* Vierh. 20171  
R 20731 Greece - East Aegean Is 20731
- E *Linum gypsogenium* Nesom 20883  
I 20883 Mexico 20883
- R *Linum harlingii* Eliasson 11117  
R Ecuador - Galapagos (V. Wolf & Darwin, Isabela) 11117
- R *Linum hirsutum* L. ssp. *oreocaricum*  
Davis 12840  
R 12840 Turkey 12840
- V *Linum hirsutum* L. var. *platyphyllum*  
Davis 12840  
V 12840 Turkey 12840
- V *Linum leonii* F.W. Schultz 20171  
V France  
V 20640 Germany 20644
- V *Linum lewisii* Pursh var. *lepagei* (Boivin) Rogers 20850  
I 20850 Canada - Manitoba 20850  
E 20850 Canada - Keewatin 20850  
V 20850 Canada - Ontario 20850
- V *Linum lundellii* Rogers 20850, 9812  
I 20850 U.S. - Texas 20850  
? Mexico 9812
- V *Linum macrocarpum* Rogers 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Mississippi 20850
- R *Linum monogynum* var. *chathamicum* 19305  
R 19305 New Zealand - Chatham Is. 19305
- R *Linum mucronatum* Bertol var. *gypsiocola* 12840  
R 12840 Turkey 12840
- R *Linum mucronatum* Bertol var. *papilliferum* (Huber-Mor. & Reese) Davis 12840  
R 12840 Turkey 12840
- R *Linum pamphylicum* (Boiss.) Podp. 12840  
R 12840 Turkey 12840
- E *Linum prostratum* Dombey ex Lam. var. *parvum* (I.M. Johnston) Mildner 18200  
E 9446 Peru 18200
- R *Linum pycnophullum* Boiss. & Heldr. ssp. *kurdicum*  
Davis 12840  
R 12840 Turkey 12840
- R *Linum subasperifolium* Humbert & Maire  
R Morocco
- E *Linum tauricum* Willd. ssp. *bosphori*  
Davis 12840  
E 12840 Turkey 12840
- R *Linum triflorum* Davis 12840  
R 12840 Turkey 12840
- R *Linum villarianum* Pau  
R Morocco
- V *Linum westii* Rogers 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Mississippi 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Linaceae: *Linum*

**I** *Philbornea palawanica* Hallier. F. 13833

**I** 13833 Philippines (Palawan) 13833

**Loasaceae**

Number of genera: 14  
 Number of species: 200  
 Recorded threatened species: 25 (12%)

American tropics and subtropics, Arabia and SW Africa.

- R** *Eucnide rupestris* (Baill.) H.J. Thompson & Ernst 20850  
**E** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - California 20850
- V** *Loasa fulva* Urb. & Gilg 18200  
**V** 9446 Peru 18200
- V** *Loasa nitida* Desr. 18200  
**V** 9446 Peru 18200
- V** *Mentzelia argillosa* J. Darl. 20850  
**V** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- V** *Mentzelia candelaria* H.J. Thompson & Prigge 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Mentzelia chrysantha* Engelm. ex Brandeg. 20850  
**E** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Nebraska 20850  
**I** 20850 U.S. - Wyoming 20850
- V** *Mentzelia densa* Greene 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Mentzelia desertorum* (A. Davids.) H.J. Thompson & Roberts 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850
- V** *Mentzelia eremophila* (Jepson) H.J. Thompson & Roberts 20850  
**I** 20850 U.S. - California 20850
- R** *Mentzelia gracilentia* (Nutt.) Torr. & Gray 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Mentzelia leucophylla* Brandeg. 20850  
**E** 20850 U.S. - Nevada (Ash Meadows, Nye Co.) 20850
- E** *Mentzelia marginata* (Osterhout) H.J. Thompson & Prigge 20850  
**I** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- V** *Mentzelia mollis* M.E. Peck 20850  
**V** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Oregon 20850
- V** *Mentzelia multicaulis* (Osterhout) A. Nels. ex J.Darl. 20850  
**I** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Utah 20850
- E** *Mentzelia multicaulis* (Osterhout) A. Nels. ex J.Darl. var. *librina* Thorne & F.G. Sm. 20850  
**E** 20850 U.S. - Utah 20850
- V** *Mentzelia multicaulis* (Osterhout) A. Nels. ex J.Darl. var. *multicaulis* 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Utah 20850
- Ex** *Mentzelia nitens* Greene var. *leptocaulis* J. Darl. 20850  
**Ex** 20850 U.S. - Arizona 20850

**R** *Mentzelia obscura* H.J. Thompson & Roberts 20850

**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850

**R** *Mentzelia oreophila* J. Darl. 20850

**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850

**E** *Mentzelia packardiae* Glad. 20850

**E** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Oregon 20850

**V** *Mentzelia polita* A. Nels. 20850

**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850

**V** *Mentzelia pumila* (Nutt.) Torr. & Gray var. *lagarosa*

Thorne 20850

**I** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850

**R** *Mentzelia reflexa* Coville 20850

**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850

**E** *Mentzelia shultziorum* Prigge 20850

**E** 20850 U.S. - Utah 20850

**R** *Mentzelia torreyi* Gray var. *acerosa* (M.E. Jones)

Barneby 20850

**R** 20850 U.S. - Idaho 20850

**V** *Mentzelia tridentata* (A. Davids.) H.J. Thompson &

Roberts 20850

**I** 20850 U.S. - California 20850

**V** *Petalonyx thurberi* A. Gray ssp. *gilmanii* (Munz) W.

Davis & H.J. Thompson 20850

**V** 20850 U.S. - California 20850

**I** 20850 U.S. - Nevada 20850

**R** *Plakothira frutescens* Florence 20845

**R** 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845

**Loganiaceae**

Number of genera: 20  
 Number of species: 500  
 Recorded threatened species: 37 (7%)

Tropical and subtropical; relatively few species in temperate regions.

- I** *Fagraea calcarea* M.R. Henderson  
**I** Malaysia - Peninsular Malaysia (Pahang)
- R** *Geniostoma astylum* A.Gray 20845  
**R** 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- E** *Geniostoma calcicola* A.C. Smith 19630  
**E** 19630 Fiji (Fulanga) 19630
- R** *Geniostoma clavatum* J.Moore 20845  
**R** 20845 French Polynesia - Society Is. (Raiatea) 20845
- V** *Geniostoma clavigerum* A.C. Smith & Stone 19630  
**V** 19630 Fiji (north western Viti Levu) 19630
- I** *Geniostoma gagneae* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Faut Hiva) 20845
- I** *Geniostoma hallei* Sachet & Fosb.  
**I** French Polynesia - Marquesas Is

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Loganiaceae: *Geniostoma*

- I** *Geniostoma hallei* Fosberg & Sachet var. *fatuivense*  
Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Faut Hiva)  
20845
- I** *Geniostoma hallei* Fosberg & Sachet var.  
*hallei* 20845, 20845  
**I** 20845 French Polynesia - Marquesas Is (Tahuata)  
20845
- I** *Geniostoma hallei* Fosberg & Sachet var. *hivaense*  
Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Hiva Oa)  
20845
- V** *Geniostoma hendersonense* H. St. John 8050  
**V** 19185 Pitcairn (Henderson Is.) 8050
- R** *Geniostoma pedunculatum* Bojer ex DC. 10082  
**R** 14220 Réunion 14220  
**R** 20771 Mauritius 10936
- R** *Geniostoma petiolosum* C. Moore & F. Muell.  
**R** 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Geniostoma stipulare* A.C. Smith & Stone 19630  
**R** 19630 Fiji (Viti Levu, Vanua Levu) 19630
- E** *Labordia cyrtandrae* (Baill.) St. John 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Labordia fagraeoides* Gaud. 20850  
**R** 20850 U.S. - Hawaii 20850
- E** *Labordia helleri* Sherff 20850  
**E** 20850 U.S. - Hawaii 20850
- R** *Labordia helleri* Sherff var. *helleri* 14209  
**R** 14209 U.S. - Hawaii (Kaua`i) 14209
- R** *Labordia hirtella* Mann 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- V** *Labordia hosakana* (Sherff) W.L. Wagner, Herbst &  
Sohmer 20850, 14209  
**I** 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.)  
20850
- E** *Labordia kaalae* Forbes 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Labordia lydgatei* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Labordia pumila* (Hbd.) Skottsberg 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- V** *Labordia sessilis* Gray 20850, 14209  
**I** 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts.)  
20850
- E** *Labordia tinifolia* A.Gray var. *lanaiensis*  
Sherff 20850, 14209  
**E** 20850 U.S. - Hawaii (Lana`i, Moloka`i) 20850
- E** *Labordia tinifolia* A. Gray var. *wahiawaensis* St.  
John 20850, 21352  
**E** 20850 U.S. - Hawaii 20850
- R** *Logania cordifolia* Hook. 20681  
**R** 20681 Australia - Queensland 20681
- Ex** *Logania depressa* 19305  
**Ex** 19305 New Zealand - North Is. 19305
- V** *Logania diffusa* R.Henderson 20681  
**V** 20681 Australia - Queensland 20681
- E** *Logania imbricata* (Guillaumin) Steenis &  
Leenh. 20893  
**E** 20893 New Caledonia 20893
- V** *Logania insularis* J.Black 20681

- V** 20681 Australia - South Australia 20681
- V** *Neuburgia macroloba* (A.C.Sm.) A.C.Smith 19630  
**V** 19630 Fiji (Taveuni) 19630
- E** *Spigelia ambigua* C. Wright 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- V** *Spigelia gentianoides* Chapman ex A. DC. 20850, 17890  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850
- E** *Spigelia loganioides* (Torr. & Gray ex Endl. & Fenzl) A.  
DC. 20850, 17890  
**E** 20850 U.S. - Florida 20850
- R** *Spigelia texana* (Torr. & Gray) A. DC. 20850  
**R** 20850 U.S. - Texas 20850
- I** *Strychnos colubrina* L.  
**I** India - Andhra Pradesh (Veligonda hills)  
**I** India - Karnataka (South Canara)  
**I** India - Kerala (Travancore)
- V** *Strychnos henryii* Merr. & Yamamoto ex Yamamoto 20854  
**V** 20854 Taiwan 20854
- V** *Strychnos millepunctata* Leeuwenb. 20887  
**V** 20887 Côte d'Ivoire 20887
- I** *Strychnos narcondamensis* A.W. Hill 7771  
**I** India - Nicobar Is. (Narcondam) 7771
- I** *Strychnos odorata* A. Chev. 7926  
**I** Côte d'Ivoire
- I** *Strychnos oleifolia* Hill 13833  
**I** 13833 Philippines (low altitude) 13833
- V** *Strychnos tetragona* A.W. Hill 10276  
**V** 12838 Sri Lanka 10276

**Loranthaceae**

Number of genera: 60-70  
Number of species: 700  
Recorded threatened species: 40 (5%)

Mainly tropical, extending into temperate areas.

- V** *Alepis flavida* Teigh. 19305  
**V** 19305 New Zealand - North Is. 19305  
**V** 19305 New Zealand - South Is. 19305
- R** *Amyema tridactylum* Barlow 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Atkinsonia ligustrina* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- Ex/E** *Bakerella clavata* (Desr.) Balle var. *aldabrensis*  
(Turrill) S. Balle 14981  
**Ex/E** 14981 Seychelles 14981
- Ex/E** *Bakerella clavata* (Desr.) S. Balle ssp. *sechellensis*  
(Baker) S. Balle 14296  
**Ex/E** 14981 Seychelles (granitic) 14296
- V** *Bakerella hoyifolia* (Baker) S. Balle 10082  
**Ex** 14220 Réunion 14220  
**V** 20771 Mauritius 10936
- R** *Berhautia senegalensis* Balle 7926  
**R** 19919 Gambia 19919  
**R** Senegal 7926
- E** *Cladocolea dimorpha* Kuijt 9815  
**E** 9815 Mexico - Puebla 9815
- E** *Cladocolea hintonii* Kuijt 9815  
**E** 9815 Mexico - Guerrero 9815
- E** *Cladocolea hondurensis* Kuijt 9815

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Loranthaceae: *Cladocolea*

- E 9815 Honduras 9815
- E *Cladocolea pedicellata* Kuijt 9815  
E 9815 Mexico 9815
- E *Cladocolea tehuacanensis* (Oliver) Tieghem 9815  
E 9815 Mexico 9815
- R *Dendropemon acutifolius* Urban 5607  
R 19105 Cuba (Santiago de Cuba) 5607
- Ex/E *Dendropemon brevipes* Britton 4650  
Ex/E 4650 Bahamas 4650
- E *Dendropemon caymanensis* Proctor 19712  
E 19434 Cayman Is. (little Cayman) 19712
- R *Dendropemon pauciflorus* (Sw.) van Teigh. 20883  
R 20883 Jamaica 20883
- V *Dendropemon sintenisii* Krug & Urban 20883  
I 20883 Puerto Rico 20883
- I *Elytranthe elmeri* (Merr.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I *Helixanthera pulchra* (DC.) Danser 19120  
I 19120 Thailand 19120
- I *Loranthus palawanensis* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- R *Lysiana filifolia* Barlow 20681  
R 20681 Australia - Queensland 20681
- R *Muellerina myrtifolia* (Cunn. ex Benth.) Barlow 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E *Notanthera berteroi* 19125  
E 19125 Chile - Juan Fernandez Is. 19116
- V *Panamanthus panamensis* (Rizz.) Kuijt 16389  
V 16317 Panama 16389
- V *Peraxilla colensoi* 19305  
V 19305 New Zealand - North Is. 19305  
V 19305 New Zealand - South Is. 19305
- V *Peraxilla tetrapetala* 19305  
V 19305 New Zealand - North Is. 19305  
V 19305 New Zealand - South Is. 19305
- R *Phragmanthera erythraea* (Sprague) M.Gilbert 19704  
R 19704 Ethiopia (West Eritrea; Tigray Upland; Shewa Upland) 19704
- R *Phragmanthera nigriflora* (Benth.) Balle var. *obovata* Balle  
R Côte d'Ivoire
- R *Phragmanthera sarertaensis* (Hutch. & E.A.Bruce) M. Gilbert 19704  
R 19704 Ethiopia (Harerge, Arsi, Sidamo.) 19704
- I *Phthirusa jamaicensis* Krug & Urb. 20883, 13336  
I 13336 Jamaica 20883
- R *Phthirusa lepidobotrys* (Griseb.) Eichl. 20883  
R 20883 Jamaica 20883
- E *Phthirusa pittieri* Krause 20883, 10747  
I 20883 Panama 20883
- E *Plicosepalus ogadenensis* M. Gilbert 19704  
E 19704 Ethiopia (Harerge) 19704
- E *Plicosepalus robustus* Wiens & Polhill 19704  
E 19704 Ethiopia (Sidamo) 19704
- I *Psittacanthus americanus* (L.) Mart. 10199  
I Dominica 10199
- V *Psittacanthus hamulifer* Kuijt 9816  
V 16317 Panama 9816

- Ex *Psittacanthus nudus* (A. Molina) Kuijt & Feuer 9815  
Ex 9815 Honduras 9815
- E *Psittacanthus pusillus* Kuijt 20883, 9816  
E 9815 Panama 20883
- R *Scurrula pseudochinensis* (Yam.) Liu & Chen 20511  
R 20511 Taiwan 20511
- R *Scurrula ritozanensis* (Hayata) Danser 20511  
R 20511 Taiwan 20511
- E *Struthanthus johnstonii* Standley & Steyererm. 9004  
E 9815 Guatemala 9004
- Ex *Trilepidea adamsii* (Cheeseman) Tieghem 86  
Ex 15135 New Zealand - North Is. 15135
- R *Tupeia antarctica* 19305  
R 19305 New Zealand - North Is. 19305  
R 19305 New Zealand - South Is. 19305

**Lythraceae**

Number of genera: 24  
Number of species: 500  
Recorded threatened species: 57 (11%)

Mainly tropical; also temperate.

- V *Cuphea aspera* Chapman 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R *Cuphea baillonis* Koehne 11373  
? Mexico - Jalisco 21240
- R *Cuphea caeciliae* Koehne 11373  
? Mexico - Chiapas 21240
- R *Cuphea caesariata* S.A. Graham 11373  
R 11373 Mexico 11373
- R *Cuphea crassiflora* S.A. Graham 9817  
R 11373 Mexico 9817
- R *Cuphea delicatula* Brandegee 11373  
R 11373 Mexico 11373
- R *Cuphea dibrachiata* S.A. Graham 9818  
R 11373 Mexico 9818
- R *Cuphea flavovirens* S.A. Graham 9818  
? Mexico - Guerrero 21240
- R *Cuphea gaumeri* Koehne 11373  
R 11373 Mexico 11373
- R *Cuphea heteropetala* Koehne 11373  
? Mexico - Oaxaca 21240
- I *Cuphea heydei* Koehne ex J.D. Smith 9004  
I 11373 Guatemala 9004
- R *Cuphea inflata* S.A. Graham 11373  
R 11373 Mexico 11373
- R *Cuphea karwinskii* Koehne 11373  
R 11373 Mexico 11373
- R *Cuphea megalophylla* S.F. Blake 11373  
R 11373 Mexico 11373
- R *Cuphea mexiae* Bacigal. 11373  
? Mexico - Jalisco 21240
- R *Cuphea michoacana* R. Foster 11372  
R 11373 Mexico 11372
- R *Cuphea ornithoides* R. Foster 11372  
R 11373 Mexico 11372
- R *Cuphea ownbeyi* S.A. Graham 9818  
R 11373 Mexico 9818

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Lythraceae: *Cuphea*

- R** *Cuphea painteri* Rose 11373  
**R** 11373 Mexico 11373
- R** *Cuphea palustris* Koehne 11373  
**R** 11373 Mexico 11373
- R** *Cuphea pertenuis* R. Foster 11372  
**R** 11373 Mexico 11372
- R** *Cuphea purpurascens* Bacigal. 11373  
**R** 11373 Mexico 11373
- R** *Cuphea quaternata* Bacigal. 11373  
**R** 21240 Mexico - Durango 21240  
**R** 21240 Mexico - Nayarit 21240  
**R** 21240 Mexico - Zacatecas 21240
- R** *Cuphea rasilis* S.A. Graham 9817  
**?** Mexico - Nayarit 21240
- R** *Cuphea retroscabra* S.Watson 11373  
**R** 21240 Mexico - Jalisco 21240  
**R** 21240 Mexico - Nayarit 21240
- R** *Cuphea roseana* Koehne 11373  
**R** 11373 Mexico 11373
- R** *Cuphea salicifolia* Cham. & Schldl. 11373  
**R** 11373 Mexico 11373
- R** *Cuphea spectabilis* S.A. Graham 9817  
**R** 11373 Mexico 9817
- R** *Cuphea trichochila* R. Foster 11372  
**?** Mexico - Guerrero 21240
- R** *Cuphea viscosa* Rose 11373  
**R** 11373 Mexico 11373
- I** *Ginoria davisii* M. Johnston 11123  
**I** 11373 Mexico - Veracruz 11123
- V** *Ginoria koehneana* Urban 5607  
**V** 19105 Cuba (Las Tunas, Holguin) 5607
- I** *Ginoria nudiflora* (Hemsley) Koehne 11373  
**I** 11373 Mexico - Oaxaca 11373
- E** *Ginoria thomasiana* Alain 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- R** *Lafouensia pacari* St.-Hil. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- R** *Lagerstroemia fauriei* Koehne 10572  
**R** 10572 Japan 10572
- R** *Lagerstroemia minuticarpa* Debberm. ex P.C.  
 Kanjilal 14782  
**R** 14782 India - Assam 14782  
**R** 14782 India - Sikkim 14782
- I** *Lagerstroemia rotleri* C.B. Clarke  
**I** India
- I** *Lagerstroemia thomsonii* Koehne  
**I** India - Karnataka  
**I** India - Tamil Nadu
- E** *Lourtellia resinosa* S. A. Graham 20883  
**I** 20883 Peru 20883
- R** *Lythrum castellanum* Gonz.Albo ex Borja 20171  
**R** 20660 Spain (Cidad Real, Albacete) 11496
- E** *Lythrum curtissii* Fern. 20850  
**E** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850
- V** *Lythrum flagellare* Shuttlw. ex Chapman 20850  
**V** 20850 U.S. - Florida 20850
- V** *Lythrum flexuosum* auct., non Lag. 8000, 20171  
**V** 20874 Spain (centre & east) 20690

- R** *Nesaea longipes* Gray 20850  
**I** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Texas 20850
- R** *Nesaea pygmaea* Fernandes & A. Diniz 7749  
**R** Mozambique 7749
- R** *Nesaea wardii* Immelman 20604  
**R** 20604 South Africa - Natal 20604
- E** *Punica protopunica* Balf. f. 15534  
**E** 15534 Yemen - Socotra 15534
- I** *Rotala floribunda* (Wt.) Koehne  
**I** India - Maharashtra (Mahabaleshwar hills)
- R** *Rotala juniperina* Fernandes 7749  
**R** Malawi 7749
- I** *Rotala malampuzhensis* R.V. Nair  
**I** India - Kerala
- I** *Rotala occultiflora* Koehne 9228  
**I** India - Kerala (Malabar coast)  
**I** India - Madhaya Pradesh 9228
- V** *Rotala ritchei* (C.B. Clarke) Koehne 11494  
**Ex/E** 11494 India - Karnataka (Belgaum) 11494  
**V** 11494 India - Maharashtra (Pune District) 11494
- I** *Rotala rubra* (Buch.-Ham. ex D. Don) Hara  
**I** Nepal
- V** *Rotala simpliciuscula* (Kz.) Koehne 14872  
**V** 14872 Bangladesh (Chittagong) 14872
- E** *Sonneratia hainanensis* Ko, E.Y. Chen & S.Y.  
 Chen 17617  
**E** 18038 China - Hainan Is. 11139
- E** *Tetrataxis salicifolia* (Thouars ex Tul.) Baker 10082  
**E** 20771 Mauritius 10082

**Magnoliaceae**

Number of genera:	12
Number of species:	220
Recorded threatened species:	43 (19%)

Widespread, especially Northern Hemisphere.

- R** *Liriodendron chinense* (Hemsley) Sarg. 20709, 17617  
**R** 17617 China - Anhui 11139  
**R** 17617 China - Fujian 11139  
**R** 17617 China - Guangxi 11139  
**R** 17617 China - Guizhou 11139  
**R** 17617 China - Hubei (Fang Xian, Badong Xian) 11139  
**R** 17617 China - Hunan 11139  
**R** 17617 China - Jiangxi (Kuling) 11139  
**R** 17617 China - Shaanxi 11139  
**R** 17617 China - Sichuan 11139  
**R** 17617 China - Yunnan 11139  
**R** 17617 China - Zhejiang 11139  
**I** 20985 Vietnam 6057
- V** *Magnolia amoena* Cheng 20709, 17617  
**V** 17617 China - Anhui 11139  
**V** 17617 China - Jiangsu (Yixing; Liyang) 11139  
**V** 17617 China - Jiangxi (Qianshan) 11139  
**V** 17617 China - Zhejiang 11139
- R** *Magnolia ashei* Weatherby 20850  
**R** 20850 U.S. - Florida 20850
- R** *Magnolia blaoensis* (Gagnepain) Dandy 6057  
**R** Vietnam 6057
- R** *Magnolia cacuminicola* Bisse 11840  
**R** 19105 Cuba (Guantanamo) 11840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Magnoliaceae: *Magnolia*

- R** *Magnolia champacifolia* Dandy 6057  
R Vietnam 6057
- R** *Magnolia clemensorum* Dandy 6057  
R Vietnam 6057
- I** *Magnolia cubensis* Urban ssp. *acunae*  
Imkhanitskaya 11840  
I 20990 Cuba (Las Villas) 11840
- V** *Magnolia cylindrica* Wilson 20709, 17617  
V 17617 China - Anhui 11139  
V 17617 China - Fujian 11139  
V 17617 China - Jiangxi 11139  
V 17617 China - Zhejiang 11139
- E** *Magnolia dealbata* Zucc. 9019  
E 9114 Mexico - Veracruz 9019
- I** *Magnolia griffithii* Hook.f. & Thomson  
I India - Assam
- I** *Magnolia gustavi* King  
I India - Assam
- V** *Magnolia iltisiana* Vázquez 21204  
E 21229 Mexico - Guerrero 21229  
E 21229 Mexico - Jalisco 21229  
E 21229 Mexico - Michoacan 21229
- E** *Magnolia kachirachirai* (Kaneh. & Yamamoto)  
Dandy 20689  
E 20854 Taiwan 20689
- R** *Magnolia nana* Dandy 6057  
R Vietnam 6057
- V** *Magnolia officinalis* Rehder & Wilson 20709  
V 11139 China - Anhui 11139  
V 11139 China - Fujian 11139  
V 17617 China - Gansu 11139  
V 11139 China - Guangdong 11139  
V 17617 China - Guangxi 11139  
V 17617 China - Guizhou 11139  
V 17617 China - Hubei 11139  
V 11139 China - Hunan 11139  
V 11139 China - Jiangxi 11139  
V 17617 China - Shaanxi 11139  
V 17617 China - Sichuan 11139  
V 11139 China - Zhejiang 11139
- R** *Magnolia pacifica* A. Vázquez ssp. *pacifica* 20883  
R 20883 Mexico 20883
- R** *Magnolia pacifica* ssp. *pugana* H.H. Iltis & A. Vázquez 20883  
R 20883 Mexico 20883
- R** *Magnolia pacifica* ssp. *tarahumara* A. Vázquez 20883  
R 20883 Mexico 20883
- E** *Magnolia palescens* Urban & Ekman 5642  
E 19547 Dominican Republic (Constanza region) 21008
- E** *Magnolia panamensis* A. Vázquez and H.H. Iltis 20883  
E 20883 Panama 20883
- E** *Magnolia portoricensis* Bello 20883  
I 20883 Puerto Rico 20883
- Ex** *Magnolia pseudokobus* Abe & Akasawa 10572  
Ex 20626 Japan (Aioi-machi) 20626
- V** *Magnolia sinensis* (Rehder & Wilson) Stapf 20709, 17617  
V 17617 China - Sichuan (Tianquan; Lushan; Wenchuan) 11139
- V** *Magnolia sororum* Sieb. ssp. *lutea* A. Vázquez 20883  
V 20883 Costa Rica 20883
- V** *Magnolia sororum* Sieb. ssp. *sorum*  
Siebert 20883  
V 20883 Panama 20883
- E** *Magnolia splendens* Urban 20883  
I 20883 Puerto Rico 20883
- V** *Magnolia tamaulipana* A. Vázquez 20883  
V 20883 Mexico 20883
- V** *Magnolia wilsonii* (Finet & Gagnepain) Rehder 20709, 17617  
V 17617 China - Guizhou (Panxian; Anshong) 11139  
V 17617 China - Sichuan 11139  
V China - Yunnan 11139
- E** *Magnolia zenii* Cheng 20709, 17617  
E 17617 China - Jiangsu (Jurong, Baohuashan) 11139
- E** *Manglietia aromatica* Dandy 20709, 17617  
E 17617 China - Guangxi (Longzhou, Nape) 11139  
E 17617 China - Yunnan (Xixi; Maguan; Guangnan) 11139
- E** *Manglietia grandis* Hu & Cheng 20709, 17617  
E 17617 China - Guangxi (Jingxi, Nape) 11139  
E 17617 China - Yunnan (Malipe, Jingping, Maguan) 11139
- E** *Manglietia megaphylla* Hu & Cheng 20709, 17617  
E 17617 China - Guangxi (Jingxi, Nape) 11139  
E 17617 China - Yunnan (Xixi; Malipe) 11139
- R** *Manglietia rufibarbata* Dandy 6057  
R Vietnam 6057
- R** *Michelia chapaensis* Dandy 20709, 6057  
R China 6057  
R Vietnam 6057
- R** *Michelia punduana* Hook.f. & Thomson 11494  
R 11494 India - Meghalaya (Khasi hills) 11494  
R 11494 India - Nagaland 11494
- R** *Michelia salicifolia* Agnostini 20689, 14182  
R 14182 Indonesia - Sumatra 14182
- R** *Michelia subulifera* Dandy 6057  
R Vietnam 6057
- E** *Michelia wilsonii* Finet & Gagnepain 20709, 17617  
E 17617 China - Sichuan 11139  
E 17617 China - Yunnan 8482
- I** *Pachylarnax pleiocarpa* Dandy 20689  
I India - Assam (Lakhimpur) 20689
- E** *Talauma caricifragrans* Loz.-Contr. 16890  
E 19352 Colombia 16890
- R** *Talauma dodocapetala* (Lam) Urb. 20883, 10199  
I 20883 Dominica 20883  
I 20883 Grenada 20883  
I 20883 Martinique 20883
- V** *Talauma gilbertoi* Loz.-Contr. 16890  
V 19352 Colombia 16890
- V** *Talauma hernaandezii* Loz.-Contr. 16890  
V 19352 Colombia 16890
- R** *Talauma orbiculata* Britton & P. Wilson 11840  
R 19105 Cuba (Oriente) 11840
- I** *Talauma pulgarensis* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Talauma sambuensis* Pitt. 20883, 9006  
I 20883 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Magnoliaceae: *Talauma*

**Malesherbiaceae**

Number of genera: 1-2  
 Number of species: 25  
 Recorded threatened species: 4 (1.6%)

Andes from Chile to Peru.

**R** *Malesherbia angustisecta* Harms. 13875  
 R 13875 Chile 13875

**R** *Malesherbia auristipulata* Ric. Sal. 13875  
 R 13875 Chile 13875

**R** *Malesherbia tocopillana* Ric. Sal. 13875  
 R 13875 Chile 13875

**E** *Malesherbia weberbaueri* Gilg 18200  
 E 19965 Peru 19965

**Malpighiaceae**

Number of genera: 60  
 Number of species: 1,200  
 Recorded threatened species: 1.09 (9%)

Tropical and subtropical, especially South America.

**V** *Acridocarpus alopecurus* Sprague var. *machaeropterus*  
 Niedenzu 7959

V 5926 Tanzania (Uzaramo Distr.) 7959

**R** *Acridocarpus congestus* Lannert 7959  
 R Tanzania (Morogoro Distr.) 7959

**R** *Acridocarpus monodii* Arenes & P. Jaeger 11751  
 R Mali 11751

**I** *Acridocarpus pauciglandulosus* Launert 5926  
 I 5926 Tanzania (Lindi & Newala) 5926

**V** *Acridocarpus scheffleri* Engl. 5926  
 V 5926 Tanzania 5926

**V** *Acridocarpus taxon a* 20057  
 V 20057 Kenya (Ngangao forest, Taita hills) 20057

**R** *Aspidopterys canarensis* Dalz. 11494  
 R 11494 India - Karnataka 11494

R 11494 India - Kerala 11494  
 R 11494 India - Maharashtra (Bombay) 11494

**I** *Aspidopterys hutchinsonii* Haines 7771  
 I 7771 India - Orissa (Mayurbhanj) 7771

**R** *Aspidopterys tomentosa* Haines var. *hutchinsonii*  
 (Haines) Srivastava 11494  
 R 11494 India - Orissa (Mayurbhanj Hills) 11494

**R** *Banisteriopsis acapulcensis* var. *llanensis* B.  
 Gates 20883  
 I 20883 Venezuela 20883

**V** *Banisteriopsis alternifolia* (Steyermark) B.  
 Gates 20883

I 20883 Trinidad & Tobago 20883  
 I 20883 Venezuela 20883

**V** *Banisteriopsis amplexans* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis andersonii* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis arborea* B. Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis basifixia* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis brevipedicellata* B. Gates 20883

I 20883 Brazil 20883

**V** *Banisteriopsis byssacea* B. Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis cachimbensis* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis caduciflora* (Niedenzu) B. Gates 20883  
 I 20883 Brazil 20883  
 I 20883 Peru 20883

**R** *Banisteriopsis calcicola* B. Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis cipoensis* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis cornifolia* var. *cornifolia* 20883  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883

**E** *Banisteriopsis cornifolia* var. *standleyi* B.  
 Gates 20883  
 I 20883 Guatemala 20883

**V** *Banisteriopsis goiana* B. Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis grandifolia* (Niedenzu) B. Gates 20883  
 I 20883 Venezuela 20883

**V** *Banisteriopsis harleyi* B. Gates 20883  
 I 20883 Brazil 20883

**E** *Banisteriopsis hatschbachii* B. Gates 20883  
 I 20883 Brazil 20883

**E** *Banisteriopsis hirsuta* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis hypericifolia* (Jussieu) Anderson &  
 Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis irwinii* B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis krukoffii* B. Gates 20883  
 I 20883 Brazil 20883  
 I 20883 Venezuela 20883

**R** *Banisteriopsis latifolia* (Adr. Jussieu) B.  
 Gates 20883  
 I 20883 Brazil 20883

**E** *Banisteriopsis leiocarpa* (Jussieu) B. Gates 20883  
 I 20883 Peru 20883

**E** *Banisteriopsis longipilifera* B. Gates 20883  
 I 20883 Brazil 20883

**E** *Banisteriopsis magdalenensis* B. Gates 20883  
 E 20883 Brazil 20883

**E** *Banisteriopsis multifoliolata* (Adr. Jussieu) B.  
 Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis nigrescens* (Jussieu) B. Gates 20883  
 I 20883 Brazil 20883

**R** *Banisteriopsis paraguariensis* B. Gates 20883  
 I 20883 Brazil 20883  
 I 20883 Paraguay 20883

**R** *Banisteriopsis parviflora* (Jussieu) B. Gates 20883  
 I 20883 Brazil 20883

**V** *Banisteriopsis parvifolia* (Niedenzu) B. Gates 20883  
 I 20883 Peru 20883

**V** *Banisteriopsis parviglandula* B. Gates 20883  
 I 20883 Brazil 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malpighiaceae: *Banisteriopsis*

- R** *Banisteriopsis patula* B. Gates 20883  
I 20883 Brazil 20883
- E** *Banisteriopsis peruviana* (Niedenzu) B. Gates 20883  
I 20883 Peru 20883
- R** *Banisteriopsis platyptera* (Griseb.) Cuatr. 20883  
I 20883 Panama 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- V** *Banisteriopsis populifolia* (Niedenzu) B. Gates 20883  
I 20883 Peru 20883
- V** *Banisteriopsis pseudojaunsia* (Niedenzu) B. Gates 20883  
I 20883 Brazil 20883
- V** *Banisteriopsis pubescens* (Niedenzu) Cuatrecasas 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- E** *Banisteriopsis pulchra* var. *glabrata* B. Gates 20883  
I 20883 Bolivia 20883
- V** *Banisteriopsis quadriglandula* B. Gates 20883  
I 20883 Brazil 20883
- V** *Banisteriopsis rondoniensis* B. Gates 20883  
I 20883 Brazil 20883
- E** *Banisteriopsis salicifolia* (de Candolle) B. Gates 20883  
E 20883 Brazil 20883
- E** *Banisteriopsis schunkei* B. Gates 20883  
I 20883 Peru 20883
- V** *Banisteriopsis scutellata* (Grisebach) B. Gates 20883  
I 20883 Brazil 20883
- E** *Banisteriopsis sellowiana* (Jussieu) B. Gates 20883  
E 20883 Brazil 20883
- R** *Banisteriopsis sepium* (Jussieu) B. Gates 20883  
I 20883 Brazil 20883
- R** *Banisteriopsis valvata* Anderson & Gates 20883  
I 20883 Brazil 20883
- V** *Banisteriopsis velutinissima* B. Gates 20883  
I 20883 Peru 20883
- R** *Banisteriopsis virgultosa* (Jussieu) Anderson & Gates 20883  
I 20883 Brazil 20883
- V** *Banisteriopsis woytkowskii* B. Gates 20883  
I 20883 Peru 20883
- I** *Brachylophon anastomosans* Craib 19120  
I 19120 Thailand 19120
- E** *Bunchosia acuminata* Dobson 20883  
I 20883 Brazil 20883
- E** *Bunchosia articulata* Dobson 20883  
I 20883 Cuba 20883
- V** *Bunchosia diphylla* (Dobson) Cuatr. & Croat ssp. *brevisurcularis* (Dobson) Cuatrec. & Croat 20883, 10747  
I 20883 Panama 20883
- V** *Bunchosia jamaicensis* Urb. & Ndz. 20883  
V 20883 Jamaica 20883
- R** *Bunchosia linearifolia* P. Wilson 5607  
R 19105 Cuba (Guantanamo) 5607
- E** *Bunchosia macilentata* Dobson 20883  
I 20883 Brazil 20883
- E** *Bunchosia pauciflora* Dobson 20883  
I 20883 Haiti 20883
- E** *Bunchosia quaesitor* Dobson 20883  
I 20883 Haiti 20883
- E** *Bunchosia systyla* (Niedenzu) Dobson 20883  
I 20883 Brazil 20883
- E** *Bunchosia tutensis* Dobson 20883, 10747  
I 20883 Panama 20883
- V** *Byrsonima horneana* Britton & Small 8058  
V 19002 Puerto Rico 8058
- R** *Byrsonima incarnata* Sandw. 8679  
R Guyana 8679
- R** *Byrsonima lucida* (P. Mill.) DC. 20883, 20850, 19002  
V 20850 U.S. - Florida 20850  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- V** *Byrsonima moensis* Acuna & Roig 5607  
V 19105 Cuba (Holguin) 5607
- E** *Byrsonima nemoralis* var. *dressleri* (Lewis) Cuatr. & Croat 20883  
I 20883 Panama 20883
- I** *Byrsonima ophiticola* Small ex Britton  
I 19002 Puerto Rico 8058
- E** *Callaeum chiapense* (Lundell) D. M. Johnson 20883  
I 20883 Mexico 20883
- R** *Callaeum macropterum* (DC.) D.M. Johnson 20883, 20850, 19002  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- E** *Callaeum reticulatum* D. M. Johnson 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- E** *Diplopterys cururuensis* B. Gates 20883  
I 20883 Brazil 20883
- E** *Diplopterys mexicana* B. Gates 20883  
E 20883 Mexico 20883
- E** *Heteropteris buricana* Cuatr. & Croat 20883  
I 20883 Panama 20883
- E** *Heteropteris laurifolia* (L.) A. Juss. var. *brevibracteolata* Cuatr. & Croat 20883  
I 20883 Panama 20883
- E** *Heteropteris panamensis* Cuatr. & Croat 20883  
I 20883 Panama 20883
- V** *Hiptage calcicola* Sirirugosa 19120  
V 19120 Thailand 19120
- I** *Hiptage condita* Craib 19120  
I 19120 Thailand 19120
- I** *Hiptage detergens* Craib 19120  
I 19120 Thailand 19120
- I** *Hiptage glabrifolia* Craib 19120  
I 19120 Thailand 19120
- E** *Hiraea grandifolia* Cuatr. & Croat var. *parvifructa* Cuatrec. & Croat 20883, 10747  
I 20883 Panama 20883
- V** *Malpighia acunana* Borh. & Muniz 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- E** *Malpighia cauliflora* Proctor & Vivaldi 20883, 13336  
E 20883 Jamaica 20883
- V** *Malpighia harrisii* Small 20883, 13336



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malpighiaceae: *Malpighia*

- V 13336 Jamaica 20883
- V *Malpighia infestissima* L.C. Rich. ex Niedenzu 20883, 8058
- I 20883 Puerto Rico (Maguey; Vieques; Culebra) 20883
- I 19826 British Virgin Is. (Virgin Gorda; Anegada; Norman Island) 19826
- I 20883 USA - Virgin Is. (St. Thomas; St. John) 20883
- E *Malpighia obtusifolia* Proctor 20883, 19890
- R 19890 Jamaica 20883
- E *Malpighia proctorii* Vivaldi 20883, 13336
- E 13336 Jamaica 20883
- V *Malpighia wrightiana* Acuna & Roig 5607
- V 19105 Cuba (Pinar del Rio) 5607
- R *Mascagnia hirea* (Gaertn.) F. & R. 20883
- R 20883 Jamaica 20883
- E *Pterandra isthmica* Cuatr. & Croat 20883, 10747
- I 20883 Panama 20883
- E *Spachea correae* Cuatr. & Croat 20883, 10747
- I 20883 Panama 20883
- V *Stigmaphyllon bahiense* C. Anderson 20883
- I 20883 Brazil 20883
- R *Stigmaphyllon blanchetii* C. Anderson 20883
- I 20883 Brazil 20883
- E *Stigmaphyllon cavernulosum* C. Anderson 20883
- I 20883 Brazil 20883
- E *Tetrapteris hirsutula* Cuatr. & Croat 20883, 10747
- I 20883 Panama 20883
- E *Tetrapteris tysonii* Cuatr. & Croat 20883, 10747
- I 20883 Panama 20883
- R *Triaspis dumeticula* Launert 7749
- R Zimbabwe 7749
- I *Triaspis letestuana* Launert
- I Gabon
- R *Triaspis nelsonii* Oliver ssp. *canescens* (Engl.) Launert 7749
- R Mozambique 7749
- I *Triaspis schliebenii* Ernst 7959
- I 5926 Tanzania (Lindi) 5926
- R *Triaspis suffulta* Launert 7749
- R Mozambique 7749
- E *Triopteris brittonii* Small 20883
- E 20883 Jamaica 20883
- I *Triopteris brittonii* Small 13336
- I 13336 Jamaica 13336

Malvaceae

Number of genera: 75  
 Number of species: 1,000-1,500  
 Recorded threatened species: 233 (18%)

Cosmopolitan, but centered in S America.

- I *Abutilon bidentatum* Hochst. var. *major* (Blatter & Hallberg) Bhandari 7771
- I India - Rajasthan (west) 7771
- E *Abutilon eremitopetalum* Caum 20850, 14209
- E 20850 U.S. - Hawaii (east Lanai) 20850
- V *Abutilon exstipulare* (Cav.) G. Don 10082
- V 14234 Réunion 10082

- I *Abutilon fruticosum* Guillemín & Perrottet var. *chrysocarpa* Blatter & Hallberg 7771
- I India - Rajasthan (Jaisalmer) 7771
- E *Abutilon julianae* Endl. 11649
- E 11649 Australia - Norfolk Is. 11649
- R *Abutilon listeri* Baker f. 881
- R 14224 Australia - Christmas Is. 881
- R *Abutilon macropodum* Guillemín & Perrottet 8003
- R Senegal 8003
- I *Abutilon mangarevicum* Fosberg 20845
- I 20845 French Polynesia - Tuamotu Is. 20845
- E *Abutilon menziesii* Seem. 20850, 14209
- E 20850 U.S. - Hawaii 20850
- V *Abutilon parishii* S.Watson 20883, 20850, 19002
- V 20850 U.S. - Arizona 20850
- 20883 Mexico 20883
- V *Abutilon pitcairnense* Fosb. 8615
- V 19185 Pitcairn (Pitcairn Is.) 8615
- E *Abutilon procerum* Fryx. 20883, 11577
- I 20883 Mexico 20883
- R 11598 Mexico - Tamaulipas 11577
- I *Abutilon ramosum* Guillemín & Perrottet
- I India - Karnataka
- I India - Kerala
- Ex/E *Abutilon ranadei* Woodrow 11494
- Ex/E 11494 India - Maharashtra 11494
- R *Abutilon sachetianum* Fosberg 20845
- R 20845 French Polynesia - Marquesas Is. 20845
- E *Abutilon sandwicense* (O. Deg.) Christoph. 20850, 14209
- E 20850 U.S. - Hawaii (Waianae Mts. Oahu) 20850
- R *Abutilon straminicarpum* Fryx. 9821
- R 9821 Mexico 9821
- R *Abutilon tehuantepecense* Fryx. 9822
- R 9821 Mexico 9822
- V *Abutilon thurberi* Gray 20883, 20850, 19002
- E 20850 U.S. - Arizona 20850
- I 20883 Mexico 20883
- E *Abutilothamnus yaracuyensis* Fryx. 20883
- I 20883 Venezuela 20883
- V *Acaulimalva alismatifolia* (Schum. & Hieron.) Krapov. 18200
- V 12468 Peru 18200
- R *Acaulimalva engleriana* (Ulbr.) Krapov. 18200
- R 12468 Peru 18200
- V *Acaulimalva sulphurea* Krapov. 18200
- V 12468 Peru 18200
- R *Alcea freyniana* Iljin
- R former USSR 6930
- R *Alcea galilaea* Zoh. 8895
- R Israel 8895
- R *Allowissadula chiangii* M. Johnston 9821
- R 9821 Mexico 9821
- R *Allowissadula glandulosa* (Rose) D. Bates 9821
- R 9821 Mexico 9821
- R *Althaea longiflora* Boiss. & Reut. 8000, 20171
- V 20076 Portugal 8000
- R Spain 8000
- V *Anisodonteia alexandri* (Baker f.) Bates 20604, 6180

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malvaceae: *Anisodonteae*

- V 20604 South Africa - Cape Province 20604
- V *Anisodonteae dissecta* (Harv.) Bates 20604  
V 20604 South Africa - Cape Province 20604
- R *Anisodonteae malvastroides* (Baker f.) Bates 20604  
R 20604 South Africa - Cape Province 20604
- I *Anisodonteae pseudocapensis* Bates 20604  
I 20604 South Africa - Cape Province 20604
- R *Anisodonteae racemosa* (Harv.) Bates 20604  
R 20604 South Africa - Cape Province 20604
- I *Anisodonteae theronii* Bates 20604  
I 20604 South Africa - Cape Province 20604
- R *Anoda henricksonii* M. Johnston 11581  
R 11598 Mexico 11581
- R *Anoda pristina* Fryx. 13865  
R 9821 Mexico 9821
- R *Bakeridesia nelsonii* (Rose) D. Bates 9821  
R 9821 Guatemala 9821  
R 9821 Mexico 9821
- R *Batesimalva killipii* Krapov. ex Fryx. 20883  
I 20883 Venezuela 20883
- R *Batesimalva pulchella* Fryx. 9822  
R 9821 Mexico 9822
- V *Batesimalva violacea* (Rose) Fryxell 20883, 20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- R *Briquetia inermis* Fryx. 9822  
R 9821 Mexico 9822
- R *Briquetia sonorae* Fryx. 9822  
R 9821 Mexico 9822
- R *Callirhoe bushii* Fern. 20850  
R 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Iowa 20850  
E 20850 U.S. - Kansas 20850  
V 20850 U.S. - Missouri 20850  
R 20850 U.S. - Oklahoma 20850
- V *Callirhoe scabriuscula* B.L. Robins. 20850  
V 20850 U.S. - Texas 20850
- R *Corynabutilon ochsenii* (Philippi) Kearney 13875  
R 13875 Chile 13875
- R *Cristaria multifida* Cav. 18200  
R 9446 Peru 18200
- R *Decaschistia byrnesii* Fryxell sp. *byrnesii* 20681  
R 20681 Australia - Northern Territory 20681
- E *Decaschistia rufa* Craib 11494  
E 11494 India - Tamil Nadu 11494
- I *Decaschistia triloba* Wight  
I India - Karnataka
- V *Dendrosida batesii* Fryx. 9821  
V 16360 Mexico 9821
- V *Dendrosida breedlovei* Fryx. 9826  
V 19850 Mexico 9826
- V *Dendrosida oxypetala* (Triana & Planchon) Fryx. 20883  
I 20883 Colombia 20883
- I *Dendrosida parviflora* Fryx. 9823  
I 11598 Mexico 9823
- V *Dendrosida wingfieldii* Fryx. 20883  
I 20883 Venezuela 20883
- E *Dicellostyles axillararis* (Thwaites) Thwaites 10252  
E 16162 Sri Lanka 10252
- E *Dirhamphis mexicana* Fryxell 20883, 11578  
I 20883 Mexico 20883  
? Mexico - Colima 11578  
? Mexico - Guerrero
- R *Eremalche parryi* (Greene) Greene 20850  
I 20850 U.S. - California 20850
- E *Eremalche parryi* (Greene) Greene ssp. *kernensis* (C.B. Wolf) Bates 20850  
E 20850 U.S. - California 20850
- R *Eremalche parryi* (Greene) Greene ssp. *parryi* 20850  
I 20850 U.S. - California 20850
- E *Fryxellia pygmaea* (Correll) Bates 20883, 20850, 11572  
E/E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E *Goethea alnifolia* Garke. 5532  
E 5532 Brazil - Rio de Janeiro 5532
- R *Gossypium cunninghamii* Todaro 20681  
R 20681 Australia - Northern Territory 20681
- R *Gossypium hirsutum* L. var. *taitense* (Parlatore) Roberty 20845  
I 20845 French Polynesia - Marquesas Is 20845  
R 20845 French Polynesia - Society Is. 20845
- R *Gossypium klotzschianum* Andersson 11117  
R Ecuador - Galapagos (Isabela, Marchena, south Cruz) 11117
- R *Gossypium nelsonii* Fryxell 20681  
R 20681 Australia - Northern Territory 20681
- V *Gossypium raimondii* Ulbr. 9821  
V 9446 Peru 9821
- R *Gossypium tomentosum* Nutt. ex Seem. 20850, 14209  
R 20850 U.S. - Hawaii 20850
- R *Gossypium trilobum* (DC.) Skovsted 9821  
R 9821 Mexico 9821
- V *Gossypium turneri* Fryx. 9825  
V 9821 Mexico - Sonora 9825
- V *Hampea appendiculata* Fryx. var. *longicalyx* Fryx. 20883, 9090  
I 20883 Panama 20883
- R *Hampea breedlovei* Fryx. 9063  
R 9821 Mexico 9063
- E *Hampea dukei* A. Robyns 20883, 10747  
I 20883 Panama 20883
- R *Hampea latifolia* Standley 9821  
R 9821 Guatemala 9821  
R 9821 Mexico 9821
- E *Hampea micrantha* A. Robyns 20883, 9090  
I 20883 Panama 20883
- V *Hampea montebellensis* Fryx. 9063  
V 19850 Mexico 19850
- V *Hampea reynae* Fryx. 9821  
V 11218 El Salvador 9821
- R *Herissantia dressleri* Fryx. 9821  
R 9821 Mexico 9821
- Ex/E *Hibiscadelphus bombycinus* Forbes 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kawaihae) 20850
- Ex/E *Hibiscadelphus crucibracteatus* Hobby 20850, 14209

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malvaceae: *Hibiscadelphus*

- Ex 20850 U.S. - Hawaii (Lana'i) 20850
- E** *Hibiscadelphus distans* Bishop & Herbst 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E** *Hibiscadelphus giffardianus* Rock 20850, 14209, 21355  
Ex/E 20850 U.S. - Hawaii (Mauna Loa) 20850
- Ex/E** *Hibiscadelphus hualalaiensis* Rock 20850, 14209, 21355  
Ex 20850 U.S. - Hawaii (north Kona) 20850
- Ex/E** *Hibiscadelphus wilderianus* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E** *Hibiscadelphus woodii* Lorence & W.L. Wagner 20850, 21352  
E 20850 U.S. - Hawaii 20850
- R** *Hibiscus acapulcensis* Fryx. 9821  
R 9821 Mexico 9821
- E** *Hibiscus arnottianus* Gray ssp. *immaculata* (Roe) D. Bates 20850  
E 20850 U.S. - Hawaii 20850
- E** *Hibiscus arnottianus* A.Gray ssp. *immaculatus* (M. Roe) D. Bates 14209, 21358  
E 14209 U.S. - Hawaii (Moloka'i) 14209
- R** *Hibiscus australensis* Fosberg 20845  
I 20845 French Polynesia - Tubuai Is. 20845
- R** *Hibiscus barnardii* Exell 20604  
R 20604 South Africa - Transvaal 20604
- V** *Hibiscus boryanus* DC. 10082  
V 14234 Réunion 14234  
E 20771 Mauritius 10082
- E** *Hibiscus brackenridgei* Gray 20850  
I 20850 U.S. - Hawaii 20850
- E** *Hibiscus brackenridgei* A.Gray ssp. *brackenridgei* 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Hibiscus brackenridgei* A.Gray ssp. *mokuleianus* (Roe) D. Bates 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i, O'ahu) 20850
- E** *Hibiscus clayi* O. & I. Deg. 20850, 14209, 21349  
E 20850 U.S. - Hawaii (Kauai) 20850
- V** *Hibiscus columnaris* Cav. 10082  
V 14234 Réunion 10082  
E 20771 Mauritius 10082
- E** *Hibiscus dasycalyx* Blake & Shiller 20850  
E 20850 U.S. - Texas 20850
- E** *Hibiscus eggertii* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Hibiscus fragilis* DC. 10082  
E 20771 Mauritius 10082
- E** *Hibiscus genevii* Bojer ex Hook. 10082  
E 20771 Mauritius 10082
- R** *Hibiscus gaudensis* Exell 7749  
R 7749 Zimbabwe 7749
- E** *Hibiscus insularis* Endl. 11649  
E 11649 Australia - Norfolk Is. 11649
- V** *Hibiscus kokio* Hbd. ex Wawra 20850  
I 20850 U.S. - Hawaii 20850
- V** *Hibiscus kokio* Hbd. ex Wawra ssp. *kokio* 20850  
V 20850 U.S. - Hawaii 20850
- E** *Hibiscus kokio* Hbd. ex Wawra ssp. *saintjohnianus* (Roe) D. Bates 20850, 14209
- E** 20850 U.S. - Hawaii (north-west Kaua'i) 20850
- E** *Hibiscus liliflorus* Cav. 10082  
Ex 10082 Réunion 10082  
E 5852 Mauritius - Rodrigues 5852
- R** *Hibiscus lobatus* (J.A.Murray) Kuntze 20681  
R 20681 Australia - Northern Territory 20681
- I** *Hibiscus lonchosepalus* Hochr. 7926  
I Bennis (Agouagou) 7926
- R** *Hibiscus longifilius* Fryx. 9821  
R 9821 Mexico 9821
- E** *Hibiscus malacophyllus* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- R** *Hibiscus menziesiae* Wilson & Byrnes 20681  
R 20681 Australia - Northern Territory 20681
- Ex** *Hibiscus nelsonii* Rose & Standley 9821  
Ex 9821 Mexico 9821
- R** *Hibiscus pseudohirtus* Hochr. 11751  
R Mali (Macina) 11751
- R** *Hibiscus rupicola* Exell 7749  
R Mozambique 7749
- E** *Hibiscus socotranus* Lucas 15534  
E 15534 Yemen - Socotra 15534
- V** *Hibiscus spiralis* Cav. 9821  
V 15360 Mexico 9821
- E** *Hibiscus stenanthus* Balf. f. 15534  
E 15534 Yemen - Socotra 15534
- Ex/E** *Hibiscus storckii* Seemann 19630  
Ex/E 19630 Fiji (Taveuni) 19630
- R** *Hibiscus torrei* Baker f. 7749  
R Mozambique 7749
- E** *Hibiscus urbanii* Helwig 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Hibiscus waimeae* A. Heller ssp. *hanneriae* (O. & I. Deg.) D. Bates 20850, 14209, 21352  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- R** *Hibiscus waimeae* A.A. Heller ssp. *waimeae* 14209  
R 14209 U.S. - Hawaii (Kaua'i) 14209
- R** *Iliamna bakeri* (Jepson) Wiggins 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- E** *Iliamna corei* Sherff 20850  
E 20850 U.S. - Virginia (Giles Co.) 20850
- V** *Iliamna longispala* (Torr.) Wiggins 20850  
I 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- E** *Julostylis angustifolia* (Arn.) Thwaites 10252  
E 16162 Sri Lanka 10252
- R** *Kitabelia balansae* Boiss. 12840  
R 12840 Turkey 12840
- Ex/E** *Kokia cookii* O. Deg. 20850, 14209  
Ex 20850 U.S. - Hawaii (Molokai) 20850
- I** *Kokia distans* 18799  
I 18799 U.S. - Hawaii 18799
- E** *Kokia drynarioides* (Seem.) Lewt. 20850, 14209  
E 20850 U.S. - Hawaii (north Kona) 20850
- E** *Kokia kauaiensis* (Rock) O. Deg. & Duvel 20850, 14209, 21352

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malvaceae: *Kokia*

- E 20850 U.S. - Hawaii (west Kaua'i) 20850
- Ex/E *Kokia lanceolata* Lewt. 20850, 14209  
Ex/E 20850 U.S. - Hawaii (O'ahu) 20850
- R *Kosteletzkya ramosa* Fryx. 9826  
R 9821 Mexico 9826
- I *Kosteletzkya reclinata* Fryx. 9826  
I 9821 Mexico 9826
- R *Kosteletzkya thurberi* A.Gray 9821  
R 9821 Mexico 9821
- R *Lavatera acerifolia* Cav.  
R 19174 Spain - Canary Is. 19174
- E *Lavatera assurgentiflora* Philbrick ssp. *assurgentiflora* 20850  
E 20850 U.S. - California 20850
- V *Lavatera assurgentiflora* R. Philbrick ssp. *glabra*  
R. Philbrick 20850  
V 20850 U.S. - California 20850
- R *Lavatera lindsayi* Moran 9821  
R 9821 Mexico 9821
- I *Lavatera maroccana* (Battand. & Trabut) Maire  
I Morocco
- R *Lavatera mauritanica* Durieu ssp. *davaei* (Cout.)  
Cout. 8000, 20171  
V 14155 Portugal 8322  
R 20692 Spain (Valencia, Murcia & Andalusia) 20692
- R *Lavatera microphylla* Baker f.  
R Morocco
- R *Lavatera occidentalis* Watson 9821  
R 9821 Mexico 9821
- E *Lavatera phoenicea* Vent. 20750  
E 19174 Spain - Canary Is. 19174
- R *Lavatera venosa* Watson 9821  
R 9821 Mexico 9821
- R *Lavatera vidali* Pau  
R Morocco
- V *Lawrenzia buchananensis* Lander 20681  
V 20681 Australia - Queensland 20681
- E *Lebronnecia kokioides* Fosb & Sachet. 10260  
E 20845 French Polynesia - Marquesas Is 20845
- R *Macrostelia grandifolia* Fryxell 20681  
R 20681 Australia - Queensland 20681
- E *Malacothamnus abbottii* (Eastw.) Kearney 20850, 14662  
E 20850 U.S. - California 20850
- V *Malacothamnus aboriginum* (B.L. Robins.) Greene 20850  
V 20850 U.S. - California 20850
- E *Malacothamnus clementinus* (Munz & Johnston)  
Kearney 20850  
E 20850 U.S. - California 20850
- Ex/E *Malacothamnus davidsonii* (B.L. Robins.) Greene 20850  
Ex/E 20850 U.S. - California 20850
- R *Malacothamnus densiflorus* (S.Watson) Greene 20850  
I 20850 U.S. - California 20850
- E *Malacothamnus fasciculatus* (Nutt.) E. Greene var. *nesioticus* (B.L. Robins.) Kearney 20850  
E 20850 U.S. - California 20850
- V *Malacothamnus jonesii* (Munz) Kearney 20850  
I 20850 U.S. - California 20850
- R *Malacothamnus marrubioides* (Dur. & Hilg.)  
Greene 20850  
I 20850 U.S. - California 20850
- R *Malope anatolica* Huber-Mor. 12840  
R 12840 Turkey 12840
- E *Malvaviscus arboreus* Cav. var. *lobatus* A.  
Robyns 20883  
I 20883 Panama 20883
- R *Meximalva venusta* (Schldl.) Fryx. 9822  
R 9821 Mexico 9822
- V *Modiolastrum sandemannii* (Sandw.) S.R. Hill &  
Fryxell 18200  
V 9446 Peru 18200
- R *Nototriche caesia* A.W. Hill 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Jujuy 20176  
R 20176 Argentina - La Rioja 20176  
R 20176 Argentina - Mendoza 20176  
R 20176 Argentina - Salta 20176  
R 20176 Argentina - San Juan 20176  
R 20176 Argentina - Tucuman 20176
- R *Nototriche calchaquensis* Krapov. 16336  
R 19558 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Tucuman 20176
- R *Nototriche cupuliforme* Krapov. 18200  
R 12468 Peru 18200
- R *Nototriche digitifolia* Hill 18200  
R 12468 Peru 18200
- R *Nototriche ellipticifolia* Hochr. 18200  
R 12468 Peru 18200
- R *Nototriche epileuca* Hill 18200  
R 12468 Peru 18200
- R *Nototriche foetida* Ulbr. 18200  
R 12468 Peru 18200
- R *Nototriche longituba* Burt & Hill 18200  
R 12468 Peru 18200
- R *Nototriche lopezii* Krapov. 18200  
R 12468 Peru 18200
- R *Nototriche nigrescens* Hill 18200  
R 12468 Peru 18200
- R *Nototriche pellicea* Hill 18200  
R 12468 Peru 18200
- R *Nototriche pseudopichinchensis* Hochr. 18200  
R 12468 Peru 18200
- R *Nototriche rohmederi* Krapov. 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Tucuman 20176
- R *Nototriche salina* Burt & Hill 18200  
R 12468 Peru 18200
- R *Nototriche tovari* Krapov. 18200  
R 12468 Peru 18200
- R *Nototriche tucumana* Krapov. 16336  
R 19448 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Tucuman 20176
- R *Nototriche turritella* Hill 18200  
R 12468 Peru 18200
- R *Nototriche Vargasii* Krapov. 18200  
R 12468 Peru 18200

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malvaceae: *Nototriche*

- V** *Palaua guentheri* Bruns 18200  
V 9446 Peru 18200
- V** *Palaua rhombifolia* Graham 18200  
V 9446 Peru 18200
- V** *Palaua tomentosa* Hochr. 18200  
V 9446 Peru 18200
- V** *Palaua trisejala* Hochr. 18200  
V 9446 Peru 18200
- V** *Palaua velutina* Ulbr. & Hill 18200  
V 9446 Peru 18200
- V** *Pavonia alnifolia* St. Hil. 17079  
V 17746 Brazil - Espirito Santo (Itapemirim) 17079  
V 17746 Brazil - Rio de Janeiro 17079
- I** *Pavonia arabica* Hochst. ex Steudel var. *glutinosa*  
Blatter & Hallberg 7771  
I India - Rajasthan (Jaisalmer, Barmer, Jodhpur) 7771
- V** *Pavonia calcicola* (Britton) Ekman 5607  
V 19105 Cuba 5607
- E** *Pavonia discolor* Fryxell 20883  
I 20883 Mexico 20883
- R** *Pavonia durangensis* Fryx. 14294  
R 14294 Mexico - Durango 14294
- I** *Pavonia elegans* Garcke 20604  
I 20604 South Africa - Transvaal 20604
- I** *Pavonia hirtiflora* Benth. 9827  
I 9821 Mexico 9827
- R** *Pavonia integrifolia* Schery 9827  
R 9821 Mexico 9827
- I** *Pavonia langlassei* Hochr. 9827  
I 9821 Mexico 9827
- Ex** *Pavonia lourteigae* Fosberg & Sachtel 20845  
Ex 20845 French Polynesia - Society Is. (Bora Bora) 20845
- R** *Pavonia macdougallii* Fryx. 9826  
R 9821 Mexico 9826
- Ex** *Pavonia papilionacea* Cavanilles 20845  
Ex 20845 French Polynesia - Society Is. (Tahiti) 20845
- V** *Pavonia pulidoae* Fryx. 9823  
V 9821 Mexico 9823
- R** *Pavonia rogersii* N.E. Br. 7749  
R Zimbabwe 7749
- R** *Pavonia spicata* Cav. var. *troyana* (Urb.) F. & R. 20883  
R 20883 Jamaica 20883
- V** *Peltaea krapovickasiorum* Fryx. 20883  
I 20883 Venezuela 20883
- E** *Periptera ctenotricha* Fryxell 20883, 11578  
I 20883 Mexico 20883  
R 11598 Mexico - Jalisco 11578
- R** *Periptera macrostelis* Rose 9828  
R 9821 Mexico 9828
- R** *Periptera trichostemon* Bullock 9828  
R 9821 Mexico - Sinaloa 9828
- I** *Phymosia anomala* Fryx. 9829  
I 9821 Mexico 9829
- I** *Phymosia crenulata* (Brandege) Fryx. 9829  
I 9821 Mexico 9829
- I** *Phymosia floribunda* (Schldl.) Fryx. 9829  
I 9821 Mexico 9829
- R** *Phymosia rzedowskii* Fryx. 9829  
R 16360 Mexico 9829
- R** *Plagianthus regius* var. *chathamicus* 19305  
R 19305 New Zealand - Chatham Is. 19305
- E** *Robinsonella erasmi-sosae* C. Nelson 11582  
E 11582 Honduras 11582
- R** *Robinsonella hintonii* Fryx. 9836  
R 9821 Mexico 9836
- R** *Robinsonella macvaughii* Fryx. 9836  
R 9821 Mexico 9836
- I** *Sida eggersii* E.G. Baker 15106  
E 15106 Puerto Rico (Culebra) 19934  
I 15106 British Virgin Is. 19934
- V** *Sida hermaphrodita* (L.) Rusby 20850  
I 20850 U.S. - District of Columbia 20850  
E 20850 U.S. - Indiana 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - Michigan 20850  
R 20850 U.S. - Ohio 20850  
E 20850 U.S. - Pennsylvania 20850  
Ex/E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850  
R 20850 U.S. - West Virginia 20850
- R** *Sida hyalina* Fryx. 9821  
R 9821 Mexico 9821
- Ex/E** *Sida inflexa* Fern. 20850, 14662  
I 20850 U.S. - North Carolina 20850  
Ex/E 20850 U.S. - Virginia 20850
- R** *Sida potosina* Brandege 9821  
R 9821 Mexico 9821
- E** *Sidalcea calycosa* M. E. Jones ssp. *rhizomata* (Jepson) Munz 20850  
E 20850 U.S. - California 20850
- V** *Sidalcea covillei* Greene 20850  
V 20850 U.S. - California 20850
- R** *Sidalcea hickmanii* Greene 20850  
I 20850 U.S. - California 20850
- E** *Sidalcea hickmanii* E. Greene ssp. *anomala* C.L. Hitchc. 20850  
E 20850 U.S. - California 20850
- V** *Sidalcea hickmanii* E. Greene ssp. *hickmanii* 20850  
I 20850 U.S. - California 20850
- V** *Sidalcea hickmanii* E. Greene ssp. *parishii* (B.L. Robins.) C.L. Hitchc. 20850  
V 20850 U.S. - California 20850
- V** *Sidalcea hickmanii* E. Greene ssp. *viridis* C.L. Hitchc. 20850  
I 20850 U.S. - California 20850
- V** *Sidalcea hirtipes* C.L. Hitchc. 20850  
V 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E** *Sidalcea keckii* Wiggins 20850, 14662  
E 20850 U.S. - California 20850
- E** *Sidalcea malviflora* C.L. Hitchc. ssp. *patula* C.L. Hitchc. 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- R** *Sidalcea multifida* Greene 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Malvaceae: *Sidalcea*

- I 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850
- V *Sidalcea nelsoniana* Piper 20850, 14774  
 V 20850 U.S. - Oregon (Willamette Valley & adjacent Coast Range) 20850  
 E 20850 U.S. - Washington 20850
- E *Sidalcea oregana* (Nutt. ex Torr. & Gray) Gray var. *calva* C.L. Hitchc. 20850  
 E 20850 U.S. - Washington 20850
- E *Sidalcea oregana* (Nutt. ex Torr. & Gray) Gray ssp. *eximia* (Greene) C.L. Hitchc. 20850  
 E 20850 U.S. - California 20850
- E *Sidalcea oregana* (Nutt. ex Torr. & Gray) Gray ssp. *hydrophila* (Heller) C.L. Hitchc. 20850  
 E 20850 U.S. - California 20850
- E *Sidalcea oregana* (Nutt. ex Torr. & Gray) Gray ssp. *valida* (Greene) C.L. Hitchc. 20850  
 E 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850
- E *Sidalcea pedata* Gray 20850  
 E 20850 U.S. - California (San Bernardino Co.) 20850
- R *Sidalcea ranunculacea* Greene 20850  
 I 20850 U.S. - California 20850
- V *Sidalcea robusta* Heller ex Roush 20850  
 V 20850 U.S. - California 20850
- Ex/E *Sidalcea setosa* C.L. Hitchc. ssp. *querceta* C.L. Hitchc. 20850  
 Ex/E 20850 U.S. - Oregon 20850
- E *Sidalcea stipularis* J.T. Howell & True 20850  
 E 20850 U.S. - California 20850
- R *Sidastrum tehucanum* (Brandege) Fryx. 9821  
 R 9821 Mexico 9821
- R *Sphaeralcea caespitosa* M.E. Jones 20850  
 V 20850 U.S. - Nevada 20850  
 V 20850 U.S. - Utah 20850
- E *Sphaeralcea janeae* (Welsh) Welsh 20850  
 E 20850 U.S. - Utah 20850
- R *Sphaeralcea palmeri* Rose 9821  
 R 9821 Mexico 9821
- Ex/E *Sphaeralcea procera* C.L. Porter 20850, 14662  
 Ex/E 20850 U.S. - New Mexico 20850
- V *Sphaeralcea psoraloides* Welsh 20850  
 V 20850 U.S. - Utah 20850
- E *Sphaeralcea rusbyi* A. Gray ssp. *eremicola* (Jepson) Kearney 20850  
 E 20850 U.S. - California 20850
- R *Sphaeralcea sulphurea* Watson 9821  
 R 9821 Mexico 9821
- R *Symphochlamys erlangeri* Guerke 20884  
 R 20884 Somalia (south) 20884
- R *Thespesia grandiflora* DC. 20883  
 I 20883 Puerto Rico 20883
- I *Ulbrichia beatensis* Urban 5642  
 I Dominican Republic (Isla Beata) 5642
- R *Urena lobata* L. var. *multifida* (Cav.) Hochr. 10082  
 Ex 10082 Réunion 10082  
 Ex 10082 Mauritius 10082  
 R 20771 Mauritius - Rodrigues 5852

- Ex *Urena lobata* L. var. *tricuspis* (Cav.) Guerke 10082  
 Ex 10082 Réunion 10082
- R *Urocardium insulare* (Kearney) Krapov. 11117  
 R Ecuador - Galapagos (Fernandina, Isabela, Wolf) 11117
- V *Wercklea cocleana* (A. Robyns) Fryx. 20883, 9821  
 R 9821 Panama 20883
- E *Wercklea flavovirens* Proctor 20883, 13336  
 E 20883 Jamaica 20883
- E *Wercklea grandiflora* Fryx. 20883, 9821  
 I 20883 Panama 20883

**Marcgraviaceae**

Number of genera: 5  
 Number of species: 100  
 Recorded threatened species: 5 (5%)

Tropical America.

- E *Marcgravia atropuncta* de Roon 20883  
 I 20883 Panama 20883
- R *Marcgravia brachysepala* Urb. 20883  
 R 20883 Jamaica 20883
- R *Ruyschia jimenezii* Standley 9037  
 R 9426 Costa Rica 9037
- R *Ruyschia valerii* Standley 9037  
 R 9426 Costa Rica 9037
- V *Souroubea venosa* Schery 20883, 9006  
 I 20883 Panama 20883

**Medusagynaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Seychelles.

- E *Medusagyne oppositifolia* Baker 14296  
 E 14981 Seychelles (Mahé) 14296

**Medusandraceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Rainforests of tropical western Africa.

- I *Medusandra richardsiana* Brenan  
 I Cameroon

**Melastomataceae**

Number of genera: 200  
 Number of species: 4,000  
 Recorded threatened species: 487 (12%)

Tropical and subtropical, especially South America.

- R *Aciotis aristellata* Markgraf 11351  
 R 19558 Ecuador 11351
- R *Aciotis asplundii* Wurdack 11351  
 R 19558 Ecuador 11351
- V *Adamea stenocarpa* (Jacq.-Fel.) Jacq.-Fel. 7926  
 V Guinea (Mt. Konosso) 7926
- E *Adelobotrys jefensis* Almeda 20883, 9835  
 E 9835 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Adelobotrys*

- E** *Adelobotrys panamensis* Almeda 20883, 10747  
I 20883 Panama 20883
- R** *Amphiblemma letouzeyi* Jacq.-Fel.  
R Cameroon
- R** *Astronidium degeneri* A.C. Smith 19630  
R 19630 Fiji (Viti Levu) 19630
- Ex/E** *Astronidium floribundum* (Gillespie) A.C. Smith 19630  
Ex/E 19630 Fiji (Mt. Korombamba) 19630
- E** *Astronidium inflatum* (A.C.Sm.) A.C. Smith 19630  
E 19630 Fiji (Vanua Levu) 19630
- Ex/E** *Astronidium kasiense* A.C. Smith 19630  
Ex/E 19630 Fiji (Mt. Kasi) 19630
- E** *Astronidium lepidotum* A.C. Smith 19453  
E 19630 Fiji (Viti Levu) 19453
- I** *Astronidium ovalifolium* (Decne. ex Triana)  
J.Maxwell 20845  
I 20845 French Polynesia - Society Is. (Raiatea)  
20845
- E** *Astronidium pallidiflorum* A.C. Smith 19630  
E 19630 Fiji (Viti Levu) 19630
- E** *Astronidium saulae* A.C. Smith 19452  
E 19630 Fiji (Viti Levu) 19452
- E** *Astronidium sessile* (A.C. Sm.) A.C. Smith 19630  
E 19630 Fiji (Vanua Levu) 19630
- R** *Axinaea pauciflora* Cogn. 11351  
R 19558 Ecuador 11351
- R** *Axinaea sclerophylla* Triana 11351  
R 19558 Ecuador 11351
- R** *Axinaea sessilifolia* Triana 11351  
R 19558 Ecuador 11351
- E** *Axinaea sodiroi* Wurdack 11351  
E 19558 Ecuador 11351
- E** *Blakea acostae* Wurdack 11351  
E 19558 Ecuador 11351
- V** *Blakea austin-smithii* Standley 9037  
V 9835 Costa Rica 9037
- E** *Blakea brunnea* Woods. & Schery 20883, 9006  
R 9835 Panama 20883
- R** *Blakea campii* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Blakea chlorantha* Almeda 9836  
R 9836 Costa Rica 9836
- E** *Blakea crinita* Gleason 20883, 9006  
R 9835 Panama 20883
- E** *Blakea elliptica* (Gleason) Almeda 20883, 10747  
E 9835 Panama 20883
- E** *Blakea eriocalyx* Wurdack 11351  
E 19558 Ecuador 11351
- R** *Blakea florida* L.O. Williams 9529  
R 9835 Costa Rica 9529
- R** *Blakea formicaria* Wurdack 11351  
R 19558 Ecuador 11351
- E** *Blakea fuchsoides* Almeda 20883  
I 20883 Panama 20883
- R** *Blakea glandulosa* Gleason 11351  
R 19558 Ecuador 11351
- R** *Blakea guatemalensis* J.D. Smith 9004  
R 9835 Guatemala 9004
- R** *Blakea hispida* Markgraf ssp. *hispida* 11351  
R 19558 Ecuador 11351
- R** *Blakea hispida* Markgraf ssp. *stenopetala*  
Wurdack 11351  
R 19558 Ecuador 11351
- V** *Blakea incompta* Markgraf 11351  
V 19558 Ecuador 11351
- R** *Blakea involvens* Markgraf 11351  
R 19558 Ecuador 11351
- R** *Blakea jativae* Wurdack 11351  
R 19558 Ecuador 11351
- V** *Blakea lanuginosa* Wurdack 11351  
V 19558 Ecuador 11351
- R** *Blakea littoralis* L.O. Williams 9529  
R 9836 Costa Rica 9529
- R** *Blakea madisonii* Wurdack 11351  
R 19558 Ecuador 11351
- E** *Blakea micrantha* Almeda 20883, 10747  
I 20883 Panama 20883
- R** *Blakea oldemanii* Wurdack 11351  
R 19558 Ecuador 11351
- E** *Blakea parvifolia* Gleason 20883  
I 20883 Panama 20883
- V** *Blakea penduliflora* Almeda 9835  
V 9835 Costa Rica 9835
- V** *Blakea pichinchensis* Wurdack 11351  
V 19558 Ecuador 11351
- R** *Blakea quadriflora* Gleason 11351  
R 19558 Ecuador 11351
- V** *Blakea rotundifolia* D.Don. 11351  
V 19558 Ecuador 11351
- R** *Blakea subpeltata* Cogn. 9037  
R 9835 Costa Rica 9037
- R** *Blakea subvaginata* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Blakea urbaniana* Cogn. 20883, 13336  
R 13336 Jamaica 20883
- E** *Blakea wilburiana* Almeda 20883, 9837  
V 9835 Panama 20883
- R** *Brachyotum andreanum* Cogn. 11351  
R 19558 Ecuador 11351
- R** *Brachyotum azuayense* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Brachyotum benthamianum* Triana 11351  
R 19558 Ecuador 11351
- R** *Brachyotum campanulare* (Bonpl.) Triana 11351  
R 19558 Ecuador 11351
- R** *Brachyotum campii* Wurdack 11351  
R 19558 Ecuador 11351
- V** *Brachyotum ecuadorensense* Wurdack 11351  
V 19558 Ecuador 11351
- R** *Brachyotum fictum* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Brachyotum fraternum* Wurdack 11351  
R 19558 Ecuador 11351
- V** *Brachyotum gleasonii* Wurdack 11351  
V 19558 Ecuador 11351
- R** *Brachyotum gracilescens* Triana 11351

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Brachyotum*

- R 19558 Ecuador 11351
- R *Brachyotum harlingii* Wurdack 11351  
R 19558 Ecuador 11351
- R *Brachyotum jamesonii* Triana 11351  
R 19558 Ecuador 11351
- R *Brachyotum rotundifolium* Cogn. 11351  
R 19558 Ecuador 11351
- R *Brachyotum rugosum* Wurdack 11351  
R 19558 Ecuador 11351
- I *Brachyotum trichocalyx* Triana 11351  
I 19558 Ecuador 11351
- R *Bredia rotundifolia* 20854  
R 20854 Taiwan 20854
- R *Cailliea praerupticola* Jacq.-Fel. 7926  
R Guinea (Benna massif) 7926
- R *Calvoa calliantha* Jacq.-Fel.  
R Cameroon
- I *Calvoa stenophylla* Jacq.-Fel.  
I 7927 Cameroon 7927
- E *Calycogonium acunanum* Borh. & Muniz 5607  
E 19105 Cuba (Holguin) 5607
- E *Calycogonium ellipticum* C. Wright  
E 19105 Cuba 19105
- R *Calycogonium glabratum* (Sw.) DC. 20883  
V 20883 Jamaica 20883
- V *Calycogonium microphyllum* C. Wright 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Calycogonium plicatum* Griseb. 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Calycogonium rubens* Borh. 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V *Calycogonium saxicola* Britton & P. Wilson 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Calycogonium susannae* Borh. 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- I *Calycogonium torbecianum* Urb. & Ekman 15229  
I 15229 Haiti (La Visite & Macaya National Parks) 15229
- E *Centronia grandiflora* Standl. 20883, 9006  
R 9835 Panama 20883
- R *Chaetolepis cufodontisii* Standley 9037  
R 9835 Costa Rica 9037
- V *Charianthus nodosus* (Desv.) Triana 5710  
V 19001 Martinique (Montagne Pelée; Pitons du Carbet; Morne Jacob) 5710
- R *Charianthus purpureus* D. Don. var. *rugosus*  
Hodge 10199  
R Dominica 10199
- R *Cinnobotrys letouzeyi* Jacq.-Fel.  
R Cameroon
- R *Clidemia acostae* Wurdack 11351  
R 19558 Ecuador 11351
- I *Clidemia asplundii* Wurdack 11351  
I 19558 Ecuador 11351
- R *Clidemia campii* Wurdack 11351  
R 19558 Ecuador 11351
- R *Clidemia caudata* Wurdack 11351  
R 19558 Ecuador 11351
- E *Clidemia collina* Gleason 20883, 9006  
V 9836 Panama 20883
- R *Clidemia crossosepala* Griseb. 20883  
I 20883 Jamaica 20883
- V *Clidemia crossosepala* Griseb. var. *adamsii*  
Proctor 20883, 13336  
V 13336 Jamaica 20883
- R *Clidemia crossosepala* Griseb. var. *crossosepala*  
Griseb. 20883  
R 20883 Jamaica 20883
- R *Clidemia cutucuensis* Wurdack 11351  
R 19558 Ecuador 11351
- R *Clidemia cymifera* J.D. Smith 9004  
R 9835 Guatemala 9004
- R *Clidemia diffusa* J.D. Smith 9004  
R 9836 Guatemala 9004
- R *Clidemia donnell-smithii* Cogn. 9004  
R 9836 Guatemala 9004
- R *Clidemia ecuadorensis* Gleason 11351  
R 19558 Ecuador 11351
- R *Clidemia fraterna* Gleason 9037  
R 9835 Costa Rica 9037  
R 9835 Panama 9006
- V *Clidemia fulva* Gleason 9004  
V 9836 Guatemala 9004  
V 9836 Honduras 9004
- R *Clidemia garciabarrigae* Wurdack 19558  
R 19558 Ecuador 19558
- R *Clidemia globuliflora* (Cogn.) L.O. Williams 9835  
R 9836 Costa Rica 9835
- V *Clidemia grisebachii* Cogn. 20883  
V 20883 Jamaica 20883
- I *Clidemia imparilis* Wurdack 11351  
I 19558 Ecuador 11351
- V *Clidemia lundellii* Wurdack 9838  
V 9836 Guatemala 9838
- E *Clidemia macrandra* (C. Wright) Cogn. 5607  
E 19105 Cuba (Juventud Is.) 5607
- R *Clidemia matudae* L.O. Williams 9004  
R 9835 Guatemala 9004  
V 9835 Mexico 9004
- V *Clidemia mortoniana* Standley 9037  
V 9836 Costa Rica 9037
- E *Clidemia oblonga* Gleason 20883, 9006  
R 9836 Panama 20883
- E *Clidemia pittieri* Gleason 20883, 9006  
V 9836 Panama 20883
- R *Clidemia pubescens* Gleason 9037  
R 9836 Costa Rica 9037
- R *Clidemia swartzii* Griseb. 20883, 13336  
R 13336 Jamaica 20883
- E *Clidemia taurina* Gleason 20883, 9006  
R 9836 Panama 20883
- E *Clidemia tetrapetala* Almeda 20883, 10747  
I 20883 Panama 20883
- V *Clidemia trichosantha* Almeda 20883, 10747  
V 9835 Panama 20883
- R *Clidemia tuerckheimii* (J.D. Smith) Gleason 9004  
R 9836 Guatemala 9004



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Clidemia*

- R** *Clidemia utleyana* Almeda 9839  
**R** 9835 Costa Rica 9839  
**V** 9835 Panama 10747
- R** *Conostegia brenesii* Standley 9037  
**R** 9835 Costa Rica 9037
- V** *Conostegia chiriquensis* Woods. & Schery 20883, 9006  
**V** 16317 Panama 20883
- V** *Conostegia grisebachii* Cogn. 20883, 13336  
**V** 13336 Jamaica 20883
- E** *Conostegia hirsuta* Gleason 20883, 9006  
**E** 20883 Panama 20883
- R** *Conostegia oerstediana* O. Berg ex Triana var. *bigibbosa* (Cogn.) Schnell 9836  
**R** 9836 Costa Rica 9836
- R** *Conostegia pyxidata* Proctor 20883, 13336  
**R** 13336 Jamaica 20883
- R** *Conostegia setifera* Standley 9037  
**R** 9835 Costa Rica 9037  
**R** 11967 Nicaragua 9426
- V** *Conostegia subprocera* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Conostegia superba* Naud. 20883  
**V** 20883 Jamaica 20883
- R** *Conostegia vulcanicola* J.D. Smith 9037  
**R** 9836 Costa Rica 9037
- R** *Dionysastrum schliebenii* A. & R. Fernandes 7959  
**R** 5926 Tanzania (Morogoro Distr.) 7959
- I** *Dissotis alata* A. & R. Fernandes 7959  
**I** 5926 Tanzania (Buha) 5926
- R** *Dissotis angustifolia* A. & R. Fernandes 7749  
**R** Mozambique 7749
- I** *Dissotis aprica* Engl. 20556  
**I** 5926 Tanzania 7959
- I** *Dissotis arborescens* A. & R. Fernandes 20556, 7959  
**I** 5926 Tanzania (Iringa) 5926
- I** *Dissotis bussei* Engl. 20556, 7959  
**I** 5926 Tanzania (Iringa & Kondo) 5926
- R** *Dissotis dictyotanthoides* Wick. 7959  
**R** 5926 Tanzania (Morogoro Distr.) 7959
- I** *Dissotis formosa* A. & R. Fernandes 7959  
**I** 5926 Tanzania (Songea District) 5926
- I** *Dissotis glandulicalyx* Wickens 20556, 7959  
**I** 5926 Tanzania (Mpanda District) 5926
- R** *Dissotis humilis* A. Chev. & Jacq.-Fel. 7926  
**R** Guinea 7926
- R** *Dissotis johnstoniana* Baker. f. var. *strigosa* Brenan 7749  
**R** Malawi 7749
- R** *Dissotis lanata* A. & R. Fernandes 7749  
**R** Malawi 7749
- R** *Dissotis linearis* Jacq.-Fel. 7926  
**R** Guinea 7926
- I** *Dissotis pachytricha* R.E. Fries var. *grandisquamulosa* Wickens 7959  
**I** 5926 Tanzania (Buha & Kigoma) 5926
- R** *Dissotis polyantha* Gülg 7959  
**R** Tanzania 7959
- I** *Dissotis pterocaulos* Wickens 5926  
**I** 5926 Tanzania 5926
- R** *Dissotis pygmaea* A. Chev. & Jacq.-Fel. 7926  
**R** Guinea 7926
- I** *Dissotis sessili-cordata* Wickens 7959  
**I** 5926 Tanzania (Mpanda District) 5926
- R** *Dissotis sessilis* Hutch. ex Brenan 7926  
**R** Sierra Leone (Loma Mts.) 7926
- R** *Dissotis splendens* A. Chev. & Jacq.-Fel. 7926  
**R** Guinea 7926
- R** *Dissotis sylvestris* Jacq.-Fel. 7926  
**R** Guinea 7926
- E** *Graffenrieda bella* Almeda 20883, 10747  
**R** 9835 Panama 20883
- R** *Graffenrieda harlingii* Wurdack 11351  
**R** 19558 Ecuador 11351
- I** *Gravesia gabonensis* Jacq.-Fel.  
**I** 7927 Gabon 7927
- I** *Gravesia hylophila* (Gülg) A. & R. Fernandes 7959  
**I** 5926 Tanzania (Uluguru mts) 5926
- R** *Gravesia pulchra* (Gülg) Wick. var. *glandulosa* (A. & R. Fernandes) Wick. 7959  
**R** 5926 Tanzania (Morogoro Distr.) 7959
- R** *Gravesia pulchra* (Gülg) Wick. var. *pulchra* 7959  
**R** 5926 Tanzania (Morogoro Distr.) 7959
- R** *Gravesia riparia* A. & R. Fernandes 7959  
**R** 5926 Tanzania (Uluguru Mts.) 7959
- R** *Guyonia tenella* Naudin 7926  
**R** Guinea (Fouta Djallon) 7926
- R** *Henriettea granularis* (Urban) Alain 11840  
**R** 19105 Cuba (Pinar del Rio) 11840
- E** *Henriettea membranifolia* (Cogn.) Alain 20883  
**V** 19002 Puerto Rico 20883
- V** *Henriettea punctata* (Griseb.) M. Gomez 5607  
**V** 19105 Cuba (Guantanamo) 5607
- V** *Henriettea squamata* (Alain) Alain 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Henriettea squamulosum* (Cogn.) Judd 20883  
**I** 20883 Puerto Rico 20883
- V** *Henriettea hondurensis* Wurdack 9840  
**V** 9836 Honduras 9840
- E** *Henriettea lateriflora* (Vahl) Triana 10199  
**E** Dominica 10199
- V** *Henriettea lundellii* Wurdack 9840  
**V** 9836 Guatemala 9840
- R** *Henriettea odorata* Markgraf 11351  
**R** 19558 Ecuador 11351
- R** *Heterocentron elegans* (Schltr.) Kuntze 9004  
**R** 9835 Guatemala 9004  
**R** 9835 Mexico 9004
- R** *Heterocentron hirtellum* (Cogn.) L.O. Williams 9004  
**R** 9835 Guatemala 9004
- V** *Heterocentron suffruticosum* Brandegee 9004  
**V** 9836 Guatemala 9004  
**V** 9836 Mexico 9004
- V** *Heterotrichum cymosum* (Wendl. ex Spreng.) Urban 20883, 20513  
**I** 20883 Puerto Rico 20883
- E** *Kendrickia walkeri* Hook. f. 14782  
**E** 14782 India - Tamil Nadu 14782

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Kendrickia*

- E 14782 Sri Lanka (doubtful occurrence) 14782
- R *Lavoisiera itambana* DC. 17079  
R 17079 Brazil - Minas Gerais (Pico de Itambé, município de Diamantina) 17079
- R *Leandra pastazana* Wurdack 11351  
R 19558 Ecuador 11351
- R *Leandra subulata* Gleason 9006  
R 9835 Costa Rica 10747  
R 9836 Panama 9006
- I *Mecranium ovatum* Cogn. 19408  
I 19408 Dominican Republic 19408
- R *Medinilla balls-headleyi* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- E *Medinilla decora* A.C. Smith 19630  
E 19630 Fiji (Viti Levu) 19630
- R *Medinilla hayataiana* H. Keng 14961  
R 20854 Taiwan (Lan Yu) 20854
- R *Medinilla kambikambi* A.C. Smith 19630  
R 19630 Fiji (Vanua Levu) 19630
- Ex/E *Medinilla kandavuensis* A.C. Smith 19630  
Ex/E 19630 Fiji (Kanavu) 19630
- V *Medinilla loranthoides* Naudin 10082  
V 14234 Réunion 10082
- I *Medinilla maculata* Gardner 10252  
I 16162 Sri Lanka 10252
- V *Medinilla magnifica* Lindley 10278  
V Philippines 10278
- E *Medinilla spectabilis* A.C. Smith 19630  
E 19630 Fiji (Taveuni) 19630
- V *Medinilla waterhousei* Seem. 19454  
V 19630 Fiji (Taveuni, Vanua Levu) 19454
- R *Melastoma pentapetarum* (Toyota) Toyota 8037  
R 19134 Japan - Ogasawara-shoto 8037
- E *Melastoma tetramerum* Hayata 8038  
E 19134 Japan - Ogasawara-shoto (Chichijima; Hahajima) 8038
- R *Melastomastrum theifolium* (G. Don) A. & R. Fernandes var. *controversum* (A. Chev. & Jacq.-Fel.) Jacq.-F  
R Guinea
- R *Memecylon arnotianum* Wight ex Thwaites 10276  
R 12838 Sri Lanka 10276
- R *Memecylon brenanii* A. & R. Fernandes 20556  
R 5926 Tanzania (Usambara mountains) 5926
- Ex/E *Memecylon buxoides* Wick. 7959  
Ex/E 19109 Kenya (Kitni) 7959
- V *Memecylon clarkeanum* Cogn. 12838  
V 12838 Sri Lanka 12838
- E *Memecylon cordatum* Lam. 10082  
E 20771 Réunion 10082  
E 20771 Mauritius 10082
- I *Memecylon deccanense* C.B. Clarke 9315  
I India - Kerala 9315
- I *Memecylon deminutum* Brenan 7959  
I 5926 Tanzania (Usambara and Pare mountains) 5926
- R *Memecylon eleagni* Blume 14296  
R 19182 Seychelles (granitic) 14296
- E *Memecylon elegantulum* Thwaites 10276  
E 12838 Sri Lanka 10276
- E *Memecylon ellipticum* Thwaites 10252  
E 12838 Sri Lanka 10252
- R *Memecylon erubescens* Gilg 7959  
R 5926 Tanzania (east Usambara Mts.) 5926
- E *Memecylon flavescens* Gamble 4988  
E 14782 India - Tamil Nadu (Nilgiri Hills) 4988
- V *Memecylon fragrans* A. & R. Fernandes 7959  
V 19109 Kenya 7959
- R *Memecylon gardneri* Thwaites 10276  
R 12838 Sri Lanka 10276
- I *Memecylon gracillimum* Alston 10252  
I 16162 Sri Lanka 10252
- E *Memecylon grande* Retz. 12838  
E 12838 Sri Lanka 12838
- V *Memecylon greenwayii* Brenan 7959  
V 5926 Tanzania (Usambara Mts.) 5926
- I *Memecylon lawsonii* Gamble 6295  
I India - Tamil Nadu 6295
- I *Memecylon leucanthum* Thwaites 10252  
I 16162 Sri Lanka 10252
- I *Memecylon macrocarpum* Thwaites 10252  
I 16162 Sri Lanka 10252
- I *Memecylon madgolense* Gamble  
I India - Andhra Pradesh
- R *Memecylon microphyllum* Gilg 7959  
R 5926 Tanzania (east Usambara Mts.) 5926
- I *Memecylon mouririifolium* Brenan 5926  
I 5926 Tanzania 5926
- V *Memecylon myrtiforme* Naudin 10082  
V 20771 Mauritius 10082
- I *Memecylon odoratum* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- I *Memecylon orbiculare* Thwaites 10252  
I 16162 Sri Lanka 10252
- R *Memecylon ovatifolium* (Poiret) Wickens 10082  
R 20771 Mauritius 10082
- I *Memecylon ovoideum* Thwaites 10252  
I 16162 Sri Lanka 10252
- I *Memecylon phyllanthifolium* Thwaites ex C.B. Clarke 10252  
I 16162 Sri Lanka 10252
- R *Memecylon procteri* A. & R. Fernandes 7959  
R 5926 Tanzania (Usambara mountains) 5926
- I *Memecylon revolutum* Thwaites 10252  
I 16162 Sri Lanka 10252
- E *Memecylon rhinophyllum* Thwaites 12838  
E 12838 Sri Lanka 12838
- R *Memecylon rostratum* Thwaites 10276  
R 12838 Sri Lanka 10276
- I *Memecylon rotundatum* (Thwaites) Cogn. & Bremer 10252  
I 16162 Sri Lanka 10252
- I *Memecylon schliebenii* Markgr. 5926  
I 5926 Tanzania 5926
- R *Memecylon semseii* A. & R. Fernandes 7959  
R 5926 Tanzania (Lushoto) 7959
- I *Memecylon sisparense* Gamble 14782  
I 14782 India - Tamil Nadu (Nilgiri Hills) 14782

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Memecylon*

- R** *Memecylon sylvaticum* Thwaites 12838  
**R** 12838 Sri Lanka 12838
- V** *Memecylon teitense* Wick. 7959  
**V** 20057 Kenya (Taita hills) 6073
- V** *Memecylon varians* Thwaites 12838  
**V** 12838 Sri Lanka 12838
- I** *Memecylon wightiana* Triana  
**I** India - Kerala (Malabar, Travancore coast)
- I** *Meriania acostae* Wurdack 11351  
**I** 19558 Ecuador 11351
- I** *Meriania almedae* Wurdack 11351  
**I** 19558 Ecuador 11351
- R** *Meriania ampla* Wurdack 11351  
**R** 19558 Ecuador 11351
- I** *Meriania amplexicaulis* Wurdack 11351  
**I** 19558 Ecuador 11351
- R** *Meriania anderssonii* Wurdack 19558  
**R** 19558 Ecuador 19558
- E** *Meriania brevipedunculata* Judd & Slean 20883  
**I** 20883 Haiti 20883
- R** *Meriania campii* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Meriania costata* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Meriania cuneifolia* Gleason ssp. *cuneifolia* 11351  
**R** 19558 Ecuador 11351
- I** *Meriania cuneifolia* Gleason ssp. *subandina* Wurdack 11351  
**I** 19558 Ecuador 11351
- R** *Meriania denticulata* (Gleason) Wurdack 11351  
**R** 19558 Ecuador 11351
- I** *Meriania drakei* (Cogn.) Wurdack ssp. *chontalensis* Wurdack 11351  
**I** 19558 Ecuador 11351
- R** *Meriania drakei* (Cogn.) Wurdack ssp. *drakei* 11351  
**R** 19558 Ecuador 11351
- R** *Meriania finicola* Wurdack 19558  
**R** 19558 Ecuador 19558
- R** *Meriania furvanthera* Wurdack 11351  
**R** 19558 Ecuador 11351
- I** *Meriania kirkbridei* Wurdack 11351  
**I** 19558 Ecuador 11351
- R** *Meriania leucantha* (Sw.) Sw. 20883  
**R** 20883 Jamaica 20883
- I** *Meriania loxensis* Gleason 11351  
**I** 19558 Ecuador 11351
- I** *Meriania maguirei* Wurdack 11351  
**I** 19558 Ecuador 11351
- E** *Meriania panamensis* Woods. & Schery 20883, 9006  
**E** 9835 Panama 20883
- E** *Meriania parvifolia* Judd & Slean 20883  
**I** 20883 Haiti 20883
- R** *Meriania pastazana* Wurdack 11351  
**R** 19558 Ecuador 11351
- V** *Meriania pichinchensis* Wurdack 19558  
**V** 19558 Ecuador 19558
- R** *Meriania rigida* (Benth.) Triana 11351  
**R** 19558 Ecuador 11351
- I** *Meriania stellata* Wurdack 11351  
**I** 19558 Ecuador 11351
- E** *Miconia acunae* Borh. 5607  
**E** 19105 Cuba (Granma; Santiago de Cuba) 5607
- E** *Miconia adrieni* J.F. Macbr. 18200  
**E** 9446 Peru 18200
- R** *Miconia aequatorialis* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia attenuata* DC. 20883  
**R** 20883 Jamaica 20883
- R** *Miconia barbipilis* Gleason 11351  
**R** 19558 Ecuador 11351
- R** *Miconia barclayana* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia beneolens* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia benoistii* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia bipatris* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia bolivarensis* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia brevitheca* Gleason 11351  
**R** 19558 Ecuador 11351
- R** *Miconia caelata* (Bonpl.) DC. 11351  
**R** 19558 Ecuador 11351
- R** *Miconia caesariata* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia cajanumana* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia campii* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia capitellata* (DC.) Cogn 11351  
**R** 19558 Ecuador 11351
- R** *Miconia castillensis* Wurdack 11351  
**R** 19558 Ecuador 11351
- E** *Miconia centrosperma* Almeda 20883, 12041  
**I** 20883 Panama 20883
- R** *Miconia cercophora* Wurdack ssp. *canelosana* Wurdack 11351  
**R** 19558 Ecuador 11351
- R** *Miconia cercophora* Wurdack ssp. *esetulosa* Wurdack 11351  
**R** 19558 Ecuador 11351
- V** *Miconia chiriquiensis* Almeda 9835  
**E** 9835 Costa Rica 10747  
**V** 16826 Panama 9835
- E** *Miconia coloradensis* Almeda 20883, 10747  
**I** 20883 Panama 20883
- E** *Miconia concinna* Almeda 20883, 10747  
**I** 20883 Panama 20883
- E** *Miconia confertiflora* Almeda 9835  
**E** 9835 Costa Rica 9835
- V** *Miconia contrerasii* Wurdack 9838  
**V** 9836 Guatemala 9838
- R** *Miconia corazonica* Wurdack 11351

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Miconia*

- R 19558 Ecuador 11351
- V *Miconia cordifolia* (Alain) Borh. 5607  
V 19105 Cuba (Holguin) 5607
- R *Miconia coriacea* (Swartz) DC. 10199  
R Dominica 10199
- R *Miconia cosangensis* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia crocea* (Desr.) Naud. var. *setosa*  
Markgraf 11351  
R 19558 Ecuador 11351
- V *Miconia dapsiliflora* Wurdack 11351  
V 19558 Ecuador 11351
- R *Miconia dielsii* Markgraf 11351  
R 19558 Ecuador 11351
- R *Miconia dissimulans* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia dodsonii* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia echinoidea* Standley & Steyerl. 9004  
R 9836 Guatemala 9004  
R 9836 Mexico 9004
- V *Miconia explicita* Wurdack 11351  
V 19558 Ecuador 11351
- E *Miconia ferreyrae* Wurdack 18200  
E 9446 Peru 18200
- E *Miconia foveolata* Cogn. 20883  
I 20883 Puerto Rico 20883
- I *Miconia fuertesii* Cogn. 5642  
I Dominican Republic 5642
- V *Miconia fulvostellata* L.O. Williams 9004  
V 9836 Belize 9004  
V 9836 Guatemala 9004
- R *Miconia gibba* Markgraf 11351  
R 19558 Ecuador 11351
- R *Miconia glandulistyla* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia gonioclada* Triana 11351  
R 19558 Ecuador 11351
- R *Miconia guayaquilensis* (Bonpl.) D. Don 11351  
R 19558 Ecuador 11351
- R *Miconia heterochaeta* Wurdack 19558  
R 19558 Ecuador 11351
- R *Miconia hirsutivena* Gleason 11351  
R 19558 Ecuador 11351
- R *Miconia huigrensis* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia imitans* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia inanis* Cogn. & Gleason Ex. Gleason 11351  
R 19558 Ecuador 11351
- R *Miconia innata* Gleason 11351  
R 19558 Ecuador 11351
- V *Miconia lenticellata* Alain 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- R *Miconia littlei* Wurdack 11351  
R 19558 Ecuador 11351
- I *Miconia longisetosa* Wurdack 11351  
I 19558 Ecuador 11351
- R *Miconia macbrydeana* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia media* (D. Don) Naud ssp. *ecuadorensis*  
Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia mediocris* Wurdack 11351  
R 19558 Ecuador 11351
- E *Miconia melanotricha* Gleason var. *panamensis*  
Gleason 20883, 9006  
R 9836 Panama 20883
- R *Miconia namandensis* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia nasella* Wurdack 11351  
R 19558 Ecuador 11351
- V *Miconia nubicola* Proctor 20883, 13336  
V 13336 Jamaica 20883
- R *Miconia ochracea* Triana 19352  
R 9836 Colombia 19352  
R 9836 Ecuador 11351
- V *Miconia ottoschulzii* Urban & Ekman 20883, 19002  
I 20883 Puerto Rico 20883
- E *Miconia panamensis* Gleason 20883, 9006  
I 20883 Panama 20883
- V *Miconia perelegans* Urban 5607  
V 19105 Cuba (Juventud Is.) 5607
- R *Miconia pernetifolia* Triana 11351  
R 19558 Ecuador 11351
- R *Miconia petersonii* Urban 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R *Miconia phaeochaeta* Wurdack 19558  
R 19558 Ecuador 19558
- R *Miconia poortmannii* (Cogn.) Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia porphyrotricha* (Markgraf) Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia prietoi* Wurdack 11351  
R 19558 Ecuador 11351
- V *Miconia pseudorigida* Proctor 20883, 13336  
V 13336 Jamaica 20883
- V *Miconia purulensis* J.D. Smith 9004  
V 9836 Guatemala 9004
- E *Miconia pycnoneura* Urban 20883  
I 20883 Puerto Rico 20883
- V *Miconia quadrangularis* Proctor var. *glandulosa*  
Proctor 20883, 13336  
V 13336 Jamaica 20883
- R *Miconia remotiflora* Urban 5607  
R 19105 Cuba (Granma) 5607
- I *Miconia reticulata* Triana 19352  
I 19352 Colombia 19352
- I *Miconia rigidissima* 15229  
I 15229 Haiti (La Visite & Macaya National Parks) 15229
- R *Miconia rimbachii* Wurdack 11351  
R 19558 Ecuador 11351
- R *Miconia rivetii* Danguy & Chermeson 11351  
R 19558 Ecuador 11351
- V *Miconia robinsoniana* Cogn. 11117  
V 14980 Ecuador - Galapagos (Santa Cruz; San

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Miconia*

Cristobal) 11117

- E** *Miconia rufostellulata* Pitt. 20883, 9006  
R 9836 Panama 20883
- V** *Miconia santaritensis* Almeda 20883, 12041  
I 20883 Panama 20883
- R** *Miconia santata* Gleason 11351  
R 19558 Ecuador 11351
- I** *Miconia sodiroi* Wurdack 11351  
I 19558 Ecuador 11351
- R** *Miconia stenophylla* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Miconia suborbicularis* Cogn. 11351  
R 19558 Ecuador 11351
- V** *Miconia tixixensis* Standley & Steyerf. 9004  
V 9836 Guatemala 9004
- V** *Miconia uninervis* Alain 5607  
V 19105 Cuba (Holguin, Guantanamo) 5607
- R** *Miconia villonacensis* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Monochaetum alpestre* Naudin 9841  
R 9835 Mexico 9841
- E** *Monochaetum candollei* Cogn. 9841  
E 9835 Mexico 9841
- E** *Monochaetum compactum* Almeda 20883, 9841  
V 9835 Panama 20883
- V** *Monochaetum exaltatum* Almeda 20883, 9841  
V 9835 Panama 20883
- R** *Monochaetum linearifolium* Almeda 9841  
R 9835 Costa Rica 9841
- R** *Monochaetum macrantherum* Gleason 9841  
R 9835 Costa Rica 9841
- E** *Monochaetum rubescens* Gleason 9841  
E 9835 Mexico 9841
- V** *Monochaetum talamancense* Almeda 9841  
V 9835 Costa Rica 9841
- R** *Monochaetum trichophyllum* Almeda 9841  
R 9835 Panama 9841
- V** *Monolena guatemalensis* J.D. Smith 9004  
V 9836 Guatemala 9004
- E** *Mouriri ambiconvexa* Morley 20883  
I 20883 Colombia 20883
- V** *Mouriri angustifolia* Spruce ex Triana 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E** *Mouriri arborea* Gardner 20883  
I 20883 Brazil 20883
- E** *Mouriri bahiensis* Morley 20883  
I 20883 Brazil 20883
- R** *Mouriri cearensis* Huber 20883  
I 20883 Brazil 20883
- E** *Mouriri cearensis* Huber ssp. *carajasia*  
Morley 20883  
I 20883 Brazil 20883
- R** *Mouriri cearensis* Huber ssp. *cearensis* 20883  
I 20883 Brazil 20883
- R** *Mouriri chamissoana* Cogniaux 20883, 20310  
I 20883 Brazil 20883  
? Brazil - Santa Catarina 20310
- E** *Mouriri coibensis* Morley 20883, 9842  
R 9836 Panama 20883
- R** *Mouriri completens* (Pitt.) Burret 20883  
I 20883 Panama 20883  
I 20883 Colombia 20883
- R** *Mouriri crassifolia* Sagot 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Suriname 20883
- R** *Mouriri cyphocarpa* Standl. 20883  
I 20883 Guatemala 20883  
I 20883 Nicaragua 20883  
I 20883 Panama 20883
- V** *Mouriri doriana* Saldanha ex Cogniaux 20883  
I 20883 Brazil 20883
- R** *Mouriri dumetosa* Cogniaux 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- R** *Mouriri emarginata* var. *rostrata* (Urban)  
Morley 20883  
I 20883 Cuba 20883
- R** *Mouriri eugeniaefolia* Spruce ex Triana 20883  
I 20883 Brazil 20883
- E** *Mouriri exadenia* Morley 20883, 18200  
E 12468 Peru 20883
- V** *Mouriri floribunda* Markgraf 20883, 18200  
E 12468 Peru 20883
- V** *Mouriri francavillana* Cogniaux 20883  
I 20883 Brazil 20883  
? Brazil - Amapa (Oiapock) 21028  
? Brazil - Amazonas (east) 21028  
I 20883 French Guiana (south-east) 21028
- E** *Mouriri froesii* Morley 20883  
I 20883 Brazil 20883
- R** *Mouriri gardneri* Triana 20883  
I 20883 Brazil 20883
- V** *Mouriri gonavensis* Urban & Ekman 20883  
I 20883 Haiti 20883
- E** *Mouriri gonavensis* Urban & Ekman var. *gonavensis* 20883  
I 20883 Haiti 20883
- V** *Mouriri gonavensis* Urban & Ekman var. *hottensis*  
(Urban & Ekman) Morley 20883  
I 20883 Haiti 20883
- R** *Mouriri helleri* Britt. var. *helleri* 20883  
I 20883 Puerto Rico 20883
- R** *Mouriri helleri* Britt. var. *samanensis* (Urban)  
Morley 20883  
I 20883 Dominican Republic 20883
- E** *Mouriri lancifolia* Urban & Ekman 20883  
I 20883 Haiti 20883
- R** *Mouriri longifolia* (H. B. K.) Morley 20883  
I 20883 Venezuela 20883
- R** *Mouriri maestralis* Urban 5607  
R 19105 Cuba (Granma; Santiago de Cuba) 5607
- E** *Mouriri megasperma* Morley 20883  
I 20883 Brazil 20883
- E** *Mouriri micradenia* Ducke 20883  
I 20883 Brazil 20883
- E** *Mouriri micranthera* Morley 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Mouriri*

- I 20883 Colombia 20883
- E** *Mouriri monopora* Morley 20883  
I 20883 Brazil 20883
- R** *Mouriri muelleri* Cogniaux 20883, 9842  
I 20883 Mexico 20883
- R** *Mouriri myrtilloides* ssp. *myrtilloides* 20883  
I 20883 Haiti 20883  
I 20883 Jamaica 20883
- V** *Mouriri myrtilloides* ssp. *orinocensis*  
Morley 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E** *Mouriri obtusiloba* Morley 20883  
I 20883 Brazil 20883
- E** *Mouriri pachyphylla* Burret 20883  
I 20883 Colombia 20883
- E** *Mouriri panamensis* Morley 20883, 9842  
V 16360 Panama 20883
- R** *Mouriri peruviana* Morley 20883  
I 20883 Peru 20883
- R** *Mouriri pranceana* Morley 20883  
I 20883 Brazil 20883
- E** *Mouriri regeliana* Cogniaux 20883  
I 20883 Brazil 20883
- R** *Mouriri spatulata* var. *brachypoda* (Urban & Ekman)  
Morley 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- R** *Mouriri spatulata* var. *spatulata* 20883  
I 20883 Cuba 20883
- V** *Mouriri steyermarkii* Standley ex Standley &  
Steyermark 20883, 9004  
V 9836 Guatemala 20883
- E** *Mouriri tessmannii* Markgraf 20883, 18200  
E 12468 Peru 20883
- R** *Mouriri torquata* Morley 20883  
I 20883 Brazil 20883
- R** *Mouriri uncitheca* Morley & Wurdack 20883  
I 20883 Venezuela 20883
- R** *Mouriri valenzuelana* A. Richard 20883  
I 20883 Cuba 20883
- E** *Mouriri viridicosta* Morley 20883  
I 20883 French Guiana 20883
- I** *Osbeckia aspera* (L.) Blume  
I India - Kerala (Travancore coast)
- I** *Osbeckia lawsoni* Gamble  
I India - Kerala
- I** *Osbeckia porteresii* Jacq.-Fel. 7926  
I Guinea 7926
- I** *Osbeckia stellata* Buch. Ham. ex Ker-Gawler var.  
*hispidissima* (Wight) Hansen  
I India - Andhra Pradesh (Vizakapatanam District)  
I India - Karnataka (Wostara)  
I India - Orissa (Ganjam Hills)
- I** *Osbeckia travancorica* Beddome ex Gamble  
I India - Kerala (lower hills, Travancore)
- R** *Ossaea asplundii* Wurdack 11351  
R 19558 Ecuador 11351
- V** *Ossaea baracoensis* Borh. & Muniz 5607
- V** 19105 Cuba (Holguin; Guantanamo) 5607
- R** *Ossaea boekei* Wurdack 11351  
R 19558 Ecuador 11351
- E** *Ossaea costata* Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- V** *Ossaea elliptica* Alain 5607  
V 19105 Cuba (Guantanamo) 5607
- E** *Ossaea filisepala* Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- V** *Ossaea heterotricha* (Griseb.) C. Wright 5607  
V 19105 Cuba (Guantanamo) 5607
- I** *Ossaea hirtella* (Sw.) Triana 20883, 13336  
I 13336 Jamaica 20883
- E** *Ossaea hypoglauca* (C. Wright) M. Gomez  
E 19105 Cuba 19105
- E** *Ossaea krugiana* Cogn. 20883  
I 20883 Puerto Rico 20883
- R** *Ossaea micarensis* Urban 5607  
R 19105 Cuba (Santiago de Cuba) 5607
- E** *Ossaea neurotricha* C. Wright 5607  
E 19105 Cuba (Guantanamo) 5607
- V** *Ossaea palenquinsis* Wurdack 11351  
V 19558 Ecuador 11351
- R** *Ossaea pulchra* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- R** *Ossaea rubescens* (Triana) Cogn. 19558  
R 19558 Ecuador 19558
- R** *Ossaea sparrei* Wurdack 11351  
R 19558 Ecuador 11351
- R** *Ossaea wilsoni* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- E** *Pachyanthus clementis* P. Wilson 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E** *Pachyanthus lunanus* Britton & P. Wilson 5607  
E 19105 Cuba 5607
- E** *Pachyanthus oleifolius* Griseb. 5607  
E 19105 Cuba (SC; Ho; Gu) 5607
- E** *Pachyanthus tetramerus* Urban & Ekman 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Phyllagathis magnifica* A. Weber 11926  
E Malaysia - Peninsular Malaysia (Genting Highlands) 11926
- E** *Phyllagathis stonoi* A. Weber 11925  
E Malaysia - Peninsular Malaysia (Genting Highlands; Gombak) 11925
- R** *Pilocosta campanensis* (Almeda & Whiffin)  
Almeda 21289  
R 21300 Panama 21289
- R** *Pilocosta erythrophylla* (Gleason) Almeda &  
Whiffin 9835  
R 9836 Costa Rica 9835
- R** *Plethiandra sessiliflora* Ridley  
R Malaysia - Peninsular Malaysia (Selangor)  
Ex 20099 Singapore 20099
- I** *Primularia pulchella* Brenan 5926  
I 5926 Tanzania 5926
- R** *Rhexia aristosa* Britt. 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Delaware 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Rhexia*

- V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Maryland 20850  
 E 20850 U.S. - New Jersey 20850  
 R 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Virginia 20850
- V *Rhexia parviflora* Chapman 20850  
 E 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850
- V *Rhexia salicifolia* Kral & Bostick 20850  
 E 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Florida 20850
- R *Rhynchanthera medialis* Standley & Steyererm. 9004  
 R 9835 Guatemala 9004
- I *Sonerila barnesii* C. Fischer  
 I India - Tamil Nadu (Nadugani, Tirunelveli Hills)
- I *Sonerila cordifolia* Cogn. 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila elegans* Wight  
 I India - Tamil Nadu
- I *Sonerila firma* (Thwaites) Lundm. 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila gardneri* Thwaites 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila lanceolata* Thwaites 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila nemakadensis* C. Fischer  
 I India - Kerala (Travancore)
- I *Sonerila pilosula* Thwaites 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila pulneyensis* Gamble 6295  
 I India - Tamil Nadu 6295
- I *Sonerila robusta* Arn. 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila siamensis* Nayar 19120  
 I 19120 Thailand 19120
- I *Sonerila spectabilis* Nayar 19120  
 I 19120 Thailand 19120
- I *Sonerila tomentella* Thwaites 10252  
 I 16162 Sri Lanka 10252
- I *Sonerila wightiana* Arn. 10252  
 I 16162 Sri Lanka 10252
- V *Spathandra barteri* Hook.f. 20274  
 V 20858 Tropical Africa (Guinea-wide) 20858  
 V 20858 Ghana 20274
- E *Tessmannianthus carinatus* Almeda 20883  
 I 20883 Panama 20883
- E *Tessmannianthus gordonii* Almeda 20883  
 I 20883 Panama 20883
- V *Tessmannianthus panamensis* Almeda 14292  
 V 16317 Panama 14292
- V *Tetrazygia albicans* (D. Don ex Naud.) Triana 20883,  
 13336  
 V 13336 Jamaica 20883
- E *Tetrazygia aurea* Howard & Briggs 5607  
 E 19105 Cuba (Sancti Spiritus) 5607
- V *Tetrazygia elegans* Urban 5607  
 V 19105 Cuba (SC; Gu) 5607
- V *Tetrazygiopsis ekmanii* (Urban) Borh. 5607
- V 19105 Cuba (Granma) 5607
- R *Tibouchina andersonii* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Tibouchina campii* Wurdack 11351  
 R 19558 Ecuador 11351
- V *Tibouchina chamaecistus* (Naudin) Cogn. 5710  
 V 5710 Martinique 5710
- R *Tibouchina gleasoniana* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Tibouchina inopinata* Wurdack 9836  
 R 9836 Costa Rica 9836  
 R 9835 Panama 10747
- R *Tibouchina oroensis* Gleason 11351  
 R 19558 Ecuador 11351
- I *Tococa broadwayi* Urb. 5932  
 I 5932 Trinidad & Tobago (Tobago) 5932
- E *Tococa croatii* Almeda 20883  
 I 20883 Panama 20883
- R *Topobea acuminata* Wurdack 19558  
 R 19558 Ecuador 19558
- R *Topobea aeruginosa* (Standley) L.O. Williams 9529  
 R 9835 Honduras 9529  
 V 11967 Nicaragua 9529
- R *Topobea brenesii* Standley 9037  
 R 9836 Costa Rica 9037
- R *Topobea brevibractea* Gleason 11351  
 R 19558 Ecuador 11351
- R *Topobea calophylla* Almeda 10747  
 R 9835 Panama 10747
- R *Topobea caudata* Wurdack 19558  
 R 19558 Ecuador 19558
- E *Topobea cooperi* Gleason 20883, 9006  
 E 9835 Panama 20883
- E *Topobea cordata* Gleason 20883, 9006  
 V 9835 Panama 20883
- R *Topobea cutucuensis* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Topobea eplingii* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Topobea induta* Markgraf 11351  
 R 19558 Ecuador 11351
- R *Topobea macbrydei* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Topobea maguirei* Wurdack 11351  
 R 19558 Ecuador 11351
- E *Topobea pluvialis* Standl. 20883, 9006  
 V 9835 Panama 20883
- E *Topobea regeliana* Cogn. 20883, 9006  
 I 20883 Panama 20883
- R *Topobea standleyi* L.O. Williams 9004  
 R 9835 Guatemala 9004
- R *Topobea toachiensis* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Topobea verrucosa* Wurdack 11351  
 R 19558 Ecuador 11351
- R *Triolena asplundii* Wurdack 11351  
 R 19558 Ecuador 11351
- V *Triolena calcephila* (Standley & Steyererm.) Standley & L.O.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Melastomataceae: *Triolena*

- Williams 9004  
 V 9836 Guatemala 9004  
 V *Triolena izabalensis* Standley & Steyererm. 9004  
 V 9836 Guatemala 9004  
 R *Triolena pedomontana* Wurdack 11351  
 R 19558 Ecuador 11351  
 R *Triolena pustulata* Triana 11351  
 R 19558 Ecuador 11351  
 V *Triolena roseiflora* (Standley & Steyererm.) Standley & L.O.  
 Williams 9004  
 V 9836 Guatemala 9004  
 V *Triolena stenophylla* (Standley & Steyererm.) Standley & L.O.  
 Williams 9004  
 V 9836 Guatemala 9004  
 V *Tristemma schliebenii* Markgraf 7959  
 V 5926 Tanzania (Rufyi Distr.) 7959  
 R *Votomita guianensis* Aublet 20883  
 I 20883 French Guiana 20883  
 ? Guyana (Pakaraima Mts.) 21028  
 I 20883 Suriname (east) 21028  
 E *Votomita monadelpha* (Ducke) Morley 20883  
 I 20883 Brazil 20883  
 R *Votomita monantha* (Urban) Morley 20883  
 I 20883 Cuba 20883  
 E *Votomita orbinaxia* Morley 20883  
 I 20883 Brazil 20883  
 E *Votomita orinocensis* Morley 20883  
 I 20883 Venezuela 20883  
 E *Votomita plerocarpa* (Morley) Morley 20883  
 I 20883 Brazil 20883  
 E *Votomita pubescens* Morley 20883  
 I 20883 Peru 20883  
 I *Warneckea memecyloides* (Benth.)  
 H.Jacques-Felix 10260  
 V 20858 Cameroon 18326  
 V 20858 Côte d'Ivoire 18326  
 I 7927 Gabon 7927  
 V 20858 Ghana 20274  
 V 20858 Nigeria 18326

Meliaceae

Number of genera: 51  
 Number of species: 550  
 Recorded threatened species: 109 (19%)

Tropical and subtropical; some in temperate regions.

- V *Aglaia iloilo* (Blanco) Merr. 13780  
 V 15960 Philippines 13780  
 V *Amoora dasyclada* (How & T. Chen) C.Y. Wu 17617  
 V 17617 China - Hainan Is. 11139  
 V 17617 China - Yunnan (Xishuangbanna) 11139  
 V *Aphanamixis cumingiana* (C. DC.) Harms. 13780  
 V 15960 Philippines 13780  
 R *Cabrlea canjerana* ssp. *polytricha* Adr.  
 Jussieu 20883  
 I 20883 Brazil 20883  
 ? Brazil - Goias 9843  
 ? Brazil - Minas Gerais 9843  
 R *Cedrela montana* Moritz ex Turcz. 20883  
 I 20883 Colombia 20883  
 I 20883 Ecuador 20883  
 I 20883 Peru 20883

- I 20883 Venezuela 20883  
 V *Cedrela oaxacensis* C. de Candolle & Rose 20883, 9004  
 V 20883 Mexico 20883  
 R 19801 Mexico - Oaxaca 9004  
 E *Cedrela weberbaueri* Harms 19965  
 E 20041 Peru 19965  
 I *Dysoxylum angustifolium* Merr. 13833  
 I 13833 Philippines (Palawan) 13833  
 I *Dysoxylum beddomei* Hiern  
 I India - Kerala (Peermade & Cardomom Hills)  
 I *Dysoxylum ficiforme* (Wight) Gamble  
 I India - Kerala (Koni & Ranni valleys)  
 R *Dysoxylum kuskusense* (Hayata) Kaneh. & Hatus.  
 R Taiwan (Heng-ch'un Pen., Lan Yu)  
 R *Dysoxylum pachyphyllum* Hemsley  
 R 14225 Australia - NSW - Lord Howe Is. 14225  
 E *Dysoxylum pachypodum* (Baillon) C.DC. 20893  
 E 20893 New Caledonia 20893  
 I *Dysoxylum palawanensis* Merr. 13833  
 I 13833 Philippines (low altitude) 13833  
 V *Dysoxylum patersonianum* (Endl.) Maiden  
 V 14225 Australia - Norfolk Is. 14288  
 E *Dysoxylum peerisi* Kosterm. 12838  
 E 12838 Sri Lanka 12838  
 V *Dysoxylum turczaninowii* C. DC. 13780  
 V 15960 Philippines 13780  
 E *Guarea carapoides* Harms 20883  
 E 20883 Peru 20883  
 E *Guarea cartaguenya* Cuatrecasas 20883  
 I 20883 Colombia 20883  
 I 20883 Ecuador 20883  
 E *Guarea casimiriana* Harms 20883  
 E 20883 Peru 20883  
 E *Guarea caulobotrys* Cuatrecasas 20883  
 I 20883 Colombia 20883  
 V *Guarea convergens* Pennington 20883  
 V 20883 Brazil 20883  
 ? Brazil - Amazonas 9843  
 E *Guarea corrugata* Cuatrecasas 20883  
 E 20883 Colombia 20883  
 E *Guarea costata* Adr. Jussieu 20883  
 E 20883 French Guiana 20883  
 E 20883 Suriname 20883  
 E *Guarea crispa* Pennington 20883  
 E 20883 Brazil 20883  
 ? Brazil - Amazonas 9843  
 V *Guarea cristata* Pennington 20883  
 I 20883 Brazil 20883  
 I 20883 Peru 20883  
 R *Guarea guentheri* Harms 20883  
 I 20883 Brazil 20883  
 I 20883 Peru 20883  
 R *Guarea humaitensis* Pennington 20883  
 R 20883 Brazil 20883  
 V *Guarea jamaicensis* Proctor 20883, 13336  
 V 13336 Jamaica 20883  
 R *Guarea juglandiformis* Pennington 20883  
 I 20883 Brazil 20883  
 ? Brazil - Acre 9843  
 I 20883 Peru 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Meliaceae: *Guarea*

- V** *Guarea macropetala* Pennington 20883, 10747  
**I** 20883 Panama 20883
- R** *Guarea macrophylla* Vahl ssp. *macrophylla* 20883  
**I** 20883 20883  
**I** 20883 Antigua & Barbuda 20883  
**I** 20883 Dominica 20883  
**I** 20883 Guadeloupe 20883  
**I** 20883 Grenada 20883  
**I** 20883 Martinique 20883  
**I** 20883 Montserrat 20883  
**I** 20883 St Vincent 20883  
**I** 20883 USA - Virgin Is. 20883
- V** *Guarea polymera* Little 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- E** *Guarea pyriformis* Pennington 20883, 9843  
**E** 20883 Costa Rica 20883
- E** *Guarea sphenophylla* Urban 20883  
**E** 20883 Dominican Republic (La Ho, Nalga de Maco) 21008  
**E** 20883 Haiti (Grand Bois, Morne Formon) 21008
- E** *Guarea sprucei* C. de Candolle 20883  
**E** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843
- R** *Guarea trunciflora* C. de Candolle 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843  
**?** Brazil - Pará 9843  
**I** 20883 Peru 20883
- R** *Guarea velutina* Adr. Jussieu 20883  
**V** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843  
**?** Brazil - Pará 9843  
**?** Brazil - Roraima 9843
- R** *Guarea venenata* Pennington 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843  
**I** 20883 Colombia 20883
- I** *Munronia palawanensis* (Merr.) Harms 13833  
**I** 13833 Philippines (Palawan) 13833
- V** *Owenia cepiodora* F. Muell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Pseudocarapa championii* Hemsley 10276  
**V** 12838 Sri Lanka 10276
- R** *Ruagea hirsuta* (C. DC) Harms 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883  
**I** 20883 Peru 20883
- E** *Ruagea ovalis* (Rusby) Harms 20883  
**E** 20883 Bolivia 20883
- V** *Sandoricum vidalii* Merr. 13780  
**V** 15960 Philippines 13780
- V** *Schmardaea microphylla* (Hooker) Karsten ex C. Mueller 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883  
**I** 20883 Peru 20883  
**I** 20883 Venezuela 20883
- V** *Trichilia acuminata* (Humb. & Bonpl. ex Roemer & Schultes) C. de Candolle 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- I** *Trichilia adolfi* Harms 20883, 9843  
**I** 20883 Costa Rica 20883
- R** *Trichilia appendiculata* C. de Candolle 20883  
**I** 20883 Colombia 20883
- R** *Trichilia aquifolia* P. Wilson 20883  
**I** 20883 Dominican Republic (Bani to Barahona, Isla Beata) 21008  
**I** 20883 Haiti (central, Isla Tortuga) 21008
- V** *Trichilia areolata* Pennington 20883  
**V** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843  
**?** Brazil - Pará 9843
- E** *Trichilia blanchetii* C. DC. 20883  
**E** 20883 Brazil 20883  
**?** Brazil - Bahia 9843
- V** *Trichilia breviflora* Blake & Standley 20883  
**I** 20883 Belize 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Honduras 20883
- R** *Trichilia bullata* Pennington 20883  
**R** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843
- R** *Trichilia casaretti* C. de Candolle 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Bahia 9843  
**?** Brazil - Minas Gerais 9843  
**?** Brazil - Rio de Janeiro 9843  
**?** Brazil - Santa Catarina 9843  
**?** Brazil - Sao Paulo 9843
- E** *Trichilia chirriactensis* (Standley & Steyermark) Pennington 20883, 9843  
**R** 19801 Guatemala 20883
- E** *Trichilia discolor* Adr. Jussieu 20883  
**E** 20883 Brazil 20883  
**?** Brazil - Pará 9843
- V** *Trichilia elsae* Harms 20883  
**V** 20883 Brazil 20883  
**?** Brazil - Acre 9843
- R** *Trichilia emarginata* (Turczaninow) C. DC. 20883  
**V** 20883 Brazil 20883  
**?** Brazil - Acre 9843  
**?** Brazil - Bahia 9843  
**?** Brazil - Minas Gerais 9843  
**?** Brazil - Pará 9843  
**?** Brazil - Rio de Janeiro 9843  
**?** Brazil - Roraima 9843  
**?** Brazil - Sao Paulo 9843
- R** *Trichilia erythrocarpa* Lundell 20883  
**I** 20883 Belize 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Mexico 20883  
**I** 20883 Peru 20883
- R** *Trichilia fasciculata* Pennington 20883  
**V** 20883 Brazil 20883
- E** *Trichilia florbranca* Pennington 20883  
**E** 20883 Brazil 20883  
**?** Brazil - Bahia 9843
- E** *Trichilia gamopetala* Pennington 20883  
**E** 20883 Venezuela 20883
- V** *Trichilia hispida* Pennington 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Amazonas 9843  
**I** 20883 Peru 20883
- E** *Trichilia laxipaniculata* Cuatrecasas 20883  
**I** 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Meliaceae: *Trichilia*

- I** 20883 Ecuador 20883
- R** *Trichilia lecontei* ducke 20883  
**I** 20883 Brazil 20883  
 ? Brazil - Pará 9843  
**I** 20883 Guyana 20883
- R** *Trichilia lepidota* Martius 20883  
**I** 20883 Brazil 20883  
**I** 20883 Suriname 20883  
**I** 20883 Venezuela 20883
- V** *Trichilia lepidota* Martius ssp. *lepidota* 20883  
**V** 20883 Brazil 20883  
 ? Brazil - Bahia 9843
- R** *Trichilia lepidota* Martius ssp. *leucastra* (Sandwith) Pennington 20883  
**I** 20883 Guyana 20883  
**I** 20883 Suriname 20883  
**I** 20883 Venezuela 20883
- R** *Trichilia lepidota* Martius ssp. *schumanniana* (Harms) Pennington 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Minas Gerais 9843  
 ? Brazil - Parana 9843  
 ? Brazil - Rio de Janeiro 9843  
 ? Brazil - Rio Grande do Sul 9843  
 ? Brazil - Santa Catarina 9843  
 ? Brazil - Sao Paulo 9843
- R** *Trichilia magnifoliola* Pennington 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Bahia 9843  
 ? Brazil - Espirito Santo 9843  
 ? Brazil - Minas Gerais 9843
- R** *Trichilia maynasiana* ssp. *lanceolata* (C. DC.) Pennington 20883  
**I** 20883 Colombia 20883  
**I** 20883 Peru 20883
- R** *Trichilia micropetala* Pennington 20883  
**I** 20883 Brazil 20883  
 ? Brazil - Amapa 9843  
 ? Brazil - Pará 9843
- R** *Trichilia minutiflora* Standley 20883, 10397  
**I** 20883 Belize 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Mexico 20883  
 ? Mexico - Quintana Roo 10397
- E** *Trichilia monacantha* Urban 20883  
**E** 20883 Dominican Republic (Santiago) 21008
- R** *Trichilia moschata* ssp. *matudai* (Lundell) Pennington 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Mexico 20883
- V** *Trichilia ornithothena* J.J.De Wilde 20274  
**V** 20858 Côte d'Ivoire 20274  
**V** 20858 Ghana 20274
- V** *Trichilia pachypoda* (Rusby) C. de Candolle ex Harms 20883, 19961  
**I** 20883 Bolivia 20883  
**V** 19961 Peru 20883
- R** *Trichilia pallens* C. de Candolle 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Minas Gerais 9843  
 ? Brazil - Parana 9843  
 ? Brazil - Rio de Janeiro 9843  
 ? Brazil - Rio Grande do Sul 9843  
 ? Brazil - Santa Catarina 9843  
 ? Brazil - Sao Paulo 9843
- R** 20883 Paraguay 20883
- R** *Trichilia pallida* Sw. 19890  
**V** 19890 Jamaica 19890  
**R** 19890 Puerto Rico 19890
- V** *Trichilia pittieri* C. DC. 20883, 9843  
**V** 20883 Costa Rica 20883
- R** *Trichilia pseudostipularis* (A. Juss.) C. de Candolle 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Bahia 9843  
 ? Brazil - Espirito Santo 9843  
 ? Brazil - Rio de Janeiro 9843  
 ? Brazil - Santa Catarina 9843
- V** *Trichilia pungens* Urban 20883, 5607  
**E** 20883 Cuba (Camaguey, Las Tunas, Holguin) 20883
- R** *Trichilia ramalhoi* Rizzini, Leandra 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Bahia 9843  
 ? Brazil - Ceara 9843  
 ? Brazil - Espirito Santo 9843
- R** *Trichilia reticulata* P. Wilson 20883  
**R** 20883 Jamaica 20883
- R** *Trichilia schomburgkii* ssp. *javariensis* 20883  
**I** 20883 Brazil 20883  
 ? Brazil - Amazonas 9843  
 ? Brazil - Pará 9843  
**I** 20883 Colombia 20883
- R** *Trichilia silvatica* C. DC. 20883  
**R** 20883 Brazil 20883  
 ? Brazil - Bahia 9843  
 ? Brazil - Espirito Santo 9843  
 ? Brazil - Rio de Janeiro 9843  
 ? Brazil - Santa Catarina 9843  
 ? Brazil - Sao Paulo 9843
- R** *Trichilia solitudinis* Harms 20883  
**I** 20883 Brazil 20883  
 ? Brazil - Pará 9843  
 ? Brazil - Roraima 9843  
**I** 20883 Peru 20883
- R** *Trichilia stellato-tomentosa* Kuntze 20883  
**I** 20883 Argentina 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Brazil 20883  
 ? Brazil - Mato Grosso do Sul 9843  
**R** 20883 Paraguay 20883
- E** *Trichilia stenophylla* Urban & Ekman 20883  
**E** 20883 Haiti (Môle St. Nicolas to Bombarde (NW)) 21008
- V** *Trichilia stipitata* Pennington 20883  
**I** 20883 Colombia 20883  
**I** 20883 Peru 20883
- V** *Trichilia surumuensis* C. de Candolle 20883  
**V** 20883 Brazil 20883  
 ? Brazil - Roraima 9843  
**I** 20883 Guyana 20883
- V** *Trichilia tetrapetala* C. DC. 20883  
**V** 20883 Brazil 20883  
 ? Brazil - Espirito Santo 9843  
 ? Brazil - Rio de Janeiro 9843
- R** *Trichilia tomentosa* H.B.K. 20883  
**I** 20883 Mexico 20883  
**I** 20883 Panama 20883  
**I** 20883 Bolivia 20883  
**I** 20883 Peru 20883
- V** *Trichilia trachyantha* C. de Candolle 20883, 11840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Meliaceae: *Trichilia*

- V 20883 Cuba (Oriente; Las Villas) 20883
- E** *Trichilia triacantha* Urban 20883, 10197  
E 20883 Puerto Rico 20883
- V** *Trichilia trifolia* ssp. *palmeri* (C. de Candolle)  
Pennington 20883  
V 20883 Mexico 20883
- E** *Trichilia trifolia* ssp. *pteleaefolia* (Adr. Jussieu)  
Pennington 20883  
E 20883 Brazil 20883  
? Brazil - Minas Gerais 9843  
? Brazil - Rio de Janeiro 9843
- E** *Trichilia ulei* C. de Candolle 20883  
I 20883 Peru 20883
- V** *Turraea adjanohounii* Aké Assi 20887  
V 20887 Côte d'Ivoire (south-west) 20887
- R** *Turraea casimiriana* Harms 19421  
R 10082 Réunion 10082  
R 20771 Mauritius (Ile aux Aigrettes) 10082
- R** *Turraea cornucopia* White & Styles 20057  
R 20057 Kenya 20057
- E** *Turraea decandra* (Cav.) Harms 10082  
Ex 14220 Réunion 14220  
E 20771 Mauritius 10082
- V** *Turraea fischeri* Gurke ssp. *eylesii* (Baker f.)  
Styles & White 7749  
V 20909 Zimbabwe (Matopos Hills) 20909
- E** *Turraea ghanensis* J.B. Hall 6072  
E 6072 Ghana 6072
- V** *Turraea kimbozensis* Cheek 20556  
V 20885 Tanzania (Morogoro District) 20556
- E** *Turraea laciniata* (Balf.f.) Harms 10082  
E 5852 Mauritius - Rodrigues 5852
- R** *Turraea oppositifolia* (Cav.) Harms 10082  
E 14220 Réunion 14220  
R 20771 Mauritius 10082
- I** *Turraea pulchella* (Harms) T.D.Penn. 20604  
I 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Natal 20604
- E** *Turraea rigida* Vent. 10082  
E 20771 Mauritius 10082
- V** *Turraea streyi* F.White & Styles 20604  
V 20604 South Africa - Natal 20604
- E** *Turraea trichopoda* (Baillon) Harms 10082  
E 20771 Mauritius 10082
- V** *Walsura gardneri* Thwaites 12838  
V 12838 Sri Lanka 12838

**Meliantaceae**

Number of genera: 2  
Number of species: 8-36  
Recorded threatened species: 2 (9%)

Africa.

- I** *Bersama rosea* Hoyle 5926  
I 5926 Tanzania 5926
- V** *Bersama swynnertonii* Baker f. 7749  
V 20909 Zimbabwe 7749

**Meliosmaceae**

Number of genera: 2  
Number of species: 27  
Recorded threatened species: 16 (59%)

Tropical and East Asia, tropical America.

- I** *Meliosma abbreviata* 15229  
I 15229 Haiti (La Visite & Macaya National Parks) 15229
- R** *Meliosma caudata* Merr. 6057  
R Vietnam 6057
- R** *Meliosma cinerea* Vidal 6057  
R Vietnam 6057
- R** *Meliosma clemensiorum* Merr. 6057  
R Vietnam 6057
- E** *Meliosma cordata* A. Gentry 20883, 10747  
I 20883 Panama 20883
- E** *Meliosma corymbosa* A. Gentry 20883, 10161  
V 11967 Nicaragua 20883
- R** *Meliosma donnaiensis* Gagnepain 6057  
R Vietnam 6057
- V** *Meliosma hachijoensis* Nakai 10572  
V 10572 Japan (Isls. Izu) 20626
- E** *Meliosma hartshornii* A. Gentry 20883, 10161  
I 20883 Costa Rica 20883
- R** *Meliosma kontumensis* Vidal 6057  
R Vietnam 6057
- E** *Meliosma linearifolia* A. Gentry 20883, 10747  
I 20883 Panama 20883
- R** *Meliosma longipes* Merr. 6057  
R Vietnam 6057
- V** *Meliosma nanarum* A. Gentry 20883, 10161  
V 11967 Nicaragua 20883
- V** *Meliosma peytonii* A. Gentry 20883  
I 20883 Peru 20883
- E** *Meliosma solomonii* A. Gentry 20883  
I 20883 Bolivia 20883
- E** *Meliosma vasquezii* A. Gentry 20883  
I 20883 Peru 20883

**Menispermaceae**

Number of genera: 70  
Number of species: 400  
Recorded threatened species: 38 (9%)

Tropical and subtropical.

- I** *Albertisia mecistophylla* (Miers) Forman 14782  
I 14782 India - Assam 14782  
I 14782 India - Meghalaya 14782
- I** *Albertisia puberula* Forman 19120  
I 19120 Thailand 19120
- E** *Carronia pedicellata* Forman 20681  
E 20681 Australia - Queensland 20681
- I** *Cissampelos hispida* Forman 19120  
I 19120 Thailand (Chiang Mai) 19120
- I** *Cissampelos nigrescens* Diels var. *cardiophylla*  
Troupin 5926  
I 5926 Tanzania 5926
- E** *Cissampelos reticulata* Borh. 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Menispermaceae: *Cissampelos*

- E 19105 Cuba (Guantanamo) 5607
- I** *Cissampelos rigidifolia* (Engl.) Diels var. *lanuginosa* Troupin 5926  
I 5926 Tanzania 5926
- R** *Cosciniium fenestratum* (Gaertn) Coleb. 16162  
E 20263 India 20263  
V 20985 Vietnam 20985  
R 20099 Singapore 20099  
I 16162 Sri Lanka 16162
- R** *Cyclea aphylla* Gagnepain 6057  
R Vietnam 6057
- I** *Cyclea debiliflora* Miers 14782  
I 14782 India - Meghalaya 14782
- E** *Cyclea fissicalyx* Dunn 14782  
E 20263 India - Kerala (Wynnad, Malabar) 14782
- I** *Cyclea watti* Diels 14782  
I 14782 India - Nagaland 14782
- R** *Elephantomene eburnea* Barneby & Krukoff 8679  
R French Guiana 8679
- E** *Eleutharrhena macrocarpa* (Diels) Forman 17617  
E 17617 China - Yunnan (Jinghong, Xishuangbanna) 17617
- I** *Epinetrum apiculatum* Troupin 7959  
I 5926 Tanzania (Usambara Mts.) 7959
- V** *Epinetrum cordifolium* Mangenot & Miege 7926  
V Côte d'Ivoire 7926
- V** *Epinetrum mangelotii* Guillaumet & Debray  
V Côte d'Ivoire (Bas-Cavally)
- E** *Hyperbaena acutifolia* Britton 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E** *Hyperbaena allenii* Standl. 20883, 9006  
I 20883 Panama 20883
- I** *Hyperbaena macrophylla* Ekman 5607  
I 19105 Cuba (Santiago de Cuba) 5607
- Ex** *Hyperbaena obovata* Urban 5607  
Ex 19105 Cuba (Holguin; Guantanamo) 5607
- E** *Hyperbaena ovata* Urban 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E** *Hyperbaena paucinervis* Urban 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- R** *Hyperbaena prioriana* Miers 20883  
R 20883 Jamaica 20883
- E** *Hyperbaena valida* Miers 20883  
E 20883 Jamaica 20883
- R** *Hypserpa smilacifolia* Diels 20681  
R 20681 Australia - Queensland 20681
- R** *Pericampylus trinervatus* Yamoto 20511  
R 20511 Taiwan 20511
- I** *Pycnarrhena elliptica* Diels. 13833  
I 13833 Philippines (low altitude) 13833
- I** *Rhigiocarya peltata* Miege 7926  
I 19264 Côte d'Ivoire 7926
- I** *Stephania andamanica* Diels 7771  
I 14782 India - Andaman Is. (South Andaman Island) 7771
- I** *Stephania creba* Forman 19120  
I 19120 Thailand 19120
- I** *Stephania papillosa* Craib 19120  
I 19120 Thailand 19120

- I** *Stephania suberosa* Forman  
I 19120 Thailand 19120
- I** *Stephania tomentella* Forman 19120  
I 19120 Thailand 19120
- R** *Tiliacora australiana* Forman 20681  
I 20681 Australia - Northern Territory 20681  
I 20681 Australia - Queensland 20681
- I** *Tinospora andamanica* Diels 7771  
I India - Andaman Is. 7771
- R** *Tinospora dentata* Diels 20511  
R 20511 Taiwan 20511
- I** *Tinospora siamensis* Forman 19120  
I 19120 Thailand 19120
- R** *Tinospora tinosporeoides* (F.Muell.) Forman 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681

**Menyanthaceae**

Number of genera: 5  
Number of species: 30-35  
Recorded threatened species: 6 (18%)

Cosmopolitan.

- E** *Nymphoides ekmanii* (Urban) Alain 5607  
E 19105 Cuba (Juventud Is.) 5607
- I** *Nymphoides hastata* (Pierre) Kerr 19120  
I 19120 Thailand 19120
- R** *Nymphoides planosperma* H.I.Aston 20681  
R 20681 Australia - Northern Territory 20681
- V** *Villarsia calthifolia* F.Muell. 20681  
V 20681 Australia - Western Australia 20681
- R** *Villarsia marchantii* Ornduff 20681  
R 20681 Australia - Western Australia 20681
- R** *Villarsia submersa* Aston 20681  
R 20681 Australia - Western Australia 20681

**Molluginaceae**

Number of genera: 13  
Number of species: 100  
Recorded threatened species: 12 (12%)

Tropical and subtropical, especially Africa.

- I** *Glinus runkewitzii* Tackh. & Boulos  
I Egypt
- V** *Hypertelis acida* (Hook.f.) K. Muller 18996  
V 18996 St Helena 18996
- R** *Macarthuria complanata* E.Ross 20681  
R 20681 Australia - Queensland 20681
- R** *Macarthuria ephedroides* C.White 20681  
R 20681 Australia - Queensland 20681
- V** *Mollugo brevipes* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V** *Mollugo crockeri* J. Howell 11117  
V Ecuador - Galapagos (Santiago) 11117
- V** *Mollugo cubensis* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E** *Mollugo deltoidea* Leon 5607  
E 19105 Cuba (Holguin) 5607
- E** *Mollugo enneandra* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Molluginaceae: *Mollugo*

- R** *Mollugo flavescens* Andersson ssp. *insularis* (J. Howell) Eliasson 11117  
**R** Ecuador - Galapagos (Floreana; San Cristobal) 11117
- I** *Mollugo flavescens* Andersson ssp. *striata* (J. Howell) Eliasson 11117  
**I** Ecuador - Galapagos (Tower; Wolf) 11117
- R** *Mollugo floriana* (Robinson) J. Howell ssp. *floriana* 11117  
**R** Ecuador - Galapagos (Fernadina, Onslow, SantaFe) 5670
- R** *Mollugo floriana* (Robinson) J. Howell ssp. *gypsophiloides* J. Howell 11117  
**R** Ecuador - Galapagos (Pinzon) 11117
- I** *Mollugo floriana* (Robinson) J. Howell ssp. *santacruziana* (Christoph.) Eliasson 11117  
**I** Ecuador - Galapagos 11117
- E** *Mollugo pinosia* Urban 5607  
**E** 19105 Cuba (Juventud Is.) 5607

**Monimiaceae**

Number of genera: 30-35  
 Number of species: 450  
 Recorded threatened species: 23 (5%)

Tropical and subtropical, especially Southern Hemisphere.

- V** *Hedycarya aragoensis* Jeremie 20893  
**V** 20893 New Caledonia 20893
- R** *Hedycarya perbracteolata* Jérémie 20893  
**R** 20893 New Caledonia 20893
- V** *Hortonia angustifolia* Trimen 10276  
**V** 12838 Sri Lanka 10276
- E** *Mollinedia darienensis* Standl. 20883, 10747  
**I** 20883 Panama 20883
- R** *Mollinedia gilgiana* Perkins 17079  
**R** 17079 Brazil - Rio de Janeiro (município de Nova Friburgo) 17079
- V** *Mollinedia glabra* (Sprengel) Perkins 17079  
**V** 17079 Brazil - Rio de Janeiro (município do Rio de Janeiro, município de Macaé) 17079
- E** *Mollinedia lamprophylla* Perkins 17079  
**E** 17079 Brazil - Rio de Janeiro (Município do Rio de Janeiro) 17079
- R** *Mollinedia pallida* Lundell 10299  
**R** 9989 Mexico - Chiapas 10299
- R** *Palmeria hypotephra* (F.Muell.) Domin 20681  
**R** 20681 Australia - Queensland 20681
- R** *Siparuna glabrescens* (Presl) DC. 10199  
**R** 19001 Dominica 10199  
**R** 19001 Martinique (Trace des Jésuites; crêtes du Courman) 19001  
**R** 19001 St Vincent 10199
- R** *Siparuna palenquensis* Renner & Hausner 21273  
**R** 21273 Ecuador 21273
- R** *Stegathera australiana* C.White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Tambourissa amplifolia* (Boj. ex Tul.) A. DC. 10082  
**R** 20771 Mauritius 10082
- E** *Tambourissa cocottensis* D. Lorence 10082  
**E** 20771 Mauritius 10082
- R** *Tambourissa cordifolia* D. Lorence 10082

- R** 20771 Mauritius 10082
- R** *Tambourissa crassa* D. Lorence 10082  
**R** 14220 Réunion 10082
- R** *Tambourissa ficus* (Tul.) A. DC. 10082  
**R** 20771 Mauritius 10082
- E** *Tambourissa pedicellata* Baker 10082  
**E** 20771 Mauritius 10082
- V** *Tambourissa quadrifida* Sonn. 10082  
**V** 20771 Mauritius 10082
- V** *Tambourissa sieberi* A. DC. 10082  
**V** 20771 Mauritius 10082
- R** *Tambourissa tau* D. Lorence 10082  
**R** 20771 Mauritius 10082
- E** *Tambourissa tetragona* A. DC. 10082  
**E** 20771 Mauritius 10082
- R** *Wilkiea wardellii* (F.Muell.) Perkins 20681  
**R** 20681 Australia - Queensland 20681

**Montiniaceae**

Number of genera: 2  
 Number of species: 3  
 Recorded threatened species: 1 (33%)

South Africa, East Africa, Madagascar.

- E** *Grevea madagascariensis* Baillon ssp. *keniensis* Verdc. 6073  
**E** 6073 Kenya (Kwale) 7959

**Moraceae**

Number of genera: 40  
 Number of species: 1,000  
 Recorded threatened species: 110 (11%)

Tropical and subtropical.

- V** *Artocarpus blancoi* Merrill 12983  
**V** 15960 Philippines 12983
- V** *Artocarpus hypargyreus* Hance ex Benth. 11139  
**V** China - Fujian 11139  
**V** China - Guangdong 11139  
**V** China - Hunan 11139  
**V** China - Jiangxi 11139  
**V** China - Yunnan 11139
- R** *Artocarpus nobilis* Thwaites 8021  
**R** 12838 Sri Lanka 8021
- V** *Artocarpus rubrovenus* Warb. 12983  
**V** 15960 Philippines (Luzon) 20676
- V** *Artocarpus treculianus* Elmer 12983  
**V** 15960 Philippines 12983
- R** *Brosimum acutifolium* ssp. *acutifolium* 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Amazonas 21022  
**I** 20883 French Guiana 20883  
**I** 20883 Suriname 20883
- R** *Brosimum acutifolium* ssp. *interjectum* Berg 20883  
**R** 20883 Brazil 20883
- E** *Brosimum glaucum* Taubert 20883, 17079  
**E** 20883 Brazil 20883  
**R** 17079 Brazil - Minas Gerais 17079
- R** *Brosimum glaziovii* Taubert 17079  
**?** Brazil 20883  
**I** 21011 Brazil - Parana 21011

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Moraceae: *Brosimum*

- R 17746 Brazil - Rio de Janeiro 17079  
R 17746 Brazil - Santa Catarina 17079  
I 21011 Brazil - Sao Paulo 21011
- R *Brosimum utile* ssp. *allenii* (Woodson) C.C. Berg 20883  
I 20883 Costa Rica 20883
- V *Brosimum utile* ssp. *darienense* C.C. Berg 20883, 9990  
V 20883 Panama 20883
- V *Brosimum utile* ssp. *magdalenense* C.C. Berg 20883  
V 20883 Colombia 20883
- I *Broussonetia zeylanica* (Thwaites) Corner 8021  
I 16162 Sri Lanka 8021
- R *Castilla elastica* ssp. *gummifera* (Miquel) Berg 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- R *Diplothorax tonkinensis* Gagnepain 6057  
R Vietnam 6057
- E *Dorstenia alberti* Carauta, Valente & Sucre 2383  
E 11120 Brazil - Bahia 2383  
E 11120 Brazil - Espirito Santo 2383
- E *Dorstenia albertorum* Carauta, Valente & Sucre 16473  
E 16473 Brazil - Bahia 16473  
E 16473 Brazil - Espirito Santo 16473  
E 16473 Brazil - Rio de Janeiro 16473
- V *Dorstenia amazonica* Carauta & Valente 2383  
V 2383 Brazil - Pará 2383
- E *Dorstenia appendiculata* Miq. 11120  
E 11120 Brazil (east) 11120
- V *Dorstenia arifolia* Lam. 17079  
V 17746 Brazil - Espirito Santo 17079  
V 17746 Brazil - Minas Gerais (Manhuaçu) 17079  
V 17746 Brazil - Rio de Janeiro 17079  
V 17746 Brazil - Sao Paulo 17079
- V *Dorstenia aristeguieta* Cuatrec. 11120  
V 11120 Venezuela 11120
- I *Dorstenia astyanactis* Ake Assi  
I Côte d'Ivoire
- E *Dorstenia bahiensis* Klotzsch ex Fisch. & Mey 2383  
E 2383 Brazil - Rio de Janeiro 2383
- R *Dorstenia belizensis* C.C. Berg 9991  
R 11120 Belize 9991
- E *Dorstenia boliviana* C.C. Berg 11120  
E 11120 Bolivia 11120
- E *Dorstenia bonijesu* Carauta & Valente 11120  
E 11120 Brazil (east) 11120
- E *Dorstenia bowmaniana* Baker 2383  
E 11120 Brazil - Guanabara 16473  
E 11120 Brazil - Rio de Janeiro 16473
- Ex/E *Dorstenia brevipetiolata* C.C. Berg 11120  
Ex/E 11120 Brazil (east) 11120
- E *Dorstenia carautae* C.C. Berg 11120  
E 11120 Brazil (east) 11120
- E *Dorstenia cayapia* Vell. 17079  
E 17746 Brazil - Bahia (Porto Seguro) 17079  
E 17746 Brazil - Espirito Santo 17079  
E 17746 Brazil - Minas Gerais 17079  
E 17746 Brazil - Rio de Janeiro 17079  
E 17746 Brazil - Sao Paulo (Aparecida) 17079
- Ex/E *Dorstenia colombiana* Cuatrec. 11120
- Ex/E 11120 Colombia 11120
- Ex/E *Dorstenia conceptionis* Carauta 11120  
Ex/E 11120 Brazil (east) 11120
- E *Dorstenia contensis* Carauta & C.C. Berg 11120  
E 11120 Brazil (east) 11120
- I *Dorstenia crenulata* C. Wright 5607  
I 19105 Cuba (Guantanamo) 5607
- E *Dorstenia ekmanii* Urban 5607  
E 19105 Cuba (Cienfuegos; Villa Clara) 5607
- R *Dorstenia elata* Hook. 17079  
R 17746 Brazil - Espirito Santo 17079  
R 17746 Brazil - Minas Gerais (Mariana) 17079  
R 17746 Brazil - Rio de Janeiro 17079
- I *Dorstenia erythrandra* C. Wright 5607  
I 19105 Cuba (Guantanamo) 5607
- V *Dorstenia excentrica* Moric. 11120  
V 11120 Mexico 11120
- R *Dorstenia ficus* Vell. 17079  
R 17079 Brazil - Rio de Janeiro (Rio de Janeiro - Maciço do Gericinó) 17079
- E *Dorstenia fisheri* Bureau 17079  
E 17079 Brazil - Rio de Janeiro (Serra de Macaé) 17079
- V *Dorstenia gigas* Schweinf. 15534  
V 15534 Yemen - Socotra 15534
- R *Dorstenia gracilis* Carauta, Valente & Sucre 16473  
R 16473 Brazil - Espirito Santo 16473
- E *Dorstenia heringeri* Carauta & Valente 2383  
E 2383 Brazil (central) 2383
- E *Dorstenia hildegardis* Carauta, Valente & Benth. 11120  
E 11120 Brazil (east) 11120
- R *Dorstenia jamaicensis* Britton 20883, 13336  
R 13336 Jamaica (Manchester) 20883
- V *Dorstenia milaneziana* Carauta, Valente & Sucre 2383  
V 11120 Brazil - Espirito Santo 2383
- I *Dorstenia nipensis* Urban & Ekman 5607  
I 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E *Dorstenia nummularia* Urban & Ekman 5607  
E 19105 Cuba (Cienfuegos; Villa Clara) 5607
- E *Dorstenia panamensis* C.C. Berg 9992  
E 11120 Panama 9992
- I *Dorstenia peruviana* C.C. Berg 11120  
I 11120 Peru 11120
- I *Dorstenia poinsettifolia* Engl. var. *angularis* Hijman & C. Berg  
I Cameroon
- V *Dorstenia ramosa* (Desv.) Car. et al. 17079  
V 17079 Brazil - Rio de Janeiro 17079
- E *Dorstenia rocana* Britton 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- I *Dorstenia roigii* Britton 5607  
I 19105 Cuba (Pinar del Rio) 5607
- E *Dorstenia setosa* Moric. 11120  
E 11120 Brazil (east) 11120
- V *Dorstenia soerensenii* Friis 19704  
V 19704 Ethiopia (Ilubabor, Kefa) 19704
- I *Dorstenia tuberosa* C. Wright 5607  
I 19105 Cuba (Guantanamo) 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Moraceae: *Dorstenia*

- V** *Dorstenia turnraefolia* Fisch. & Mey 2383  
**V** 2383 Brazil (serras da Mar & da Mantiqueira) 2383
- E** *Dorstenia umbricola* A.C. Smith 11120  
**E** 11120 Peru 11120
- R** *Dorstenia urceolata* Schott 19567  
**R** 19567 Brazil - Rio de Janeiro 19567
- E** *Dorstenia uxpanapana* C.C. Berg & T. Wendt 11120  
**E** 11120 Mexico 11120
- R** *Ficus andamanica* Corner 7771  
**R** 14782 India - Andaman Is. (South Andaman Islands) 7771
- E** *Ficus aripanensis* C.C. Berg & F. Kooy ex Vaxquez Avila Et. al. 20081  
**E** 20081 Brazil - Mato Grosso 20081  
**E** 20081 Brazil - Pará 20081
- R** *Ficus bizanae* Hutch. & Burt Davy 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- V** *Ficus bojeri* Baker 14296  
**V** 19182 Seychelles (granitic) 14296
- R** *Ficus brevibracteata* W. Burger 9037  
**R** 19754 Costa Rica 9037
- R** *Ficus bullenei* I.M. Johnston 9037  
**R** 19754 Costa Rica 9037  
**R** 19754 Panama 9037
- R** *Ficus caldasiana* Dugand 9037  
**R** 19754 Costa Rica 9037  
**R** 19754 Colombia 9037
- R** *Ficus cataractarum* Vieill.  
**R** New Caledonia
- R** *Ficus caudato-longifolia* Sata 20854  
**R** 20854 Taiwan 20854
- I** *Ficus costata* Ait. 14736  
**I** 14736 India - Nicobar Is. 14736  
**I** 16162 Sri Lanka 7771
- R** *Ficus densifolia* Miq. 10082  
**R** 14220 Réunion 14220  
**Ex** 20771 Mauritius 10082
- I** *Ficus ekmanii* Rossb. 5607  
**I** 19105 Cuba (Santiago de Cuba) 5607
- V** *Ficus iidaiana* Rehder & Wilson 8037  
**V** 19134 Japan - Ogasawara-shoto 20626
- R** *Ficus laterisycce* W. Burger 9037  
**R** 19754 Costa Rica 9037
- R** *Ficus macrophylla* Desf. ex Pers. ssp. *columnaris* (C. Moore) P. Green 10604  
**R** 14225 Australia - NSW - Lord Howe Is. 10604
- I** *Ficus meizonochlamys* Rossb. 5607  
**I** 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R** *Ficus mexiae* Standley 20081  
**R** 20081 Brazil - Bahia 20081  
**R** 20081 Brazil - Minas Gerais 20081
- I** *Ficus muelleriana* C.C. Berg 21079  
**I** 21079 Mozambique 21079
- V** *Ficus mutabilis* Bureau 20893  
**V** 20893 New Caledonia 20893
- I** *Ficus nishimurae* Koidz. 8037  
**I** 19134 Japan - Kazan Reto 8622  
**V** 19134 Japan - Ogasawara-shoto 8037
- I** *Ficus oreslia* C. Berg  
**I** Cameroon
- V** *Ficus pseudopalma* Blanco 13780  
**V** 15960 Philippines 13780
- R** *Ficus reflexa* Thunb. ssp. *aldabrensis* (Baker) Berg 19181  
**R** 19182 Seychelles - Coralline Is. 14296
- R** *Ficus reflexa* Thunb. ssp. *seychellensis* (Baker) Berg 19182  
**R** 19182 Seychelles (granitic) 14296
- R** *Ficus tannoensis* Hayata 20854  
**R** 20854 Taiwan 20854
- V** *Ficus ulmifolia* Lam. 13780  
**V** 15960 Philippines 13780
- E** *Ficus ursina* Standley 20081  
**E** 20081 Brazil - Acre 20081
- R** *Helicostylis heterotricha* Ducke 20883  
**I** 20883 Brazil 20883  
**I** 21022 Brazil - Amazonas 21022
- R** *Helicostylis turbinata* Berg 20883  
**I** 20883 Brazil 20883
- I** *Maclura braziliensis* (Martius) Endl. 11120  
**I** 11120 Honduras 11120  
**V** 16826 Nicaragua 16826  
**I** 11120 Brazil (south-east) 21022  
**Ex** 20042 Peru 20042  
**I** 11120 Venezuela 11120
- R** *Malaisia scandens* (Lour.) Planchon ssp. *megacarpa* P. Green 10604  
**R** 10604 Australia - NSW - Lord Howe Is. 10604
- E** *Morus boninensis* Koidz. 8038  
**E** 18128 Japan - Ogasawara-shoto 20626
- E** *Naucleopsis chiguala* Benoist 20883, 11120  
**Ex/E** 11120 Ecuador 20883
- R** *Naucleopsis imitans* (Ducke) Berg 20883  
**I** 20883 Brazil 20883  
**I** 20883 Peru 20883
- R** *Naucleopsis inaequalis* (Ducke) Berg 20883  
**I** 20883 Brazil 20883
- E** *Naucleopsis jamariensis* Berg 20883, 11120  
**E** 20883 Brazil 20883
- R** *Naucleopsis macrophylla* Miquel 20883, 20513  
**I** 20883 Brazil 20883
- R** *Naucleopsis naga* Pittier 20883, 9037  
**V** 20883 Costa Rica 20883  
**V** 11120 Honduras 20883
- E** *Naucleopsis pseudo-naga* (Mildbraed) Berg 20883  
**E** 20883 Brazil 20883
- E** *Naucleopsis riparia* Berg 20883, 11120  
**E** 20883 Brazil 20883
- R** *Paratrophis smithii* Cheeseman  
**R** New Zealand - North Is.
- E** *Perebea glabrifolia* (Ducke) Berg 20883  
**E** 20883 Brazil 20883  
**E** 21022 Brazil - Amazonas 21022
- E** *Perebea guianensis* ssp. *hirsuta* Berg 20883  
**E** 20883 Brazil 20883
- E** *Perebea guianensis* ssp. *pseudopeltata* (Mildbraed) Berg 20883  
**I** 20883 Peru 20883

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Moraceae: *Perebea*

- V** *Perebea humilis* Berg 20883  
**I** 20883 Peru 20883
- V** *Perebea longepedunculata* Berg 20883  
**I** 20883 Peru 20883
- R** *Perebea tessmannii* Mildbraed 20883  
**I** 20883 Brazil 20883  
**I** 20883 Peru 20883
- R** *Pseudolmedia guaranitica* Hassler 20883  
**I** 20883 Paraguay 20883
- R** *Pseudolmedia hirtula* Kuhlmann 20883  
**I** 20883 Brazil (south-east & south) 21022
- R** *Pseudolmedia rigida* ssp. *araguensis*  
 Berg 20883  
**I** 20883 Venezuela 20883
- R** *Pseudolmedia rigida* ssp. *eggersii* (Standley)  
 Berg 20883  
**I** 20883 Ecuador 20883
- V** *Streblus sclerophyllus* Corner 20893  
**V** 20893 New Caledonia 20893
- V** *Trophis cuspidata* Lundell 9004  
**V** 11120 Guatemala 9004  
**V** 11120 Mexico 9004
- V** *Trophis involucrata* W. Burger 9037  
**V** 19754 Costa Rica 9037
- R** *Trymatococcus paraensis* Ducke 20883  
**I** 20883 Brazil 20883  
**I** 20883 Guyana 20883  
**I** 20883 Suriname 20883

### Morinaceae

Number of genera: 1  
 Number of species: 3  
 Recorded threatened species: 2 (15%)

Balkans to Himalaya and China.

- R** *Morina persica* L. ssp. *decussatifolia* Erik & Demirkus 12840  
**R** 12840 Turkey 12840
- I** *Morina subinervis* Boiss. 12840  
**I** 12840 Turkey 12840

### Moringaceae

Number of genera: 1  
 Number of species: 10  
 Recorded threatened species: 2 (20%)

Xeric Africa; Madagascar; India.

- I** *Moringa arborea* Verdc. 7959  
**I** 19109 Kenya (Ramu) 7959
- R** *Moringa drouhardii* Jum. 10368  
**R** 10368 Madagascar 10368

### Myoporaceae

Number of genera: 3-4  
 Number of species: 125  
 Recorded threatened species: 32 (25%)

Australia; Asia; Pacific islands; West Indies; northern South America.

- R** *Eremophila alatisepala* Chinnock 20681  
**R** 20681 Australia - Queensland 20681
- R** *Eremophila barbata* Chinnock 20681

- R** 20681 Australia - South Australia 20681
- R** *Eremophila biserrata* Chinnock 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Eremophila caerulea* (S.Moore) Diels ssp. *merrallii*  
 Chinnock ms. 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Eremophila denticulata* F.Muell. ssp. *denticulata* 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila denticulata* F.Muell. ssp. *trisulcata*  
 Chinnock ms. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Eremophila hillii* E.A.Shaw 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Western Australia 20681
- V** *Eremophila inflata* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila microtheca* F.Muell. ex Benth. 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Eremophila nivea* Chinnock 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Eremophila pentaptera* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- V** *Eremophila prostrata* Chinnock ms. 20681  
**V** 20681 Australia - Northern Territory 20681
- V** *Eremophila racemosa* Endl. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila resinosa* (Endl.) F.Muell. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Eremophila serpens* Chinnock 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Eremophila subteretifolia* Chinnock ms. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila ternifolia* Chinnock 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila tetraptera* C.White 20681  
**V** 20681 Australia - Queensland 20681
- E** *Eremophila veneta* Chinnock ms. 20681  
**E** 20681 Australia - Western Australia 20681
- Ex** *Eremophila vernicosa* Chinnock ms. 20681  
**Ex** 20681 Australia - Western Australia 20681
- E** *Eremophila verticillata* Chinnock 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Eremophila virens* C.Gardner 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Eremophila viscida* Endl. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Eremophila youngii* Chinnock ms. ssp. *lepidota*  
 Chinnock ms. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Myoporum bateae* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Myoporum boninense* Koiz. 19134  
**R** 18338 North Mariana Is. 18338  
**R** 19134 Japan - Ogasawara-shoto 19134  
**R** 18338 U.S. - Guam 18338
- V** *Myoporum cordifolium* (F.Muell.) Druce 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Myoporum floribundum* Cunn. ex Benth. 20681



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myoporaceae: *Myoporium*

- I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Victoria 20681
- R** *Myoporium laetum* Forst.f. var. *decumbens*  
 Simpson  
 R New Zealand - North Is.
- E** *Myoporium mauritianum* A. DC. 10082  
 Ex 20771 Mauritius 5852  
 E 5852 Mauritius - Rodrigues 5852
- R** *Myoporium obscurum* Endl. 11649  
 R 19108 Australia - Norfolk Is. 11649
- I** *Myoporium rimatarense* F.Brown 20845  
 I 20845 French Polynesia - Tubuai Is. (Rimatara) 20845
- E** *Myoporium stokesii* F.Brown 20845  
 E 20845 French Polynesia - Tubuai Is. (Rimatara) 20845
- E** *Myoporium turbinatum* Chinnock 20681  
 E 20681 Australia - Western Australia 20681

**Myricaceae**

Number of genera: 3  
 Number of species: 50  
 Recorded threatened species: 5 (10%)

Mostly temperate and subtropical.

- R** *Myrica adenophora* Hance var. *kusanoi*  
 Hayata  
 R 20854 Taiwan (south) 20854
- R** *Myrica calcicola* Proctor 19890  
 R 19890 Jamaica (Portland) 19486
- E** *Myrica holdridgeana* Lundell 20883  
 I 20883 Puerto Rico 20883
- V** *Myrica phanerodonta* Standley 9037  
 V 19754 Costa Rica 9037
- R** *Myrica rivas-martinezii* A. Santos 17891  
 R 20750 Spain - Canary Is. 17891

**Myristicaceae**

Number of genera: 15  
 Number of species: 300  
 Recorded threatened species: 19 (6%)

Tropical.

- I** *Gymnacranthera canarica* (King) Warb. 21141, 10150  
 I India - Karnataka 10150  
 I India - Kerala 10150
- V** *Horsfieldia hainanensis* Merr. 11139  
 V China - Hainan Is. 11139  
 V China - Guangxi (Longzhou) 11139
- V** *Horsfieldia iryaghedi* (Gaertn.) Warb. 12838  
 V 12838 Sri Lanka 12838
- I** *Horsfieldia macrocarpa* var. *canarioides* (King)  
 Sinclair 7771  
 I India - Andaman Is. 7771
- R** *Horsfieldia megacarpa* Merr. 13780  
 R 15960 Philippines 13780
- V** *Horsfieldia pandurifolia* Hu 17617  
 V 17617 China - Yunnan 11139
- E** *Horsfieldia tetratopala* C.Y. Wu & W.T. Wang 17617  
 E 17617 China - Yunnan (Menla; Jinghong; Changyu) 11139

- E** *Iryanthera megistocarpa* A. Gentry 20883, 9993  
 I 20883 Panama 20883
- V** *Knema bengalensis* de Wilde 21143, 14872  
 V 14872 Bangladesh 14872
- I** *Knema lateritica* Elm. 13833  
 I 13833 Philippines (low altitude) 13833
- E** *Myristica ceylanica* A. DC. 10276  
 E 12838 Sri Lanka 10276
- V** *Myristica dactyloides* Gaertn. 12838  
 V 20013 Sri Lanka 12838
- E** *Myristica malabarica* Lam. 21163, 20263, 21025  
 E 20263 India - Kerala 21163
- E** *Myristica yunnanensis* Y.H. Li 17617  
 E 17617 China - Yunnan (Menla) 11139
- E** *Otoba acuminata* (Standl.) A. Gentry 20883, 10747  
 I 20883 Panama 20883
- V** *Otoba parvifolia* (Mangraf) A. Gentry 18200  
 V 19977 Peru 18200
- E** *Viola megacarpa* A. Gentry 20883, 9993  
 I 20883 Panama 20883
- R** *Viola urbaniana* Warb. 19564  
 R 19564 Brazil - Goias 19564
- R** *Viola weberbaueri* Markgraf 18200  
 R 12468 Peru 18200

**Myrsinaceae**

Number of genera: 30  
 Number of species: 1,000  
 Recorded threatened species: 191 (19%)

Tropical and subtropical New and Old World; also temperate Old World.

- R** *Antistrophe serratifolia* (Beddome) Hook.f. 11494  
 R 11494 India - Kerala (Silent Valley; Nilgiris) 11494  
 R 11494 India - Tamil Nadu 11494
- I** *Ardisia alata* Fletch. 19120  
 I 19120 Thailand 19120
- V** *Ardisia alstonii* Lund. 20883, 9006  
 I 20883 Panama 20883
- I** *Ardisia amplexicaulis* Beddome  
 I India - Kerala
- V** *Ardisia antonensis* Lund. 20883, 9006  
 V 16317 Panama 20883
- R** *Ardisia bakeri* C.White 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- V** *Ardisia bartlettii* Lund. 20883, 9006  
 ? Costa Rica 10747  
 I 20883 Panama 20883
- R** *Ardisia bifaria* C.White & Francis 20681  
 R 20681 Australia - Queensland 20681
- I** *Ardisia biflora* King & Gamble  
 I Malaysia - Peninsular Malaysia (Perak)
- V** *Ardisia breedlovei* Lundell 20883  
 I 20883 Mexico 20883
- V** *Ardisia brenesii* Standley 9037  
 V 11212 Costa Rica 9037  
 V 11212 Nicaragua 11212
- R** *Ardisia brevicaulis* Diels var. *violacea* (Suzuki)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrsinaceae: *Ardisia*

Walker 20511

- R 20511 Taiwan 20511
- V *Ardisia brittonii* Stearn 20883, 13336  
V 13336 Jamaica 20883
- E *Ardisia byrsonimae* Stearn 20883, 13336  
E 13336 Jamaica 20883
- I *Ardisia confusa* K. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- V *Ardisia crassipes* Lund. 20883, 9006  
V 16317 Panama 20883
- I *Ardisia curvistylis* Yang 19120  
I 19120 Thailand 19120
- V *Ardisia darienensis* Lund. 20883, 9006  
V 16317 Panama 20883
- E *Ardisia dukei* Lundell 20883  
I 20883 Panama 20883
- E *Ardisia dwyeri* Lund. 20883  
I 20883 Panama 20883
- E *Ardisia fendleri* Lund. 20883  
I 20883 Panama 20883
- I *Ardisia ficifolia* L. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- I *Ardisia fimbriata* Fletch. 19120  
I 19120 Thailand 19120
- I *Ardisia fletcherii* R. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- I *Ardisia foliosa* Furt. 19209  
I 19209 Malaysia - Peninsular Malaysia 19209
- V *Ardisia furfuracella* Standl. 20883, 9006  
V 16317 Panama 20883
- V *Ardisia geniculata* Lund. 20883, 9006  
V 16317 Panama 20883
- V *Ardisia glomerata* Lund. 20883, 9006  
V 16317 Panama 20883
- I *Ardisia gracillima* K. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- V *Ardisia hagenii* Lund. 20883, 9006  
V 16317 Panama 20883
- V *Ardisia ionantha* K. Lars. et C.M. Hu 19120  
V 19120 Thailand 19120
- I *Ardisia iwahigensis* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- R *Ardisia jamaicensis* Lundell 20883  
R 20883 Jamaica 20883
- R *Ardisia kusukusensis* Hay. 20854  
R 20854 Taiwan 20854
- I *Ardisia lankawiensis* King & Gamble  
I Malaysia - Peninsular Malaysia
- V *Ardisia lewisii* Lund. 20883, 9006  
V 16317 Panama 20883
- E *Ardisia luquillensis* (Britt.) Alain 20883  
I 20883 Puerto Rico 20883
- I *Ardisia maehongsonia* K. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- E *Ardisia magdalenae* Stehlé 19001  
E 19001 Martinique (Montagne du Vauclin) 19001
- V *Ardisia maxonii* Standl. 20883, 9006  
I 20883 Panama 20883
- R *Ardisia melastomoides* Pitard 6057  
R Vietnam 6057
- I *Ardisia meiziana* King & Gamble  
I Malaysia - Peninsular Malaysia (Perak)
- R *Ardisia miaoliensis* 20854  
R 20854 Taiwan 20854
- V *Ardisia microcalyx* Lund. 20883, 9006  
V 16317 Panama 20883
- V *Ardisia nervosissima* Lund. 20883, 9006  
V 16317 Panama 20883
- E *Ardisia nigrata* Lund. 20883  
I 20883 Panama 20883
- V *Ardisia opaca* Lund. 20883, 9006  
V 16317 Panama 20883
- I *Ardisia pachyphylla* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I *Ardisia palawanensis* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- E *Ardisia panamensis* Lund. 20883, 9006  
V 11212 Panama 20883
- I *Ardisia paralleloneura* K. Lars et C.M. Hu 19120  
I 19120 Thailand 19120
- I *Ardisia patula* K. Lars et C.M. Hu 19120  
I 19120 Thailand 19120
- V *Ardisia philippinensis* A. DC. 10278  
V Philippines 10278
- I *Ardisia puberula* Fletch. 19120  
I 19120 Thailand 19120
- R *Ardisia pulchra* Ridley 881  
R 14224 Australia - Christmas Is. 881
- E *Ardisia pulverulenta* Mez 20883  
I 20883 Panama 20883
- I *Ardisia quinquangularis* A. DC.  
I India - Meghalaya
- R *Ardisia recliniflora* Pitard 6057  
R Vietnam 6057
- V *Ardisia reflexiflora* Lund. 20883, 9006  
V 16317 Panama 20883
- I *Ardisia rhynchophylla* C.B. Clarke  
I India - Meghalaya (Cherrapunji, Khasi Hills)
- R *Ardisia roseiflora* Pitard 6057  
R Vietnam 6057
- I *Ardisia rubro-glandulosa* Fletch. 19120  
I 19120 Thailand 19120
- I *Ardisia salvadorensis* Lundell 9065  
I 11218 El Salvador 9065
- V *Ardisia scheryi* Lund. 20883, 9006  
V 16317 Panama 20883
- V *Ardisia solomonii* (Lundell) Pipoly 9426  
V 11212 Costa Rica 9426
- R *Ardisia splendens* Pitard 6057  
R Vietnam 6057
- V *Ardisia squamulosa* Presl. 13780  
V 15960 Philippines 13780
- R *Ardisia stenosepala* 20854  
R 20854 Taiwan 20854
- V *Ardisia subsessilifolia* Lund. 20883, 9006  
V 16317 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrsinaceae: *Ardisia*

- I** *Ardisia tetramera* K. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- I** *Ardisia tumida* Furt. 19209  
I 19209 Malaysia - Peninsular Malaysia 19209
- V** *Ardisia tysonii* Lund. 20883, 9006  
V 16317 Panama 20883
- I** *Ardisia undulato-dentata* Fletch. 19120  
I 19120 Thailand 19120
- I** *Ardisia urbanii* Stearn 20883, 13336  
I 19890 Jamaica (Trelawny) 20883
- V** *Ardisia wedelii* Lundell 9006  
V 11212 Costa Rica 11212  
V 11212 Nicaragua 9006  
V 11212 Panama 9006
- V** *Ardisia whitei* Lund. 20883, 9006  
V 16317 Panama 20883
- E** *Badula balfouriana* (O. Kuntze) Mez 10082  
E 5852 Mauritius - Rodrigues 5852
- V** *Badula borbonica* A. DC. var. *borbonica* 10082  
V 10082 Réunion 10082
- E** *Badula borbonica* A. DC. var. *macrophylla* (Cordem.)  
Coode 10082  
E 10082 Réunion 10082
- E** *Badula crassa* A. DC. 10082, 21329  
Ex 10082 Réunion 10082  
E 20771 Mauritius 10082
- E** *Badula decumbens* (Cordem.) Coode 10082  
E 14233 Réunion 10082
- E** *Badula fragilis* Bosser & Coode 10082  
E 10082 Réunion 10082
- V** *Badula multiflora* A. DC. 10082  
V 20771 Mauritius 10082
- E** *Badula nitida* (Coode) Coode 10082  
E 14220 Réunion 10082
- Ex** *Badula ovalifolia* A. DC. 10082  
Ex 14233 Réunion 10082
- Ex/E** *Badula platyphylla* (A. DC.) Coode 10082, 21329  
Ex/E 20771 Mauritius 10082
- E** *Badula reticulata* A. DC. 10082, 21329  
E 20771 Mauritius 10082
- R** *Badula sieberi* A. DC. 10082  
R 20771 Mauritius 10082
- I** *Cybianthus colombianus* Pipoly 11589  
I 11589 Colombia 11589
- E** *Cybianthus magnus* (Mez) Pipoly ssp. *asymmetricus*  
(Mez) Pipoly 10323  
E 11589 Panama 10323  
E 11589 Colombia 10323  
E 11589 Ecuador 10323  
E 10323 Peru 10323
- R** *Cybianthus poeppigii* Mez 11212  
I 11212 Costa Rica 10323  
I 11212 Panama 10323  
I 11212 Colombia 10323  
R 18200 Peru 11212
- R** *Cybianthus rostratus* (Hassk) Agostini 19001  
R 19001 Martinique 19001
- I** *Discocalyx palawanensis* Elm. ex Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Elingamita johnsonii* Baylis 86  
R 19305 New Zealand - North Is. (Three Kings Island) 19305
- I** *Embelia calcarea* Fletcher  
I Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- R** *Embelia demissa* Cordem. 10082  
R 14233 Réunion 10082
- I** *Embelia disticha* Fletcher 19120  
I 19120 Thailand 19120
- I** *Embelia gardneriana* Wight  
I India - Tamil Nadu (Sispara Ghat, Nilgiri)
- I** *Embelia grandiflora* Fletcher 19120  
I 19120 Thailand 19120
- R** *Embelia grayi* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- V** *Embelia keniensis* R.E. Fries 20057  
V 20057 Kenya (Mt. Kenya, Tigonii) 20057
- I** *Embelia kerrii* Fletcher 19120  
I 19120 Thailand (Khao Yai) 19120
- I** *Embelia micrantha* (A. DC.) A. DC. 10082  
I 10082 Réunion 10082  
E 20771 Mauritius 10082
- I** *Embelia microcalyx* Kurz 7771  
I India - Nicobar Is. (Katchal Is.) 7771
- I** *Embelia sootepensis* Craib 19120  
I 19120 Thailand 19120
- R** *Geissanthus betancurii* Pipoly 21278  
R 21278 Colombia (Chocó) 21278
- V** *Heberdenia bahamensis* (Gaertn.) Sprague 17534  
V 17534 Spain - Canary Is. 17534
- V** *Heberdenia excelsa* (Aiton) Banks ex DC.  
V Portugal - Madeira  
V 19174 Spain - Canary Is. 19174
- R** *Maesa calophylla* Pitard 6057  
R Vietnam 6057
- I** *Maesa crenata* Fletch. 19120  
I 19120 Thailand 19120
- I** *Maesa glomerata* K. Lars. et C.M. Hu 19120  
I 19120 Thailand 19120
- I** *Maesa integrifolia* Ridl. 19120  
I 19120 Thailand 19120
- I** *Maesa lineolata* Fletch. 19120  
I 19120 Thailand 19120
- I** *Maesa megalobotrys* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Maesa nuda* Hutch. & Dalz. 7926  
R Guinea 7926  
R Senegal 8003
- I** *Maesa pahangiana* K. & G. 19209  
I 19209 Malaysia - Peninsular Malaysia (Pahang) 19209
- V** *Maesa sublanceolata* Fletch. 19120  
V 19120 Thailand 19120
- R** *Maesa vestita* Jacq.-Fel.  
R Guinea
- I** *Myrsine adamsonii* Fosberg & Sachet 20845  
I 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- I** *Myrsine andersonii* Fosberg & Sachet 20845  
I 20845 French Polynesia - Tubuai Is. (Tubuai, Raivavac,

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrsinaceae: *Myrsine*

- Rapa) 20845
- I** *Myrsine brownii* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Tubuai Is. (Tubuai, Raivavae) 20845
- V** *Myrsine canariensis* (Willd.) Spreng.  
**V** Spain - Canary Is.
- E** *Myrsine coclensis* Lund. 20883, 10747  
**I** 20883 Panama 20883
- V** *Myrsine degeneri* Hosaka 14209, 20850  
**I** 20850 U.S. - Hawaii 20850
- R** *Myrsine fernseei* (Mez) Hosaka 20850, 14209  
**R** 20850 U.S. - Hawaii (Kaua`i) 20850
- V** *Myrsine fosbergii* Hosaka 20850, 14209  
**V** 20850 U.S. - Hawaii (O`ahu) 20850
- I** *Myrsine gracilissima* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Hiva Oa) 20845
- R** *Myrsine grantii* Fosberg & Sachet var. *tobiiensis* Fosberg & Sachet 20845  
**R** 20845 French Polynesia - Marquesas Is (Nuku Hiva) 20845
- E** *Myrsine hartii* (M.Grant) Fosberg & Sachet 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti) 20845
- R** *Myrsine helleri* (O. & I. Deg.) St. John 20850, 14209  
**R** 20850 U.S. - Hawaii (Kaua`i) 20850
- V** *Myrsine hosakae* H. St. John 8050  
**V** 19185 Pitcairn (Henderson Is.) 8050
- E** *Myrsine juddii* Hosaka 20850, 14209  
**E** 20850 U.S. - Hawaii (Oahu - Ko`olau Mts.) 20850
- E** *Myrsine knudsenii* (Rock) Hosaka 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- E** *Myrsine linearifolia* Hosaka 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Myrsine longifolia* Nadeaud 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti) 20845
- I** *Myrsine magnoliifolia* 15229  
**I** 15229 Haiti (La Visite & Macaya National Parks) 15229
- E** *Myrsine mezii* Hosaka 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- I** *Myrsine obovata* (J.Moore) Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Society Is. (Raiatea) 20845
- V** *Myrsine okabeana* (Tuy.) Walker 8038  
**V** 19134 Japan - Ogasawara-shoto (Chichijima) 8038
- R** *Myrsine oliveri* Allan 86  
**R** 19305 New Zealand - North Is. (Three Kings Island) 19305
- I** *Myrsine orohenensis* (J.Moore) Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Society Is. (Tahiti) 20845
- R** *Myrsine ovalis* Nadeaud var. *ovalis* 20845  
**R** 20845 French Polynesia - Society Is. 20845
- E** *Myrsine petiolata* Hosaka 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Myrsine pillansii* Adamson 20604  
**R** 20604 South Africa - Cape Province 20604
- V** 20604 South Africa - Natal 20604  
**R** 20604 South Africa - Transvaal 20604
- I** *Myrsine raiateensis* (J.Moore) Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Society Is. (Raiatea) 20845
- R** *Myrsine resinosa* (A.C. Smith) Pipoly 21280  
**R** 21280 Guyana 21280
- E** *Myrsine ronuiensis* (M.Grant) Fosberg & Sachet 20845  
**E** 20845 French Polynesia - Society Is. (Tahiti) 20845
- E** *Myrsine sytsmae* Lund. 20883, 10747  
**I** 20883 Panama 20883
- I** *Myrsine tahuatensis* Fosberg & Sachet 20845  
**I** 20845 French Polynesia - Marquesas Is (Tahuata) 20845
- E** *Myrsine vaccinioides* W.L. Wagner, Herbst & Sohmer 20850  
**E** 20850 U.S. - Hawaii 20850
- I** *Myrsine vescoi* Drake 20845  
**I** 20845 French Polynesia - Society Is. (Tahiti) 20845
- V** *Parathesis amplifolia* Lund. 20883, 9006  
**V** 16317 Panama 20883
- R** *Parathesis aurantiaca* Lundell 9004  
**R** 10359 El Salvador 9004
- V** *Parathesis congesta* Lundell 11218  
**V** 10359 El Salvador 11218
- V** *Parathesis panamensis* Lund. 20883, 9006  
**V** 16317 Panama 20883
- R** *Parathesis rothschuhiana* Mez 11212  
**R** 11212 Nicaragua 11212
- V** *Parathesis seibertii* Lund. 20883, 9006  
**I** 20883 Panama 20883
- V** *Pleiomeris canariensis* (Willd.) A. DC. 20750  
**V** 17534 Spain - Canary Is. 17534
- E** *Rapanea allenii* Lund. 20883  
**I** 20883 Panama 20883
- E** *Rapanea gilliana* (Sond.) Mez 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Rapanea grandifolia* S. Moore  
**R** New Caledonia
- R** *Rapanea mcomishii* Sprague 14223  
**R** 14223 Australia - NSW - Lord Howe Is. 14223
- R** *Rapanea myrtilina* Mez  
**R** 14226 Australia - NSW - Lord Howe Is. 14226
- V** *Rapanea perforata* Mez 20883  
**V** 20883 Paraguay 20883
- R** *Rapanea platystigma* (F. Muell.) Mez  
**R** 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Rapanea ralstoniae* P. Green 10604  
**R** 19108 Australia - Norfolk Is. 10604
- E** *Rapanea seychellarum* Mez 14296  
**E** 14981 Seychelles (Mahé & Silhouette) 14296
- I** *Rapanea striata* Mez  
**I** India - Karnataka (Mysore)
- I** *Rapanea subpedicellata* Fletch. 19120  
**I** 19120 Thailand 19120
- I** *Rapanea thwaitesii* Mez  
**I** India - Tamil Nadu (Palani Hills, Madurai Dist)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrsinaceae: *Rapanea*

- R** *Rapanea umbellata* (Mart.) Mez. 20883, 15247  
**I** 20883 Brazil 20883  
 ? Brazil - Rio Grande do Sul (floresta do Alto Uruguai, floresta Pluvial Atlântica) 20311  
 ? Brazil - Santa Catarina 20310  
**R** 20883 Paraguay 20883
- I** *Stylogyne glomeruliflora* Cuatrec. 11589  
**I** 11589 Colombia 11589
- V** *Stylogyne hayesii* Mez 20883, 9006  
**V** 16317 Panama 20883
- I** *Stylogyne minutiflora* Cuatrec. 11589  
**I** 11589 Colombia 11589
- R** *Tapeinosperma amplexicaule* Mez  
**R** New Caledonia
- R** *Tapeinosperma aragoense* Guillaumin  
**R** New Caledonia
- V** *Tapeinosperma campanula* Mez 20893  
**V** 20893 New Caledonia 20893
- I** *Wallenia apiculata* Urban 5642  
**I** Dominican Republic (El Tetero, Azua) 5642
- R** *Wallenia calyptrata* Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Wallenia clusioides* (Griseb.) Mez 20883  
**R** 20883 Jamaica 20883
- R** *Wallenia corymbosa* Urb. 20883  
**R** 20883 Jamaica 20883
- R** *Wallenia crassifolia* Mez 20883  
**R** 20883 Jamaica 20883
- I** *Wallenia discolor* Urb. 20883, 13336  
**I** 13336 Jamaica 20883
- R** *Wallenia elliptica* Urb. 20883, 13336  
**R** 13336 Jamaica (St. Ann) 20883
- R** *Wallenia erythrocarpa* Urb. 20883, 13336  
**R** 13336 Jamaica 20883
- V** *Wallenia fawcettii* Mez 20883, 19890  
**R** 19890 Jamaica 20883
- R** *Wallenia grisebachii* Mez 20883  
**R** 20883 Jamaica 20883
- I** *Wallenia punctulata* Urb. 20883, 13336  
**I** 13336 Jamaica 20883
- R** *Wallenia purdieana* Mez 20883  
**R** 20883 Jamaica 20883
- R** *Wallenia sylvestris* Urb. 20883, 13336  
**R** 13336 Jamaica (Port., St. Thomas) 20883
- I** *Wallenia urbaniana* Mez 5642  
**I** Dominican Republic (Belladere) 5642
- R** *Wallenia venosa* Griseb. 20883  
**R** 20883 Jamaica 20883
- V** *Wallenia xylosteoides* (Griseb.) Mez 20883, 13336  
**V** 13336 Jamaica (St. Ann) 20883
- I** 20883 Peru 20883
- V** *Acca macrostema* (Ruiz & Pavon ex G. Don) McVaugh 20883  
**I** 20883 Peru 20883
- R** *Acmena divaricata* Merr. & Perry 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acmena mackinnoniana* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acmenosperma pringlei* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- E** *Amomyrtus luma* (Mol.) Legr. et Kausel 20176  
**E** 20176 Argentina - Chubut 20176  
**E** 20176 Argentina - Neuquen 20176  
**E** 20176 Argentina - Rio Negro 20176
- R** *Angophora crassifolia* (G. Leach) L.A.S.Johnson & K.Hill 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Angophora robur* L.A.S.Johnson & K.Hill 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Astartea intratropica* F.Muell. 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Asteromyrtus arnhemica* ? 20681  
**R** 20681 Australia - Northern Territory 20681
- E** *Aulomyrcia tomentosa* Almeda 20883, 10747  
**I** 20883 Panama 20883
- E** *Aulomyrcia zetekiana* (Standl.) Amshoff 20883, 9006  
**I** 20883 Panama 20883
- E** *Austromyrtus fragrantissima* (Benth.) Burret 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** *Austromyrtus gonoclada* (F.Muell.) Burret 20681  
**E** 20681 Australia - Queensland 20681
- V** *Austromyrtus horizontalis* (Pancher ex Brongn. & Gris) Burret 20802  
**V** 20893 New Caledonia 20802
- R** *Austromyrtus inophloia* (J.F.Bailey & C.White) Burret 20681  
**R** 20681 Australia - Queensland 20681
- R** *Austromyrtus lasioclada* (F.Muell.) L.S.Smith 20681  
**R** 20681 Australia - Queensland 20681
- V** *Austromyrtus lotoides* (Vieill. ex Guillaumin) Burret 20802  
**V** 20893 New Caledonia 20802
- R** *Austromyrtus lucida* (Gaertner) L.S.Smith 20681  
**R** 20681 Australia - Queensland 20681
- R** *Austromyrtus pubiflora* (C.White) L.S.Smith 20681  
**R** 20681 Australia - Queensland 20681
- R** *Backhousia anisata* Vickery 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Backhousia bancroftii* F.Muell. & Bailey 20681  
**R** 20681 Australia - Queensland 20681
- V** *Baeckea arbuscula* Benth. 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Baeckea camphorata* Sims 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Baeckea crenatifolia* F.Muell. 20681  
**R** 20681 Australia - Victoria 20681
- R** *Baeckea denticulata* Maiden & Betche 20681  
**R** 20681 Australia - New South Wales 20681

**Myrtaceae**

Number of genera: 140  
 Number of species: 3,000  
 Recorded threatened species: 747 (24%)

Tropical and subtropical; temperate Australia.

- V** *Acca lanuginosa* (Ruiz & Pavon ex G. Don) McVaugh 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Baeckea*

- R** *Barorgia lophandra* Peter G.Wilson & B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Callistemon acuminatus* Cheel 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Callistemon brevisepalus* J.Wyndham Dawson 20893  
**V** 20893 New Caledonia 20893
- R** *Callistemon chisholmii* Cheel 20681  
**R** 20681 Australia - Queensland 20681
- R** *Callistemon flavovirens* (Cheel) Cheel 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Callistemon formosus* S.T.Blake 20681  
**R** 20681 Australia - Queensland 20681
- R** *Callistemon linearifolius* (Link.) DC. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Callistemon pauciflorus* Spencer & Lumley 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Callistemon pearsonii* Spencer & Lumley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Callistemon pungens* P.F.Lumley & R.D.Spencer 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Callistemon shiressii* Blakely 20681  
**R** 20681 Australia - New South Wales 20681
- Ex** *Calothamnus accedens* T.J.Hawkeswood 20681  
**Ex** 20681 Australia - Western Australia 20681
- R** *Calothamnus graniticus* T.J.Hawkeswood ssp. *graniticus* 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Calothamnus pachystachyus* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Calothamnus rupestris* Schauer 20681  
**R** 20681 Australia - Western Australia 20681
- I** *Calycolpus excisus* (Urban) Bisse 11840  
**I** 19105 Cuba (Santiago de Cuba; Holguin) 11840
- V** *Calycorectes moana* Borh. & Muniz 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Calypttranthes acunae* Borh. & Muniz 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Calypttranthes acutissima* Urb. 20883, 13336  
**E** 19890 Jamaica (Hanover) 20883
- V** *Calypttranthes albicans* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- R** *Calypttranthes anacletoi* Borh. & Muniz 5607  
**R** 19105 Cuba (Guantanamo) 5607
- E** *Calypttranthes arenicola* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- V** *Calypttranthes baracoensis* Borh. 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Calypttranthes capitata* Proctor 20883, 13336  
**R** 19890 Jamaica (St. Ann, Clarendon) 20883
- E** *Calypttranthes clementis* Britton & Wilson 5607  
**E** 19105 Cuba 5607
- V** *Calypttranthes cristalensis* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Calypttranthes discolor* Urb. 20883, 13336  
**E** 20883 Jamaica (Hanover, Dolphin Head) 20883
- R** *Calypttranthes ekmanii* Urb. 20883, 13336
- R** 19890 Haiti (southwest) 18329  
**R** 13336 Jamaica (Port.) 20883
- E** *Calypttranthes elegans* Krug & Urban 19001  
**Ex/E** 19001 Martinique 19001  
**E** 19001 St Lucia 10199  
**E** 19001 St Vincent 10199
- V** *Calypttranthes ermitensis* Borh. 5607  
**V** 19105 Cuba (Guantanamo) 5607
- V** *Calypttranthes exasperata* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- R** *Calypttranthes flavo-viridis* Urban 5607  
**R** 19105 Cuba (Pinar del Rio) 5607
- R** *Calypttranthes kiaerskovii* Krug & Urban 15107  
**R** 15107 British Virgin Is. (Tortola) 15107
- V** *Calypttranthes krugii* Kiaersk. 20883  
**I** 20883 Puerto Rico 20883
- R** *Calypttranthes leonis* Borh. & Muniz 5607  
**R** 19105 Cuba (Guantanamo) 5607
- V** *Calypttranthes linearis* Alain 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Calypttranthes luquillensis* Alain 20883, 8058  
**I** 20883 Puerto Rico (Luquillo Mts.) 18551
- V** *Calypttranthes mayarensis* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Calypttranthes minutiflora* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Calypttranthes munizii* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- R** *Calypttranthes nodosa* Urb. 20883, 13336  
**R** 19890 Jamaica 20883
- E** *Calypttranthes peduncularis* Alain 20883, 8058  
**I** 20883 Puerto Rico 20883
- R** *Calypttranthes pocsiiana* Borh. 5607  
**R** 19105 Cuba (Holguin) 5607
- I** *Calypttranthes polyneura* Urban 5607  
**I** 19105 Cuba (Santiago de Cuba, Holguin) 5607
- E** *Calypttranthes portoricensis* Britt. 20883  
**I** 20883 Puerto Rico 20883
- E** *Calypttranthes pozasiana* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- V** *Calypttranthes pseudomoaensis* Borh. & Muniz 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Calypttranthes rostrata* Griseb. 5607  
**E** 19105 Cuba (Guantanamo) 5607
- E** *Calypttranthes thomasiana* Berg 20883, 8058  
**I** 20883 Puerto Rico (DS 2790: Vieques) 20883  
**I** 20883 USA - Virgin Is. (DS 2790: St Thomas) 20883
- I** *Calypttranthes toaensis* Borh. 5607  
**I** 19105 Cuba (Guantanamo) 5607
- E** *Calypttranthes triflora* Alain 20883  
**V** 19002 Puerto Rico 20883
- E** *Calypttranthes tumidonodia* Schery 20883, 9006  
**I** 20883 Panama 20883
- R** *Calypttranthes umbelliformis* Krug. & Urb. 20883  
**R** 20883 Jamaica 20883
- E** *Calypttranthes uniflora* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- R** *Calypttranthes wilsonii* Griseb. 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Calyptanthes*

- R 20883 Jamaica 20883
- V *Calyptanthes woodburyi* Alain 20883, 19002  
I 20883 Puerto Rico 20883
- E *Calytrix breviseta* Lindley ssp. *breviseta* 20681  
E 20681 Australia - Western Australia 20681
- R *Calytrix faucicola* Craven 20681  
R 20681 Australia - Northern Territory 20681
- V *Calytrix gurlmundensis* Craven 20681  
V 20681 Australia - Queensland 20681
- R *Calytrix inopinata* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Calytrix islensis* Craven 20681  
R 20681 Australia - Queensland 20681
- R *Calytrix micrairoides* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Calytrix mimiana* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Calytrix rupestris* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Calytrix smeatoniana* (F.Muell.) Craven 20681  
R 20681 Australia - South Australia 20681
- R *Calytrix surdiviperana* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Calytrix sylvana* Craven 20681  
R 20681 Australia - Western Australia 20681
- R *Calytrix verticillata* Craven 20681  
R 20681 Australia - Northern Territory 20681
- R *Campomanesia aurea* var. *hatschbachii* (Mattos) Legrand 20883  
I 20883 Brazil 20883  
I 20883 Uruguay 20883
- E *Campomanesia hirsuta* Gardner 20883  
E 20883 Brazil 20883  
? Brazil - Rio de Janeiro 11731
- E *Campomanesia laurifolia* Gardner 20883  
I 20883 Brazil 20883  
? Brazil - Rio de Janeiro 11731
- E *Campomanesia lundiana* (Kiaerskou) Mattos 20883  
E 20883 Brazil 20883  
Ex 11731 Brazil - Rio de Janeiro 11731
- V *Campomanesia neriiflora* (Berg) Niedenzu 20883  
I 20883 Brazil 20883  
? Brazil - Parana 11731  
? Brazil - Sao Paulo 11731
- E *Campomanesia pabstiana* Mattos & Legrand 20883  
E 20883 Brazil 20883  
? Brazil - Distrito Federal 11731
- R *Campomanesia phaea* (Berg) Landrum 20883  
I 20883 Brazil 20883  
? Brazil - Rio de Janeiro 11731  
? Brazil - Sao Paulo 11731
- E *Campomanesia prosthecesepala* Kiaerskou 20883  
E 20883 Brazil 20883  
? Brazil - Minas Gerais 11731
- R *Campomanesia reitziana* Legrand 20883, 20310  
I 20883 Brazil 20883  
? Brazil - Santa Catarina 20310
- V *Campomanesia rufa* (Berg) Niedenzu 20883  
I 20883 Brazil 20883  
? Brazil - Minas Gerais 11731
- V *Campomanesia schlechtendaliana* (Berg) Niedenzu 20883  
I 20883 Brazil 20883
- E *Campomanesia schlechtendaliana* (Berg) Niedenzu var. *rugosa* (Berg) Landrum 20883  
E 20883 Brazil 20883  
? Brazil - Rio de Janeiro (Cabo Frio) 11731
- V *Campomanesia schlechtendaliana* (Berg) Niedenzu var. *schlechtendaliana* 20883  
I 20883 Brazil 20883  
? Brazil - Parana 11731  
? Brazil - Rio de Janeiro 11731
- E *Campomanesia sessiliflora* var. *sessiliflora* 20883  
E 20883 Brazil 20883  
? Brazil - Sao Paulo 11731
- E *Campomanesia viatoris* Landrum 20883  
E 20883 Brazil 20883  
? Brazil - Alagoas 11731
- R *Campomanesia xanthocarpa* var. *littoralis* (Legrand) Landrum 20883  
I 20883 Brazil 20883  
? Brazil - Rio Grande do Sul 11731  
? Brazil - Santa Catarina 11731
- V *Chamelaucium erythrochlorum* N.G.Marchant & Keighery ms. 20681  
V 20681 Australia - Western Australia 20681
- E *Chamelaucium griffinii* N.G.Marchant & Keighery ms. 20681  
E 20681 Australia - Western Australia 20681
- V *Chamelaucium roycei* N.G.Marchant & Keighery 20681  
V 20681 Australia - Western Australia 20681
- R *Choricarpia subargentea* (C.White) L.A.S.Johnson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I *Cleistocalyx nicobaricus* (King) Merr. & Perry 7771  
I India - Nicobar Is. (Katchal Is.) 7771
- E *Cloezia aquarum* (Guillaumin) J.Wyndam Dawson 20893  
E 20893 New Caledonia 20893
- R *Cloezia deplanchei* Brongn. & Gris  
R New Caledonia
- V *Cupheanthus microphyllus* Guillaumin 20893  
V 20893 New Caledonia 20893
- V *Darwinia acerosa* Fitzg. 20681  
V 20681 Australia - Western Australia 20681
- E *Darwinia apiculata* N.G.Marchant 20681  
E 20681 Australia - Western Australia 20681
- V *Darwinia biflora* (Cheel) B.G.Briggs 20681  
V 20681 Australia - New South Wales 20681
- R *Darwinia briggsiae* Craven & S.R.Jones 20681  
R 20681 Australia - New South Wales 20681
- E *Darwinia carnea* C.Gardner 20681  
E 20681 Australia - Western Australia 20681
- V *Darwinia collina* C.Gardner 20681  
V 20681 Australia - Western Australia 20681
- R *Darwinia diminuta* B.G.Briggs 20681  
R 20681 Australia - New South Wales 20681
- E *Darwinia ferricola* N.G.Marchant & Keighery ms. 20681  
E 20681 Australia - Western Australia 20681
- R *Darwinia glaucophylla* B.G.Briggs 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Darwinia*

- R 20681 Australia - New South Wales 20681
- R *Darwinia grandiflora* (Benth.) R.Baker & H.G.Smith 20681  
R 20681 Australia - New South Wales 20681
- R *Darwinia hypericifolia* (Turcz.) Domin 20681  
R 20681 Australia - Western Australia 20681
- R *Darwinia lejostyla* (Turcz.) Domin 20681  
R 20681 Australia - Western Australia 20681
- V *Darwinia macrostegia* (Turcz.) Benth. 20681  
V 20681 Australia - Western Australia 20681
- V *Darwinia masonii* C.Gardner 20681  
V 20681 Australia - Western Australia 20681
- V *Darwinia meeboldii* C.Gardner 20681  
V 20681 Australia - Western Australia 20681
- V *Darwinia oxylepis* (Turcz.) N.G.Marchant & Keighery 20681  
V 20681 Australia - Western Australia 20681
- R *Darwinia peduncularis* B.G.Briggs 20681  
R 20681 Australia - New South Wales 20681
- R *Darwinia polycephala* C.Gardner 20681  
R 20681 Australia - Western Australia 20681
- R *Darwinia procera* B.G.Briggs 20681  
R 20681 Australia - New South Wales 20681
- R *Darwinia sanguinea* (Meisner) Benth. 20681  
R 20681 Australia - Western Australia 20681
- V *Darwinia squarrosa* (Turcz.) Domin 20681  
V 20681 Australia - Western Australia 20681
- V *Darwinia wittwerorum* N.G.Marchant & Keighery 20681  
V 20681 Australia - Western Australia 20681
- E *Eucalyptus absita* Grayling & Brooker 20681  
E 20681 Australia - Western Australia 20681
- R *Eucalyptus alligatrix* L.A.S.Johnson & K.Hill ssp. *alligatrix* 20681  
R 20681 Australia - Victoria 20681
- V *Eucalyptus alligatrix* L.A.S.Johnson & K.Hill ssp. *limaensis* Brooker, Slee & J.D.Briggs ms. 20681  
V 20681 Australia - Victoria 20681
- V *Eucalyptus alligatrix* L.A.S.Johnson & K.Hill ssp. *miscella* Brooker, Slee & J.D.Briggs ms. 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus apiculata* R.Baker & H.G.Smith 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus approximans* Maiden 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus aquatica* (Blakely) L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus aquilina* Brooker 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus archeri* Maiden & Blakely 20681  
R 20681 Australia - Tasmania 20681
- V *Eucalyptus argophloia* Blakely 20681  
V 20681 Australia - Queensland 20681
- V *Eucalyptus argutifolia* Grayling & Brooker 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus articulata* Brooker & Hopper 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus aspersa* Brooker & Hopper 20681
- R 20681 Australia - Western Australia 20681
- R *Eucalyptus badjensis* Beuzev. & Welch 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus baeuerlenii* F.Muell. 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus balanites* Grayling & Brooker 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus barberi* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - Tasmania 20681
- V *Eucalyptus beaniana* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - Queensland 20681
- V *Eucalyptus beardiana* Brooker & Blaxell 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus bennettiae* D.Carr & S.Carr 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus bensonii* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus benthamii* Maiden & Cambage 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus blaxellii* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus brachyphylla* C.Gardner 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus brevipes* Brooker 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus burdettiana* Blakely & Steedman 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus burgessiana* L.A.S.Johnson & Blaxell 20681, 16162  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus cadens* J.D.Briggs & Crisp 20681  
V 20681 Australia - Victoria 20681
- R *Eucalyptus caesia* Benth. ssp. *caesia* 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus caesia* Benth. ssp. *magna* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus calcicola* Brooker 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus caleyi* Maiden ssp. *ovendenii* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus camfieldii* Maiden 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus camphora* R.Baker ssp. *relicta* L.A.S.Johnson & K.Hill 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Eucalyptus cannonii* R.T.Baker 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus carnabyi* Blakely & Steedman 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus ceracea* Brooker & Done 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus cerasiformis* Brooker & Blaxell 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus cinerea* F.Muell. ex Benth. ssp. *triplex* (L.Johnson & K.Hill) Brooker, Slee & J.D.Briggs ms. 20681



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eucalyptus*

- I 20681 Australia - Capital Territory 20681  
 I 20681 Australia - New South Wales 20681
- V *Eucalyptus clandestina* A.R.Bean 20681  
 V 20681 Australia - Queensland 20681
- R *Eucalyptus codonocarpa* Blakely & McKie 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- V *Eucalyptus conglomerata* Maiden & Blakely 20681  
 V 20681 Australia - Queensland 20681
- E *Eucalyptus copulans* L.A.S.Johnson & K.Hill 20681  
 E 20681 Australia - New South Wales 20681
- R *Eucalyptus cordata* Labill. 20681  
 R 20681 Australia - Tasmania 20681
- V *Eucalyptus coronata* C.Gardner 20681  
 V 20681 Australia - Western Australia 20681
- R *Eucalyptus corynodes* A.R.Bean & Brooker 20681  
 R 20681 Australia - Queensland 20681
- E *Eucalyptus crenulata* Blakely & Beuzev. 20681  
 E 20681 Australia - Victoria 20681
- R *Eucalyptus cretata* P.Lang & Brooker 20681  
 R 20681 Australia - South Australia 20681
- V *Eucalyptus crispata* Brooker & Hopper 20681  
 V 20681 Australia - Western Australia 20681
- V *Eucalyptus crucis* Maiden ssp. *crucis* 20681  
 V 20681 Australia - Western Australia 20681
- E *Eucalyptus crucis* Maiden ssp. *praecipua* Brooker & Hopper 20681  
 E 20681 Australia - Western Australia 20681
- R *Eucalyptus cunninghamii* G.Don 20681  
 R 20681 Australia - New South Wales 20681
- E *Eucalyptus cuprea* Brooker & Hopper 20681  
 E 20681 Australia - Western Australia 20681
- R *Eucalyptus curtisii* Blakely & J.W.White 20681  
 R 20681 Australia - Queensland 20681
- R *Eucalyptus deflexa* Brooker 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus desmondensis* Maiden & Blakely 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus deuaensis* Boland & Gilmour 20681  
 R 20681 Australia - New South Wales 20681
- R *Eucalyptus disclosa* L.A.S.Johnson & Blaxell 20681  
 R 20681 Australia - Queensland 20681
- E *Eucalyptus dolerosa* Brooker & Hopper 20681  
 E 20681 Australia - Western Australia 20681
- R *Eucalyptus dolichorhyncha* (Brooker) Brooker & Hopper 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus dunnii* Maiden 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- R *Eucalyptus ebbanoensis* Maiden ssp. *photina* Brooker & Hopper 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus elaeophloia* Chappill, Crisp & Prober 20681  
 R 20681 Australia - Victoria 20681
- R *Eucalyptus erectifolia* Brooker & Hopper 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus exilipes* Brooker & Bean 20681
- R 20681 Australia - Queensland 20681
- R *Eucalyptus exilis* Brooker 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus fergusonii* R.Baker ssp. *dorsiventralis* 20681  
 R 20681 Australia - New South Wales 20681
- R *Eucalyptus formanii* C.Gardner 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus froggattii* Blakely 20681  
 R 20681 Australia - Victoria 20681
- R *Eucalyptus fusiformis* Boland & Kleinig 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- R *Eucalyptus georgei* Brooker & Blaxell ssp. *fulgida* Brooker & Hopper 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus georgei* Brooker & Blaxell ssp. *georgei* 20681  
 R 20681 Australia - Western Australia 20681
- R *Eucalyptus gilbertensis* (Maiden & Blakely) S.T.Blake 20681  
 R 20681 Australia - Queensland 20681
- V *Eucalyptus glaucina* (Blakely) L.A.S.Johnson 20681  
 V 20681 Australia - New South Wales 20681
- V *Eucalyptus goniantha* Turcz. ssp. *goniantha* 20681  
 V 20681 Australia - Western Australia 20681
- R *Eucalyptus gregsoniana* L.A.S.Johnson & Blaxell 20681  
 R 20681 Australia - New South Wales 20681
- V *Eucalyptus hallii* Brooker 20681  
 V 20681 Australia - Queensland 20681
- R *Eucalyptus howittiana* F.Muell. 20681  
 R 20681 Australia - Queensland 20681
- R *Eucalyptus hypostomatica* L.A.S.Johnson & K.Hill 20681  
 R 20681 Australia - New South Wales 20681
- V *Eucalyptus imlayensis* Crisp & Brooker 20681  
 V 20681 Australia - New South Wales 20681
- E *Eucalyptus impensa* Brooker & Hopper 20681  
 E 20681 Australia - Western Australia 20681
- V *Eucalyptus infera* A.R.Bean 20681  
 V 20681 Australia - Queensland 20681
- V *Eucalyptus insularis* Brooker 20681  
 V 20681 Australia - Western Australia 20681
- V *Eucalyptus johnsoniana* Brooker & Blaxell 20681  
 V 20681 Australia - Western Australia 20681
- V *Eucalyptus kabiana* L.A.S.Johnson & K.Hill 20681  
 V 20681 Australia - Queensland 20681
- V *Eucalyptus kartzoffiana* L.A.S.Johnson & Blaxell 20681  
 V 20681 Australia - New South Wales 20681
- R *Eucalyptus kitsoniana* Maiden 20681  
 R 20681 Australia - Victoria 20681
- R *Eucalyptus koolpinensis* Brooker & Dunlop 20681  
 R 20681 Australia - Northern Territory 20681
- R *Eucalyptus kruseana* F.Muell. 20681  
 R 20681 Australia - Western Australia 20681
- V *Eucalyptus langleyi* L.A.S.Johnson & Blaxell 20681  
 V 20681 Australia - New South Wales 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eucalyptus*

- R *Eucalyptus lansdowneana* F.Muell. & J.E.Brown ssp. *lansdowneana* 20681  
R 20681 Australia - South Australia 20681
- R *Eucalyptus largeana* Blakely & Beuzev. 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus latens* Brooker 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus lateritica* Brooker & Hopper 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus latuscula* (Blakely) L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus leprophloia* Brooker & Hopper 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus leptoloma* Brooker & A.R.Bean 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus ligulata* Brooker 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus lockyeri* Blaxell & K. Hill 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus lucens* Brooker & Dunlop 20681  
R 20681 Australia - Northern Territory 20681
- R *Eucalyptus luehmanniana* F.Muell. 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus macarthurii* Deane & Maiden 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus macrocarpa* Hook. ssp. *elachantha* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus malacoxylon* Blakely 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus mckieana* Blakely 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus melanoleuca* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus melanophitra* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus merrickiae* Maiden & Blakely 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus michaeliana* Blakely 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Eucalyptus microcodon* L.A.S.Johnson & K.Hill 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Eucalyptus mitchelliana* Cabbage 20681  
R 20681 Australia - Victoria 20681
- V *Eucalyptus mooreana* (Fitzg.) Maiden 20681  
V 20681 Australia - Western Australia 20681
- E *Eucalyptus morrisbyi* R.G.Brett 20681  
E 20681 Australia - Tasmania 20681
- R *Eucalyptus nandewarica* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus neglecta* Maiden 20681  
R 20681 Australia - Victoria 20681
- V *Eucalyptus nicholii* Maiden & Blakely 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus nigrifunda* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus olida* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus olivacea* Brooker & Hopper ms. 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus olsenii* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus pachycalyx* Maiden & Blakely ssp. *pachycalyx* 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus pachycalyx* Maiden & Blakely ssp. *waajensis* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - Queensland 20681
- V *Eucalyptus paedoglauca* L.A.S.Johnson & Blaxell 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus paliformis* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus parramattensis* C.Hall ssp. *decadens* L.A.S.Johnson & Blaxell 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus parvula* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus pendens* Brooker 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus percostata* Brooker & P.Lang 20681  
R 20681 Australia - South Australia 20681
- R *Eucalyptus petalophylla* Brooker & A.R. Bean 20681  
R 20681 Australia - Queensland 20681
- E *Eucalyptus phylacis* L.A.S.Johnson & K.Hill 20681  
E 20681 Australia - Western Australia 20681
- R *Eucalyptus pilbarensis* Brooker & Edgcombe 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus platydisca* L.A.S.Johnson & K.Hill ms. 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus pruiniramis* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus pulverulenta* Sims 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus pumila* Cabbage 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus quadricostata* Brooker 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus rameliana* F.Muell. 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus ravetiana* F.Muell. 20681  
V 20681 Australia - Queensland 20681
- E *Eucalyptus recurva* Crisp 20681  
E 20681 Australia - New South Wales 20681
- E *Eucalyptus rhodantha* Blakely & Steedman 20681  
E 20681 Australia - Western Australia 20681
- E *Eucalyptus rhodantha* Blakely & Steedman var. *petiolaris* Blakely & Steedman 20681  
E 20681 Australia - Western Australia 20681
- V *Eucalyptus rhodops* D.J.Carr & S.M.Carr 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus rhombica* A.R.Bean & Brooker 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus risdonii* Hook.f. 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eucalyptus*

- R 20681 Australia - Tasmania 20681
- V *Eucalyptus robertsonii* Blakely ssp. *hemisphaerica* 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus rubida* Deane & Maiden ssp. *barbigerorum* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus rubida* Deane & Maiden ssp. *canobolensis* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - New South Wales 20681
- V *Eucalyptus rubida* Deane & Maiden ssp. *septemflora* L.A.S.Johnson & K.Hill 20681  
V 20681 Australia - Victoria 20681
- R *Eucalyptus rubiginosa* Brooker 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus rudderi* Maiden 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus rudis* Endl. ssp. *cratyantha* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- R *Eucalyptus rummeryi* Maiden 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus saxatilis* Kirkpatr. & Brooker 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Eucalyptus scabrida* Brooker & A.R. Bean 20681  
R 20681 Australia - Queensland 20681
- V *Eucalyptus scoparia* Maiden 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus serpentinicola* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus sicilifolia* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - Queensland 20681
- R *Eucalyptus spectatrix* L.A.S.Johnson & K.Hill 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus sphaerocarpa* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - Queensland 20681
- V *Eucalyptus steedmanii* C.Gardner 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus stoatei* C.Gardner 20681  
R 20681 Australia - Western Australia 20681
- V *Eucalyptus strzeleckii* K.Rule 20681  
V 20681 Australia - Victoria 20681
- R *Eucalyptus sturgissiana* L.A.S.Johnson & Blaxell 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus suberea* Brooker & Hopper 20681  
V 20681 Australia - Western Australia 20681
- V *Eucalyptus synandra* Crisp 20681  
V 20681 Australia - Western Australia 20681
- R *Eucalyptus taurina* A.R.Bean & Brooker 20681  
R 20681 Australia - Queensland 20681
- V *Eucalyptus terrica* A.R.Bean 20681  
V 20681 Australia - Queensland 20681
- V *Eucalyptus tetrapleura* L.A.S.Johnson 20681  
V 20681 Australia - New South Wales 20681
- R *Eucalyptus triflora* (Maiden) Blakely 20681
- R 20681 Australia - New South Wales 20681
- V *Eucalyptus virens* Brooker & Bean 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus wilcoxii* Boland & Kleinig 20681  
R 20681 Australia - New South Wales 20681
- V *Eucalyptus xanthope* Bean & Brooker 20681  
V 20681 Australia - Queensland 20681
- R *Eucalyptus yarraensis* Maiden & Cambage 20681  
R 20681 Australia - Victoria 20681
- R *Eucalyptus youmanii* Blakely & McKie 20681  
R 20681 Australia - New South Wales 20681
- R *Eucalyptus zopherophioia* Brooker & Hopper 20681  
R 20681 Australia - Western Australia 20681
- E *Eugenia abbreviata* Urb. 20883, 13336  
E 19890 Jamaica 20883
- E *Eugenia aboukirensis* Proctor 20883, 13336  
E 19890 Jamaica (St. Ann) 20883
- E *Eugenia aceitillo* Urban 5607  
E 19105 Cuba (Granma) 5607
- E *Eugenia acunai* Alain 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- V *Eugenia acutisepala* Proctor 20883, 13336  
V 19890 Jamaica (St. Catherine) 20883
- V *Eugenia acutissima* Urban & Ekman 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Eugenia alexandri* Krug & Urb. 20883  
V 20883 Jamaica 20883
- E *Eugenia amblyophylla* Urban 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- E *Eugenia amoena* Thwaites 8021  
E 12838 Sri Lanka (Galle & Ratnapura) 8021
- R *Eugenia amplifolia* Urb. 20883  
R 20883 Jamaica 20883
- E *Eugenia anafensis* Britton & P. Wilson 5607  
E 19105 Cuba (Prov. Habana) 5607
- Ex/E *Eugenia argentea* Beddome 11494  
Ex/E 11494 India - Kerala (Wynad forests) 11494
- E *Eugenia atricha* Urban 5607  
E 19105 Cuba (Prov. Habana; Ciud. Habana) 5607
- E *Eugenia bayatensis* Urban 5607  
E 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E *Eugenia bellonis* Krug & Urban ex Urban 20883  
I 20883 Puerto Rico 20883
- E *Eugenia bojeri* Baker 10082, 21329  
E 20771 Mauritius 10082
- R *Eugenia brachytrix* Urb. 20883, 13336  
R 19890 Jamaica (Portland) 20883
- V *Eugenia brownei* Urb. 20883, 13336  
V 19890 Jamaica (St. Elizabeth) 20883
- I *Eugenia bryanii* (Kaneh.) Hosok.  
I 18338 U.S. - Guam 18338
- I *Eugenia castanea* Merr. 19209  
I 19209 Malaysia - Peninsular Malaysia (Perak, Johor) 19209
- E *Eugenia ceibana* Urban 5607  
E 19105 Cuba (Juventud Is.) 5607
- R *Eugenia chrootrichoides* Proctor 20883  
R 20883 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eugenia*

- E** *Eugenia chrysobalanoides* De. 19001  
 E 19001 Barbados 10199  
 E 19001 Guadeloupe 10199  
 E 19001 Martinique (l'Anse Couleuvre) 10199  
 E 19001 St Kitts - Nevis (Nevis) 10199
- R** *Eugenia clarendonensis* Urb. 20883  
 R 20883 Jamaica 20883
- V** *Eugenia copacabanensis* Kiaerskou 19560  
 V 19560 Brazil - Rio de Janeiro 19560
- I** *Eugenia cordata* (Swartz) DC. var. *sintensii*  
 (Kiaerskou) Krug & Urban 10199  
 I 10199 Dominica 10199
- I** *Eugenia cotinifolia* Jacq. ssp. *codyensis* (Munro ex  
 Wight) Ashton  
 I India - Karnataka (Coorg, south Canara)  
 I India - Kerala (Travancore)  
 I India - Tamil Nadu (Nilgiri Hills)
- E** *Eugenia cotinifolia* Jacq. ssp. *phylyraeoides*  
 (Trimen) P. Ashton 8021  
 E 20013 Sri Lanka (Laggala, Matale) 8021
- V** *Eugenia crassicaulis* Proctor 20883, 13336  
 V 19890 Jamaica (Portland) 20883
- E** *Eugenia crassipetala* Guého & A.J. Scott 10082  
 E 20771 Mauritius 10082
- V** *Eugenia crenata* O. Berg 20883  
 V 20883 Jamaica 20883
- E** *Eugenia daenikeri* Guillaumin 20893  
 E 20893 New Caledonia 20893
- E** *Eugenia discifera* Gamble 1172  
 E 11494 India - Kerala 11494  
 E 11494 India - Tamil Nadu (Sethur Hills, Kamarajar  
 Dt) 11494
- R** *Eugenia disticha* (Sw.) DC. 20883  
 R 20883 Jamaica 20883
- E** *Eugenia duplicata* Britton & P. Wilson 5607  
 E 19105 Cuba (Prov. Habana) 5607
- E** *Eugenia eggersii* Kiaersk. 20883  
 I 20883 Puerto Rico 20883
- R** *Eugenia elliptica* Lam. 10082  
 R 20771 Mauritius 10082
- V** *Eugenia eperforata* Urb. 13336  
 V 19890 Jamaica (St. Ann) 19890
- V** *Eugenia eriantha* Urban 5607  
 V 19105 Cuba (Granma) 5607
- V** *Eugenia ericoides* Guillaumin 20893  
 V 20893 New Caledonia 20893
- R** *Eugenia erythrophylla* Strey 20604  
 R 20604 South Africa - Cape Province 20604  
 R 20604 South Africa - Natal 20604
- R** *Eugenia eurycheila* Berg 8679  
 R 8679 Guyana 8679
- R** *Eugenia fasciculata* Guého & A.J. Scott 10082  
 R 20771 Mauritius 10082
- I** *Eugenia floccosa* Beddome 6987  
 I 6987 India - Tamil Nadu 6987
- I** *Eugenia fulva* Thwaites 8021  
 I 16162 Sri Lanka 8021
- V** *Eugenia gatopensis* Guillaumin 20893  
 V 20893 New Caledonia 20893
- R** *Eugenia gigantea* Ridley 881  
 R 14224 Australia - Christmas Is. 881
- I** *Eugenia glabra* Alston 8021  
 I 16162 Sri Lanka (Galle) 8021
- E** *Eugenia grifensis* Urban 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- V** *Eugenia gryosperma* Krug & Urban 8767  
 V 19001 Martinique (Montagne du Vaucelin) 19001
- E** *Eugenia guanensis* Urban 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- V** *Eugenia haematocarpa* Alain 20883, 10197  
 V 20883 Puerto Rico 20883
- E** *Eugenia hanoverensis* Proctor 20883, 13336  
 E 13336 Jamaica 20883
- R** *Eugenia harrisii* Krug & Urb. 20883  
 R 20883 Jamaica 20883
- I** *Eugenia harrisii* Krug & Urb. var. *grandifolia* Krug  
 & Urb. 20883, 13336  
 I 19890 Jamaica 20883
- R** *Eugenia harrisii* Krug & Urb. var.  
*harrisii* 20883  
 R 20883 Jamaica 20883
- R** *Eugenia hastilis* (Blume) Guého & A.J. Scott 10082  
 R 20771 Mauritius 10082
- V** *Eugenia heterochroa* Urb. 20883, 13336  
 V 19890 Jamaica (Clarendon) 20883
- R** *Eugenia hodgsei* McVaugh 10199  
 R 19001 Dominica 10199  
 R 19001 Martinique 19001
- R** *Eugenia howardiana* Proctor 13336  
 R 19890 Jamaica (Manchester, St. Ann) 19890
- E** *Eugenia ignota* Britton & P. Wilson 5607  
 E 19105 Cuba (Juventud Is.) 5607
- R** *Eugenia ilhensis* Berg. 20883  
 I 20883 Brazil 20883  
 R 20883 Paraguay 20883
- E** *Eugenia insignis* Thwaites 12838  
 E 12838 Sri Lanka 12838
- V** *Eugenia isosticta* Urb. 20883  
 V 20883 Jamaica 20883
- E** *Eugenia iteophylla* Krug & Urban 5607  
 E 19105 Cuba (Santiago de Cuba) 5607
- R** *Eugenia jamaicensis* O. Berg 20883  
 R 20883 Jamaica 20883
- I** *Eugenia jeremiensis* Urb. & Ekman 20883, 13336  
 I 19890 Haiti (southwest) 18329  
 V 13336 Jamaica 20883
- I** *Eugenia jossinia* Duthie  
 I 6987 India - Tamil Nadu
- V** *Eugenia kaalensis* Guillaumin 20893  
 V 20893 New Caledonia 20893
- E** *Eugenia kellyana* Proctor 20883, 13336  
 E 13336 Jamaica 20883
- E** *Eugenia koolauensis* O. Deg. 20850, 14209, 21357  
 E 20850 U.S. - Hawaii (Oahu - Ko'olau Mts.)  
 20850
- R** *Eugenia lamprophylla* Urb. 20883, 13336  
 R 19890 Jamaica (central) 20883
- V** *Eugenia laurae* Proctor 20883, 13336  
 V 13336 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eugenia*

- V** *Eugenia libanensis* Urban 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Eugenia mabaeoides* Wight ssp. *mabaeoides* 8021  
**R** 20013 Sri Lanka 8021
- I** *Eugenia mabaeoides* Wight ssp. *pedunculata* (Trimen) P. Ashton 8021  
**I** 16162 Sri Lanka (Rangala, Kandy District) 8021
- V** *Eugenia mackeeana* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- V** *Eugenia mandevillensis* Urb. 20883  
**I** 20883 Jamaica 20883
- R** *Eugenia mandevillensis* Urb. var. *mandevillensis* Urb. 20883. 13336  
**R** 19890 Jamaica (Manchester) 20883
- V** *Eugenia mandevillensis* Urb. var. *perratonii* (Proctor) Proctor 20883  
**V** 20883 Jamaica 20883
- R** *Eugenia marchiana* Griseb. 20883  
**R** 20883 Jamaica 20883
- I** *Eugenia margarettae* Alain 8058  
**I** 19002 Puerto Rico 8058
- V** *Eugenia moensis* Britton & P. Wilson 5607  
**V** 19105 Cuba (Holguin; Guantanamo) 5607
- E** *Eugenia mollifolia* Urban 5607  
**E** 19105 Cuba (Ciud. Habana) 5607
- V** *Eugenia naguana* Urban 5607  
**V** 19105 Cuba (Granma) 5607
- I** *Eugenia nemestrina* Hend. 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Terengganu, Pahang) 19209  
**V** 20099 Singapore
- E** *Eugenia nesiotica* Standl. 20883, 9006  
**E** 20883 Panama 20883
- V** *Eugenia nicholsii* F. & R. 20883, 13336  
**V** 19890 Jamaica (St. Andrew, Portland) 20883
- V** *Eugenia noumeensis* Guillaumin 20802  
**V** 20893 New Caledonia 20802
- I** *Eugenia octopleura* Krug & Urban 10199  
**I** Dominica 10199  
**E** 19001 Martinique (hauteur de socomor) 19001
- R** *Eugenia ogoouensis* Amshoff  
**R** Gabon
- E** *Eugenia oligadenia* Urban 5607  
**E** Cuba (Granma) 5607
- I** *Eugenia palumbis* Merr.  
**I** 18338 U.S. - Guam 18338
- V** *Eugenia peninsularis* Urban 5607  
**V** 19105 Cuba (Granma) 5607
- V** *Eugenia perforata* Urb. 20883  
**V** 20883 Jamaica 20883
- V** *Eugenia phyllocardia* Urban 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- E** *Eugenia pinariensis* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- R** *Eugenia pollicina* Guého & A.J. Scott 10082  
**R** 20771 Mauritius 10082
- E** *Eugenia polypora* Urb. 20883, 13336  
**E** 19890 Jamaica (Hanover) 20883
- E** *Eugenia pozasia* Urban & Ekman 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- R** *Eugenia pseudomato* Legr. 20176  
**R** 20176 Argentina - Tucuman 20176
- E** *Eugenia psiloclada* Urban 5607  
**E** 19105 Cuba (Holguin) 5607
- I** *Eugenia pusilla* N.E.Br. 20604  
**I** 20604 South Africa - Transvaal 20604
- V** *Eugenia pycnoneura* Urb. 20883, 13336  
**V** 19890 Jamaica (Portland) 20883
- I** *Eugenia quadrata* King 19209  
**I** 19209 Malaysia - Peninsular Malaysia (Perak) 19209
- E** *Eugenia rendlei* Urb. 20883, 13336  
**E** 19890 Jamaica (St. Thomas) 20883
- I** *Eugenia rivulorum* Thwaites 8021  
**I** 16162 Sri Lanka 8021
- V** *Eugenia rocana* Britton & P. Wilson 5607  
**V** 19105 Cuba (Pinar del Rio; Prov. Habana) 5607
- E** *Eugenia rodriguesensis* Guého & A.J. Scott 10082  
**E** 5852 Mauntius - Rodrigues 5852
- E** *Eugenia roigii* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- R** *Eugenia rotundata* Trimen 8021  
**R** 20013 Sri Lanka 8021
- I** *Eugenia rufo-fulva* Thwaites 8021  
**I** 16162 Sri Lanka 8021
- E** *Eugenia sachetae* Proctor 20883, 13336  
**E** 19890 Jamaica (Trelawny) 20883
- E** *Eugenia salamancana* Standl. 20883, 9006  
**I** 20883 Panama 20883
- V** *Eugenia schultzi* Urb. 20883  
**V** 20883 Jamaica 20883
- E** *Eugenia sebastiani* Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- E** *Eugenia serrei* Urban 5607  
**E** 19105 Cuba (Habana) 5607
- V** *Eugenia shaferi* Urban 5607  
**V** 19105 Cuba (Camaguey) 5607
- R** *Eugenia sieberi* Guého & A.J. Scott 10082  
**R** 20771 Mauritius 10082
- V** *Eugenia simii* Dummer 20604  
**V** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Natal 20604  
**?** South Africa - Transvaal 20604
- Ex/E** *Eugenia singampattiana* Beddome 11494  
**Ex/E** 11494 India - Tamil Nadu (Papanasam & Singampatti) 11494
- V** *Eugenia sloanei* Urb. 20883  
**V** 20883 Jamaica 20883
- V** *Eugenia stahlii* (Kiaersk.) Krug & Urban ex Urban 20883  
**I** 20883 Puerto Rico 20883
- V** *Eugenia stenoptera* Urban 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Eugenia stewardsonii* Britt. 20883  
**I** 20883 Puerto Rico 20883
- V** *Eugenia sulcivenia* Krug & Urb. 20883, 13336  
**V** 19890 Jamaica (St. Andrew) 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Eugenia*

- V *Eugenia tabouensis* Aubrev. 7926  
V 20887 Côte d'Ivoire (Bas-Cavally) 7926
- E *Eugenia terpnophylla* Thwaites 8021  
E 12838 Sri Lanka 8021
- R *Eugenia tholloni* Amshoff  
R Gabon
- R *Eugenia tinifolia* Lam. 10082  
R 20771 Mauritius 10082
- R *Eugenia umtamvunensis* A.E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- E *Eugenia underwoodii* Britt. 20883  
I 20883 Puerto Rico 20883  
Ex/E 19934 British Virgin Is. (Guana) 19934
- V *Eugenia vaughanii* Guého & A.J. Scott 10082  
V 20771 Mauritius 10082
- R *Eugenia verdoorniae* A.E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- V *Eugenia victorini* Alain 5607  
V 19105 Cuba (Juventud Is.) 5607
- R *Eugenia virgultosa* (Sw.) DC. 20883  
I 20883 Jamaica 20883
- V *Eugenia virotii* Guillaumin 20893  
V 20893 New Caledonia 20893
- R *Eugenia websteri* Proctor 20883  
R 20883 Jamaica 20883
- R *Eugenia wilsonella* F. & R. 20883  
R 20883 Jamaica 20883
- E *Eugenia woodburyana* Alain 20883, 19002  
I 20883 Puerto Rico 20883
- V *Eugenia woodfrediana* Urban 5607  
V 19105 Cuba (Holguin) 5607
- R *Eugenia zeyheri* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- R *Homoranthus biflorus* Craven & S.R.Jones 20681  
R 20681 Australia - New South Wales 20681
- R *Homoranthus cernuus* (R.Baker) Craven & S.R.Jones 20681  
R 20681 Australia - New South Wales 20681
- V *Homoranthus darwinioides* (Maiden & Betche) Cheel 20681  
V 20681 Australia - New South Wales 20681
- R *Homoranthus decasetus* Byrnes 20681  
R 20681 Australia - Queensland 20681
- V *Homoranthus decumbens* (Byrnes) Craven & S.R.Jones 20681  
V 20681 Australia - Queensland 20681
- R *Homoranthus floydii* Craven & S.R.Jones 20681  
R 20681 Australia - New South Wales 20681
- V *Homoranthus lunatus* Craven & S.R.Jones 20681  
V 20681 Australia - New South Wales 20681
- R *Homoranthus melanostictus* Craven & S.R.Jones 20681  
R 20681 Australia - Queensland 20681
- V *Homoranthus montanus* Craven & S.R.Jones 20681  
V 20681 Australia - Queensland 20681
- R *Homoranthus papillatus* Byrnes 20681  
R 20681 Australia - Queensland 20681
- V *Homoranthus porteri* (C.White) Craven & S.R.Jones 20681  
V 20681 Australia - Queensland 20681
- V *Homoranthus prolixus* Craven & S.R.Jones 20681  
V 20681 Australia - New South Wales 20681
- R *Homoranthus thomasii* (Benth.) Craven & S.R.Jones 20681  
R 20681 Australia - Queensland 20681
- R *Homoranthus tropicus* Byrnes 20681  
R 20681 Australia - Queensland 20681
- R *Homoranthus zeteticorum* Craven & S.R.Jones 20681  
R 20681 Australia - Queensland 20681
- E *Hypocalymma longifolium* F.Muell. 20681, 14223  
E 20681 Australia - Western Australia 20681
- I *Jambosa beddomei* (Duthie) Gamble  
I India - Tamil Nadu
- I *Jambosa bourdillonii* Gamble  
I India - Kerala (Travancore Hills)
- I *Jambosa courtallensis* Gamble  
I India - Tamil Nadu (Tirunelveli District)
- V *Jambosa longifolia* Brongn. & Gris.  
V New Caledonia
- I *Jambosa rama-varma* (Bourd.) Gamble  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Tirunelveli Hills)
- I *Krokia leonis* Borh. & Muniz 5607  
I 5607 Cuba 5607
- I *Krokia pilotoana* (Urban) Borh. 5607  
I 5607 Cuba 5607
- R *Kunzea bracteolata* Maiden & Betche 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Kunzea cambagei* Maiden & Betche 20681  
V 20681 Australia - New South Wales 20681
- R *Kunzea flavescens* C.White & Francis 20681  
R 20681 Australia - Queensland 20681
- R *Kunzea graniticola* Byrnes 20681  
R 20681 Australia - Queensland 20681
- V *Kunzea pauciflora* Schauer 20681  
V 20681 Australia - Western Australia 20681
- V *Kunzea rupestris* Blakely 20681  
V 20681 Australia - New South Wales 20681
- R *Legrandia concinna* (R. A. Philippi) Kausel 20883, 15088  
R 20883 Chile 20883
- R *Leptospermum argenteum* J.Thompson 20681  
R 20681 Australia - New South Wales 20681
- R *Leptospermum blakelyi* J.Thompson 20681  
R 20681 Australia - New South Wales 20681
- R *Leptospermum crassifolium* J.Thompson 20681  
R 20681 Australia - New South Wales 20681
- V *Leptospermum deanei* J.Thompson 20681  
V 20681 Australia - New South Wales 20681
- R *Leptospermum deunense* J.Thompson 20681  
R 20681 Australia - New South Wales 20681
- R *Leptospermum epacridoides* Cheel 20681  
R 20681 Australia - New South Wales 20681
- R *Leptospermum luehmannii* Bailey 20681  
R 20681 Australia - Queensland 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Leptospermum*

- R** *Leptospermum namadgiensis* Lyne 20681  
**I** 20681 Australia - Capital Territory 20681  
**I** 20681 Australia - New South Wales 20681
- R** *Leptospermum oreophilum* J.Thompson 20681  
**R** 20681 Australia - Queensland 20681
- R** *Leptospermum pallidum* A.R.Bean 20681  
**R** 20681 Australia - Queensland 20681
- R** *Leptospermum petraeum* J.Thompson 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Leptospermum purpurascens* J.Thompson 20681  
**R** 20681 Australia - Queensland 20681
- R** *Leptospermum rupicola* J.Thompson 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Leptospermum spectabile* J.Thompson 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Leptospermum subglabratum* J.Thompson 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Leptospermum thompsonii* J.Thompson 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Leptospermum venustum* A.R.Bean 20681  
**R** 20681 Australia - Queensland 20681
- R** *Leptospermum wooroonooran* Bailey 20681  
**R** 20681 Australia - Queensland 20681
- E** *Marlierea sintenisii* Kiaersk. 20883, 10197  
**V** 19002 Puerto Rico 20883
- R** *Melaleuca basicephala* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Melaleuca cheelii* C.White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Melaleuca cliffortioides* Diels 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Melaleuca corrugata* Eardley 20681  
**I** 20681 Australia - Northern Territory 20681  
**I** 20681 Australia - South Australia 20681
- R** *Melaleuca deanei* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Melaleuca fissurata* Barlow 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Melaleuca gnidioides* Brongn. & Gris 20893  
**V** 20893 New Caledonia 20893
- R** *Melaleuca groveana* Cheel & C.White 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Melaleuca howeana* Cheel  
**R** 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Melaleuca kunzeoides* Byrnes 20681  
**V** 20681 Australia - Queensland 20681
- R** *Melaleuca pustulata* Hook.f. 20681  
**R** 20681 Australia - Tasmania 20681
- V** *Melaleuca sciotostyla* Barlow 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Melaleuca tortifolia* Byrnes 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Meteoromyrtus wynaadensis* (Beddome) Gamble 14782  
**E** 14782 India - Tamil Nadu 14782
- E** *Metrosideros bartlettii* 19305  
**E** 19305 New Zealand - North Is. (Northland) 20625
- E** *Metrosideros boninensis* (Hayata ex Koidz.)  
**Tuyama** 8038  
**E** 19134 Japan - Ogasawara-shoto 20626
- E** *Metrosideros carminea* W. Oliver 86  
**E** New Zealand - North Is.
- V** *Metrosideros cherrieri* J. Wyndham Dawson 20893  
**V** 20893 New Caledonia 20893
- R** *Metrosideros dolichandra* Schlechter  
**R** New Caledonia
- R** *Metrosideros gregoryi* Christoph. 7925  
**R** Western Samoa (Savaii) 7925
- R** *Metrosideros humboldtiana* Guillaumin 20893  
**R** 20893 New Caledonia 20893
- V** *Metrosideros longipetiolata* J. Wyndham Dawson 20893  
**V** 20893 New Caledonia 20893
- R** *Metrosideros nervulosa* C. Moore & F. Muell.  
**R** 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Metrosideros polymorpha* Gaud. var. *newellii* (Rock) St. John 20850, 14209  
**R** 20850 U.S. - Hawaii (Hawai'i) 20850
- V** *Metrosideros punctata* J. Wyndham Dawson 20893  
**V** 20893 New Caledonia 20893
- E** *Metrosideros tetrasticha* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- V** *Micromyrtus blakelyi* J.W.Green 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Micromyrtus minutiflora* Benth. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Mitranthes clarendonensis* (Proctor) Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Mitranthes glabra* Proctor 20883  
**V** 20883 Jamaica 20883
- E** *Mitranthes macrophylla* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- I** *Mitranthes maxonii* (Britton & Urban) Proctor 20883, 13336  
**I** 13336 Jamaica 20883
- V** *Mitranthes nivea* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Mitrantia bilocularis* Peter G.Wilson & B.Hyland 20681  
**V** 20681 Australia - Queensland 20681
- R** *Monimiastrum acutisepalum* Guého & A.J. Scott 10082  
**R** 20771 Mauritius 10082
- Ex** *Monimiastrum fasciculatum* Guého & A.J. Scott 10082  
**Ex** 20771 Mauritius 10082
- R** *Monimiastrum pixidatum* Guého & A.J. Scott 10082  
**R** 20771 Mauritius 10082
- R** *Monimiastrum psidioideum* Guého & A.J. Scott 10082  
**R** 20771 Mauritius 10082
- E** *Mosiera flavicans* (Urban & Ekman) Bisse ssp. *pastelillensis* (Urban) Bisse 11840  
**E** 19105 Cuba 19105
- E** *Mozartia emarginata* Mold. 5607  
**E** 19105 Cuba (Holguin) 5607
- I** *Mozartia maestrensis* Urban 11840  
**I** 20990 Cuba (Oriente) 11840
- E** *Mozartia oligostemon* Urban 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Mozartia*

- E 19105 Cuba (Cienfuegos; Villa Clara) 5607
- V *Myrceugenia acutiflora* (Kiaerskou) Legrand & Kausel 20883  
I 20883 Brazil 20883
- R *Myrceugenia alpigena* (D.C.) Landrum var. *alpigena* 20883  
R 20883 Brazil 20883
- E *Myrceugenia alpigena* (D.C.) Landrum var. *longifolia* (Burret) Landrum 20883  
E 20883 Brazil 20883
- R *Myrceugenia bracteosa* (A. P. de Candolle) Legrand & Kausel 20883  
R 20883 Brazil 20883
- E *Myrceugenia brevipedicellata* (Burret) Legrand & Kausel 20883  
E 20883 Brazil 20883
- E *Myrceugenia colchaguensis* (R. A. Philippi) Navas 20883, 13875  
E 20883 Chile 20883
- V *Myrceugenia correifolia* (Hooker & Arnott) Berg 20883  
V 20883 Chile 20883
- E *Myrceugenia franciscensis* (Berg) Landrum 20883  
E 20883 Brazil 20883
- R *Myrceugenia glaucescens* var. *latior* (Burret) Landrum 20883  
I 20883 Brazil 20883
- E *Myrceugenia hatschbachii* Landrum 20883  
E 20883 Brazil 20883
- E *Myrceugenia hoehnei* (Burret) Legrand & Kausel 20883  
E 20883 Brazil 20883
- E *Myrceugenia kleinii* Legrand & Kausel 20883  
E 20883 Brazil 20883
- E *Myrceugenia leptocalyx* Legrand 20883  
E 20883 Brazil 20883
- V *Myrceugenia leptospermoides* (A. P. de Candolle) Kausel 20883, 13875  
V 20883 Chile 20883
- R *Myrceugenia oxyspala* (Burret) Legrand & Kausel 20883  
R 20883 Brazil 20883
- V *Myrceugenia pilotantha* var. *pilotantha* 20883  
I 20883 Brazil 20883
- V *Myrceugenia pinifolia* (F. Philippi) Kausel 20883, 13875  
V 20883 Chile 20883
- R *Myrceugenia reitzii* Legrand & Kausel 20883  
R 20883 Brazil 20883
- V *Myrceugenia rufa* (Colla) Skottsberg ex Kausel 20883, 13875  
R 13875 Chile 20883
- R *Myrceugenia rufescens* (A. P. de Candolle) Legrand & Kausel 20883  
I 20883 Brazil 20883
- V *Myrceugenia schultzei* Johow 20883  
V 20883 Chile 20883
- V *Myrceugenia scutellata* Legrand 20883  
I 20883 Brazil 20883
- V *Myrceugenia seriatoramosa* (Kiaerskou) Legrand & Kausel 20883
- V 20883 Brazil 20883
- E *Myrceugenia smithii* Landrum 20883  
E 20883 Brazil 20883
- R *Myrceugenia venosa* Legrand 20883  
R 20883 Brazil 20883
- V *Myrcia borhidii* Muniz 5607  
V 19105 Cuba (Holguin) 5607
- E *Myrcia calcicola* Proctor 20883, 13336  
E 20883 Jamaica 20883
- R *Myrcia dasyblasta* Berg in Mart. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- I *Myrcia edulis* Krug & Urban var. *dominicana* Krug & Urban 10200  
I Dominica 10200
- V *Myrcia fosteri* Croat 20883  
V 20883 Panama 20883
- V *Myrcia gatunensis* Standl. 20883, 9006  
V 20883 Panama 20883
- R *Myrcia martinicensis* Krug & Urban 19001  
R 19001 Martinique (above Pitons & Mt. Pelée) 19001
- E *Myrcia paganii* Krug & Urban 20883, 10197  
V 19002 Puerto Rico 20883
- R *Myrcia pistrinalis* McVaugh 8679  
R 8679 Surname 8679
- I *Myrcia skeldingii* Proctor 20883, 13336  
I 19890 Jamaica (Mason River Savannah) 20883
- E *Myrcianthes callicoma* McVaugh  
E 19558 Argentina 16336  
E 20176 Argentina - Tucuman 20176
- E *Myrcianthes ferreyrae* (McVaugh) McVaugh 18200  
E 9446 Peru 18200
- R *Myrcianthes minimifolia* (McVaugh) McVaugh 18200  
R 9446 Peru 18200
- R *Myrcianthes pseudo-mato* (Legrand) McVaugh 19448  
R 16336 Argentina 16336
- R *Myrcianthes quinqueloba* (McVaugh) McVaugh 18200  
R 9446 Peru 18200
- R *Myrciaria cuspidata* Berg in Mart. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- V *Myrrhinium atropurpureum* var. *atropurpureum* 20883  
V 20883 Brazil 20883
- E *Myrteola leucomyrtillus* (Griseb.) Reiche 20176  
E 20176 Argentina - Neuquen 20176  
E 20176 Argentina - Rio Negro 20176
- E *Myrteola nummularia* (Poir.) O.Berg. var. *barneoudii* (O.Berg.) Kausel 20176  
E 20176 Argentina - Neuquen 20176  
E 20176 Argentina - Rio Negro 20176
- E *Myrtus claraensis* (Urban) Bisse 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- E *Myrtus crenulata* (Urban & Ekman) Bisse 5607  
E 19105 Cuba 5607
- V *Myrtus del-riscoi* Borh. & Muniz 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- E *Myrtus muniziana* (Borh.) Borh. 5607  
E 19105 Cuba (Prov. Habana) 5607



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Myrtus*

- E** *Myrtus nummularioides* (Britton & P. Wilson)  
Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- R** *Pimenta adenoclada* (Urban) Burret 20883  
I 20883 Cuba 20883
- V** *Pimenta cainitoides* (Urban) Burret 20883, 5607  
V 19105 Cuba (Granma; Santiago de Cuba) 20883
- E** *Pimenta ferruginea* (Grisebach) Burret 20883  
E 20883 Cuba 20883
- V** *Pimenta haitiensis* (Urban) Landrum 20883, 19408  
V 20883 Dominican Republic 20883
- R** *Pimenta jamaicensis* (Britton & Harris) Proctor 20883  
R 20883 Jamaica 20883
- R** *Pimenta obscura* Proctor 20883, 13336  
R 13336 Jamaica 20883
- E** *Pimenta odiolens* (Urban) Burret 20883  
E 20883 Cuba 20883
- E** *Pimenta oligantha* (Urban) Burret 20883  
E 20883 Cuba 20883
- E** *Pimenta podocarpoides* (Areces) Landrum 20883  
E 20883 Cuba 20883
- V** *Pimenta pseudocaryophyllus* var. *hoehnei* (Burret)  
Landrum 20883  
I 20883 Brazil 20883
- V** *Pimenta racemosa* (Mill.) J. W. Moore var.  
*hispaniolensis* (Urban) Landrum 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- V** *Pimenta racemosa* (Mill.) J. W. Moore var. *ozua*  
(Urban & Ekman) Landrum 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- E** *Pimenta racemosa* (Mill.) J. W. Moore var.  
*terebinthina* (Burret) Landrum 20883  
E 20883 Dominican Republic 20883
- V** *Pimenta richardii* Proctor 11731, 20883, 13336  
V 13336 Jamaica 20883
- V** *Plinia acunae* Borh. & Muniz 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- R** *Plinia costata* Amshoff 8679  
R 8679 Suriname 8679
- V** *Plinia dermatodes* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- R** *Plinia formosa* Urban 5607  
R 19105 Cuba (Guantanamo) 5607
- E** *Plinia moaensis* Borh. 5607  
E 19105 Cuba (Holguin) 5607
- V** *Plinia orthoclada* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V** *Plinia ramosissima* (Urban) Urban 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V** *Plinia rubrinervis* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E** *Plinia rupestris* Ekman & Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V** *Plinia stenophylla* Urban 5607  
V 19105 Cuba (Holguin) 5607
- E** *Plinia toscanosia* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- I** *Pseudoeugenia perakensis* Scort. 19209  
I 19209 Malaysia - Peninsular Malaysia (Pulau Pinang/Penang & Prai, Perak, Pahang, Kelantan) 19209
- V** *Psidium albescens* Urb. 20883  
V 20883 Jamaica 20883
- I** *Psidium androsianum* (Urban) Correll  
I 4650 Bahamas 4650
- E** *Psidium celastroides* Urban 5607  
E 19105 Cuba (Cienfuegos; Villa Clara) 5607
- I** *Psidium dumetorum* Proctor 20883, 13336  
I 13336 Jamaica (Clarendon) 20883
- R** *Psidium galapageium* Hook.f. var. *howellii* D.  
Porter 11117  
R Ecuador - Galapagos (San Cristobal; Santa Cruz) 11117
- V** *Psidium harrisianum* Urb. 20883, 13336  
V 20883 Jamaica (Clarendon, Peckham woods) 20883
- E** *Psidium havanense* Urban 5607  
E 19105 Cuba (Prov. Habana; Ciud. Habana) 5607
- R** *Psidium nutans* Berg. 20883  
I 20883 Argentina 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R** *Psidium ooideum* Berg in Mart. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E** *Psidium sintenisii* (Kiaersk.) Alain 20883, 10197  
I 20883 Puerto Rico 20883
- R** *Regelia cymbifolia* (Schauer) C.Gardner 20681  
R 20681 Australia - Western Australia 20681
- R** *Regelia megacephala* C.Gardner 20681  
R 20681 Australia - Western Australia 20681
- E** *Reicheia coquimbensis* (Barneoud) Kausel 15088  
E 13875 Chile 13875
- R** *Rhodamnia glabrescens* Guymer & Jessup 20681  
R 20681 Australia - Queensland 20681
- R** *Rhodamnia maideniana* C.White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Rhodamnia pauciovulata* Guymer 20681  
R 20681 Australia - Queensland 20681
- R** *Rhodomyrtus effusa* Guymer 20681  
R 20681 Australia - Queensland 20681
- R** *Rinzia crassifolia* Turcz. 20681  
R 20681 Australia - Western Australia 20681
- V** *Ristantia gouldii* Peter G.Wilson & B.Hyland 20681  
V 20681 Australia - Queensland 20681
- R** *Ristantia pachysperma* (F.Muell. & Bailey) Wilson & Waterh. 20681  
R 20681 Australia - Queensland 20681
- R** *Ristantia waterhousei* Peter G.Wilson & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Sphaerantia chartacea* Peter G.Wilson & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Sphaerantia discolor* Peter G.Wilson & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Syncarpia hillii* Bailey 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Syngnathaceae*

- R 20681 Australia - Queensland 20681
- R *Syzygium atoramulum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R *Syzygium alliligneum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- I *Syzygium andamanicum* (King) Balakr. 10499  
I 14782 India - Andaman Is. 10499
- R *Syzygium argyropedicum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R *Syzygium assimile* Thwaites var. *acuminata* P. Ashton 8021  
R 20013 Sri Lanka 8021
- Ex *Syzygium balfourii* (Baker) Gueho & A.J. Scott 10082  
Ex 5852 Mauritius - Rodrigues 5852
- I *Syzygium benthamianum* (Wight ex Duthie) Gamble  
I India - Tamil Nadu (Sispara, Nilgiri Hills)
- E *Syzygium bijouxii* Guého & A.J. Scott 10082  
E 20771 Mauritius 10082
- R *Syzygium boonjee* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R *Syzygium borbonicum* Guého & A.J. Scott 10082  
R 14220 Réunion 10082
- Ex/E *Syzygium bourdillonii* (Gamble) Rathakr. & Nair 11494  
Ex/E 11494 India - Kerala (Merchiston; Colatoorpalay) 11494
- I *Syzygium calvinii* (Elm.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I *Syzygium caposensis* (Merr.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I *Syzygium chavaran* (Bourd.) Gamble  
I India - Kerala (north Travancore)
- R *Syzygium commersonii* Guého & A.J. Scott 10082  
R 20771 Mauritius 10082
- R *Syzygium contractum* Guého & A.J. Scott 10082  
R 20771 Mauritius 10082
- V *Syzygium cordifolium* Walp. ssp. *cordifolium* 8021  
V 12838 Sri Lanka 8021
- R *Syzygium cordifolium* Walp. ssp. *spissum* (Alston) P. Ashton 8021  
R 20013 Sri Lanka 8021
- E *Syzygium courtallense* (Gamble) Alston 11494  
E 11494 India - Tamil Nadu (Courtallum Hills) 11494
- V *Syzygium cylindricum* (Wight) Alston 8021  
V 12838 Sri Lanka 8021
- R *Syzygium dansiei* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R *Syzygium densinervium* Merr. var. *insulare* Chang 20854  
R 20854 Taiwan 20854
- I *Syzygium ecostulatum* (Elm.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- R *Syzygium euphlebioides* (Hayata) S.A.Mori 20511  
R 20854 Taiwan (Heng-ch'un Peninsula) 20511
- R *Syzygium firmum* Thwaites 8021  
R 12838 Sri Lanka 8021
- E *Syzygium gambleanum* Rathakr. & Chitra 11494  
E 11494 India - Tamil Nadu (Kannyakumari) 11494
- I *Syzygium iwahigensis* (Elm.) Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I *Syzygium ixoides* (Elm.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I *Syzygium kurzii* (Duthie) Balakr. var. *andamanica* King 10499  
I India - Andaman Is. 10499
- R *Syzygium kusukusense* (Hayata) S.A.Mori  
R Taiwan (Heng-ch'un)
- R *Syzygium lanyunense* Chang 20854  
R 20854 Taiwan 20854
- R *Syzygium latifolium* (Poiret) DC. 10082  
R 20771 Mauritius 10082
- I *Syzygium lewisii* Alston 8021  
I 16162 Sri Lanka (Ratnapura Dist.) 8021
- R *Syzygium macilwraithianum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- V *Syzygium makul* Gaertner 8021  
V 12838 Sri Lanka 8021
- R *Syzygium mamillatum* Bosser & Guého 10082  
R 20771 Mauritius 10082
- R *Syzygium manii* (King) Balakr. 10499  
R 14782 India - Andaman Is. 14782
- R *Syzygium mauritianum* Guého & A.J. Scott 10082  
R 20771 Mauritius 10082
- R *Syzygium micranthum* Thwaites 8021  
R 12838 Sri Lanka 8021
- I *Syzygium myhendrae* (Beddome ex Brandis) Gamble  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Tirunelveli Hills)
- R *Syzygium neesianum* Arn. 8021  
R 12838 Sri Lanka 8021
- I *Syzygium occidentalis* (Bourd.) Ghandhi  
I India - Kerala
- Ex/E *Syzygium palghatense* Gamble 11494  
Ex/E 11494 India - Kerala (Palghat Hills) 11494
- V *Syzygium paniculatum* Gaertner 20681  
V 20681 Australia - New South Wales 20681
- R *Syzygium petrinense* Bosser & Guého 10082  
R 20771 Mauritius 10082
- E *Syzygium phylloraeoides* (Trimen) Santapau 12838  
E 12838 Sri Lanka 12838
- V *Syzygium pondoense* Engl. 20604  
V 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Natal 20604
- E *Syzygium populifolium* (Baker) Guého & A.J. Scott 10082  
E 20771 Mauritius 10082
- R *Syzygium pseudofastigiatum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- I *Syzygium pulgarensis* (C.B. Rob.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- I *Syzygium purpuricarpum* (Elm.) Merr. 13833  
I 13833 Philippines (Palawan) 13833
- R *Syzygium rampans* (Baker) Guého & A.J. Scott 10082  
R 20771 Mauritius 10082
- R *Syzygium revolutum* Walp. ssp. *cyclophyllum* (Alston) P. Ashton 8021  
R 20013 Sri Lanka 8021

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: Syzygium

- R** *Syzygium rubrimolle* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Syzygium sharonae* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- E** *Syzygium spatulatum* Thwaites 8021  
E 20013 Sri Lanka 8021
- I** *Syzygium stocksii* (Duthie) Gamble  
I India - Karnataka (South Canara)  
I India - Kerala (Wynaad Hills)
- R** *Syzygium sylvestre* Thwaites 12838  
R 12838 Sri Lanka 12838
- E** *Syzygium travancoricum* Gamble 11494, 21304, 21025  
E 11494 India - Kerala (south) 11494
- V** *Syzygium vaughanii* Guého & A.J. Scott 10082  
V 20771 Mauritius 10082
- V** *Syzygium velorum* B.Hyland 20681  
V 20681 Australia - Queensland 20681
- R** *Syzygium venosum* (Lam.) Guého & A.J. Scott 10082  
R 20771 Mauritius 10082
- I** *Syzygium wrightii* (Baker) A.J. Scott 19181  
I 19182 Seychelles (granitic) 14296
- R** *Syzygium xerampelinum* B.Hyland 20681  
R 20681 Australia - Queensland 20681
- E** *Temu divaricatum* (Berg.) Berg. 16336  
E 16336 Argentina 16336  
E 20176 Argentina - Neuquen 20176  
E 20176 Argentina - Rio Negro 20176  
E 20176 Chile 20176
- R** *Thaleroxia queenslandica* (L.S.Smith) Peter G.Wilson 20681  
R 20681 Australia - Queensland 20681
- R** *Thryptomene hexandra* C.White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V** *Thryptomene wittweri* J.W.Green 20681  
I 20681 Australia - Northern Territory 20681  
I 20681 Australia - Western Australia 20681
- V** *Tristania decorticata* Merr. 13780  
V 15960 Philippines 13780
- V** *Tristania littoralis* Merr. 13780  
V 15960 Philippines 13780
- V** *Tristaniopsis jaffrei* J.Wyndham Dawson 20893  
V 20893 New Caledonia 20893
- R** *Tristaniopsis lucida* J.Wyndham Dawson 20893  
R 20893 New Caledonia 20893
- V** *Tristaniopsis macphersonii* J.Wyndham Dawson 20893  
V 20893 New Caledonia 20893
- V** *Tristaniopsis minuitiflora* J.Wyndham Dawson 20893  
V 20893 New Caledonia 20893
- V** *Tristaniopsis ninndoensis* J.Wyndham Dawson 20893  
V 20893 New Caledonia 20893
- E** *Tristaniopsis polyandra* Guillaumin 20893  
E 20893 New Caledonia 20893
- V** *Tristaniopsis reticulata* J.Wyndham Dawson 20893  
V 20893 New Caledonia 20893
- V** *Tristaniopsis vieillardii* Brongn. & Gris 20893  
V 20893 New Caledonia 20893
- E** *Tristaniopsis yateensis* J.Wyndham Dawson 20893  
E 20893 New Caledonia 20893
- V** *Ugni selkirkii* (Hook. & Arn.) O. Berg 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- E** *Ugni warscewiczii* Berg 20883  
I 20883 Panama 20883
- E** *Uromyrtus australis* A.J.Scott 20681  
E 20681 Australia - New South Wales 20681
- R** *Uromyrtus metrosideros* (Bailey) A.J.Scott 20681  
R 20681 Australia - Queensland 20681
- E** *Verticordia albida* A.S.George 20681  
E 20681 Australia - Western Australia 20681
- R** *Verticordia aurea* A.S.George 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia capillaris* A.S.George 20681  
R 20681 Australia - Western Australia 20681
- V** *Verticordia carinata* Turcz. 20681, 14223  
V 20681 Australia - Western Australia 20681
- V** *Verticordia crebra* A.S.George 20681  
V 20681 Australia - Western Australia 20681
- V** *Verticordia fimbriolepis* Turcz. ssp. *australis*  
A.S.George 20681  
V 20681 Australia - Western Australia 20681
- E** *Verticordia fimbriolepis* Turcz. ssp. *fimbriolepis* 20681  
E 20681 Australia - Western Australia 20681
- E** *Verticordia harveyi* Benth. 20681  
E 20681 Australia - Western Australia 20681
- V** *Verticordia helichrysantha* Benth. 20681  
V 20681 Australia - Western Australia 20681
- E** *Verticordia hughanii* F.Muell. 20681  
E 20681 Australia - Western Australia 20681
- R** *Verticordia integra* A.S.George 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia lehmannii* Schauer 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia lindleyi* Schauer ssp. *lindleyi* 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia multiflora* Turcz. ssp. *multiflora* 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia paludosa* A.S.George 20681  
R 20681 Australia - Western Australia 20681
- R** *Verticordia penicillaris* F.Muell. 20681  
R 20681 Australia - Western Australia 20681
- E** *Verticordia pityrhops* A.S.George 20681  
E 20681 Australia - Western Australia 20681
- E** *Verticordia plumosa* (Desf.) Druce var. *aneaneotes*  
A.S.George 20681  
E 20681 Australia - Western Australia 20681
- R** *Verticordia polytricha* Benth. 20681  
R 20681 Australia - Western Australia 20681
- V** *Verticordia staminosa* C.Gardner & A.S.George ssp. *cylindracea* A.S.George 20681  
V 20681 Australia - Western Australia 20681
- E** *Verticordia staminosa* C.Gardner & A.S.George ssp. *staminosa* 20681  
E 20681 Australia - Western Australia 20681
- R** *Verticordia vicinella* A.S.George 20681  
R 20681 Australia - Western Australia 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Myrtaceae: *Verticordia*

- R** *Waterhousea hedraiophylla* (F.Muell.) B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Waterhousea mulgraveana* B.Hyland 20681  
**R** 20681 Australia - Queensland 20681
- R** *Xanthostemon arenarius* Peter G.Wilson 20681  
**R** 20681 Australia - Queensland 20681
- R** *Xanthostemon bracteatus* Merr. 13780  
**R** 15960 Philippines 13780
- V** *Xanthostemon carlii* J.Wyndham Dawson 20893  
**V** 20893 New Caledonia 20893
- R** *Xanthostemon formosus* Peter G.Wilson 20681  
**R** 20681 Australia - Queensland 20681
- E** *Xanthostemon francii* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- I** *Xanthostemon glaucum* Pampan.  
**I** New Caledonia
- Ex/E** *Xanthostemon glaucus* Pampan. 20893  
**Ex/E** 20802 New Caledonia 20802
- R** *Xanthostemon graniticus* Peter G.Wilson 20681  
**R** 20681 Australia - Queensland 20681
- R** *Xanthostemon grisei* Guillaumin  
**R** New Caledonia
- R** *Xanthostemon gugerlii* Merr.  
**R** New Caledonia
- E** *Xanthostemon lateriflorus* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- E** *Xanthostemon longipes* Guillaumin 20893  
**E** 20893 New Caledonia 20893
- V** *Xanthostemon oppositifolius* Bailey 20681  
**V** 20681 Australia - Queensland 20681
- Ex** *Xanthostemon sebertii* Guillaumin 20802  
**Ex** 20802 New Caledonia (Prony Bay) 20802
- R** *Xanthostemon sulfureus* Guillaumin 20893  
**R** New Caledonia
- V** *Xanthostemon verdugonianus* Naves 13780  
**V** 15960 Philippines 13780
- V** *Xanthostemon vieillardii* Brongn. & Gris 20893  
**V** 20893 New Caledonia 20893
- R** *Xanthostemon whitei* Gugerli 20681  
**R** 20681 Australia - Queensland 20681
- R** *Xanthostemon xerophilus* Peter G.Wilson 20681  
**R** 20681 Australia - Queensland 20681
- V** *Xanthostemon youngii* C.White & Francis 20681  
**V** 20681 Australia - Queensland 20681

**Nepenthaceae**

Number of genera: 1  
 Number of species: 75  
 Recorded threatened species: 1.9 (2.5%)

East Indies to Madagascar.

- I** *Nepenthes burbidgeae* Hook. f. ex Burb.  
**I** Malaysia - Sabah (Mt Kinabalu, Mt Tambuyukon)
- R** *Nepenthes burkei* Masters var. *burkei*  
**R** Philippines
- I** *Nepenthes deaniana* Macfarlane 13833  
**I** 13833 Philippines (Mt. Pulgar) 13833
- R** *Nepenthes destillatoria* Brion 20013  
**R** 20013 Sri Lanka 20013

- V** *Nepenthes edwardsiana* Hook. f.  
**V** Malaysia - Sabah
- E** *Nepenthes gracillima* Ridley 13873  
**E** Malaysia - Peninsular Malaysia 13873
- I** *Nepenthes khasiana* Hook. f. 15658  
**I** India - Assam (Khasi hills)  
**I** India - Meghalaya (Jaintia hills)
- R** *Nepenthes lowii* Hook. f.  
**R** Brunei Darussalam 13868  
**V** Malaysia - Sabah  
**R** 14965 Malaysia - Sarawak (incl. G. Mulu) 14965
- V** *Nepenthes madagascariensis* Poir. 8316  
**V** Madagascar 8316
- R** *Nepenthes masaoensis* R. Schmid-Hollinger 8316  
**R** Madagascar 8316
- E** *Nepenthes muluensis* M. Hotta  
**E** Malaysia - Sarawak 13868
- Ex/E** *Nepenthes neglecta* Macfarlane 13868  
**Ex/E** 12225 Malaysia - Sabah (Labuan) 13868
- E** *Nepenthes northiana* Hook. f. 14965  
**E** 14965 Malaysia - Sarawak (Tai Ton (limestone)) 14965
- R** *Nepenthes paniculata* Danser 19588  
**R** 19588 Indonesia - Irian Jaya (Doorman Top) 8316
- V** *Nepenthes pervillei* Blume 14296  
**V** Seychelles (granitic) 14296
- I** *Nepenthes philippinensis* Macfarlane 13833  
**I** 13833 Philippines (Palawan) 13833
- V** *Nepenthes rajah* Hook. f. 15658  
**V** 20889 Malaysia - Sabah (Mt Kinabalu; Mt Tambuyukon) 20889
- R** *Nepenthes veitchii* Hook. f.  
**R** Brunei Darussalam 13868  
**I** Malaysia - Sabah  
**I** Malaysia - Sarawak
- V** *Nepenthes villosa* Hook.  
**V** Malaysia - Sabah (Mt Kinabalu)

**Nesogenaceae**

Number of genera: 1  
 Number of species: 7  
 Recorded threatened species: 3 (42%)

East Africa, Madagascar, Indian Ocean, South Pacific.

- Ex/E** *Nesogenes decumbens* Balf.f. 10082  
**Ex/E** Mauritius - Rodrigues 5852
- I** *Nesogenes euphrasioides* (W.J.Hooker & Arnott)  
**A.L.DC.** 19473. 20845
- E** 19473 Cook Is. (Southern group) (Mauke and Mitiaro) 19473
- I** 20845 French Polynesia - Society Is. (Tupai) 20845
- I** 20845 French Polynesia - Tuamotu Is. 20845
- Ex** *Nesogenes orerensis* (Cordem.) Marais 10082  
**Ex** 10082 Réunion 10082
- E** *Nesogenes rotensis* 20818  
**E** 20819 North Mariana Is. (Rota) 20819

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Nyctaginaceae: *Abronia*

**Nyctaginaceae**

Number of genera: 30  
 Number of species: 300  
 Recorded threatened species: 49 (16%)

Pantropical, particularly America.

- V** *Abronia alba* Eastw. 20850  
 I 20850 U.S. - California 20850
- E** *Abronia alpina* Brandeg. 20850  
 E 20850 U.S. - California 20850
- R** *Abronia ameliae* Lundell 20850  
 R 20850 U.S. - Texas 20850
- E** *Abronia ammophila* Greene 20850  
 E 20850 U.S. - Wyoming 20850
- R** *Abronia bigelovii* Heimerl 20850  
 R 20850 U.S. - New Mexico 20850
- V** *Abronia latifolia* Eschsch. 13154  
 V 10701 Canada - British Columbia 10701
- E** *Abronia macrocarpa* L.A. Gal. 20850, 17694  
 E 20850 U.S. - Texas 20850
- R** *Abronia minor* Standl. 20850  
 I 20850 U.S. - California 20850
- V** *Abronia neurophylla* Standl. 20850  
 I 20850 U.S. - California 20850
- Ex** *Abronia umbellata* Lam. ssp. *acutalata* (Standl.)  
 Tillet 20850, 13154  
 Ex 20850 Canada - British Columbia 20850  
 Ex 13154 U.S. - Oregon 13154  
 Ex 20850 U.S. - Washington 20850
- V** *Abronia umbellata* Lam. ssp. *breviflora* (Standl.)  
 Munz 20850  
 V 20850 U.S. - California 20850  
 E 20850 U.S. - Oregon 20850
- V** *Acleisanthes crassifolia* Gray 20883, 20850, 8058  
 V 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- V** *Acleisanthes wrightii* (Gray) Benth. & Hook. f. ex  
 Hensl. 20850  
 V 20850 U.S. - Texas 20850
- R** *Anulocaulis annulatus* (Coville) Standl. 20850  
 I 20850 U.S. - California 20850
- R** *Anulocaulis leiosolenus* I.M. Johnston var.  
*lasianthus* I.M. Johnston 20850  
 R 20850 U.S. - Texas 20850
- V** *Anulocaulis reflexus* I.M. Johnston 20883, 20850  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- E** *Boerhavia diffusa* L. var. *leiocarpa* (Heimerl)  
 Adams 20883  
 E 20883 Jamaica 20883
- V** *Boerhavia mathisiana* F.B. Jones 20850, 11630  
 E 20850 U.S. - Texas 20850
- V** *Boerhavia megaptera* Standl. 20850  
 I 20850 U.S. - Arizona 20850
- R** *Caribea littoralis* Alain 11840  
 R 19105 Cuba (Guantanamo) 11840
- R** *Commicarpus heimerlii* (Vierh.) Meikle 10778  
 R 15534 Yemen - Socotra 10778
- R** *Commicarpus simonyi* (Heimerl & Vierh.) Meikle 15534

- R** 15534 Yemen - Socotra 15534
- R** *Guapira clarensis* Borh. 11840  
 R 19105 Cuba (Las Villas) 11840
- E** *Guapira leonis* (Standley) Lundell  
 E 19105 Cuba (Prov. Habana) 19105
- R** *Guapira rotundifolia* (Heimerl) Lundell 20883  
 R 20883 Jamaica 20883
- E** *Guapira standleyana* Woods. 20883, 9006  
 I 20883 Panama 20883
- I** *Guapira suborbiculata* (Duss) Lundell 10200  
 I Dominica 10200  
 I Martinique 10200
- R** *Guapira witsbergeri* Lundell 9444  
 R 10359 El Salvador 9444
- V** *Mirabilis collina* Shimmers 20850  
 V 20850 U.S. - Texas 20850
- V** *Mirabilis macfarlanei* Constance & Rollins 20850  
 V 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Oregon 20850
- V** *Mirabilis pauciflora* (Buckl.) Standl. 20850  
 I 20850 U.S. - Oklahoma 20850  
 V 20850 U.S. - Texas 20850
- R** *Mirabilis pudica* Barneby 20850  
 R 20850 U.S. - Nevada 20850
- E** *Mirabilis rotundifolia* (Greene) Standl. 20883, 20850  
 E 20850 U.S. - Colorado 20850  
 I 20883 Puerto Rico 20883
- E** *Neea amplexicaulis* Dwyer & Hayden 20883, 10001  
 I 20883 Panama 20883
- E** *Neea darienensis* Dwyer & Hayden 20883, 10001  
 I 20883 Panama 20883
- E** *Neea ekmanii* Heimerl 5607  
 E 19105 Cuba (Cienfuegos, Villa Clara) 5607
- E** *Neea elegans* Dwyer & Hayden 20883, 10001  
 I 20883 Panama 20883
- R** *Okenia hypogaea* Schlecht. & Cham. 20850  
 V 20850 U.S. - Florida 20850
- R** *Pisonia albida* (Heimerl) Britt. ex Standl. 20883  
 I 20883 Puerto Rico 20883
- V** *Pisonia costata* (Bojer ex Bouton) Choisy 10082  
 V 20771 Mauritius 10082
- R** *Pisonia donnell-smithii* Heimerl ex Standley 9004  
 I 10359 El Salvador 10359  
 R 9004 Guatemala 9004
- R** *Pisonia ekmani* Heimerl 5607  
 R 19105 Cuba (Las Tunas, Holguin) 5607
- E** *Pisonia floridana* Britt. ex Small 20850, 14662  
 E 20850 U.S. - Florida 20850
- E** *Pisonia graciliscens* (Heimerl) Stenmerik 20845  
 E 20845 French Polynesia - Society Is. (Tahiti)  
 20845
- R** *Pisonia lanceolata* (Poiret) Choisy 10082  
 E 14234 Réunion 14234  
 R 20771 Mauritius 10082
- E** *Pisonia sechellarum* F. Friedmann 14296  
 E 14981 Seychelles (Silhouette, possibly formerly on  
 Mahé) 14296
- I** *Pisonia siphonocarpa* (Heimerl) Stenmerik 20845  
 I 20845 French Polynesia - Society Is. (Moorea)  
 20845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Nyctaginaceae: *Pisonia*

- Ex/E *Pisonia suborbiculata* Hemsley ex Duss 19001  
 Ex/E 19001 Martinique (Pointe du Vaucrin; Cap Salomon) 19001
- V *Pisonia sylvatica* Standley 9037  
 V 9426 Costa Rica 9037
- E *Pisonia wagneriana* Fosberg 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- R *Pisoniella arborescens* (Lagasca & Rodriguez) Standley 9015  
 R 19755 Mexico 9015

**Nymphaeaceae**

Number of genera: 5  
 Number of species: 50  
 Recorded threatened species: 4 (8%)

Cosmopolitan, in fresh water habitats.

- V *Nuphar lutea* ssp. *sagittifolia* (Walt.) E.O.  
 Beal 20850  
 I 20850 U.S. - Indiana 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Virginia 20850
- V *Nuphar lutea* ssp. *ulvacea* (Mill. & Standl.) E.O.  
 Beal 20850  
 V 20850 U.S. - Florida 20850
- R *Nuphar pumilum* DC. var. *ozense* (Miki) Hara 10572  
 R 10572 Japan 10572
- V *Nuphar shimadai* Hayata 20511  
 V 20511 Taiwan 20511
- V *Nuphar subintegerrimum* (Casp.) Makino 10572  
 V 10572 Japan 10572

**Ochnaceae**

Number of genera: 30  
 Number of species: 400  
 Recorded threatened species: 15 (3%)

Tropical, especially Brazil.

- I *Brackenridgea palustris* Bartell. ssp. *foxworthyi* (Elm.) Kanis 13833  
 I 13833 Philippines (low altitude) 13833
- R *Fleurydora felicis* A. Chev. 7926  
 R Guinea 7926
- R *Indosinia involucrata* (Gagnepain) Vidal 6057  
 I 20985 Vietnam 6057
- E *Ochna rufescens* Thwaites 12838  
 E 12838 Sri Lanka 12838
- Ex *Ouratea alaternifolia* (A. Rich.) M. Gomez 5607  
 Ex 15112 Cuba (Habana) 5607
- V *Ouratea amplexans* (Stapf) Engl. 20274  
 V 20858 Ghana 20274  
 V 20858 Liberia 7926
- E *Ouratea cocleensis* Dwyer 20883, 9006  
 I 20883 Panama 20883
- E *Ouratea elegans* Urb. 20883, 13336  
 E 20883 Jamaica 20883
- E *Ouratea flexipedicellata* Dwyer 20883, 9006  
 I 20883 Panama 20883
- R *Ouratea gillyana* (Dwyer) Sandw. & Maguire 8679

- R Guyana 8679
- R *Ouratea jamaicensis* (Planch.) Urb. 20883  
 R 20883 Jamaica 20883
- E *Ouratea patelliformis* Dwyer 20883, 9006  
 I 20883 Panama 20883
- R *Ouratea sacleuxii* (van Tiegh.) Beentje 20057  
 R 20057 Kenya (Shimba hills) 20057  
 R 20057 Tanzania 17435
- V *Ouratea schusteri* Engler 20057  
 V 20057 Kenya (Taita hills & Kasigau) 20057  
 V 20057 Tanzania (western Usambaras; Uluguru Mnts.) 17435
- V *Sauvagesia paucielata* Sastre 20883, 10747  
 V 16317 Panama 20883
- R *Sinia rhodoleuca* Diels 17617  
 R 17617 China - Guangdong (Fengkai, Huaiji, Lianshan) 11139  
 R 17617 China - Guangxi 11139

**Olacaceae**

Number of genera: 24-30  
 Number of species: 250  
 Recorded threatened species: 59 (23%)

Tropical and subtropical.

- I *Anacolosa densiflora* Beddome  
 I India - Kerala (Travancore Hills)  
 I India - Tamil Nadu
- R *Brachynema ramiflorum* Bentham 20883  
 I 20883 Brazil 20883
- V *Cathedra bahiensis* Sleumer 20883  
 I 20883 Brazil 20883
- E *Cathedra grandiflora* Loesener 20883  
 E 20883 Brazil 20883
- R *Cathedra paraensis* Sleumer 20883  
 I 20883 Brazil 20883
- R *Cathedra rubricaulis* Miers 20883  
 I 20883 Brazil 20883
- R *Curupira tefeensis* Black 20883  
 I 20883 Brazil 20883
- E *Douradoa consimilis* Sleumer 20883  
 I 20883 Brazil 20883
- E *Dulacia crassa* (Monachino) Sleumer 20883  
 I 20883 Guyana 20883
- R *Dulacia cyanocarpa* Sleumer 20883  
 I 20883 Venezuela 20883
- V *Dulacia egleri* (Rangel) Sleumer 20883  
 I 20883 Brazil 20883
- R *Dulacia gardneriana* (Bentham) O. Kuntze 20883  
 I 20883 Brazil 20883
- E *Dulacia papillosa* (Rangel) Sleumer 20883  
 I 20883 Brazil 20883
- V *Dulacia pauciflora* (Bentham) O. Kuntze 20883  
 I 20883 Brazil 20883
- E *Dulacia singularis* Vellozo 20883  
 I 20883 Brazil 20883
- V *Dulacia tepuiensis* (Steyermark) Sleumer & Steyermark 20883  
 I 20883 Venezuela 20883
- E *Heisteria amazonica* Sleumer 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Olacaceae: *Heisteria*

- I 20883 Brazil 20883
- E** *Heisteria amphoricarpa* (Ducke) Sleumer 20883  
I 20883 Brazil 20883
- V** *Heisteria asplundii* Sleumer 20883  
I 20883 Ecuador 20883
- E** *Heisteria blanchetiana* (Engler) Sleumer 20883  
I 20883 Brazil 20883
- R** *Heisteria citrifolia* Engler 20883  
I 20883 Brazil 20883
- R** *Heisteria concinna* Standl. 20883  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- R** *Heisteria costaricensis* J.D. Sm. 20883  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- R** *Heisteria huberiana* Sleumer 20883  
I 20883 Brazil 20883
- R** *Heisteria maguirei* Sleumer 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- V** *Heisteria maytenoides* Spruce ex Engler 20883  
I 20883 Venezuela 20883
- R** *Heisteria petandra* (Bentham ex Reisseck) Engler 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Heisteria salicifolia* Engler 20883  
E 20883 Brazil 20883
- E** *Heisteria skutchii* Sleumer 20883  
I 20883 Costa Rica 20883
- R** *Malania oleifera* Chun & Lee 17617  
R 17617 China - Guangxi 11139  
R 17617 China - Yunnan (Funing; Guangnan; Wengshan) 11139
- I** *Octoknema orientalis* Mildbr. 20556  
I 5926 Tanzania (Udzungwa & Mahenge Mts.) 20921
- V** *Olox angulata* A.S. George 20681  
V 20681 Australia - New South Wales 20681
- R** *Olox evrardii* Gagnepain 6057  
R Vietnam 6057
- I** *Olox imbricata* Roxb. var. *membranifolia* Kurz 7771  
I India - Nicobar Is. (Katchal Is.) 7771
- I** *Olox kilimandscharica* Knobl. 5926  
I 5926 Tanzania (Kilimanjaro) 5926
- I** *Olox pentandra* Sleumer 5926  
I 5926 Tanzania 5926
- V** *Olox psittacorum* (Lam.) Vahl 10082  
V 14234 Réunion 14234  
E 20771 Mauritius 10082
- R** *Olox schliebenii* Knobl. 5926  
R 5926 Tanzania 5926
- E** *Schoepfia arenaria* Britt. 20883  
E 20883 Puerto Rico 20883
- R** *Schoepfia californica* Brandegee 20883  
I 20883 Mexico 20883
- E** *Schoepfia cubensis* Britton & Wilson 20883, 5607  
R 19105 Cuba (Holguin) 20883
- E** *Schoepfia didyma* Wright ex Grisebach 20883

- I** 20883 Cuba 20883
- R** *Schoepfia haitiensis* Urban & Britton 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- R** *Schoepfia harrisii* Urb. 20883, 13336  
R 13336 Jamaica (Clarendon, Trelawny) 20883
- R** *Schoepfia multiflora* Urb. 20883  
R 20883 Jamaica 20883
- R** *Schoepfia pringlei* Robinson 20883  
I 20883 Mexico 20883
- E** *Schoepfia scopulorum* Alain 20883  
I 20883 Cuba 20883
- E** *Schoepfia shreveana* Wiggins 20883  
I 20883 Mexico 20883
- E** *Schoepfia stenophylla* Urban 20883, 5607  
E 20883 Cuba (Granma; Santiago de Cuba) 20883
- V** *Schoepfia tepuiensis* Steyermark 20883  
I 20883 Venezuela 20883
- R** *Schoepfia tetramera* Herzog 20883  
I 20883 Bolivia 20883
- E** *Schoepfia velutina* Sandwith 20883  
I 20883 Brazil 20883
- R** *Strombosia nana* Kosterm. 12838  
R 12838 Sri Lanka 12838
- V** *Tetrastylidium peruvianum* Sleumer 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Ximenia coriacea* Engler 20883  
I 20883 Brazil 20883
- R** *Ximenia horrida* Urban & Ekman 20883  
I 20883 Dominican Republic (Pedernales, Azua) 21008  
I 20883 Haiti 20883
- R** *Ximenia parviflora* var. *glauca* DeFilipps 20883  
I 20883 Mexico 20883
- E** *Ximenia pubescens* Standley 20883  
E 20883 Mexico 20883
- V** *Ximenia roigii* León 20883, 5607  
E 19105 Cuba (Las Tunas) 20883

**Oleaceae**

Number of genera: 30  
Number of species: 600  
Recorded threatened species: 70 (11%)

Nearly cosmopolitan, especially Asia and Malesia.

- E** *Abeliophyllum distichum* Nakai 15957  
E 15957 Korea, South (Mt. Kunja) 15957
- E** *Chionanthus acunae* (Borh. & Muniz) Borh. 5607  
E 19105 Cuba (Camaguey) 5607
- V** *Chionanthus adamsii* Stearn 20883, 13336  
V 13336 Jamaica 20883
- E** *Chionanthus ayresii* A.J. Scott 10082  
E 20771 Mauritius 10082
- E** *Chionanthus boutonii* A.J. Scott 10082  
E 20771 Mauritius 10082
- E** *Chionanthus broomeana* (Horne ex Oliver) A.J. Scott var. *broomeana* 10082  
E 20771 Mauritius 10082

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Oleaceae: *Chionanthus*

- R** *Chionanthus jamaicensis* (Urb.) Stearn 20883, 13336  
**R** 13336 Jamaica 20883
- V** *Chionanthus moncadae* (Borh. & Muniz) Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Chionanthus proctorii* Stearn 20883, 13336  
**E** 13336 Jamaica 20883
- R** *Chionanthus pygmaeus* Small 20850  
**R** 20850 U.S. - Florida 20850
- R** *Forestiera eggersiana* Krug & Urban 19934  
**I** 19934 Puerto Rico 19934  
**I** 19934 St Martin & St Barthelemy 19934  
**R** 19934 British Virgin Is. 19934  
**I** 19934 USA - Virgin Is. 19934
- V** *Forestiera ekmanii* Borh. 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- R** *Forestiera godfreyi* L.C. Anders. 20850  
**V** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - South Carolina 20850
- V** *Forestiera segregata* (Jacq.) Krug & Urban var. *pinetorum* (Small) M.C. Johnston 20850  
**V** 20850 U.S. - Florida 20850
- V** *Forsythia japonica* Makino var. *japonica* 10573  
**V** 10573 Japan 10573
- V** *Forsythia japonica* Makino var. *subintegra* Hara 10573  
**V** 10573 Japan 10573
- E** *Forsythia saxatilis* Nakai 15957  
**E** 15923 Korea, South (Mt Kwanak, Mt Pukhan) 15957
- R** *Fraxinus gooddingii* Little 20883, 20850, 8058  
**R** 20850 U.S. - Arizona 20850  
**V** 20883 Mexico 20883
- V** *Fraxinus papillosa* Lingelsh. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Texas 20850
- R** *Haenianthus grandifolius* Urban 5607  
**R** 19105 Cuba 5607
- I** *Henslowia erythrocarpa* Kurz 7771  
**I** India - Nicobar Is. (Kamorta Is.) 7771
- I** *Hesperelaea palmeri* A.Gray 12015  
**I** 19850 Mexico (Guadalupe I.) 12015
- I** *Jasminum andamanicum* Balakr. & N.G. Nair 7771  
**I** India - Andaman Is. (South and Middle Andamans) 7771
- I** *Jasminum angustitubum* Knobl. 5926  
**I** 5926 Tanzania 5926
- V** *Jasminum azoricum* L. 17891  
**V** Portugal - Madeira 17891
- R** *Jasminum barrelierii* Webb & Berthel.  
**R** Spain - Canary Is.
- E** *Jasminum carissoides* Kerr 19120  
**E** 19120 Thailand 19120
- R** *Jasminum cordatum* Ridley  
**R** Malaysia - Peninsular Malaysia (Perak; Selangor)
- I** *Jasminum curtisii* King & Gamble  
**I** Malaysia - Peninsular Malaysia (Perlis; Ipoh, Perak)
- I** *Jasminum ellipticum* Knobl. 5926  
**I** 5926 Tanzania (Lindi) 5926
- I** *Jasminum fluminense* Vell. ssp. *socotranum* P.S. Green 15534  
**I** 15534 Yemen - Socotra 15534
- I** *Jasminum insularum* Kerr 19120  
**I** 19120 Thailand 19120
- V** *Jasminum kriegeeri* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- V** *Jasminum linearifolium* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- E** *Jasminum noumeense* Schltr. 20802  
**E** 20893 New Caledonia 20802
- V** *Jasminum promonturianum* Däniker 20893  
**V** 20893 New Caledonia 20893
- I** *Jasminum putii* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Jasminum rarum* Kerr 19120  
**I** 19120 Thailand 19120
- E** *Jasminum sempervirens* Kerr 19120  
**E** 19120 Thailand 19120
- E** *Jasminum stellipilum* Kerr 19120  
**E** 19120 Thailand 19120
- E** *Jasminum tangense* Kerr 19120  
**E** 19120 Thailand 19120
- R** *Jasminum unifoliolatum* Balakr. & Nair 10177  
**R** 14782 India - Andaman Is. (Saddle Peak, N. Andamans) 10177
- E** *Jasminum virgatum* Kerr. 19120  
**E** 19120 Thailand 19120
- I** *Jasminum wightii* C.B. Clarke  
**I** India - Tamil Nadu (Coimbatore)
- R** *Jasminum wrayi* King & Gamble  
**R** Malaysia - Peninsular Malaysia (Perak; Kelantan)
- I** *Ligustrum decaisnei* C.B. Clarke var. *beddomei* Gamble  
**I** India - Karnataka (Kiggatnad, Coorg)
- V** *Ligustrum matudae* Kaneh.  
**V** Taiwan (Heng-ch'un)
- E** *Ligustrum microcarpum* Kanehira & Sasaki 20854  
**E** 20854 Taiwan 20854
- R** *Ligustrum morrisonense* Kanehira & Sasaki 20511  
**R** 20511 Taiwan 20511
- R** *Ligustrum pricei* Hayata 20854  
**R** 20854 Taiwan 20854
- R** *Ligustrum seisuiense* Shimizu & Kao 20511  
**R** Taiwan (Mt Chingshui)
- V** *Ligustrum tamakii* Hatus. 20626  
**V** 20626 Japan (Ryukyu) 20626
- V** *Linociera albidiflora* (Thwaites) C.B. Clarke 12838  
**V** 12838 Sri Lanka 12838
- I** *Linociera calcicola* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Linociera eriorachis* Kerr 19120  
**I** 19120 Thailand 19120
- I** *Linociera procera* Kerr 19120  
**I** 19120 Thailand 19120
- E** *Linociera sutepensis* Kerr 19120  
**E** 19120 Thailand 19120
- I** *Linociera velutina* Kerr 19120



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Oleaceae: *Linociera*

- I 19120 Thailand 19120
- I** *Myxopyrum confertum* Kerr 19120  
I 19120 Thailand 19120
- V** *Notelaea lloydii* Guym. 20681  
V 20681 Australia - Queensland 20681
- R** *Notelaea pungens* Guym. 20681  
R 20681 Australia - Queensland 20681
- R** *Olea europaea* L. ssp. *cerasiformis* (Webb & Berth.) Kunkel & Sund.  
R Portugal - Madeira  
R Spain - Canary Is.
- R** *Olea schliebenii* Knobl. 7959  
R Tanzania (Uluguru Mts.) 7959
- V** *Osmanthus okinawensis* Hatus. 20626  
V 20626 Japan (Ryukyu Islands) 20626
- V** *Osmanthus rigidus* Nakai 10573  
V 10573 Japan (Is. Tokara) 20626
- R** *Osmanthus scortechinii* King & Gamble  
R Malaysia - Peninsular Malaysia
- I** *Picconia azorica* (Tutin) Knobl. 8000, 20171  
I 19174 Portugal - Azores 8000
- V** *Picconia excelsa* (Aiton) DC. 17534  
V Portugal - Madeira  
V 17534 Spain - Canary Is. 17534
- I** *Schrebera greenwayi* Turrill 5926  
I 5926 Tanzania 5926
- R** *Syringa josikaea* J.Jacq. ex Rehb. 5942, 20171  
R 19949 Romania 17823  
I 5942 Ukraine 5942
- E** *Syringa pinnatifolia* Hemsley var. *alashanica* Ma & S.Q. Zhou 11139  
E China - Ningxia (Helanshan) 11139
- E** *Syringa pinnatifolia* Hemsley var. *pinnatifolia* 17617  
E 17617 China - Qinghai (Xunhua) 11139  
E 17617 China - Shaanxi (Huxian, Taibaoshan, Zhouzi) 11139  
E 17617 China - Sichuan (J'chuan, Baoxing, Kangding) 11139
- Oliniaceae**  
Number of genera: 1  
Number of species: 8  
Recorded threatened species: 2 (25%)  
Southern and eastern Africa; ?St. Helena.
- I** *Plectronia ficiformis* (Hook.f.) Gamble  
I India - Karnataka (Mysore)  
I India - Tamil Nadu (Palani & Sivagiri Hills)
- I** *Plectronia pergracilis* (Bourd.) Gamble  
I India - Kerala (Colatoorpolay, Travancore)
- Onagraceae**  
Number of genera: 17  
Number of species: 675  
Recorded threatened species: 119 (17%)  
Temperate and subtropical, especially New World.
- V** *Boisduvalia cleistogama* Curran 20850  
I 20850 U.S. - California 20850
- R** *Boisduvalia macrantha* Heller 20850  
I 20850 U.S. - California 20850
- I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Camissonia arenaria* (A. Nels.) Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- V** *Camissonia atwoodii* Cronq. 20850  
E 20850 U.S. - Utah 20850
- E** *Camissonia benitensis* Raven 20850  
E 20850 U.S. - California (San Benito Co.) 20850
- V** *Camissonia bistorta* (Nutt. ex Torr. & Gray) Raven 20850  
I 20850 Canada - British Columbia 20850  
I 20850 U.S. - California 20850
- R** *Camissonia boothii* (Dougl. ex Lehm.) Raven ssp. *alysoides* (Hook. & Arn.) Raven 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Idaho 20850  
R 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Utah 20850
- R** *Camissonia campestris* (Greene) Raven 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Camissonia cardiophylla* (Torr.) Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Camissonia confertiflora* (Raven) Raven 20850  
E 20850 U.S. - Arizona 20850
- V** *Camissonia confusa* Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- E** *Camissonia exilis* (Raven) Raven 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- E** *Camissonia gouldii* Raven 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- V** *Camissonia guadalupensis* (S.Watson) Raven 20850  
I 20850 U.S. - California 20850
- E** *Camissonia guadalupensis* (S.Watson) Raven ssp. *clementina* (Raven) Raven 20850  
E 20850 U.S. - California 20850
- E** *Camissonia hardhamiae* Raven 20850  
E 20850 U.S. - California 20850
- V** *Camissonia heterochroma* (S.Watson) Raven 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Camissonia hirtella* (Greene) Raven 20850  
I 20850 U.S. - California 20850
- R** *Camissonia ignota* (Jepson) Raven 20850  
I 20850 U.S. - California 20850
- E** *Camissonia integrifolia* Raven 20850  
I 20850 U.S. - California 20850
- V** *Camissonia lacustris* Raven 20850  
I 20850 U.S. - California 20850
- E** *Camissonia lewisii* Raven 20850  
I 20850 U.S. - California 20850
- V** *Camissonia luciae* Raven 20850  
I 20850 U.S. - California 20850
- V** *Camissonia megalantha* (Munz) Raven 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Onagraceae: *Camissonia*

- V 20850 U.S. - Nevada 20850
- R** *Camissonia micrantha* (Hornem. ex Spreng.)  
Raven 20850  
I 20850 Canada - British Columbia 20850  
I 20850 U.S. - California 20850
- R** *Camissonia nevadensis* (Kellogg) Raven 20850  
R 20850 U.S. - Nevada 20850
- R** *Camissonia ovata* (Nutt. ex Torr. & Gray) Raven 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R** *Camissonia pallida* (Abrams) Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Camissonia palmeri* (S.Watson) Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- V** *Camissonia parryi* (S.Watson) Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- R** *Camissonia pygmaea* (Dougl. ex Lehm.) Raven 20850  
I 20850 U.S. - Idaho 20850  
Ex/E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- V** *Camissonia sierrae* Raven 20850  
I 20850 U.S. - California 20850
- E** *Camissonia sierrae* Raven ssp. *alticola*  
Raven 20850  
E 20850 U.S. - California 20850
- V** *Camissonia specuicola* (Raven) Raven 20850  
V 20850 U.S. - Arizona 20850
- E** *Camissonia specuicola* (Raven) Raven ssp. *hesperia*  
(Raven) Raven 20850  
E 20850 U.S. - Arizona 20850
- V** *Camissonia specuicola* (Raven) Raven ssp. *specuicola*  
20850  
V 20850 U.S. - Arizona 20850
- R** *Camissonia strigulosa* (Fisch. & C.A. Mey.)  
Raven 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- R** *Camissonia tanacetifolia* (Torr. & A.Gray) Raven ssp. *quadriperforata*  
Raven 20850  
R 20850 U.S. - California 20850
- R** *Clarkia affinis* H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- R** *Clarkia arcuata* (Kellogg) A. Nels. & J.F. Macbr. 20850  
I 20850 U.S. - California 20850
- R** *Clarkia australis* E. Small 20850  
R 20850 U.S. - California 20850
- V** *Clarkia biloba* (Durand) Nelson & J.F. Macbr. ssp. *australis*  
H.F. & M.E. Lewis 20850  
V 20850 U.S. - California 20850
- V** *Clarkia borealis* E. Small 20850  
I 20850 U.S. - California 20850
- E** *Clarkia borealis* E. Small ssp. *arida* E.  
Small 20850
- E 20850 U.S. - California 20850
- V** *Clarkia borealis* E. Small ssp.  
*borealis* 20850  
I 20850 U.S. - California 20850
- V** *Clarkia bottae* (Spach) H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- R** *Clarkia breweri* (Gray) Greene 20850  
R 20850 U.S. - California 20850
- V** *Clarkia concinna* (Fisch & Mey.) Greene ssp. *automixa*  
R.N. Bowman 20850  
V 20850 U.S. - California 20850
- E** *Clarkia concinna* (Fisch & Mey.) Greene ssp. *raichei*  
G. Allen, V. Ford & L. Gottlieb 20850  
E 20850 U.S. - California 20850
- R** *Clarkia cylindrica* (Jepson) H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- R** *Clarkia davyi* (Jepson) H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- V** *Clarkia delicata* (Abrams) A. Nels. & J.F. Macbr. 20850  
I 20850 U.S. - California 20850
- R** *Clarkia dudleyana* (Abrams) J.F. Macbr. 20850  
I 20850 U.S. - California 20850
- E** *Clarkia franciscana* Lewis & Raven 20850  
E 20850 U.S. - California 20850
- V** *Clarkia gracilis* (Piper) A. Nels. & J. F. Macbr. ssp. *albicaulis*  
(Jepson) H.F. & M.E. Lewis 20850  
V 20850 U.S. - California 20850
- E** *Clarkia imbricata* H.F. & M.E. Lewis 20850  
E 20850 U.S. - California 20850
- V** *Clarkia jolonensis* Parnell 20850  
I 20850 U.S. - California 20850
- R** *Clarkia lassenensis* (Eastw.) H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- V** *Clarkia lewisii* Raven & Parnell 20850  
I 20850 U.S. - California 20850
- E** *Clarkia lingulata* H.F. & M.E. Lewis 20850  
E 20850 U.S. - California 20850
- R** *Clarkia modesta* Jepson 20850  
I 20850 U.S. - California 20850
- E** *Clarkia mosquinii* E. Small 20850  
I 20850 U.S. - California 20850
- E** *Clarkia mosquinii* E. Small ssp. *mosquinii*  
20850, 14662  
E 20850 U.S. - California 20850
- E** *Clarkia mosquinii* E. Small ssp. *xerophila* E.  
Small 20850  
E 20850 U.S. - California 20850
- R** *Clarkia nitens* H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- R** *Clarkia prostrata* H.F. & M.E. Lewis 20850  
I 20850 U.S. - California 20850
- R** *Clarkia purpurea* (W. Curtis) A. Nels. & J.F. Macbr. 20850  
I 20850 Canada - British Columbia 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Onagraceae: *Clarkia*

- I 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - Washington 20850
- V *Clarkia rostrata* W.S. Davis 20850  
 V 20850 U.S. - California 20850
- R *Clarkia rubicunda* (Lindl.) H.F. & M.E. Lewis 20850  
 I 20850 U.S. - California 20850
- R *Clarkia similis* Lewis & Ernst 20850  
 I 20850 U.S. - California 20850
- R *Clarkia speciosa* H.F. & M.E. Lewis 20850  
 I 20850 U.S. - California 20850
- E *Clarkia speciosa* H.F. & M.E. Lewis ssp. *immaculata*  
 H.F. & M.E. Lewis 20850  
 E 20850 U.S. - California 20850
- E *Clarkia springvillensis* Vasek 20850  
 E 20850 U.S. - California 20850
- V *Clarkia stellata* Mosquin 20850  
 I 20850 U.S. - California 20850
- R *Clarkia tembloriensis* Vasek 20850  
 I 20850 U.S. - California 20850
- E *Clarkia tembloriensis* Vasek ssp. *calientensis*  
 (Vasek) Holsinger 20850  
 E 20850 U.S. - California 20850
- R *Clarkia williamsonii* (Dur. & Hilg.) H.F. & M.E.  
 Lewis 20850  
 I 20850 U.S. - California 20850
- I *Epilobium glaciale* Raven  
 I India - Jammu & Kashmir
- R *Epilobium nankotaizanense* Yamamoto 17617  
 R 17617 Taiwan (Nanhudashan) 11139
- V *Epilobium nevadense* Munz 20850  
 V 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850
- V *Epilobium nivium* Brandeg. 20850  
 I 20850 U.S. - California 20850
- E *Epilobium numidicum* Battand. 10488  
 E 14958 Algeria 10488
- V *Epilobium oreganum* Greene 20850  
 I 20850 Canada - Alberta 20850  
 I 20850 Canada - British Columbia 20850  
 E 20850 U.S. - California 20850  
 E 20850 U.S. - Oregon 20850
- R *Epilobium perpusillum* Hausskn. 20681  
 R 20681 Australia - Tasmania 20681
- R *Epilobium psilotum* Maire & G. Samuelsson  
 R Morocco
- R *Epilobium purpuratum* Hook.f. 19305  
 R 19305 New Zealand - South Is. 19305
- R *Epilobium rigidum* Hausskn. 20850  
 I 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- V *Epilobium septentrionale* (Keck) R.N. Bowman &  
 Hoch 20850  
 V 20850 U.S. - California 20850
- R *Epilobium shiroumense* Matsum. & Nakai 10572  
 R 10572 Japan 10572
- R *Epilobium siskiyouense* (Munz) Hoch & Raven 20850  
 V 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- R *Epilobium tomlinsonianum* Adams 20883  
 R 20883 Jamaica 20883
- R *Epilobium tundraarum* Sam. 20171  
 R former European USSR (Arctic)
- R *Epilobium willisii* Raven & Engelhorn 20681  
 R 20681 Australia - Tasmania 20681  
 Ex/E 20681 Australia - Victoria 20681
- R *Fuchsia cyrtandroides* J. Moore 20845  
 R 20845 French Polynesia - Society Is. (Tahiti)  
 20845
- R *Fuchsia decidaea* Standley 10003  
 R 10003 Mexico 10003
- E *Fuchsia huanucoensis* P. Berry 20883  
 I 20883 Peru 20883
- E *Fuchsia nana* P. Berry 20883  
 I 20883 Bolivia 20883
- E *Fuchsia pachyrrhiza* P. Berry & B.A. Stein 20883  
 I 20883 Peru 20883
- E *Fuchsia pilaloensis* P. Berry 20883  
 I 20883 Ecuador 20883
- V *Gaura boquillensis* Raven & Gregory 20850  
 V 20850 U.S. - Texas 20850
- V *Gaura macrocarpa* Rothrock 20850  
 V 20850 U.S. - Texas 20850
- V *Gaura neomexicana* Wootton ssp. *coloradensis* (Rydb.)  
 Raven & Gregory 20850  
 E 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Nebraska 20850  
 V 20850 U.S. - Wyoming 20850
- R *Gaura villosa* (Munz) Raven & Gregory ssp. *parksii*  
 (Munz) Raven & Gregory 20850  
 R 20850 U.S. - Texas 20850
- R *Gayophytum oligospermum* Lewis & Szwejkowski 20850  
 I 20850 U.S. - California 20850
- Ex *Lopezia conjugens* Brandege 10003  
 Ex 10003 Mexico 10003
- R *Lopezia grandiflora* Zucc. var.  
*grandiflora* 10004  
 R 10003 Mexico 10004
- R *Lopezia lopezioides* (Hook. & Arn.) Plitt.,  
 Raven 10004  
 R 10003 Mexico 10004
- R *Lopezia miniata* Lagasca ex DC. ssp. *hintonii*  
 (Foster) Plitt., Raven & Breed. 10004  
 R 10003 Mexico - Guerrero 10004
- R *Lopezia nuevo-leonis* Plitt. Raven & Breedlove 10004  
 R 10003 Mexico 10004
- Ex *Lopezia sinaloensis* Munz 10006  
 Ex 10003 Mexico 10006
- R *Lopezia smithii* Rose 10006  
 R 10003 Mexico 10006
- R *Lopezia suffrutescens* Munz 10006  
 R 10003 Mexico 10006
- R *Ludwigia anastomosans* (DC.) Hara 11375  
 R 11375 Brazil 11375
- R *Ludwigia brachyphylla* (Micheli) Hara 11375  
 R 11375 Brazil 11375
- R *Ludwigia bullata* (Hassler) Hara 11375  
 R 11375 Bolivia 11375  
 R 11375 Brazil 11375  
 R 11375 Paraguay 11375
- Ex/E *Ludwigia burchellii* (Micheli) Hara 11375

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Onagraceae: *Ludwigia*

Ex/E 11375 Brazil 11375

- R** *Ludwigia densiflora* (Micheli) Hara 11375  
**R** Bolivia 11375  
**R** Brazil 11375  
**R** Colombia 11375  
**R** Peru 11375  
**R** Venezuela 11375
- R** *Ludwigia lanceolata* Ell. 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- V** *Ludwigia ravenii* Peng 20850  
**I** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Virginia 20850
- V** *Ludwigia spathulata* Torr. & Gray 20850  
**V** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - South Carolina 20850
- E** *Ludwigia stricta* (C. Wright) C. Wright  
**E** 19105 Cuba (Pinar del Rio) 19105
- V** *Oenothera acutissima* W.L. Wagner 20850  
**V** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- E** *Oenothera californica* (S. Wats.) S. Wats. ssp. *eurekaensis* (Munz & Roos) W. Klein 20850  
**E** 20850 U.S. - California 20850
- R** *Oenothera cavernae* Munz 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850
- E** *Oenothera deltoides* Torr. & Fremont ssp. *howellii* (Munz) W. Klein 20850  
**E** 20850 U.S. - California 20850
- V** *Oenothera harringtonii* W.L. Wagner 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Oenothera organensis* Munz 20850  
**V** 20850 U.S. - New Mexico 20850
- V** *Oenothera pilosella* Raf. ssp. *sessilis* (Pennell) Straley 20850  
**V** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Louisiana 20850  
**Ex/E** 20850 U.S. - Texas 20850
- R** *Oenothera psammophila* (A.Nels. & J.F.Macbr.) W.L.Wagner, Stockhouse & Klein 20850  
**I** 20850 Canada - Alberta 20850  
**R** 20850 U.S. - Idaho 20850
- R** *Oenothera tamrae* W. Dietr. & W.L. Wagner 10557  
**R** 10557 Mexico - Nayarit 10557
- V** *Oenothera wolfii* (Munz) Raven, W. Dietr. & Stubbe 20850  
**E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Oenothera xylocarpa* Coville 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850

**Opiliaceae**

Number of genera: 9  
 Number of species: 50  
 Recorded threatened species: 1 (2%)

Tropical and subtropical.

- R** *Rhopalopilium hallei* Villiers  
**R** Gabon (Lebama)

**Oxalidaceae**

Number of genera: 7-8  
 Number of species: 900  
 Recorded threatened species: 31 (3%)

Centers in tropics and subtropics, widespread in temperate regions.

- V** *Biophytum falcifolium* Lourt. 20883, 10747  
**V** 16317 Panama 20883
- V** *Biophytum mucronatum* Lourt. 20883, 10747  
**V** 16317 Panama 20883
- V** *Biophytum panamense* Lourt. 20883, 10747  
**V** 16317 Panama 20883
- R** *Biophytum soukupii* Lourt. 10747  
**V** 16317 Panama 10747  
**R** 18200 Peru 10747
- I** *Biophytum turianense* Kabuye 5926  
**I** 5926 Tanzania 5926
- V** *Oxalis balansae* Guillaumin 20893  
**V** 20893 New Caledonia 20893
- R** *Oxalis bradei* Knuth 9037  
**R** 9426 Costa Rica 9037
- V** *Oxalis bulbiger* Knuth 18200  
**V** 9446 Peru 18200
- I** *Oxalis burtoniae* Salter 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Oxalis cajalbanensis* Urban 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- R** *Oxalis calvinensis* Knuth 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Oxalis cathara* Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Oxalis deserticola* Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Oxalis fragilis* Salter var. *fragilis* 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Oxalis fragilis* Salter var. *pellucida* Salter 20604  
**I** South Africa - Cape Province
- R** *Oxalis gagneorum* Fosberg & Sacht 20845  
**V** 20845 French Polynesia - Marquesas Is 20845
- V** *Oxalis illinoensis* Schwegm. 20850  
**E** 20850 U.S. - Illinois 20850  
**V** 20850 U.S. - Indiana 20850  
**I** 20850 U.S. - Kentucky 20850
- R** *Oxalis involuta* Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Oxalis levis* Salter 20604  
**V** 20604 South Africa - Cape Province 20604
- I** *Oxalis lindaviana* Schltr. 20604  
**I** 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Oxalidaceae: *Oxalis*

- V** *Oxalis lomana* Diels 18200  
**V** 9446 Peru 18200
- R** *Oxalis melanosticta* Sond. var. *latifolia*  
 Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Oxalis microdonta* Salter 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Oxalis natans* L.f. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Oxalis oculifera* E.G.H.Olive. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Oxalis perineson* Salter & Exell 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Oxalis senecta* Salter 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Oxalis sepalosa* Diels 18200  
**V** 9446 Peru 18200
- I** *Oxalis simplex* Salter 20604  
**I** 20604 South Africa - Cape Province 20604
- I** *Oxalis subsessilis* L.Bolus 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Oxalis taimoni* Yamamoto 20511  
**R** 20511 Taiwan 20511
- R** *Oxalis virginea* Jacq. 20604  
**R** 20604 South Africa - Cape Province 20604

**Paeoniaceae**

Number of genera: 1  
 Number of species: 30  
 Recorded threatened species: 11 (36%)

Eurasia, especially temperate eastern Asia.

- R** *Paeonia cambessedesii* (Wülk.) Wülk. 8000, 20171  
**R** 20645 Spain - Balearic Is. 17891
- V** *Paeonia clusii* Stern 20171  
**V** 20731 Greece - Crete 20731
- V** *Paeonia delavayi* Franchet var. *lutea* (Franchet)  
 Fin. & Gagnepain 17617  
**V** 17617 China - Sichuan (Muli) 11139  
**V** 17617 China - Xizang Zizhiqu 11139  
**V** 17617 China - Yunnan 11139
- R** *Paeonia kavachensis* Aznav. 6930  
**R** 11552 Russian Federation (Caucasus) 11552
- I** *Paeonia macrophylla* (Albov) N. Lom. 5942  
**I** 5942 Georgia 5942
- R** *Paeonia mascula* (L.) Mill. ssp. *hellenica*  
 Tzanoudakis 20171  
**R** 20731 Greece (Peloponnisos, West Aegean, Cyclades) 20731
- V** *Paeonia mascula* (L.) Miller ssp. *russoi* (Biv.)  
 Cullen & Heywood var. *corsica* (Sieber ex Tausch)  
 Gürke 15080  
**V** 15080 France - Corsica 15080  
**V** 20805 Italy - Sardinia 15080
- I** *Paeonia mlokosewitschii* N. Lom. 5942  
**I** 5942 Russia - North Caucasus 5942
- V** *Paeonia parnassica* Tzanoudakis 17781, 20171  
**V** 20731 Greece (Sterea Ellas) 20731
- I** *Paeonia steveniana* Kem.-Nat. 5942  
**I** 5942 Russia - North Caucasus 5942

- I** 5942 Georgia 5942
- V** *Paeonia suffruticosa* Andr. var. *papaveracea*  
 (Andr.) Kerner 17617  
**V** 17617 China - Gansu 11139  
**V** 17617 China - Henan 11139  
**V** 17617 China - Shaanxi 11139
- E** *Paeonia suffruticosa* Andr. var. *spontanea*  
 Rehder 11139  
**E** China - Shaanxi 11139  
**E** China - Shanxi (Keshan) 11139
- E** *Paeonia szechuanica* Fang 17617  
**E** 17617 China - Sichuan (Markang, Jingchuan) 11139

**Papaveraceae**

Number of genera: 25  
 Number of species: 200  
 Recorded threatened species: 84 (42%)

Temperate & tropical Northern Hemisphere.

- V** *Arctomecon californica* Torr. & Frem. 20850  
**V** 20850 U.S. - Arizona 20850  
**R** 20850 U.S. - Nevada 20850
- E** *Arctomecon humilis* Coville 20850  
**E** 20850 U.S. - Utah 20850
- R** *Arctomecon merriamii* Coville 20850  
**R** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Argemone arizonica* G.B. Ownbey 20850  
**E** 20850 U.S. - Arizona 20850
- R** *Argemone burkartii* Soraru 19574  
**R** 19574 Argentina 19574
- R** *Argemone corymbosa* Greene 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850
- V** *Argemone munita* Durand & Hilg. ssp. *robusta* G.B.  
 Ownbey 20850  
**V** 20850 U.S. - California 20850
- V** *Argemone pleiacantha* E.Greene ssp. *pinnatisecta*  
 G.B. Ownbey 20850  
**V** 20850 U.S. - New Mexico 20850
- V** *Canbya candida* Parry ex Gray 20850  
**V** 20850 U.S. - California 20850
- R** *Corydalis acaulis* (Wulfen) Pers. 20171  
**R** (former) Yugoslavia
- R** *Corydalis aquae-gelidae* M.E. Peck & Wilson 20850  
**V** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Washington 20850
- V** *Corydalis caseana* (Rydb.) G.B. Ownbey ssp.  
*brachycarpa* (Rydb.) G.B. Ownbey 20850  
**V** 20850 U.S. - Utah 20850
- V** *Corydalis caseana* (Rydb.) G.B. Ownbey ssp. *brandegei*  
 (S.Watson) G.B. Ownbey 20850  
**V** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Corydalis caseana* (S.Watson) G.B. Ownbey ssp.  
*hastata* (Rydb.) G.B. Ownbey 20850  
**R** 20850 U.S. - Idaho 20850
- E** *Corydalis cashmeriana* Royle 14768  
**E** India - Jammu & Kashmir (Mahdev) 14768

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Papaveraceae: *Corydalis*

- R** *Corydalis curvicalcarata* Miyabe & Kudo 10572  
R 10572 Japan 10572
- V** *Corydalis gotlandica* Lidén 18216, 20171  
V 20083 Sweden 18216
- R** *Corydalis integra* Barbey & Fors.-Major 20171  
R Greece
- R** *Corydalis pallida* (Thunb.) Pers. var. *sparsimamma* (Thunb.) Pers. 20511  
R 20511 Taiwan 20511
- R** *Corydalis rutifolia* (Sm.) DC. 20171  
R Greece
- R** *Corydalis rutifolia* (Sibth. & Sm.) DC. ssp. *kurdica* Cullen & Davis 12840  
R 12840 Turkey 12840
- V** *Corydalis sewerzowii* Regel  
V former USSR 6930
- R** *Corydalis solida* (L.) Swartz ssp. *tauricola* Cullen & Davis 12840  
R 12840 Turkey 12840
- R** *Corydalis thasia* (Stoy. & Kit.) Stoy. & Kit.  
R Greece
- R** *Corydalis uniflora* (Sieber) Nyman 20171  
R 20730 Greece - Crete 20730
- E** *Dendromecon rigida* Benth. ssp. *rhamnoides* (Greene) Thorne 20850  
E 20850 U.S. - California 20850
- R** *Dicentra chrysantha* (Hook. & Arn.) Walp. 20850  
I 20850 U.S. - California 20850
- V** *Dicentra nevadensis* Eastw. 20850  
V 20850 U.S. - California 20850
- R** *Dicentra ochroleuca* Engelm. 20850  
I 20850 U.S. - California 20850
- I** *Dicentra spectabilis* (L.) Lem. 11815, 20171  
I China - Gansu 11815
- E** *Eschscholzia lemmonii* Greene ssp. *kernensis* (Munz) C. Clark 20850  
E 20850 U.S. - California 20850
- V** *Eschscholzia minutiflora* S.Watson ssp. *twisselmannii* C. Clark 20850  
V 20850 U.S. - California 20850
- E** *Eschscholzia procera* Greene 20850  
E 20850 U.S. - California 20850
- E** *Eschscholzia rhombipetala* Greene 20850, 14662  
E 20850 U.S. - California 20850
- E** *Fumaria carolianna* Pugsley 20171  
E 20528 France (Arras) 20528
- R** *Fumaria coccinea* Lowe ex Pugsley 15104  
R Spain - Canary Is.
- I** *Fumaria jankae* Hausskn. 17823, 20171  
I 19949 Romania 20631
- R** *Fumaria mairei* Pugsley 10487  
R 14958 Algeria 10487
- R** *Fumaria occidentalis* Pugsley 8000, 20171  
R 19701 United Kingdom 5387
- I** *Fumariola turkestanica* Korsh. 5942  
I 5942 Tajikistan 5942
- R** *Glaucium acutidentatum* Hausskn. & Bornm. 12840  
R 12840 Turkey 12840

- R** *Glaucium cappadocicum* Boiss. 12840  
R 12840 Turkey 12840
- V** *Glaucium grandiflorum* Boiss. & Huet var. *turquatum* Cullen 12840  
V 12840 Turkey 12840
- R** *Hylomecon hylomeconoides* T. Lee 15957  
R 15923 Korea, South (Mt Chiri) 15957
- R** *Hypecoum aequilobum* Viv. 20171  
R Egypt  
V Libya
- R** *Hypecoum dimidiatum* Del.  
R Egypt
- R** *Meconella denticulata* Greene 20850  
I 20850 U.S. - California 20850
- V** *Meconella oregana* Nutt. 20850, 10701  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E** *Meconopsis aculeata* Royle 14768  
E India - Jammu & Kashmir 14768
- V** *Meconopsis latifolia* Prain 11494  
V 11494 India - Jammu & Kashmir (Kashmir Himalaya) 11494
- R** *Papaver alboroseum* Hulten 20850, 10701  
E 20850 Canada - British Columbia 20850  
E 13967 Canada - Northwest Territories (Franklin) 13967  
I 20850 U.S. - Alaska 20850
- R** *Papaver argemone* L. ssp. *davisii* Kaderit 12840  
R 12840 Turkey 12840
- R** *Papaver atrovirens* Petrovsky 21309  
R 21309 Russia (E. Europe) - Northwest 21309
- I** *Papaver bracteatum* Lindl. 5942, 20171  
I 5942 Russia - North Caucasus 5942
- R** *Papaver calvareum* Petrovsky 21309  
R 21309 Russia (E. Europe) - North 21309  
R 21309 Russia (E. Europe) - Northwest 21309
- R** *Papaver chionophilum* Petrovsky 21309  
R 21309 Russia (E. Europe) - North 21309
- R** *Papaver decaisnei* Hochst. & Steudel  
R Egypt
- I** *Papaver divergens* Fedde & Bornm.  
I Egypt
- V** *Papaver fauriei* Fedde 10572  
V 10572 Japan 10572
- V** *Papaver guerlekense* Stapf 12840, 20171  
V 12840 Turkey 12840
- I** *Papaver himalaicum* Cretz.  
I India - Jammu & Kashmir
- V** *Papaver laestadianum* (Nordh.) Nordh. 17832, 20171, 21309  
V 17832 Norway 17832  
V 20083 Sweden 18216
- R** *Papaver leucotrichum* Tolm. 21309  
R 21309 Russia (E. Europe) - North 21309
- R** *Papaver maeoticum* Klokov 20171  
R former European USSR
- E** *Papaver mconnellii* Hulten 20850, 6796  
E 20850 Canada - Mackenzie 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Papaveraceae: *Papaver*

- E 20850 Canada - Yukon Territory 20850  
E 13967 U.S. - Alaska 13967
- R *Papaver multiradiatum* Petrovsky 21309  
R 21309 Russia (E.Europe) - North 21309
- R *Papaver nigrotinctum* Fedde 20171  
R Greece
- R *Papaver nudicaule* L. ssp. *insulare*  
Petrovsky 21309  
R 21309 Russia (E.Europe) - North 21309
- R *Papaver pilosum* Sibth. & Sm. 12840  
R 12840 Turkey 12840
- R *Papaver pygmaeum* Rydb. 20850, 13153  
V 20850 Canada - Alberta 20850  
V 20850 Canada - British Columbia 20850  
R 20850 U.S. - Montana 20850  
E 20850 U.S. - Utah 20850
- R *Papaver spicatum* Boiss. & Bal. 12840  
V 17832 Norway 17832  
R 12840 Turkey 12840
- I *Papaver stipitatum* Fedde 20171  
I Greece
- R *Papaver strictum* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- I *Papaver tatricum* (Nyár) Ehrendorfer 19839  
I 17821 Czech Republic 17821  
V 19321 Slovakia 19321
- R *Papaver tenellum* Tolmatchev  
R former USSR 6930
- R *Papaver uschakovii* Tolm. & Petrovsky 21309  
R 21309 Russia (E.Europe) - North 21309
- R *Papaver walpolei* Porsild 20850, 5942  
I 5942 Russia (Far East) - Magadan (north) 5942  
E 20850 Canada - Yukon Territory 20850  
V 20850 U.S. - Alaska 20850  
? U.S. - Arkansas
- R *Roemeria carica* A. Baytop 12840  
R 12840 Turkey 12840
- R *Roemeria procumbens* Aarons. & Oppenh. 8895  
I Israel 8895  
R Jordan 8899
- R *Romneya coulteri* Harvey 20850  
I 20850 Canada - British Columbia 20850  
R 20850 U.S. - California 20850
- R *Romneya trichocalyx* Eastw. 20850  
I 20850 U.S. - California 20850
- R *Rupicapnos muricaria* Pomel 10487  
R 14958 Algeria 10487
- V *Sarcocapnos baetica* (Boiss. & Reut.) Nyman ssp. *baetica* 19818, 20171  
V 19818 Spain (South) 8000
- V *Sarcocapnos crassifolia* (Desf.) DC. ssp. *speciosa*  
(Boiss.) Rouy 19818, 20171  
V 19818 Spain (Almeria & Granada) 19818
- R *Sarcocapnos integrifolia* (Boiss.) Cuatrec. 20171  
R Spain
- R *Sarcocapnos saetabensis* Mateo & Figuerola 20171  
R 20692 Spain (Valencia and Alicante provinces) 20692
- V *Sarcocapnos speciosa* Boiss. 15398, 20171  
V 15398 Spain (Sierra Nevada) 15398

Parnassiaceae

Number of genera: 2  
Number of species: 16  
Recorded threatened species: 3 (18%)

North temperate region to Mexico, Chile, Uruguay.

- R *Parnassia caroliniana* Michx. 20850  
E 20850 U.S. - Florida 20850  
V 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Wisconsin 20850
- R *Parnassia cirrata* Piper 20850  
I 20850 U.S. - California 20850
- I *Parnassia siamensis* Fletcher 19120  
I 19120 Thailand 19120

Passifloraceae

Number of genera: 16  
Number of species: 650  
Recorded threatened species: 48 (7%)

Tropical and warm temperate, especially tropical America and Africa.

- I *Adenia aculeata* (Hook.f.) Engl. 6087  
I 6087 Ethiopia 6087
- I *Adenia ellenbecki* Harms 6087  
I 6087 Ethiopia 6087
- R *Adenia fruticosa* Burt Davy ssp. *simplicifolia*  
W.J.De Wilde 6088, 20604  
R 6088 Zimbabwe 6088  
I 20604 South Africa - Transvaal 20604
- V *Adenia globosa* Engl. ssp. *pseudoglobosa* (Verdc.)  
De Wilde 7959  
V 6073 Kenya 7959
- V *Adenia karibaensis* de Wilde 7749  
V 6088 Zimbabwe (Zambezi valley) 20574
- R *Adenia metriosiphon* De Wilde 20057  
R 19109 Kenya 19109
- Ex *Adenia natalensis* W.J.de Wilde 20604  
Ex 20604 South Africa - Natal 20604
- R *Basananea parvifolia* (Baker f.) de Wilde 7749  
R Zimbabwe 7749
- R *Passiflora brevipes* Killip 9004  
R 11911 Belize 9004  
R 11911 Guatemala 9004
- V *Passiflora calcicola* Proctor 20883, 13336  
V 13336 Jamaica 20883
- R *Passiflora citrina* MacDougal 20883  
I 20883 Guatemala 20883  
I 20883 Honduras 20883
- I *Passiflora clypeophylla* Masters 9004  
I 10166 Guatemala 9004
- R *Passiflora colinvauxii* Wiggins 11117  
R Ecuador - Galapagos (Santa Cruz) 11117
- E *Passiflora colombiana* L. Escobar 20883  
I 20883 Colombia 20883
- V *Passiflora cumbalensis* var. *caucana* L.  
Escobar 20883  
I 20883 Colombia 20883
- E *Passiflora cumbalensis* var. *macrochlamys* (Harms.) L.  
Escobar 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Passifloraceae: *Passiflora*

- I 20883 Peru 20883
- E *Passiflora cumbalensis* var. *mesadenia* (Killip) L.  
Escobar 20883  
I 20883 Peru 20883
- V *Passiflora cumbalensis* var. *peruana* L.  
Escobar 20883  
I 20883 Peru 20883
- E *Passiflora cumbalensis* var. *pilosa* L.  
Escobar 20883  
I 20883 Ecuador 20883
- E *Passiflora dasyadenia* Urban 11840
- E *Passiflora deltoifolia* Holm-Nielsen & Lawesson 20883  
I 20883 Ecuador 20883
- R *Passiflora eggersii* Harms 11351  
R 11351 Ecuador 11351
- R *Passiflora emarginata* Humb. & Bonpl. 19352  
R 19352 Colombia 19352
- E *Passiflora eueidipabulum* Knapp & Mallet 20883, 10747  
R 17824 Costa Rica 17824  
I 20883 Panama (Colón) 20883
- E *Passiflora fernandezii* L. Escobar 20883  
I 20883 Bolivia 20883
- I *Passiflora flexipes* Triana & Planchon 19552  
I 19552 Colombia 19552
- E *Passiflora herbertiana* Ker-Gawler ssp. *insulaehowei*  
P. Green  
E 23 Australia - NSW - Lord Howe Is. 23
- E *Passiflora huamachucoensis* L. Escobar 20883, 18200  
V 18200 Peru 20883
- I *Passiflora insignis* (Mast.) Hook 19552  
I 19552 Bolivia 19552
- R *Passiflora lancetillensis* J. MacDougal 21323  
R 21326 Belize 21323
- R *Passiflora lancifolia* Desv. 20883  
R 20883 Jamaica 20883
- I *Passiflora leptomischa* Harms 19552  
I 19552 Colombia 19552
- E *Passiflora macdougaliana* Knapp & Mallet 20883, 10747  
I 20883 Panama (Colón) 20883
- R *Passiflora macfadyenii* Adams 20883, 13336  
R 13336 Jamaica 20883
- V *Passiflora montana* Holm-Nielsen & Lawesson 20883  
I 20883 Ecuador 20883
- R *Passiflora oblongata* Sw. 20883  
R 20883 Jamaica 20883
- R *Passiflora obovata* Killip 9004  
R 21323 Belize 9004  
R 21323 Costa Rica 17824  
R 21323 Guatemala 17824
- R *Passiflora palenquensis* Holm-Nielsen & Lawesson 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- E *Passiflora parritae* (Masters) Bailey 19552  
E 19552 Colombia 19552
- R *Passiflora pendens* J. MacDougal 17824  
R 17824 Mexico - Chiapas 17824
- E *Passiflora pergrandis* Holm-Nielsen & Lawesson 20883  
I 20883 Ecuador 20883

- I *Passiflora pterocarpa* J. MacDougal 17824  
I 10166 Guatemala 17824
- E *Passiflora rugosa* var. *venezolana* L.  
Escobar 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E *Passiflora runa* L. Escobar 20883, 18200  
R 19552 Peru 20883
- I *Passiflora semiciliosa* Planchon & Linden 19552  
I 19552 Colombia 19552
- R *Passiflora tica* Gómez-Laurito & L. D. Gómez 10166  
R 10166 Costa Rica 10166
- I *Passiflora triflora* Macf. 20883, 13336  
I 13336 Jamaica 20883
- V *Passiflora trifoliata* var. *tarmensis* L.  
Escobar 20883  
I 20883 Peru 20883
- I *Passiflora uncinata* J. MacDougal 17824  
I 17824 Mexico 17824
- E *Passiflora viridescens* L. Escobar 20883  
I 20883 Peru 20883
- E *Passiflora williamsii* Killip 20883, 10747  
I 20883 Panama (Canal Area, Coclé, Darién, Los Santos, Panamá) 20883
- R *Passiflora yucatanensis* Killip 9681  
R 21323 Mexico - Yucatan 9681
- R *Passiflora zamorana* Killip 11351  
R 11351 Ecuador 11351

Pedaliaceae

Number of genera:	20
Number of species:	80
Recorded threatened species:	3 (3%)

Mostly tropical, especially along seacoast or in arid regions, with only a few species in temperate climates.

- R *Proboscidea altheifolia* (Benth.) Decne 18200  
R 12468 Peru 18200
- R *Proboscidea sabulosa* Correll 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- E *Proboscidea spicata* Correll 20850  
E 20850 U.S. - Texas 20850

Pellicieraceae

Number of genera:	1
Number of species:	1
Recorded threatened species:	1 (100%)

Costa Rica, Panama, Columbia.

- I *Pelliciera rhizophorae* Triana & Planchon 9006  
I 17459 Costa Rica 9006  
V 16826 Nicaragua 16826  
V 19577 Panama 9006  
V 23 Colombia 9006  
V 23 Ecuador 9006



## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Penaeaceae: *Brachysiphon*

### Penaeaceae

Number of genera: 7  
 Number of species: 20  
 Recorded threatened species: 14 (70%)

Cape Province (South Africa), especially in the southwest.

- R** *Brachysiphon microphyllus* Rourke 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Brachysiphon mundii* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Brachysiphon rupestris* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Endonema lateriflora* (L.f.) Gülg 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Endonema retzioides* Sond. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Glischrocolla formosa* (Thunb.) R.Dahlgren 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Sonderothamnus petraeus* (W.F.Barker)  
 R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Sonderothamnus speciosus* (Sond.) R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Stylapterus barbatus* Juss. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Stylapterus dubius* (Steph.) R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Stylapterus ericifolius* (Juss.) R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Stylapterus ericoides* Adr. Juss. ssp.  
*ericoides* 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Stylapterus ericoides* Adr. Juss. ssp. *pallidus* R.  
 Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Stylapterus micranthus* R.Dahlgren 20604, 3374  
**E** 20604 South Africa - Cape Province 20604
- R** *Stylapterus sulcatus* R.Dahlgren 20604  
**R** 20604 South Africa - Cape Province 20604

### Pentaphragmataceae

Number of genera: 1  
 Number of species: 30  
 Recorded threatened species: 2 (6%)

Southeast Asia and nearby Pacific islands.

- R** *Pentaphragma honbaensis* Gagnepain 6057  
**R** Vietnam 6057
- I** *Pentaphragma winitii* Craib 19120  
**I** 19120 Thailand 19120

### Phytolaccaceae

Number of genera: 18  
 Number of species: 125  
 Recorded threatened species: 5 (4%)

Tropical and subtropical.

- R** *Nowickea glabra* J. Martinez & McDonald 14245  
**R** 14245 Mexico - Morelos 14245
- R** *Nowickea xolocotzii* J. Martinez & McDonald 14245

**R** 14245 Mexico - Jalisco 14245

**E** *Phytolacca icosandra* var. *anomala*

Proctor 20883

**E** 20883 Jamaica 20883

**V** *Phytolacca sandwicensis* Endl. 20850, 14209

**I** 20850 U.S. - Hawaii 20850

**V** *Phytolacca tetramera* Hauman 16336

**V** 20176 Argentina - Buenos Aires 20176

### Piperaceae

Number of genera: 10  
 Number of species: 1,400-2,000  
 Recorded threatened species: 162 (9%)

Tropical.

- R** *Macropiper melchior* 19305  
**R** 19305 New Zealand - North Is. (Three Kings Island)  
 19305
- E** *Peperomia abdita* Proctor 20883  
**E** 20883 Jamaica 20883
- R** *Peperomia acaulis* Alain 5607  
**R** 19105 Cuba 5607
- I** *Peperomia adamsonia* (F.Brown) Yuncker 20845  
**I** 20845 French Polynesia - Marquesas Is (Hiva Oa)  
 20845
- E** *Peperomia albescens* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Peperomia alpina* (Sw.) A. Dietr. 20883  
**R** 20883 Jamaica 20883
- I** *Peperomia andrei* C. DC. 16929  
**I** 16929 Colombia 16929
- R** *Peperomia austin-smithii* W. Burger 9037  
**R** 19754 Costa Rica 9037
- R** *Peperomia barbata* C.DC. 20883  
**R** 20883 Jamaica 20883
- R** *Peperomia barbata* C. DC. var. *barbata* C.  
 D.C. 20883  
**R** 20883 Jamaica 20883
- R** *Peperomia barbata* C. D.C. var. *puberula*  
 Yuncker 20883  
**R** 20883 Jamaica 20883
- R** *Peperomia barbinodis* Trel. 9037  
**R** 19754 Costa Rica 9037  
**R** 19754 Panama 9037
- E** *Peperomia bifrons* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Peperomia boninsimensis* Makino 8622  
**R** 19134 Japan - Kazan Retto (Minami-Iwojima)  
 8622  
**R** 19134 Japan - Ogasawara-shoto (Hahajima) 8622
- E** *Peperomia brevipeduncula* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Peperomia caliginigaudens* Trel. & Yuncker 16929  
**R** 11589 Colombia 16929
- Ex/E** *Peperomia carpinterana* C. DC. 9037  
**Ex/E** 19754 Costa Rica 9037  
**Ex/E** 19754 Guatemala 9037
- E** *Peperomia caudulilimba* C. DC. 20883, 9006  
**I** 20883 Panama 20883
- E** *Peperomia caudulilimba* (C. DC.) Yuncker var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Piperaceae: *Peperomia*

- cylindribacca* (C. DC.) Yuncker 20883, 10747  
 I 20883 Panama 20883
- E *Peperomia chiriquiensis* Yuncker 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia chrysleri* Yuncker 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia ciliolibractea* C. DC. 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia cocleana* Trel. 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia cordulata* C. DC. 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia cordulatiformis* Trel. 20883, 9006  
 I 20883 Panama 20883
- R *Peperomia crassicaulis* F. & R. 20883  
 R 20883 Jamaica 20883
- E *Peperomia crystallina* Ruiz Lopez & Pavon 18200  
 E 9446 Peru 18200
- E *Peperomia davidsonii* Yuncker 20883, 9006  
 I 20883 Panama 20883
- Ex/E *Peperomia degeneri* Yuncker 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Moloka'i - Kalua'aha)  
 20850
- E *Peperomia delascioi* Steyermark 20883  
 I 20883 Venezuela 20883
- E *Peperomia digitinervia* Trel. 20883, 9006  
 I 20883 Panama 20883
- V *Peperomia discolor* C. DC. 20883, 13336  
 V 13336 Jamaica (St. Thomas) 20883
- R *Peperomia esperanzana* Trel. 9037  
 R 19754 Costa Rica 9037
- R *Peperomia expallescens* C. DC. 20850, 14209  
 R 20850 U.S. - Hawaii (Moloka'i & Maui) 20850
- R *Peperomia fawcettii* C. DC. 20883, 19890  
 R 19890 Jamaica 20883
- E *Peperomia flexinervia* Yuncker 20883, 9006  
 I 20883 Panama 20883
- I *Peperomia glandulosa* C. DC. 16929  
 I 11589 Colombia 16929
- V *Peperomia guanensis* Trel. 5607  
 V 19105 Cuba (Pinar del Rio) 5607
- R *Peperomia harrisii* C. DC. 20883, 13336  
 R 13336 Jamaica (St. Andrew, Hanover) 20883
- V *Peperomia hendersonensis* Yuncker 8050  
 V 19185 Pitcairn (Henderson Is.) 8050
- Ex *Peperomia hirta* Balf.f. 5852  
 Ex 5852 Mauritius - Rodrigues (Mt Limon) 5852
- E *Peperomia hygrophiloides* C. DC. 20883, 9006  
 I 20883 Panama 20883
- E *Peperomia insueta* Trel. 20883, 9006  
 I 20883 Panama 20883
- V *Peperomia jamaicana* Yuncker 20883, 13336  
 V 13336 Jamaica (Portland) 20883
- V *Peperomia killipii* Trel. 20883, 9006, 21227  
 I 20883 Panama 20883
- R *Peperomia kotana* C. DC.  
 R Malaysia - Peninsular Malaysia (Kedah, Kelantan, Pahang)
- R *Peperomia lewisii* Proctor 20883, 13336  
 R 13336 Jamaica (Portland) 20883
- E *Peperomia limaensis* Trel.  
 E 9446 Peru 18200
- E *Peperomia machaerodonta* Trel. 20883, 10747  
 I 20883 Panama 20883
- E *Peperomia margaritifera* Bertero ex Hook. 19116  
 E 19125 Chile - Juan Fernandez Is. 19116
- E *Peperomia maxwelliana* C. DC. 20889, 10260  
 E 20889 Malaysia - Peninsular Malaysia 20889
- E *Peperomia megalopoda* Trel. 20883  
 I 20883 Puerto Rico 20883
- R *Peperomia montecristana* Trel. 9037  
 R 19754 Costa Rica 9037  
 R 19754 Nicaragua 9037
- E *Peperomia mutilata* Trel. 5607  
 E 19105 Cuba (Guantanamo) 5607
- R *Peperomia nakaharai* Hayata 20511  
 R 20511 Taiwan 20511
- E *Peperomia nievecitana* Trel. 20883  
 I 20883 Panama 20883
- E *Peperomia nonhispidula* Trel. 18200  
 E 9446 Peru 18200
- R *Peperomia obscurifolia* C. DC. 20883, 9006  
 R 20883 Panama 20883
- R *Peperomia obtusilimba* C. DC. 11117  
 R Ecuador - Galapagos 11117
- E *Peperomia pergladulosa* Yuncker 20883, 9006  
 I 20883 Panama 20883
- R *Peperomia petiolata* Hook.f. 11117  
 R Ecuador - Galapagos 11117
- V *Peperomia pitcairnensis* (Lauterbach) C. DC. 19185  
 V 19185 Pitcairn 19185
- E *Peperomia portobellensis* Beurl. 20883, 9006  
 I 20883 Panama 20883
- V *Peperomia proctorii* Yuncker 20883, 19890  
 R 19890 Jamaica 20883
- E *Peperomia pseudogalapagensis* Trel. 18200  
 E 9446 Peru 18200
- V *Peperomia reticulata* Balf.f. 5852  
 V 5852 Mauritius - Rodrigues 5852
- E *Peperomia rockii* C. DC. 20850, 14209  
 E 20850 U.S. - Hawaii (east Moloka'i) 20850
- Ex *Peperomia rodriguezii* Balf.f. 5852  
 Ex 5852 Mauritius - Rodrigues (Mont Piton) 5852
- E *Peperomia rossii* Rendle 881  
 E 14224 Australia - Christmas Is. 881
- I *Peperomia rubramenta* Trel. & Yuncker 16929  
 I 11589 Colombia 16929
- I *Peperomia santanderana* Trel. & Yuncker 16929  
 I 11589 Colombia 16929
- R *Peperomia septentrionalis* S. Brown  
 R Bermuda
- R *Peperomia simplex* Desv. ex Buch.-Ham. 20883  
 R 20883 Jamaica 20883
- V *Peperomia skottsbergii* C. DC. 19116  
 V 19125 Chile - Juan Fernandez Is. 19116
- E *Peperomia subpetiolata* Yuncker 20850, 14209  
 E 20850 U.S. - Hawaii (east Maui) 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Piperaceae: *Peperomia*

- R** *Peperomia tenellaeformis* Trel. 9037  
**R** 19754 Costa Rica 9037  
**R** 19754 Panama 10747
- E** *Peperomia umbelliformis* C. DC. 18200  
**E** 9446 Peru 18200
- E** *Peperomia umbrigaudens* Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Peperomia urocarpoides* C. DC. 20883, 9006  
**I** 20883 Panama 20883
- E** *Peperomia valliculae* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Peperomia vinasiana* C. DC. 9037  
**R** 19754 Costa Rica 19754
- E** *Peperomia wedelii* Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Peperomia wheeleri* Britt. 20883, 19738  
**I** 20883 Puerto Rico (N. coast of Culebra I.)  
 20883  
**I** 20883 USA - Virgin Is. 20883
- E** *Piper aequale* (Trel.) Yuncker var. *laurifolium*  
 (Trel.) Yuncker 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper aereum* Trel. 9037  
**R** 19754 Costa Rica 9037
- E** *Piper albopunctatissimum* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper albozonatum* C. DC. 16929  
**R** 11589 Colombia 16929
- I** *Piper amalago* (Griseb.) F. & R. var. *varitifolium*  
 (Griseb.) Fawc. & Rendle 20883, 13336  
**I** 13336 Jamaica (Manchester) 20883
- E** *Piper arboreum* Aublet ssp. *tuberculatum* (Jacq.)  
 Tebbs 18200  
**E** 9446 Peru 18200
- E** *Piper aristolochiaefolium* (Trel.) Yuncker 20883,  
 9006  
**I** 20883 Panama 20883
- V** *Piper artanthopse* C. DC. 9037  
**V** 19754 Costa Rica 9037
- E** *Piper augustum* var. *cocleanum* (Trel.)  
 Yuncker 20883  
**I** 20883 Panama 20883
- R** *Piper barberi* Gamble 20263  
**R** 13883 India - Tamil Nadu (southern W. Ghats)  
 13883
- E** *Piper brittonorum* Trel. 5607  
**E** 19105 Cuba (Juventud Is.) 5607
- E** *Piper campanum* Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper cativalense* Trel. 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper cojimaranum* Trel. 5607  
**E** 19105 Cuba (Ciud. Habana) 5607
- Ex** *Piper collinum* C. DC. 20742  
**Ex** 20742 Malaysia - Peninsular Malaysia 20742
- E** *Piper colon-insulae* Trel. 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper cooperi* Yuncker 20883, 10747  
**I** 20883 Panama 20883
- V** *Piper cordulatum* C. DC. 20883, 9006  
**V** 20883 Panama 20883
- R** *Piper corei* (Yuncker) Callejas 16929  
**R** 11589 Colombia 16929
- E** *Piper crassispicatum* Opiz 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper crenatifolium* Trel. & Yuncker 16929  
**R** 11589 Colombia 16929
- R** *Piper curtirachis* W. Burger 9037  
**R** 19754 Costa Rica 9037
- R** *Piper cuspidispicum* Trel. 9037  
**R** 19754 Costa Rica 9037
- E** *Piper davidsonii* Yuncker 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper deductum* Trel. 9037  
**R** 19754 Costa Rica 9037
- E** *Piper distigmatum* Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper erubescentspicum* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper fadyenii* C. DC. 20883  
**R** 20883 Jamaica 20883
- R** *Piper gesnerioides* Callejas 16929  
**R** 11589 Colombia 16929
- E** *Piper gonocarpum* Trel. 20883, 9006  
**I** 20883 Panama 20883
- V** *Piper guanacostense* C. DC. 9037  
**V** 19754 Costa Rica 9037
- V** *Piper guahacabibense* Borh.  
**V** 19105 Cuba (Pinar del Rio) 19105
- I** *Piper haprium* Buch.-Ham. ex Hook.f.  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu (Tirunelveli Hills)
- V** *Piper hirtellipetiolum* var. *harveyanum* (Trel.)  
 Yuncker 20883  
**I** 20883 Panama 20883
- E** *Piper hirtellipetiolum* var. *tapiantum* (Trel.)  
 Yuncker 20883  
**I** 20883 Panama 20883
- E** *Piper hispidum* Yuncker var. *ellipticifolium*  
 Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper humorigaudens* Trel. 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper infraluteum* Trel. 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper kawakamii* Hayata 20511  
**R** 20511 Taiwan 20511
- R** *Piper kwashoense* Hayata 20511  
**R** 20511 Taiwan 20511
- E** *Piper lucigaudens* C. DC. 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper lucigaudens* (Trel.) Yuncker var. *alleni*  
 (Trel.) Yuncker 20883, 9006  
**I** 20883 Panama 20883
- E** *Piper magnantherum* C. DC. 20883, 9006  
**I** 20883 Panama 20883
- R** *Piper maxonii* C. DC. 9037

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Piperaceae: *Piper*

- R 19754 Costa Rica 9037  
I 19754 Panama 9037
- E** *Piper maxonii* (Trel.) Yuncker var. *varium* (Trel.)  
Yuncker 20883, 10747  
I 20883 Panama 20883
- R** *Piper mestonii* Bailey 20681  
R 20681 Australia - Queensland 20681
- E** *Piper minute-scabiosum* Trel. 20883, 9037  
I 20883 Panama 20883
- E** *Piper monzonense* C. DC. 18200  
E 9446 Peru 18200
- I** *Piper moscopanense* Yuncker 16929  
I 11589 Colombia 16929
- R** *Piper mucronatum* C. DC.  
R Malaysia - Peninsular Malaysia
- I** *Piper palawanum* C. DC. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Piper parmatum* Dressler 20883, 9006  
I 20883 Panama 20883
- E** *Piper perbrevecaule* Yuncker var. *subglabrilimbum*  
Yuncker 20883, 9006  
I 20883 Panama 20883
- R** *Piper perditum* Trel.  
R 19105 Cuba (Pinar del Rio) 19105
- E** *Piper perlasense* Yuncker 20883, 9006  
I 20883 Panama 20883
- R** *Piper permolle* Trel. & Yuncker 16929  
R 11589 Colombia 16929
- I** *Piper perpunctatum* D. DC. 13833  
I 13833 Philippines (low altitude) 13833
- E** *Piper persubulatum* C. DC. 20883, 9006  
I 20883 Panama 20883
- E** *Piper peruligerum* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper pinoganense* Trel. 20883, 9006  
I 20883 Panama 20883
- V** *Piper pittieri* C. DC. 9037  
V 19754 Costa Rica 9037  
V 19754 Panama 9037
- R** *Piper poasanum* C. DC. 9037  
R 19754 Costa Rica 9037  
R 19754 Panama 9037
- E** *Piper postelsianum* Maxim. 8037  
E 19134 Japan - Ogasawara-shoto 8037
- E** *Piper pseudo-cativalense* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper pseudo-garagaranum* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper pubistipulum* C. DC. 20883, 9006  
I 20883 Panama 20883
- I** *Piper pykarahense* C. DC. 2268  
I India - Tamil Nadu (Nilgiri Hills) 2268
- R** *Piper reptabundum* C. DC. 9037  
R 19754 Costa Rica 9037  
R 19754 Panama 9006
- E** *Piper sambuanum* C. DC. 20883, 9006  
I 20883 Panama 20883
- R** *Piper scortechinii* C. DC.  
R Malaysia - Peninsular Malaysia
- I** *Piper scutilimbum* C. DC. 16929  
I 11589 Colombia 16929
- R** *Piper spoliatum* Trel. & Yuncker 16929  
R 11589 Colombia 16929
- E** *Piper stevensii* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper storkii* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper subcaudatum* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper subquinquenerve* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper subrepens* Trel. 20883, 9006  
I 20883 Panama 20883
- R** *Piper sumideranum* Trel. 5607  
R 19105 Cuba (Pinar del Rio) 5607
- E** *Piper tecumense* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper tocacheanum* C. DC. 18200  
E 9446 Peru 18200
- E** *Piper variitrichum* Yuncker 20883, 9006  
I 20883 Panama 20883
- R** *Piper verrucosum* Sw. 20883  
R 20883 Jamaica 20883
- E** *Piper via-chicoense* Yuncker 20883, 9006  
I 20883 Panama 20883
- E** *Piper viridicaule* Trel. 20883, 9006  
I 20883 Panama 20883
- E** *Piper wagneri* C. DC. 20883, 9006  
I 20883 Panama 20883
- R** *Piper yanacoenense* Trel. & Yuncker 16929  
R 11589 Colombia 16929
- R** *Piper zacatense* C. DC. 9037  
R 19754 Costa Rica 9037  
R 11967 Nicaragua 9426
- R** *Trianaepiper cuatrecasasii* Trel. & Yuncker 16929  
R 11589 Colombia 16929

**Pittosporaceae**

Number of genera:	9
Number of species:	200
Recorded threatened species:	36 (18%)

Tropical and warm temperate Old World, especially Australia.

- E** *Bentleya spinescens* E.M.Bennett 20681  
E 20681 Australia - Western Australia 20681
- R** *Billardiera granulata* (Turcz.) E.Bennett 20681  
R 20681 Australia - Western Australia 20681
- V** *Billardiera mollis* E.M.Bennett 20681  
V 20681 Australia - Western Australia 20681
- V** *Cheiranthra volubilis* Benth. 20681  
V 20681 Australia - South Australia 20681
- E** *Pittosporum aliferum* Veillon & Trel 20893  
E 20893 New Caledonia 20893
- V** *Pittosporum artense* Guillaumin 20893  
V 20893 New Caledonia 20893
- E** *Pittosporum balfourii* Cuf. 10082  
E 5852 Mauritius - Rodrigues (Grande Mt) 5852
- V** *Pittosporum beecheyi* Tuyama 20626

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Pittosporaceae: *Pittosporum*

- V 19134 Japan - Ogasawara-shoto 20626
- V *Pittosporum bracteolatum* Endl. 19108  
V Australia - Norfolk Is.
- E *Pittosporum brevispinum* Veillon & Tirel 20893  
E 20893 New Caledonia 20893
- V *Pittosporum chichijimense* Nakai 8038  
V 20626 Japan - Ogasawara-shoto 20626
- V *Pittosporum collinum* Guillaumin 20893  
V 20893 New Caledonia 20893
- V *Pittosporum dallii* Cheeseman 86  
V 19305 New Zealand - South Is. (Nelson) 20625
- I *Pittosporum eriocarpum* Royle 11494  
I 11494 India - Himachal Pradesh 11494  
I 11494 India - Uttar Pradesh (Kumaun) 11494
- R *Pittosporum erioloma* C. Moore & F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Pittosporum gatopense* Guillaumin 20893  
E 20893 New Caledonia 20893
- I *Pittosporum goetzei* Engl. 20556, 5926  
I 5926 Tanzania 5926
- E *Pittosporum gomonenense* Guillaumin 20893  
E 20893 New Caledonia 20893
- R *Pittosporum illiciooides* Makino var. *angustifolium*  
Lu 20854  
R 20854 Taiwan 20854
- I *Pittosporum lutchuense* Koidz. 10572  
I 10572 Japan 10572
- E *Pittosporum muricatum* Veillon & Tirel 20893  
E 20893 New Caledonia 20893
- E *Pittosporum napaliense* Sherff 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R *Pittosporum obcordatum* Raoul 86  
R 20625 New Zealand - North Is. 19305  
R 20625 New Zealand - South Is. 19305
- R *Pittosporum oreillyanum* C. White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E *Pittosporum ornatum* Veillon & Tirel 20893  
E 20893 New Caledonia 20893
- V *Pittosporum orohenense* J. Moore 20845  
V 20845 French Polynesia - Society Is. (Tahiti) 20845
- V *Pittosporum paniense* Guillaumin 20893  
V 20893 New Caledonia 20893
- E *Pittosporum parvifolium* Hayata 8038  
E 19134 Japan - Ogasawara-shoto 20626
- R *Pittosporum pimeleoides* ssp. *pimeleoides* 19305  
R 19305 New Zealand - North Is. 19305
- E *Pittosporum raivavaeense* H. Saint John 20845  
E 20845 French Polynesia - Tubuai Is. (Raivavae) 20845
- R *Pittosporum samoense* Christoph. 7925  
R Western Samoa (Savaii) 7925
- V *Pittosporum senecia* Pitt. ssp. *wrightii* (Hemsley) Cuf. 14296  
V 19182 Seychelles (granitic) 14296
- E *Pittosporum stenophyllum* Guillaumin 20893  
E 20893 New Caledonia 20893
- Ex *Pittosporum taniatum* Veillon & Tirel 20802

- Ex 20802 New Caledonia 20802
- R *Pittosporum terminalioides* Planch. ex Gray 20850, 14209  
I 20850 U.S. - Hawaii 20850
- V *Pittosporum turneri* Petrie 20625  
V 20625 New Zealand - North Is. 20625
- R *Pittosporum turnerii* 19305  
R 19305 New Zealand - North Is. 19305

Plantaginaceae

Number of genera: 3  
Number of species: 254  
Recorded threatened species: 33 (12%)

Cosmopolitan.

- V *Plantago algarbiensis* 17891  
V 20076 Portugal 17891
- V *Plantago almogravensis* 17891  
V 20076 Portugal 17891
- R *Plantago anatolica* B. Tutel & R. Mill 12840  
R 12840 Turkey 12840
- R *Plantago asiatica* L. var. *yakusimensis* (Masam.) Ohwi 10573  
R 10573 Japan 10573
- R *Plantago asphodeloides* Svent.  
R Spain - Canary Is.
- V *Plantago atrata* Hoppe ssp. *carpatica* (Pilger) Soó 19839  
V 19321 Slovakia 19321
- E *Plantago atrata* Hoppe ssp. *sudetica* (Pilger) Holub 2050  
E 19449 Czech Republic (Velká Kotlina cirque) 2050
- R *Plantago bismarckii* Niederl. 16336  
R 16336 Argentina 16336  
E 20137 Argentina - Buenos Aires 20137
- R *Plantago canescens* Adams ssp. *jurtzevii* Tzvelev 21309  
R 21309 Russia (E. Europe) - North 21309  
E former USSR 6930
- I *Plantago chamaeapsyllum* Zoh. 8895  
I Egypt  
I Israel 8895
- R *Plantago cladophylla* B.G. Briggs, Carolin & Pulley 20681  
R 20681 Australia - New South Wales 20681
- R *Plantago euphratica* Decne ex Barneoud 12840  
R 12840 Turkey 12840
- V *Plantago famarae* Svent. 20750  
V 20750 Spain - Canary Is. 20750
- E *Plantago fernandezia* Bertero 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Plantago galapagensis* Rahn 11117  
R Ecuador - Galapagos 11117
- E *Plantago hawaiiensis* (Gray) Pilger 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R *Plantago hedleyi* Maiden  
R 14226 Australia - NSW - Lord Howe Is. 14226
- V *Plantago holostea* Scop. var. *littoralis* (Rouy) Kérguélén 20528

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Plantaginaceae: *Plantago*

- V 20528 France (west) 20528
- V *Plantago leiopetala* Lowe  
V Portugal - Madeira
- E *Plantago libyca* Beguinot & Vaccari  
E Libya
- V *Plantago maderensis* Decaisne  
V Portugal - Madeira
- E *Plantago malato-belizii* Lawalree 17891  
E Portugal - Madeira 17891
- R *Plantago obconica* 19305  
R 19305 New Zealand - South Is. 19305
- R *Plantago palustris* L.Fraser & Vick. 20681  
R 20681 Australia - New South Wales 20681
- E *Plantago picta* Colenso 86  
E New Zealand - North Is.
- V *Plantago princeps* Cham. & Schldl. 20850, 14209  
I 14209 U.S. - Hawaii (O`ahu) 20850
- E *Plantago princeps* Cham. & Schldl. var. *anomala*  
Rock 20850  
E 20850 U.S. - Hawaii 20850
- E *Plantago princeps* Cham. & Schldl. var. *laxiflora*  
Gray 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R *Plantago princeps* Cham. & Schldl. var. *laxifolia*  
A.Gray 14209  
R 14209 U.S. - Hawaii 14209
- E *Plantago princeps* Cham. & Schldl. var.  
*longibracteata* Mann 20850, 14209  
E 20850 U.S. - Hawaii (Kaua`i & O`ahu) 20850
- E *Plantago princeps* Cham. & Schldl. var.  
*princeps* 20850  
E 20850 U.S. - Hawaii 20850
- R *Plantago reniformis* Beck 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- E *Plantago robusta* Roxb. 18996  
E 18996 St Helena 18996
- I *Plantago rupicola* Pilger 20845  
I 20845 French Polynesia - Tubuai Is. (Rapa)  
20845
- R *Plantago schwarzenbergiana* Schur 17786, 20171  
R 20686 Hungary 20686  
R 19949 Romania 20631  
I former European USSR
- V *Plantago sparsiflora* Michx. 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- E *Plantago spathulata* ssp. *picta* 19305  
E 19305 New Zealand - North Is. 19305
- R *Plantago subspathulata* Pilger  
R Portugal - Madeira
- I *Plantago tunetana* Murb.  
V Algeria  
I Tunisia

Plumbaginaceae

Number of genera: 12  
Number of species: 400  
Recorded threatened species: 180 (45%)

Widespread, especially Mediterranean.

- R *Acantholimon acerosum* Willd. var. *parvifolium*  
Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon caryophyllaceum* Boiss. ssp. *parviflorum*  
Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon confertiflorum* Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon damasanum* Mobayen var. *lancibracteatum*  
Bokhari 12840  
R 12840 Turkey 12840
- V *Acantholimon halophilum* Bokhari 12840  
V 12840 Turkey 12840
- R *Acantholimon knorringianum* Lincz.  
R former USSR 6930
- R *Acantholimon langaricum* O. & B. Fedtsch.  
R former USSR 6930
- R *Acantholimon puberulum* Boiss. & Bal. var.  
*longiscapum* Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon reflexifolium* Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon ruprechtii* Bunge  
R former USSR 6930
- R *Acantholimon saxifragiforme* (Hauskn. & Sint.) ex  
Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon spirizianum* Mobayen 12840  
R 12840 Turkey 12840
- R *Acantholimon strigillosum* Bokhari 12840  
R 12840 Turkey 12840
- R *Acantholimon ulicinum* (Will. ex Schultes) Boiss. var.  
*purpurascens* (Bokhari) Bokhari ex Edmondson 12840  
R 12840 Turkey 12840
- R *Armeria alpinifolia* Pau & Font Quer  
R Morocco
- Ex *Armeria arcuata* Welw. ex Boiss. & Reut. 20171  
Ex 8000 Portugal 8000
- V *Armeria berlingensis* Daveau 8000, 20171  
V 20076 Portugal (Ilha Berlenga) 8000
- V *Armeria colorata* Pau 11496  
V 11496 Spain 11496
- E *Armeria euscadiensis* Vivant  
E Spain
- E *Armeria helodes* F. Martini & Poldini 17891  
E 18264 Italy (Friuli-Venezia Giulia) 17891
- R *Armeria hispalensis* Pau 11496  
R 11496 Spain (Sevilla) 11496
- E *Armeria humilis* (Link) Schult. 8000, 20171  
E 20076 Portugal 8000
- R *Armeria maderensis* Lowe  
R Portugal - Madeira

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Plumbaginaceae: *Armeria*

- V *Armeria malinvaudii* Coste & Soulié 20528  
V 20528 France (Languedoc) 20528
- E *Armeria maritima* (Mill.) Willd. ssp. *barcensis*  
Siminkai 8000, 20171  
E 19949 Romania 8000
- E *Armeria maritima* (Miller) Willd. ssp. *interior*  
(Raup) Pors. 20850, 2063  
E 20850 Canada - Saskatchewan (L. Athabasca)  
20850
- I *Armeria maritima* (Mill.) Willd. ssp. *purpurea*  
(W.D.J.Koch) A.Löve & D.Löve 20171  
I Germany  
Ex 18154 Switzerland 18154
- Ex/E *Armeria pocutica* Pawl. 20171  
Ex/E 20655 Ukraine (Carpathian Mts) 20655
- E *Armeria pseudarmeria* (Murray) Mansf. 8000, 20171  
E 20076 Portugal (west-central - Cabo da Roca)  
8000
- V *Armeria rouyana* Daveau 8000, 20171  
V 20076 Portugal (south west) 8000
- V *Armeria sampaioi* (Bernis) Nieto Feliner 20076  
V 20076 Portugal 17891
- R *Armeria sancta* Janka 20171  
R Greece
- R *Armeria soleirolii* (Duby) Godr. 8000, 20171  
R 20528 France - Corsica 19174
- V *Armeria sulcitana* Arrigoni  
V 20805 Italy - Sardinia 20805
- R *Armeria trojana* Bokhari & Quezel 12840  
R 12840 Turkey 12840
- R *Armeria vandasii* Hayek 20171  
R (former) Yugoslavia
- V *Armeria velutina* Welw. ex Boiss. & Reut. 17891, 20171  
E 20076 Portugal (south) 17891  
V Spain (south west) 17891
- I *Armeria vestita* Willk. 11496  
I 11496 Spain 11496
- V *Armeria welwitschii* Boiss. 20171  
V 8322 Portugal 8322
- I *Ceratostigma stapfianum* Hoss. 19120  
I 19120 Thailand 19120
- R *Dyerophytum pendulum* (Balf. f.) Kuntze 15534  
R 15534 Yemen - Socotra 15534
- R *Dyerophytum socotrana* J.R. Edmondson 15534  
R 15534 Yemen - Socotra 15534
- V *Goniolimon graminifolium* (Aiton) Boiss. 20171  
V former European USSR
- R *Goniolimon heldreichii* Halácsy 20171  
R Greece
- V *Goniolimon italicum* Tammaro, Pignatti & Frizzi 18264  
V 18264 Italy (Abruzzi) 18264
- R *Goniolimon sartorii* Boiss. 20171  
R Greece
- I *Ikonnikovia kaufmanniana* (Regel) Lincz. 5942  
I 5942 Kazakhstan (south-east) 5942
- R *Limoniopsis davisii* BKokhari 12840  
R 12840 Turkey 12840
- V *Limonium acuminatum* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- R *Limonium album* (Coincy) Sennen 11496, 20171  
R 11496 Spain (Murcia) 11496
- V *Limonium algusae* (Brullo) Greuter 20744  
V 20744 Italy - Sicily (Isola di Linosa) 20744
- V *Limonium ampuriense* Arrigoni & Diana 18264  
V 18264 Italy - Sardinia 18264
- V *Limonium anatolicum* Hedge 12840  
V 12840 Turkey 12840
- R *Limonium angustibracteatum* Erben 20648  
R 20692 Spain (Levante) 20692
- V *Limonium antonii-llorensii* Llorens  
V Spain - Balearic Is.
- I *Limonium aragonense* (Debeaux) Pignatti 20171  
I 11496 Spain 11496
- E *Limonium arborescens* (Brouss.) Kuntze 17891  
E 19174 Spain - Canary Is. 17891
- R *Limonium arenosum* Erben  
R 11496 Spain (Murcia) 11496
- V *Limonium asterotrichum* (C.E.Salmon) C.E.Salmon 8000, 20171  
V 5204 Bulgaria (central) 5204
- R *Limonium bosanum* Arrigoni & Diana 18264  
R 18264 Italy - Sardinia 18264
- V *Limonium bourgeaui* (Webb) Kuntze 20750  
V 20750 Spain - Canary Is. 20750
- E *Limonium brassicifolium* (Webb & Berthel.)  
Kuntze 20171  
E 20750 Spain - Canary Is. 20750
- R *Limonium caesium* (Girard) Kuntze 20171  
R 20692 Spain (south-eastern provinces) 20692
- V *Limonium calcarae* (Tod. ex Janka) Pignatti 18264, 20171  
V 20738 Italy - Sicily 18264
- I *Limonium capense* (L.Bolus) L.Bolus 20604  
I 20604 South Africa - Cape Province 20604
- V *Limonium capitits-marci* Arrigoni & Diana 18264  
V 18264 Italy - Sardinia 18264
- R *Limonium carpathum* (Rech.f.) Rech.f. 20171  
R 20730 Greece - Crete (inc. Karpathos) 20730
- V *Limonium carthaginense* (Rouyh) Hubbart & Sand. 11496  
V 11496 Spain 11496
- I *Limonium castellonense* Erben & Podl.  
I 19174 Spain 19174
- Ex *Limonium catanense* (Tineo ex Lojac.) Brullo 20744  
Ex 20744 Italy - Sicily (Catania) 20744
- E *Limonium cavanillesii* Erben 19174  
E 20692 Spain (near Peñíscola) 19174
- R *Limonium cofrentanum* Erben 20648  
R 20692 Spain (near Cofrentes, Valencia province)  
20692
- R *Limonium coinnyi* Sennen 20171  
R 11496 Spain (Murcia) 11496
- E *Limonium compayonis* (Gren. & Billot) Kuntze  
E France
- R *Limonium cordatum* (L.) Mill. 20171  
R 20813 France 20813  
V Italy

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Plumbaginaceae: *Limonium*

- R** *Limonium cosyrense* (Guss.) Kuntze 20171  
R Italy - Sicily
- I** *Limonium cudayense* Sauvage & Vindt  
I Morocco
- I** *Limonium decumbens* (Boiss.) Kuntze 20604  
I 20604 South Africa - Cape Province 20604
- E** *Limonium dendroides* Svent. 17891  
E 19174 Spain - Canary Is. 17891
- R** *Limonium densiflorum* (Guss.) Kuntze 20171, 20744  
R 20744 Italy - Sicily (west coast) 20744
- R** *Limonium divaricatum* (Rouy) Brullo 20744  
R 20744 Italy - Sicily (west coast) 20744
- V** *Limonium dodartii* ssp. *lusitanicum* 17891  
V 20076 Portugal 17891
- Ex** *Limonium dubyi* (Gren. & Godr.) Kuntze 20171  
Ex 20528 France (south-west) 20528
- V** *Limonium duforei* (Girard) Kuntze 19174  
V 19174 Spain 19174
- E** *Limonium dufourei* (Girard) Kuntze 20171  
E 20692 Spain (Castellón & Valencia provinces) 20692
- V** *Limonium effusum* (Boiss.) O. Kuntz 12840  
V 12840 Turkey 12840
- V** *Limonium emarginatum* (Willd.) Kuntze 18223, 20171  
V 19052 United Kingdom - Gibraltar 19052
- V** *Limonium emporitanum* Fernandez Casas & Molero  
V 11496 Spain 11496
- V** *Limonium erectum* Erben  
V Spain
- E** *Limonium estevei* Fernandez Casas 19174  
E 19818 Spain 19174
- V** *Limonium etruscum* Arrigoni & Rizzotto 18264  
V 18264 Italy (Tuscany) 18264
- R** *Limonium eugeniae* Sennen 20171  
R 11496 Spain 11496
- R** *Limonium formenterae* Llorens  
R Spain - Balearic Is.
- R** *Limonium frederici* (Barbey) Rech.f. 20171  
R Greece
- E** *Limonium fruticans* (Webb) Kuntze 19174  
E 19174 Spain - Canary Is. 19174
- R** *Limonium furfuraceum* (Lag.) Kuntze 20171  
R 20692 Spain (Alicante) 20692
- R** *Limonium furnarii* Brullo 20744  
R 20744 Italy - Sicily 20744
- R** *Limonium gibertii* (Sennen) Sennen 19174, 20171  
R 19174 Spain 19174  
R Spain - Balearic Is.
- V** *Limonium glomeratum* (Tausch) Erben 20744  
V 20738 Italy - Sicily (Mazara del Vallo) 20744
- R** *Limonium grosii* Llorens  
R Spain - Balearic Is.
- R** *Limonium halophilum* Pignatti 20744  
R 20744 Italy - Sicily (Mazara del Vallo) 20744
- R** *Limonium hermaeum* (Pignatti) Pignatti 20171  
R Italy - Sardinia
- V** *Limonium hierapetrae* Rech. fil. 20730  
V 20730 Greece - Crete 20730
- V** *Limonium iconicum* (Boiss. & Heldr.) O. Kuntze 12840  
V 12840 Turkey 12840
- E** *Limonium imbricatum* (Webb & Berthel.) Hubbard. 19174  
E 19174 Spain - Canary Is. 19174
- V** *Limonium inarimense* (Guss.) Pignatti ssp. *inarimense* 20171  
V Italy (Campania) 20804  
V Italy - Sicily
- V** *Limonium insulare* (Beg. & Landi) Arrigoni & Diana 18264  
V 20805 Italy - Sardinia 18264
- R** *Limonium intermedium* (Guss.) Brullo 18264  
R 18264 Italy - Sicily 18264
- V** *Limonium ionicum* Brullo 20744  
V 20744 Italy - Sicily (Isola Bella) 20744
- V** *Limonium japygicum* (H. Groves) Pignatti 20171  
V Italy (Puglia) 20804
- V** *Limonium johannis* Pignatti 20171  
V Italy  
V Italy - Sicily
- R** *Limonium kraussianum* (Buchinger ex Boiss.) Kuntze 20604  
R 20604 South Africa - Cape Province 20604
- E** *Limonium laetum* (Nyman) Pignatti 18264, 20171  
E 20805 Italy - Sardinia 18264
- V** *Limonium lanceolatum* (Hoffmanns. & Link) Franco 20076  
V 20076 Portugal 17891
- E** *Limonium lausianum* Pignatti 20171  
E 20805 Italy - Sardinia 20805
- R** *Limonium letourneuxii* (Coss.) Pons & Quezel 10488  
R 14958 Algeria 10488
- V** *Limonium lilacinum* (Boiss. & Bal.) Wagenitz 12840  
V 12840 Turkey 12840
- R** *Limonium lilybaeum* Brullo 18264  
R 18264 Italy - Sicily 18264
- R** *Limonium lingua* (Pomel) Pons & Quezel 10488  
R 14958 Algeria 10488
- R** *Limonium lojaconoii* Brullo 20744  
R 20744 Italy - Sicily (Tràpani & Favignana Is.) 20744
- R** *Limonium lopadusanum* Brullo 20744  
R 20744 Italy - Sicily (Isola Pelagie) 20744
- R** *Limonium lucentinum* Pignatti & Freitag 20171  
R Spain
- E** *Limonium macrophyllum* (Brouss.) Kuntze 20750  
E 20750 Spain - Canary Is. 20750
- E** *Limonium macropterum* (Webb & Berthel.) Kuntze 20750  
E 20750 Spain - Canary Is. 20750
- E** *Limonium magallufianum* Llorens  
E Spain - Balearic Is.
- E** *Limonium majoricum* Pignatti 20171  
E Spain - Balearic Is.
- R** *Limonium majus* (Boiss.) Erben  
R Spain
- E** *Limonium malacitanum* B. Diez  
E 19818 Spain (Malaga) 19818
- R** *Limonium marisoliai* Llorens  
R Spain - Balearic Is.



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Plumbaginaceae: *Limonium*

- V *Limonium merxmulleri* Erben 18264  
V 18264 Italy - Sardinia 18264
- V *Limonium multiflorum* Erben 17891  
V 20076 Portugal 17891
- E *Limonium neo-castellonense* Socorro & Tarrega  
E Spain
- E *Limonium optima* Raimondo 20744  
E 20738 Italy - Sicily 20744
- V *Limonium opulentum* (Lojac.) Greuter 20744  
V 20744 Italy - Sicily (Porto Empedocle) 20744
- R *Limonium ovalifolium* (Poiret) Kuntze ssp. *canariense*  
Pignatti  
R Spain - Canary Is.
- R *Limonium ovalifolium* (Poiret) Kuntze ssp. *pyramidata*  
(Lowe) A. Hansen & Sunding  
R Portugal - Madeira
- R *Limonium pachynense* Brullo 18264  
R 18264 Italy - Sicily 18264
- V *Limonium panormitanum* (Tod.) Pignatti 20171  
V Italy - Sicily
- R *Limonium parvibracteatum* Pignatti 20171  
R 20692 Spain (Alicante) 20692
- V *Limonium parvifolium* (Tineo) Pignatti 8000, 20171  
V Italy  
V 20744 Italy - Sicily (Pantelleria) 20744
- E *Limonium pavonianum* Brullo 20744  
E 20738 Italy - Sicily (Cava d'Aliga, Sampieri) 20744
- V *Limonium perezii* (Stapf) Hubbard 20750  
V 20750 Spain - Canary Is. 20750
- R *Limonium ponzoii* (Fiori & Beg.) Brullo 20744  
R 20744 Italy - Sicily (west coast) 20744
- V *Limonium preauxii* (Webb & Berthel.) Kuntze 20750  
V 20750 Spain - Canary Is. 20750
- E *Limonium pseudodictyocladon* (Pign.) Llorens 11496  
E 11496 Spain - Balearic Is. (Mallorca) 11496
- E *Limonium pseudolaetum* Arrigoni & Diana 18264  
E 18264 Italy - Sardinia 18264
- V *Limonium puberulum* (Webb & Berthel.) Kuntze 20750  
V 20750 Spain - Canary Is. 20750
- R *Limonium pujosii* Sauvage & Vindt  
R Morocco
- E *Limonium pulviniforme* Arrigoni & Diana 18264  
E 18264 Italy - Sardinia 18264
- I *Limonium purpuratum* (L.) F.T.Hubb. ex  
L.H.Bailey 20604  
I 20604 South Africa - Cape Province 20604
- I *Limonium pycnanthum* (C. Koch) O. Kuntze 12840  
I 12840 Turkey 12840
- R *Limonium recurvum* C.E. Salmon 8000, 20171  
R 20587 United Kingdom (maritime cliffs, southern England) 19232
- E *Limonium redivivum* (Svent.) Kunkel & Sunding 19174  
E 20750 Spain - Canary Is. 19174
- V *Limonium remotispiculum* (Lacaita) Pignatti 18264, 20171  
V 18264 Italy (Campania, Basilicata, Calabria) 18264
- R *Limonium retusum* Llorens  
R Spain - Balearic Is.
- R *Limonium revolutum* Erben  
R Spain
- E *Limonium rigualii* M.B.Crespo & Erben 20648  
E 20692 Spain (north-east of Alicante province) 20692
- V *Limonium ruizii* (Font Quer) Fernandez Casas  
V Spain
- R *Limonium rumicifolium* (Svent.) Kunkel & Sunding 19174  
R 19174 Spain - Canary Is. 19174
- R *Limonium rungsii* Sauvage & Vindt  
R Morocco
- R *Limonium salsuginosum* (Boiss.) O. Kuntze  
R Spain
- V *Limonium santapolense* Erben 20648  
V 20692 Spain (near Santa Pola, Alicante Province) 20692
- R *Limonium scopulorum* M.B.Crespo & Erben 20701  
R 20690 Spain (La Marina Alta, Alicante) 20690
- R *Limonium selinuntinum* Brullo 20744  
R 20744 Italy - Sicily 20744
- E *Limonium spectabile* (Svent.) Kunkel & Sunding 17891  
E 19174 Spain - Canary Is. 17891
- V *Limonium strictissimum* 17891  
V 20726 France - Corsica 18264  
V 20805 Italy - Sardinia 17891
- V *Limonium subglabrum* Erben  
V Spain
- R *Limonium subrotundifolium* (Beguinot & Vaccari) Brullo  
R Libya
- R *Limonium sucronicum* Erben 20648  
R 20692 Spain (Albacete & Valencia) 20692
- E *Limonium sventenii* Santos & Fernandez Galvan 17891  
E 20750 Spain - Canary Is. 17891
- R *Limonium syracusanum* Brullo 20744  
R 20744 Italy - Sicily (east coast) 20744
- V *Limonium tabernense* Erben  
V Spain (gypsum soils)
- V *Limonium tamaricoides* Bokhari 12840  
V 12840 Turkey 12840
- E *Limonium tauromenitanum* Brullo 20744  
E 20738 Italy - Sicily 20744
- V *Limonium tenoreanum* (Guss.) Pignatti 20171  
V Italy
- R *Limonium tenuifolium* (Bertol. & Moris) 18264  
R 18264 Italy - Sardinia 18264
- R *Limonium teretifolium* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Limonium teuchirae* Brullo  
R Libya
- R *Limonium tharrosianum* Arrigoni & Diana 18264  
R 18264 Italy - Sardinia 18264
- V *Limonium thiniense* Erben 20648  
V Spain
- E *Limonium todaroanum* Raimonda & Pignatti 18264  
E 18264 Italy - Sicily 18264
- R *Limonium vanense* Kit Tan & Sorger 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Plumbaginaceae: *Limonium*

- R** *Limonium vestitum* (C.E.Salmon) C.E.Salmon 20171  
**R** (former) Yugoslavia
- R** *Limonium zeraphae* Brullo 13351  
**R** 13351 Malta 13351
- E** *Neogontscharovia mira* (Lincz.) Lincz.  
**E** Asiatic U.S.S.R. 6930
- R** *Neogontscharovia miranda* (Lincz.) Lincz.  
**R** Asiatic U.S.S.R. 6930

**Podostemaceae**

Number of genera: 40  
 Number of species: 200  
 Recorded threatened species: 20 (10%)

Mostly tropical, especially Asia and America.

- V** *Cladopus austrosatsumensis* (Koidz.) Ohwi 10572  
**V** 10572 Japan 10572
- V** *Cladopus doianus* Koriba 10572  
**V** 10572 Japan 10572
- E** *Dicraeanthus taylori* De Wilde & Guillaumet  
**E** Côte d'Ivoire
- R** *Diplobryum minutale* Cusson 6057  
**R** Vietnam 6057
- I** *Hydrobryopsis sessilis* (Willis) Engl.  
**I** India - Karnataka
- V** *Hydrobryum floribundum* Koidz. 10572  
**V** 10572 Japan 10572
- E** *Hydrobryum japonicum* Imamura 10572  
**E** 10572 Japan 10572
- V** *Hydrobryum puncticulatum* Koidz. 10572  
**V** 10572 Japan 10572
- I** *Indotristicha tirunelveliana* Sharma, Karthi. & Shetty 13883  
**I** 13883 India - Tamil Nadu (Tirunelveli Hills) 13883
- E** *Inversodicraea bowlingii* J.B. Hall 6072  
**E** 6072 Ghana 6072
- I** *Inversodicraea musciformis* G. Taylor  
**I** Cameroon (Kokeka Mts, Mba)
- E** *Ledermaniella bowlingii* (J. Hall) C. Cusset  
**E** Ghana (Kwahu-Ntoso, River Asuboni)
- E** *Marathrum allenii* Woods. 20883. 10747  
**I** 20883 Panama 20883
- E** *Marathrum cubanum* C. Wright 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- E** *Marathrum leptophyllum* Royen 20883  
**I** 20883 Panama 20883
- E** *Marathrum pusillum* Royen 20883  
**I** 20883 Panama 20883
- R** *Marathrum rubrum* 19850  
**R** 19850 Mexico 19850
- I** *Polypleurella micrantha* V. Royen 19120  
**I** 19120 Thailand 19120
- R** *Willisia selagonoides* (Bedd.) Warm. ex Willis 13883  
**R** 13883 India - Kerala 13883
- I** *Zeylanidium johnsonii* (Wight) Engl.  
**I** India - Kerala (Malabar)

**Polemoniaceae**

Number of genera: 18  
 Number of species: 300  
 Recorded threatened species: 102 (34%)

North temperate (Eurasia, Alaska to western South America), especially temperate North America.

- R** *Collomia debilis* Payson var. *camporum*  
**Payson** 20850  
**V** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850
- R** *Collomia macrocalyx* Leib. ex Brand 20850  
**E** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Oregon 20850
- R** *Collomia mazama* Coville 20850  
**R** 20850 U.S. - Oregon 20850
- V** *Collomia rawsoniana* Greene 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- E** *Collomia renacta* E. Joyal 20850  
**E** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Eriastrum abramsii* (Elmer) Mason 20850  
**I** 20850 U.S. - California 20850
- R** *Eriastrum brandegeae* Mason 20850  
**R** 20850 U.S. - California 20850
- E** *Eriastrum densifolium* (Benth.) H. Mason ssp. *sanctorum* (Milliken) H. Mason 20850  
**E** 20850 U.S. - California (Santa Ana River drainage) 20850
- V** *Eriastrum hooveri* (Jepson) Mason 20850  
**V** 20850 U.S. - California 20850
- R** *Eriastrum tracyi* Mason 20850  
**I** 20850 U.S. - California 20850
- V** *Gilia austrooccidentalis* (A. & V. Grant) A. & V. Grant 20850  
**I** 20850 U.S. - California 20850
- V** *Gilia brecciarum* M. E. Jones ssp. *jacens* (A. & V. Grant) Day 20850  
**I** 20850 U.S. - California 20850
- E** *Gilia caespitosa* Gray 20850  
**E** 20850 U.S. - Utah 20850
- R** *Gilia cana* (M.E. Jones) Heller 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Gilia caruifolia* Abrams 20850  
**I** 20850 U.S. - California 20850
- R** *Gilia diegensis* (Munz) A. & V. Grant 20850  
**I** 20850 U.S. - California 20850
- R** *Gilia formosa* Greene ex Brand 20883, 20850  
**R** 20883 Mexico 20883
- V** *Gilia haydenii* Gray 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Utah 20850
- R** *Gilia inyoensis* I.M. Johnston 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Gilia ludens* Shimmers 20850  
**R** 20850 U.S. - Texas 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polemoniaceae: *Gilia*

- E** *Gilia maculata* Parish 20850  
**E** 20850 U.S. - California 20850
- R** *Gilia mcvickerae* M.E. Jones 20850  
 20850 U.S. - Utah 20850  
**I** 20850 U.S. - Wyoming 20850
- R** *Gilia minor* A. & V. Grant 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Gilia nyensis* Reveal 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Gilia penstemonoides* M.E. Jones 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Gilia ripleyi* Barneby 20850  
**I** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Gilia scopulorum* M.E. Jones 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850
- R** *Gilia splendens* Dougl. ex Mason & A. Grant 20850  
**I** 20850 U.S. - California 20850
- R** *Gilia stenothyrsa* Gray 20850  
**E** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Utah 20850
- R** *Gilia tenuiflora* Benth. 20850  
**I** 20850 U.S. - California 20850
- V** *Gilia tenuiflora* Benth. ssp. *arenaria* (Benth.) A. & V. Grant 20850  
**V** 20850 U.S. - California 20850
- E** *Gilia tenuiflora* Benth. ssp. *hoffmannii* (Eastw.) A. & V. Grant 20850  
**E** 20850 U.S. - California 20850
- E** *Gilia tenuis* F.G. Sm. & Neese 20850  
**E** 20850 U.S. - Utah 20850
- V** *Ipomopsis aggregata* Grant & Wilken ssp. *weberi* Grant & Wilken 20850  
**E** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Ipomopsis congesta* (Hook.) V. Grant ssp. *crebrifolia* (Nutt.) Day 20850  
**E** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- V** *Ipomopsis globularis* (Brand) W.A. Weber 20850  
**I** 20850 U.S. - Colorado 20850
- R** *Ipomopsis longiflora* (Torr.) V. Grant ssp. *australis* Fletcher & W.L. Wagner 20883, 20850, 19002  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Nebraska 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Oklahoma 20850  
**I** 20850 U.S. - South Dakota 20850  
**I** 20850 U.S. - Texas 20850  
**I** 20850 U.S. - Utah 20850  
 20883 Mexico 20883
- V** *Ipomopsis minutiflora* (Benth.) V. Grant 20850, 10701  
**V** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Idaho 20850
- I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- E** *Ipomopsis polyantha* (Rydb.) V. Grant 20850  
**E** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850
- E** *Ipomopsis sancti-spiritus* Wilken & Fletcher 20850  
**E** 20850 U.S. - New Mexico 20850
- V** *Ipomopsis spicata* (Nutt.) V. Grant. ssp. *capitata* (Gray) V. Grant 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Ipomopsis spicata* (Nutt.) V. Grant ssp. *robruthii* Wilken & Hartman 20850, 10260  
**V** 20850 U.S. - Wyoming 20850
- V** *Ipomopsis spicata* (Nutt.) V. Grant. ssp. *tridactyla* (Rydb.) Wilken & Hartman 20850  
**V** 20850 U.S. - Utah 20850
- V** *Ipomopsis tenuifolia* (Gray) V. Grant 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Wyoming 20850
- V** *Leptodactylon californicum* Hook. & Arn. ssp. *tomentosum* Gordon 20850  
**V** 20850 U.S. - California 20850
- E** *Leptodactylon glabrum* Patterson & Yoder-Williams 20850  
**V** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Nevada 20850
- V** *Leptodactylon jaegeri* (Munz) Wherry 20850  
**V** 20850 U.S. - California 20850
- R** *Leptodactylon watsonii* (Gray) Rydb. 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**R** 20850 U.S. - Utah 20850  
**E** 20850 U.S. - Wyoming 20850
- V** *Linanthus acicularis* Greene 20850  
**V** 20850 U.S. - California 20850
- R** *Linanthus ambiguus* (Rattan) Greene 20850  
**R** 20850 U.S. - California 20850
- V** *Linanthus bellus* (Gray) Greene 20883, 20850, 19002  
**I** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883
- V** *Linanthus breviculus* (Gray) Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Linanthus concinnus* Milliken 20850  
**V** 20850 U.S. - California 20850
- R** *Linanthus dichotomus* Benth. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**E** 20850 U.S. - Utah 20850
- R** *Linanthus floribundus* (Gray) Greene & Milliken ssp. *hallii* (Jepson) Mason 20850  
**V** 20850 U.S. - California 20850
- R** *Linanthus grandiflorus* (Benth.) Greene 20850  
**R** 20850 U.S. - California 20850
- Ex/E** *Linanthus harknessii* (Curran) E. Greene ssp. *condensatus* Mason 20850  
**Ex/E** 20850 U.S. - California 20850
- V** *Linanthus killipii* Mason 20850  
**V** 20850 U.S. - California 20850
- R** *Linanthus liniflorus* (Benth.) Greene 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polemoniaceae: *Linanthus*

- I 20850 U.S. - California 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- R** *Linanthus nudatus* Greene 20850  
 V 20850 U.S. - California 20850
- V** *Linanthus nuttallii* T.W. Nelson & Patterson ssp.  
*howellii* T.W. Nelson & Patterson 20850  
 V 20850 U.S. - California 20850
- V** *Linanthus pachyphyllus* Patterson 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- V** *Linanthus pygmaeus* (Brand) J. T. Howell ssp.  
*pygmaeus* 20850  
 V 20850 U.S. - California 20850
- V** *Linanthus serrulatus* Greene 20850  
 I 20850 U.S. - California 20850
- R** *Navarretia cotulifolia* (Benth.) Hook. & Arn. 20850  
 I 20850 U.S. - California 20850
- R** *Navarretia filicaulis* (Torr. ex Gray) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Navarretia fossalis* Moran 20883, 20850, 8058  
 V 20850 U.S. - California 20850  
 I 20883 Mexico 20883  
 ? Mexico - Baja California Peninsula 8058
- R** *Navarretia heterodoxa* (Greene) Greene 20850  
 I 20850 U.S. - California 20850
- R** *Navarretia jepsonii* V. Bailey ex Jepson 20850  
 I 20850 U.S. - California 20850
- V** *Navarretia leucocephala* Benth. ssp. *bakeri* (Mason)  
 Day 20850  
 V 20850 U.S. - California 20850
- E** *Navarretia leucocephala* Benth. ssp. *pauciflora*  
 (Mason) Day 20850  
 E 20850 U.S. - California 20850
- E** *Navarretia leucocephala* Benth. ssp. *pliantha*  
 (Mason) Day 20850  
 E 20850 U.S. - California 20850
- E** *Navarretia myersii* Allen & Day 20850  
 E 20850 U.S. - California 20850
- V** *Navarretia nigelliformis* Greene ssp. *radians* (J.T.  
 Howell) Day 20850  
 V 20850 U.S. - California 20850
- R** *Navarretia prolifera* E. Greene ssp. *lutea* (Brand)  
 Mason 20850  
 R 20850 U.S. - California 20850
- V** *Navarretia prostrata* (Gray) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Navarretia rosulata* Brand 20850  
 V 20850 U.S. - California 20850
- E** *Navarretia setiloba* Coville 20850  
 E 20850 U.S. - California 20850
- V** *Phlox amabilis* Brand 20850  
 I 20850 U.S. - Arizona 20850
- R** *Phlox bifida* Beck ssp. *stellaris* (Gray)  
 Wherry 20850  
 V 20850 U.S. - Arkansas 20850  
 Ex/E 20850 U.S. - Illinois 20850  
 E 20850 U.S. - Indiana 20850  
 V 20850 U.S. - Kentucky 20850  
 V 20850 U.S. - Missouri 20850
- R** 20850 U.S. - Tennessee 20850
- V** *Phlox buckleyi* Wherry 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850
- V** *Phlox cluteana* A. Nels. 20850  
 V 20850 U.S. - Arizona 20850  
 I 20850 U.S. - New Mexico 20850  
 V 20850 U.S. - Utah 20850
- R** *Phlox dispersa* C.W. Sharsmith 20850  
 R 20850 U.S. - California 20850
- V** *Phlox dolichantha* Gray 20850  
 V 20850 U.S. - California 20850
- R** *Phlox drummondii* (Wherry) Wherry ssp. *johnstonii*  
 (Wherry) Wherry 20850  
 R 20850 U.S. - Texas 20850
- V** *Phlox floridana* Benth. 20850  
 I 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850
- V** *Phlox gladiformis* (M.E. Jones) E. Nels. 20850  
 V 20850 U.S. - Nevada 20850  
 V 20850 U.S. - Utah 20850
- R** *Phlox griseola* Wherry 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - Nevada 20850  
 E 20850 U.S. - Utah 20850
- E** *Phlox hirsuta* E. Nels. 20850  
 E 20850 U.S. - California 20850
- E** *Phlox idahonis* Wherry 20850  
 E 20850 U.S. - Idaho 20850
- V** *Phlox jonesii* Wherry 20850  
 I 20850 U.S. - Utah 20850
- R** *Phlox kelseyi* Britt. ssp. *salina* (M.E. Jones)  
 Wherry 20850  
 I 20850 U.S. - Colorado 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Nevada 20850
- V** *Phlox longipilosa* Waterfall 20850  
 V 20850 U.S. - Oklahoma 20850
- V** *Phlox missoulensis* Wherry 20850  
 V 20850 U.S. - Montana 20850
- V** *Phlox nivalis* Lodd. ssp. *texensis*  
 Lundell 20850, 14871  
 V 20850 U.S. - Texas (east Texas) 20850
- V** *Phlox oklahomensis* Wherry 20850  
 I 20850 U.S. - Arkansas 20850  
 V 20850 U.S. - Kansas 20850  
 I 20850 U.S. - Nebraska 20850  
 E 20850 U.S. - Oklahoma 20850  
 E 20850 U.S. - Texas 20850
- V** *Phlox pungens* Dorn 20850  
 V 20850 U.S. - Wyoming 20850
- V** *Phlox richardsonii* Benth. ssp.  
*richardsonii* 20850  
 I 20850 Canada - Franklin 20850  
 I 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- R** *Phlox sibirica* L. 20850  
 I 20850 Canada - Franklin 20850  
 I 20850 Canada - Yukon Territory 20850
- R** *Polemonium caeruleum* L. var. *nipponicum* K.  
 Ito 10573

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polemoniaceae: *Polemonium*

- R 10573 Japan 10573
- E** *Polemonium chartaceum* Mason 20850  
 E 20850 U.S. - California 20850  
 E 20850 U.S. - Nevada 20850
- R** *Polemonium eximium* Greene 20850  
 I 20850 U.S. - California 20850
- E** *Polemonium kiushianum* Kitam. 10573  
 E 10573 Japan 10573
- E** *Polemonium nevadense* Wherry 20850  
 E 20850 U.S. - Nevada 20850
- E** *Polemonium occidentale* Greene ex Brand ssp. *lacustris* Wherry 20850  
 I 20850 U.S. - Minnesota 20850  
 E 20850 U.S. - Wisconsin 20850
- R** *Polemonium pauciflorum* S.Watson 20883, 20850, 19002  
 I 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Texas 20850  
 20883 Mexico 20883
- E** *Polemonium pauciflorum* S.Watson ssp. *hinckleyi* (Standl.) Wherry 20850  
 E 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Texas 20850
- E** *Polemonium pectinatum* Greene 20850  
 E 20850 U.S. - Washington 20850
- R** *Polemonium vanbruntiae* Britt. 20850  
 E 20850 Canada - New Brunswick 20850  
 E 20850 Canada - Quebec 20850  
 E 20850 U.S. - Maine 20850  
 V 20850 U.S. - Maryland 20850  
 Ex 20850 U.S. - New Jersey 20850  
 R 20850 U.S. - New York 20850  
 E 20850 U.S. - Pennsylvania 20850  
 V 20850 U.S. - Vermont 20850  
 V 20850 U.S. - West Virginia 20850

**Polygalaceae**

Number of genera: 12  
 Number of species: 750  
 Recorded threatened species: 92 (12%)

Nearly cosmopolitan.

- R** *Comesperma breviflorum* Pedley 20681  
 R 20681 Australia - Queensland 20681
- V** *Comesperma oblongatum* (R.Br.ex Benth.) Pedley 20681  
 V 20681 Australia - Queensland 20681
- R** *Comesperma praecelsum* F.Muell. 20681  
 R 20681 Australia - Queensland 20681
- V** *Monnina amplibracteata* Ferreyra 18200  
 V 12468 Peru 18200
- V** *Monnina confusa* Ferreyra 18200  
 V 12468 Peru 18200
- V** *Monnina ebracteata* Ferreyra 18200  
 V 12468 Peru 18200
- V** *Monnina gaudroniana* Ferreyra 18200  
 V 12468 Peru 18200
- E** *Monnina huallagensis* Chodat 18200  
 E 9446 Peru 18200
- I** *Monnina idroboana* Ferreyra 19352  
 I 19352 Colombia 19352
- R** *Monnina macrostachya* Ruiz Lopez & Pavon 18200  
 R 9446 Peru 18200
- V** *Monnina membranifolia* Ferreyra 18200

- V 12468 Peru 18200
- E** *Monnina polystachya* Ruiz Lopez & Pavon 18200  
 E 9446 Peru 18200
- E** *Monnina ruiziana* Chodat 18200  
 E 9446 Peru 18200
- V** *Monnina sanmarcosana* Ferreyra 18200  
 V 12468 Peru 18200
- V** *Monnina soukupiana* Ferreyra 18200  
 V 12468 Peru 18200
- V** *Monnina valcarceliana* Ferreyra 18200  
 V 12468 Peru 18200
- E** *Monnina woytkowskii* Ferreyra 18200  
 E 20046 Peru 18200
- V** *Monnina wurdackii* Ferreyra 18200  
 V 12468 Peru 18200
- I** *Muraltia aciphylla* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Muraltia alba* Levyns 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Muraltia angustiflora* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- V** *Muraltia barkerae* Levyns 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Muraltia bondii* Vlok 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Muraltia calycina* Harv. 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Muraltia chamaepitys* Chodat 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Muraltia comptonii* Levyns 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Muraltia concava* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Muraltia cuspidata* Chodat 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Muraltia elsieae* Paiva 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Muraltia ferox* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Muraltia guthriei* Levyns 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Muraltia harveyana* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Muraltia hirsuta* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- I** *Muraltia karroica* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Muraltia pottebergensis* Levyns 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Muraltia satureioides* DC. var. *salteri* Levyns 20604  
 E 20604 South Africa - Cape Province 20604
- R** *Polygala anderssonii* Robinson 11117  
 R Ecuador - Galapagos (Isabela, Santiago, south Cruz) 11117
- Ex/E** *Polygala antillensis* Chodat 5710  
 Ex/E 5710 Martinique (heights of Saint-Pierre) 5710

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygalaceae: *Polygala*

- R *Polygala arcuata* Hayata 17617  
R 20854 Taiwan 11139
- V *Polygala aschersoniana* Chodat  
V Libya
- V *Polygala balduinii* Nutt. var. *carteri* (Small)  
R.R.Sm. & Ward 20883  
R 20883 Cuba 20883
- R *Polygala bennae* Jacq.-Fel. 7926  
R Guinea 7926
- V *Polygala boykinii* Nutt. var. *sparsifolia*  
Wheelock 20850  
V 20850 U.S. - Florida 20850
- I *Polygala brachyptera* Griseb. 5607  
I 19105 Cuba 5607
- R *Polygala carueliana* (A.W.Benn.) Burnat ex  
Caruel 20171  
R Italy
- R *Polygala cowellii* (Britt.) Blake 20883, 10197  
R 20883 Puerto Rico 20883
- R *Polygala cristata* P. Taylor 7926  
R Sierra Leone 7926
- I *Polygala dasyphylla* Levyns 20604  
I 20604 South Africa - Cape Province 20604
- I *Polygala dispar* Ghazanfar 20146  
I 20146 Oman (western Hajar) 20146
- R *Polygala doerfleri* Hayek 20178, 20171  
R 20178 Albania 20178
- E *Polygala dukei* Barringer 20883, 10073  
I 20883 Panama 20883
- E *Polygala esteræ* Chod. 20604  
E 20604 South Africa - Cape Province 20604
- E *Polygala fendleri* Blake var. *heterothrix*  
Blake 20883, 9006  
I 20883 Panama 20883
- R *Polygala fransisci* Exell 7749  
R Mozambique 7749
- R *Polygala galapageia* Hook.f. var. *galapageia*  
11117  
R Ecuador - Galapagos 11117
- R *Polygala galapageia* Hook.f. var. *insularis* (A.W.  
Bennett) Robinson 11117  
R Ecuador - Galapagos 11117
- V *Polygala helenæ* Greuter  
V Greece
- R *Polygala heterorhyncha* (Barneby) T. Wendt 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R *Polygala hispida* (Burch.) DC. 20039  
R 20039 Southern Africa 20039  
I 20039 Swaziland 20039
- R *Polygala hookeri* Torr. & Gray 20850  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Mississippi 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Texas 20850
- V *Polygala inexpectata* Pesman & Erik 12840  
V 12840 Turkey 12840
- E *Polygala jefensis* W.H. Lewis 20883, 9006  
I 20883 Panama 20883
- I *Polygala langebergensis* Levyns 20604  
I 20604 South Africa - Cape Province 20604
- V *Polygala leptostachys* Shuttlw. 20850  
R 20883 U.S. - Florida 20883  
E 20883 U.S. - Georgia 20883  
? 20883 U.S. - Mississippi 20883
- V *Polygala lewtonii* Small 20850, 18134  
V 20850 U.S. - Florida 20850
- R *Polygala luteo-alba* Gagnepain 6057  
R Vietnam 6057
- V *Polygala maravillasensis* Correll 20850  
E 20850 U.S. - Texas 20850
- I *Polygala messambuziensis* Paiva  
I Mozambique
- R *Polygala minutifolia* Rose 10059  
R 10059 Mexico 10059
- R *Polygala murati* J. Felix ssp. *murati*  
R Chad
- R *Polygala murati* J. Felix ssp. *purpurea* Carv.Vasc.  
& Gillet  
R Chad
- V *Polygala panamensis* Chod. 20883, 9006  
I 20883 Panama 20883
- R *Polygala pisauraensis* Caldesi 18264, 20171  
R 18264 Italy (Marches) 18264
- I *Polygala pottebergensis* Levyns 20604  
I 20604 South Africa - Cape Province 20604
- R *Polygala praticola* Chodat 20604  
R 20604 South Africa - Natal 20604
- R *Polygala pruinosa* Boiss. ssp. *megaptera*  
Cullen 12840  
R 12840 Turkey 12840
- R *Polygala rhynchosperma* Blake 5607  
E 20883 Cuba 20883
- V *Polygala rimulicola* Steyermark 20850  
V 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- E *Polygala rimulicola* Steyermark var. *mescalorum*  
T. Wendt & T.K. Todsén 20850  
E 20850 U.S. - New Mexico 20850
- V *Polygala rimulicola* Steyermark var.  
*rimulicola* 20850  
V 20850 U.S. - New Mexico (Carlsbad Cavern NP)  
20850  
V 20850 U.S. - Texas 20850
- R *Polygala rusbyi* Greene 20850  
R 20850 U.S. - Arizona 20850
- R *Polygala sardoæ* Chodat 20171  
R Italy - Sardinia
- E *Polygala sinisca* Arrigoni 18264  
E 18264 Italy - Sardinia 18264
- E *Polygala smallii* R.R. Sm. & Ward 20850  
E 20850 U.S. - Florida (Broward & Dade Counties)  
20850
- E *Polygala supina* Schreb. ssp. *hospita* (A. Kerner)  
McNeill 17823, 20171  
E 19949 Romania 17823
- I *Polygala tenuicaulis* Hook.f.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygalaceae: *Polygala*

- I Cameroon (Cameroon mt)
- R *Polygala torrei* Exell 7749  
R Mozambique 7749
- I *Polygala tricholopha* Chodat  
I India - Assam  
I India - Meghalaya
- R *Polygala vayredae* Costa 20171  
R Spain
- I *Polygala wilsonii* Small ex Britton & Millsp.  
I 4650 Bahamas 4650
- E *Polygala wurdackiana* W.H. Lewis 20883, 9006  
I 20883 Panama 20883
- I *Securidaca atro-violacea* Elm. 13833  
I 13833 Philippines (Palawan) 13833
- I *Securidaca lophosoma* (Blake) Cheesman 5932  
I 5932 Trinidad & Tobago (Trinidad) 5932
- R *Securidaca macrophylla* (Benth.) Wurd. 8679  
R French Guiana 8679
- R *Securidaca pyramidalis* Sprague 8679  
R Guyana 8679
- R *Xanthophyllum annamense* Gagnepain 6057  
R Vietnam 6057

**Polygonaceae**

Number of genera: 30  
Number of species: 1,000  
Recorded threatened species: 228 (22%)

Mainly temperate Northern Hemisphere.

- R *Aristocapsa insignis* (Curran) Reveal & Hardham 20850  
R 20850 U.S. - California 20850
- I *Atraphaxis muschketowii* Krasn. 5942  
I 5942 Kazakhstan 5942
- I *Atraphaxis teretifolia* (Popov) Komarov 5942  
I 5942 Kazakhstan 5942
- R *Bistorta hayachinensis* (Makino) Gross 10572  
R 10572 Japan 10572
- I *Calligonum bakuense* Litv.  
I 5942 Azerbaijan (Baku) 5942
- E *Calligonum calvescens* Maire 10487  
E 14958 Algeria 10487
- V *Calligonum polygonoides* L. ssp. *polygonoides*  
Soskov 16168  
V 16168 Egypt 16168
- I *Calligonum triste* Litv. 5942  
I 5942 Kazakhstan 5942
- V *Chorizanthe angustifolia* Nutt. 20850  
I 20850 U.S. - California 20850
- R *Chorizanthe biloba* Goodman 20850  
I 20850 U.S. - California 20850
- E *Chorizanthe biloba* Goodman var. *immemora* Reveal & Hardham 20850  
E 20850 U.S. - California 20850
- V *Chorizanthe breweri* S.Watson 20850  
V 20850 U.S. - California 20850
- R *Chorizanthe clevelandii* Parry 20850  
I 20850 U.S. - California 20850
- R *Chorizanthe cuspidata* S.Watson 20850  
I 20850 U.S. - California 20850

- V *Chorizanthe cuspidata* S.Watson var. *cuspidata* 20850  
V 20850 U.S. - California 20850
- E *Chorizanthe cuspidata* S.Watson var. *villosa* (Eastw.) Munz 20850  
E 20850 U.S. - California 20850
- R *Chorizanthe diffusa* Benth. 20850  
I 20850 U.S. - California 20850
- R *Chorizanthe fimbriata* Nutt. 20850  
I 20850 U.S. - California 20850
- E *Chorizanthe howellii* Goodman 20850  
E 20850 U.S. - California 20850
- R *Chorizanthe membranacea* Benth. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Chorizanthe obovata* Goodman 20850  
I 20850 U.S. - California 20850
- E *Chorizanthe orcuttiana* Parry 20850  
E 20850 U.S. - California 20850
- R *Chorizanthe palmeri* S.Watson 20850  
I 20850 U.S. - California 20850
- Ex/E *Chorizanthe parryi* S.Watson var. *ferandina* (S. Watson) Jepson 20850  
Ex/E 20850 U.S. - California 20850
- E *Chorizanthe pungens* Benth. 20850  
I 20850 U.S. - California 20850
- E *Chorizanthe pungens* Benth. var. *hartwegiana* Reveal & Hardham 20850  
E 20850 U.S. - California 20850
- V *Chorizanthe pungens* Benth. var. *pungens* 20850  
V 20850 U.S. - California 20850
- V *Chorizanthe rectispina* Goodman 20850  
E 20850 U.S. - California 20850
- V *Chorizanthe robusta* Parry 20850, 19002  
I 20850 U.S. - California 20850
- E *Chorizanthe robusta* Parry var. *hartwegii* (Benth.) Reveal & Morgan 20850  
E 20850 U.S. - California 20850
- E *Chorizanthe robusta* Parry var. *robusta* 20850  
E 20850 U.S. - California 20850
- V *Chorizanthe spinosa* S.Watson 20850  
V 20850 U.S. - California 20850
- R *Chorizanthe stellulata* Benth. 20850  
I 20850 U.S. - California 20850
- R *Chorizanthe uniaristata* Torr. & Gray 20850  
I 20850 U.S. - California 20850
- E *Chorizanthe valida* S.Watson 20850  
E 20850 U.S. - California 20850
- R *Chorizanthe ventricosa* Goodman 20850  
I 20850 U.S. - California 20850
- V *Chorizanthe xantii* S.Watson var. *leucotheca* Goodman 20850  
V 20850 U.S. - California 20850
- E *Coccoloba acuna* Howard 5607  
E 19105 Cuba (Holguin) 5607
- V *Coccoloba caravellae* Sastre & Fiard 19001  
V 19001 Martinique (Domaine de la Caravelle) 5710

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Coccoloba*

- E** *Coccoloba clementis* Howard 5607  
E 19105 Cuba (Holguin) 5607
- R** *Coccoloba conduplicata* Maguire 8679  
R 8679 Suriname 8679
- V** *Coccoloba coriacea* A. Rich. 5607  
V 19105 Cuba (Pinar del Rio) 5607
- I** *Coccoloba fawcettii* Schmidt 21008  
I 21008 Dominican Republic (Barahona) 21008
- E** *Coccoloba lasserii* Lund. 20883, 9006  
I 20883 Panama 20883
- V** *Coccoloba manzanillensis* Beurl. 20883, 9006  
V 20883 Panama 20883
- V** *Coccoloba munizii* Borh. 5607  
V 19105 Cuba (Guantanamo) 5607
- E** *Coccoloba pallida* C. Wright 20883  
I 20883 Puerto Rico 20883
- R** *Coccoloba plumieri* Griseb. 20883  
R 20883 Jamaica 20883
- V** *Coccoloba priorii* Fawcett & Rendle 20883  
V 20883 Jamaica 20883
- E** *Coccoloba proctorii* Howard 20883, 13336  
E 13336 Jamaica 20883
- E** *Coccoloba retirensis* Howard 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V** *Coccoloba rugosa* Desf. 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R** *Coccoloba toaensis* Alain 5607  
R 19105 Cuba (Guantanamo) 5607
- R** *Coccoloba troyana* Urb. 20883  
R 20883 Jamaica 20883
- I** *Coccoloba zebra* Griseb. 20883, 13336  
I 13336 Jamaica 20883
- V** *Dedeckera eurekaensis* Reveal & J.T. Howell 20850  
V 20850 U.S. - California 20850
- E** *Dodecahema leptoceras* (Gray ex Benth.) Reveal & Hardham 20850  
E 20850 U.S. - California 20850
- R** *Eriogonum acaule* Nutt. 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - Idaho 20850  
R 20850 U.S. - Wyoming 20850
- V** *Eriogonum aliquantum* Reveal 20850  
V 20850 U.S. - New Mexico 20850
- V** *Eriogonum alpinum* Engelm. 20850  
V 20850 U.S. - California 20850
- V** *Eriogonum ammophilum* Reveal 20850  
I 20850 U.S. - Utah 20850
- R** *Eriogonum ampullaceum* J.T. Howell 20850  
R 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- V** *Eriogonum anemophilum* Greene 20850  
V 20850 U.S. - Nevada 20850
- E** *Eriogonum apachense* Reveal 20850  
E 20850 U.S. - Arizona 20850
- R** *Eriogonum apiculatum* S.Watson 20850  
I 20850 U.S. - California 20850
- V** *Eriogonum apricum* J.T. Howell 20850  
I 20850 U.S. - California 20850
- V** *Eriogonum apricum* J. Howell var. *apricum* 20850  
V 20850 U.S. - California 20850
- E** *Eriogonum apricum* J. Howell var. *prostratum* Myatt 20850  
E 20850 U.S. - California 20850
- E** *Eriogonum arborescens* Greene 20850  
I 20850 U.S. - California 20850
- V** *Eriogonum aretioides* Barneby 20850  
V 20850 U.S. - Utah 20850
- E** *Eriogonum argophyllum* Reveal 20850  
E 20850 U.S. - Nevada 20850
- V** *Eriogonum beatleyae* Reveal 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V** *Eriogonum bifurcatum* Reveal 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- V** *Eriogonum brandegei* Rydb. 20850  
V 20850 U.S. - Colorado 20850
- R** *Eriogonum breedlovei* (J.T. Howell) Reveal 20850  
I 20850 U.S. - California 20850
- V** *Eriogonum breedlovei* (J.T. Howell) Reveal var. *breedlovei* 20850  
V 20850 U.S. - California 20850
- V** *Eriogonum breedlovei* (J.T. Howell) Reveal var. *shevockii* J.T. Howell 20850  
V 20850 U.S. - California 20850
- E** *Eriogonum butterworthianum* J.T. Howell 20850  
E 20850 U.S. - California 20850
- R** *Eriogonum capillare* Small 20850  
V 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850
- V** *Eriogonum capistratum* Reveal var. *welshii* Reveal 20850  
V 20850 U.S. - Idaho 20850
- E** *Eriogonum chrysops* Rydb. 20850  
E 20850 U.S. - Oregon 20850
- V** *Eriogonum cinereum* Benth. 20850  
I 20850 U.S. - California 20850
- R** *Eriogonum cithariforme* S.Watson 20850  
I 20850 U.S. - California 20850
- R** *Eriogonum clavellatum* Small 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- R** *Eriogonum coloradense* Small 20850  
V 20850 U.S. - Colorado 20850
- V** *Eriogonum concinnum* Reveal 20850  
V 20850 U.S. - Nevada 20850
- V** *Eriogonum contiguum* (Reveal) Reveal 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R** *Eriogonum contortum* Small 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R** *Eriogonum correllii* Reveal 20850  
I 20850 U.S. - Oklahoma 20850  
R 20850 U.S. - Texas 20850
- R** *Eriogonum corymbosum* (Welsh) Reveal var. *revealianum* (Welsh) Reveal 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Eriogonum*

- R 20850 U.S. - Utah 20850
- R *Eriogonum covilleanum* Eastw. 20850  
I 20850 U.S. - California 20850
- V *Eriogonum crocatum* A. Davids. 20850  
V 20850 U.S. - California 20850
- E *Eriogonum cronquistii* Reveal 20850  
I 20850 U.S. - Utah 20850
- V *Eriogonum crosbyae* Reveal 20850  
R 20850 U.S. - Nevada 20850  
V 20850 U.S. - Oregon 20850
- V *Eriogonum cusickii* M.E. Jones 20850  
V 20850 U.S. - Oregon 20850
- V *Eriogonum darrovii* Kearney 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- R *Eriogonum dasyanthemum* Torr. & Gray 20850  
I 20850 U.S. - California 20850
- R *Eriogonum deserticola* S.Watson 20883, 20850, 19002  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20883 Mexico 20883
- R *Eriogonum diclinum* Reveal 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- R *Eriogonum elegans* Greene 20850  
I 20850 U.S. - California 20850
- R *Eriogonum ephedroides* Reveal 20850  
E 20850 U.S. - Colorado 20850  
20850 U.S. - Utah 20850
- E *Eriogonum eremicola* J.T. Howell & Reveal 20850  
E 20850 U.S. - California 20850
- V *Eriogonum eremicum* Reveal 20850  
V 20850 U.S. - Utah 20850
- E *Eriogonum ericifolium* Torr. & A. Gray var. *thornei*  
Reveal & Henrickson 20850  
E 20850 U.S. - California 20850
- E *Eriogonum esmeraldense* S.Watson var. *toyabense*  
J.T. Howell 20850  
V 20850 U.S. - Nevada 20850
- V *Eriogonum exilifolium* Reveal 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - Wyoming 20850
- R *Eriogonum fasciculatum* Benth. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- V *Eriogonum flavum* Nutt. var. *aquilinum*  
Reveal 20850  
V 20850 U.S. - Alaska 20850
- R *Eriogonum foliosum* S.Watson 20850, 9002  
V 20850 U.S. - California 20850  
? Mexico 9002
- V *Eriogonum giganteum* S.Watson 20850  
I 20850 U.S. - California 20850
- V *Eriogonum giganteum* S.Watson var. *compactum*  
Dunkle 20850  
V 20850 U.S. - California 20850
- V *Eriogonum giganteum* S.Watson var. *formosum*  
Brandeg. 20850
- V 20850 U.S. - California 20850
- E *Eriogonum glandulosum* (Nutt.) Nutt. ex Benth. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Eriogonum gracillimum* S.Watson 20850  
I 20850 U.S. - California 20850
- R *Eriogonum grande* Greene 20850  
I 20850 U.S. - California 20850
- E *Eriogonum grande* Greene var. *rubescens* (Greene)  
Munz 20850  
E 20850 U.S. - California 20850
- V *Eriogonum grande* Greene var. *timorum*  
Reveal 20850  
E 20850 U.S. - California 20850
- V *Eriogonum greggii* Torr. & Gray 20883, 19002  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E *Eriogonum gypsophilum* Woot. & Standl. 20850  
E 20850 U.S. - New Mexico 20850
- V *Eriogonum heermannii* Munz var. *clokeyi*  
Reveal 20850  
V 20850 U.S. - Nevada 20850
- V *Eriogonum heermannii* Munz var. *floccosum*  
Munz 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R *Eriogonum hemipterum* (Torr.) S. Stokes 20850  
V 20850 U.S. - Texas 20850
- V *Eriogonum hirtellum* J.T. Howell & Bacig. 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Eriogonum hirtiflorum* Gray ex S.Watson 20850  
I 20850 U.S. - California 20850
- R *Eriogonum hoffmannii* S. Stokes 20850  
I 20850 U.S. - California 20850
- V *Eriogonum hoffmannii* S. Stokes var.  
*hoffmannii* 20850  
I 20850 U.S. - California 20850
- V *Eriogonum hoffmannii* S. Stokes var. *robustus* S.  
Stokes 20850  
I 20850 U.S. - California 20850
- E *Eriogonum holmgrenii* Reveal 20850  
E 20850 U.S. - Nevada 20850
- E *Eriogonum hylophilum* Reveal & Brotherson 20850  
I 20850 U.S. - Utah 20850
- R *Eriogonum inerme* (S.Watson) Jepson 20850  
I 20850 U.S. - California 20850
- V *Eriogonum jamesii* Benth. var. *rupicola*  
Reveal 20850  
V 20850 U.S. - Utah 20850
- V *Eriogonum jonesii* S.Watson 20850  
I 20850 U.S. - Arizona 20850
- E *Eriogonum kelloggii* Gray 20850, 2457  
E 20850 U.S. - California 20850
- R *Eriogonum kennedyi* C.L. Porter ex S.Watson var.  
*alpigenum* Munz & Johnston 20850  
R 20850 U.S. - California 20850
- V *Eriogonum kennedyi* C.L. Porter ex S.Watson var.  
*austromontanum* Munz & Johnston 20850  
V 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Eriogonum*

- E** *Eriogonum kennedyi* C.L. Porter ex S.Watson var. *pinicola* Reveal 20850  
**E** 20850 U.S. - California 20850
- V** *Eriogonum kingii* Torr. & Gray 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Eriogonum lagopus* Rydb. 20850  
**R** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - Wyoming 20850
- V** *Eriogonum lancifolium* Reveal & Brotherson 20850  
 20850 U.S. - Utah 20850
- R** *Eriogonum latens* Jepson 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Eriogonum lemmonii* S.Watson 20850  
**V** 20850 U.S. - Nevada 20850
- E** *Eriogonum lewisii* Reveal 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Eriogonum lobbii* Torr. & A.Gray var. *robustum* (E. Greene) M.E. Jones 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Eriogonum loganum* A. Nels. 20850  
**V** 20850 U.S. - Utah 20850
- E** *Eriogonum lonchophyllum* Torr. & Gray var. *lonchophyllum* 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Utah 20850
- R** *Eriogonum lonchophyllum* Torr. & Gray var. *saurinum* (Reveal) Welsh 20850  
**E** 20850 U.S. - Colorado 20850  
**R** 20850 U.S. - Utah 20850
- R** *Eriogonum longifolium* Nutt. var. *gnaphalifolium* Gandog. 20850, 18134  
**R** 20850 U.S. - Florida 20850
- E** *Eriogonum longifolium* Nutt. var. *harperi* (Goodman) Reveal 20850  
**V** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Tennessee 20850
- R** *Eriogonum luteolum* Greene var. *caninum* (Greene) Reveal 20850  
**R** 20850 U.S. - California 20850
- V** *Eriogonum meledonum* Reveal 20850  
**V** 20850 U.S. - Idaho 20850
- V** *Eriogonum microthecum* Nutt. var. *corymbosoides* Reveal 20850  
**V** 20850 U.S. - California 20850
- E** *Eriogonum microthecum* Nutt. var. *johnstonii* Reveal 20850  
**E** 20850 U.S. - California 20850
- V** *Eriogonum microthecum* Nutt. var. *panamintense* S. Stokes 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum mohavense* S.Watson 20850  
**I** 20850 U.S. - California 20850
- V** *Eriogonum molestum* S.Watson 20850  
**I** 20850 U.S. - California 20850
- E** *Eriogonum mortonianum* Reveal 20850  
**E** 20850 U.S. - Arizona 20850
- V** *Eriogonum natum* Reveal 20850  
**I** 20850 U.S. - Utah 20850
- V** *Eriogonum nealleyi* Coult. 20850  
**V** 20850 U.S. - Texas 20850
- V** *Eriogonum nervulosum* (S. Stokes) Reveal 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nortonii* Greene 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nudum* Douglas ex Benth. var. *decurrens* (S. Stokes) M.L. Bowerman 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nudum* Douglas ex Benth. var. *indictum* (Jepson) Reveal 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nudum* Douglas ex Benth. var. *murinum* Reveal 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nudum* Douglas ex Benth. var. *regirivum* Reveal & J. Stebbins 20850  
**V** 20850 U.S. - California 20850
- V** *Eriogonum nutans* S.Watson var. *glabratum* Reveal 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Eriogonum nutans* S.Watson var. *nutans* 20850  
**I** 20850 U.S. - California 20850  
**R** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Utah 20850
- R** *Eriogonum ochrocephalum* Reveal var. *alexanderae* Reveal 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Eriogonum ochrocephalum* Reveal var. *calcareum* (S. Stokes) M.E. Peck 20850  
**Ex/E** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Oregon 20850
- R** *Eriogonum ostlundii* M.E. Jones 20850  
 20850 U.S. - Utah 20850
- V** *Eriogonum ovalifolium* Nutt. var. *caelestinum* Reveal 20850  
**V** 20850 U.S. - Nevada 20850
- V** *Eriogonum ovalifolium* Nutt. var. *eximium* (Tidestrom) J.T. Howell 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Eriogonum ovalifolium* Nutt. var. *vineum* (Small) Jepson 20850  
**E** 20850 U.S. - California 20850
- E** *Eriogonum ovalifolium* Nutt. var. *williamsiae* Reveal 20850  
**E** 20850 U.S. - Nevada (Steamboat Hot Springs) 20850
- R** *Eriogonum panamintense* Morton 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Eriogonum panguicense* (M.E. Jones) Reveal 20850  
**R** 20850 U.S. - Utah 20850
- V** *Eriogonum panguicense* (M.E. Jones) Rev. var. *alpestre* (S. Stokes) Reveal 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Eriogonum*

- I 20850 U.S. - Utah 20850
- V *Eriogonum pelinophilum* Reveal 20850  
V 20850 U.S. - Colorado 20850
- V *Eriogonum pharnaceoides* Reveal var. *ceruinum*  
Reveal 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V *Eriogonum polypodium* Small 20850  
I 20850 U.S. - California 20850
- E *Eriogonum pratense* Reveal & Shevock var. *avium*  
Reveal & Shevock 20850  
E 20850 U.S. - California 20850
- V *Eriogonum prociduum* Reveal 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850  
V 20850 U.S. - Oregon 20850
- V *Eriogonum ripleyi* J.T. Howell 20850  
V 20850 U.S. - Arizona 20850
- V *Eriogonum rixfordii* S. Stokes 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Eriogonum rubricaulum* Tidestrom 20850  
R 20850 U.S. - Nevada 20850
- R *Eriogonum salicornioides* Gandog. 20850  
R 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
R 20850 U.S. - Oregon 20850
- R *Eriogonum saxatile* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Eriogonum scabrellum* Reveal 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- R *Eriogonum scopulorum* Reveal 20850  
R 20850 U.S. - Oregon 20850
- E *Eriogonum shockleyi* Reveal var. *packardiae*  
Reveal 20850  
V 20850 U.S. - Idaho 20850
- E *Eriogonum smithii* Reveal 20850  
E 20850 U.S. - Utah 20850
- E *Eriogonum soredium* Reveal 20850  
E 20850 U.S. - Utah 20850
- R *Eriogonum spathulatum* Gray 20850  
R 20850 U.S. - Utah 20850
- V *Eriogonum suffruticosum* S.Watson 20850  
V 20850 U.S. - Texas 20850
- R *Eriogonum tenellum* Benth. var. *ramosissimum*  
Benth. 20850  
R 20850 U.S. - Texas 20850
- V *Eriogonum thompsoniae* S.Watson var. *albiflorum*  
Reveal 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- V *Eriogonum thompsoniae* S.Watson var. *atwoodii*  
Reveal 20850  
V 20850 U.S. - Arizona 20850
- E *Eriogonum tiehmii* Reveal 20850  
E 20850 U.S. - Nevada 20850
- R *Eriogonum tripodum* Greene 20850
- V 20850 U.S. - California 20850
- Ex/E *Eriogonum truncatum* Torr. & Gray 20850, 14662  
Ex/E 20850 U.S. - California 20850
- R *Eriogonum tumulosum* (Barneby) Reveal 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- V *Eriogonum twisselmannii* (J.T. Howell) Reveal 20850  
V 20850 U.S. - California 20850
- V *Eriogonum umbellatum* Torr. var. *humistratum*  
Reveal 20850  
V 20850 U.S. - California 20850
- V *Eriogonum umbellatum* Torr. var. *torreyanum*  
(A.Gray) M.E. Jones 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Eriogonum ursinum* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Eriogonum viridescens* Heller 20850  
I 20850 U.S. - California 20850
- V *Eriogonum viscidulum* J.T. Howell 20850  
V 20850 U.S. - Nevada 20850
- R *Eriogonum visheri* A. Nels. 20850  
V 20850 U.S. - North Dakota 20850  
R 20850 U.S. - South Dakota 20850
- E *Eriogonum wrightii* Torr. ex Benth. var. *olanchense*  
(J.T. Howell) Reveal 20850  
E 20850 U.S. - California 20850
- R *Eriogonum zionis* J.T. Howell var. *coccineum*  
J.T. Howell 20850  
R 20850 U.S. - Arizona 20850
- V *Eriogonum zionis* J.T. Howell var. *zionis* 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - Utah 20850
- E *Gilmania luteola* (Coville) Coville 20850  
E 20850 U.S. - California 20850
- V *Goodmania luteola* (Parry) Reveal & Erterter 20850  
R 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R *Hollisteria lanata* S.Watson 20850  
I 20850 U.S. - California 20850
- R *Mucronea perfoliata* (Gray) Heller 20850  
I 20850 U.S. - California 20850
- E *Muehlenbeckia astonii* 19305  
E 19305 New Zealand - North Is. 19305  
E 19305 New Zealand - South Is. 19305
- I *Oxygonum ellipticum* R. Graham 5926  
I 5926 Tanzania 5926
- I *Oxygonum leptopus* Mildbr. 5926  
I 5926 Tanzania 5926
- I *Oxygonum lobatum* R. Graham 5926  
I 5926 Tanzania 5926
- R *Oxygonum schliebenii* Mildbr. 7959  
R Tanzania 7959
- I *Oxygonum subfastigiatum* R. Graham 5926  
I 5926 Tanzania 5926
- V *Oxytheca emarginata* Hall 20850  
I 20850 U.S. - California 20850
- V *Oxytheca parishii* Parry var. *abramsii* (McGregor)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Oxytheca*

Munz 20850

V 20850 U.S. - California 20850

**E** *Oxytheca parishii* Parry var. *goodmaniana*

Ertter 20850

E 20850 U.S. - California 20850

**V** *Oxytheca watsonii* Torr. & Gray 20850

E 20850 U.S. - California 20850

V 20850 U.S. - Nevada 20850

**V** *Persicaria elatior* (R.Br.) Sojak 20681

I 20681 Australia - New South Wales 20681

I 20681 Australia - Queensland 20681

**R** *Polygonella basiramia* (Small) Nesom & Bates 20850.

7983

R 20850 U.S. - Florida (Polk & Highlands Counties) 20850

**V** *Polygonella macrophylla* Small 20850

E 20850 U.S. - Alabama 20850

V 20850 U.S. - Florida 20850

**R** *Polygonella myriophylla* (Small) Horton 20850, 17890

R 20850 U.S. - Florida (L. Wales Ridge) 20850

**V** *Polygonella parksii* Cory 20850

V 20850 U.S. - Texas 20850

**R** *Polygonum afyonicum* E. Leblebici & Y. Gemici 12840

R 12840 Turkey 12840

**E** *Polygonum albanicum* Jáv. 20178, 20171

E 20178 Albania 20178

**I** *Polygonum angense* V. Michaleva & V. Perfiljeva 11552

I 5942 Russia (Far East) - Khabarovsk 5942

**I** *Polygonum arianum* Grigor. 5942

I 5942 Turkmenistan 5942

**R** *Polygonum aschersonianum* H.Gross 20171

R former European USSR

**R** *Polygonum galapagense* Caruel 11117

R Ecuador - Galapagos 11117

**R** *Polygonum glaucum* Nutt. 20883, 20850, 19002

I 20883 France - St Pierre & Miquelon 20883

I 20850 U.S. - Alabama 20850

Ex/E 20850 U.S. - Connecticut 20850

Ex/E 20850 U.S. - Delaware 20850

I 20850 U.S. - Florida 20850

E 20850 U.S. - Georgia 20850

I 20850 U.S. - Maine 20850

E 20850 U.S. - Maryland 20850

R 20850 U.S. - Massachusetts 20850

I 20850 U.S. - Mississippi 20850

E 20850 U.S. - New Jersey 20850

R 20850 U.S. - New York 20850

E 20850 U.S. - North Carolina 20850

E 20850 U.S. - Rhode Is. 20850

I 20850 U.S. - South Carolina 20850

E 20850 U.S. - Virginia 20850

**R** *Polygonum icaricum* Rech.f. 20171

R Greece

**R** *Polygonum idaeum* Hayek 20171

R 20171 Greece - Crete 20171

**E** *Polygonum marinense* Mert. & Raven 20850

E 20850 U.S. - California 20850

**R** *Polygonum obtusifolium* Tackh. & Boulos

R Egypt

**I** *Polygonum ovczinnikovii* Czukav. 5942

I 5942 Tajikistan 5942

**V** *Polygonum paralongum* Coode & Cullen 12840

V 12840 Turkey 12840

**E** *Polygonum polygaloides* (L.C. Wheeler) Hickman ssp. *esotericum* (L.C. Wheeler) Hickman 20850

E 20850 U.S. - California 20850

I 20850 U.S. - Oregon 20850

**R** *Polygonum salebrosum* Coode & Cullen 12840

R 12840 Turkey 12840

**R** *Polygonum striatulum* B.L. Robins. 20850

I 20850 U.S. - Louisiana 20850

I 20850 U.S. - Oklahoma 20850

R 20850 U.S. - Texas 20850

**R** *Rheum rhaponticum* L. 5204, 20171

R 5204 Bulgaria 5204

R Norway

**R** *Rumex amanus* Rech. 12840

R 12840 Turkey 12840

**R** *Rumex azoricus* Rech.f. 8000, 20171

R Portugal - Azores 8000

**V** *Rumex beringensis* Jurtzev & Petrovsky 20850

E 20850 U.S. - Alaska 20850

**V** *Rumex bithynicus* Rech. f. 12840

V 12840 Turkey 12840

**E** *Rumex costaricensis* Rech.f. 9037

E 19754 Costa Rica 9037

**R** *Rumex drummondii* Meisner 20681

R 20681 Australia - Western Australia 20681

**R** *Rumex gracilescens* Rech. 12840

R 12840 Turkey 12840

**V** *Rumex krausei* Jurtzev & Petrovsky 20850, 21309

R 21309 Russia (E. Europe) - North 21309

E 20850 U.S. - Alaska 20850

**I** *Rumex limoniastrum* Jaub. & Spach. 20146

I 20146 Oman (north) 20146

**V** *Rumex nepalensis* Sprengel var. *andreasianus* (Makino) Kitam. 10572

V 10572 Japan 10572

**R** *Rumex olympicus* Boiss. 12840

R 12840 Turkey 12840

**V** *Rumex orthoneurus* Rech. f. 20850

V 20850 U.S. - Arizona 20850

V 20850 U.S. - New Mexico 20850

**R** *Rumex peruanus* Reichb.f. 18200

R 12468 Peru 18200

**E** *Rumex rothschildianus* Aarons, ex Evenari 8895

E Israel (Sharon & Philistean Plains) 8895

**V** *Rumex rupestris* Le Gall 8000, 20171

V 20528 France (coastal) 8000

V 17781 Spain (north-west) 8000

V 5387 United Kingdom 19232

V 17781 United Kingdom - Channel Is. 17781

**R** *Rumex tmoleus* Boiss. 12840

R 12840 Turkey 12840

**Ex/E** *Rumex tomentella* Rech. f. 20850

Ex/E 20850 U.S. - New Mexico 20850

**E** *Rumex tunetanus* G. Barrante & Murb.

E Tunisia

**R** *Ruprechtia jamesonii* Meisn. 18200

R 16943 Ecuador 16943

R 19962 Peru 18200

**V** *Systenotheca vortriedei* (Brandeg.) Reveal & Hardham 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Polygonaceae: *Systemotheca*

I 20850 U.S. - California 20850

**Portulacaceae**

Number of genera: 20  
 Number of species: 500  
 Recorded threatened species: 52 (10%)

Cosmopolitan, especially western North America and Andes.

- R** II *Anacampseros comptonii* Pillans 20604, 20306  
 R 20604 South Africa - Cape Province 20604
- R** II *Anacampseros filamentosa* (Haw.) Sims ssp. *filamentosa* 20306, 20604  
 R 20604 South Africa - Cape Province 20306  
 R 20604 South Africa - Orange Free State (Griqualand west) 20306
- R** II *Anacampseros filamentosa* (Haw.) Sims ssp. *tomentosa* (A. Berger) Gerbaulet 20306  
 R 20604 Namibia 20306
- R** II *Anacampseros lanceolata* (Haw.) Sweet ssp. *lanceolata* 20306  
 R 20803 Botswana 20803  
 R 20604 South Africa - Cape Province 20604
- R** II *Anacampseros lanceolata* (Haw.) Sweet ssp. *nebrownii* (Poelln.) Gerbaulet 20306  
 R 20604 South Africa - Cape Province 20306
- R** II *Anacampseros papyracea* E. Meyer ex Fenzl ssp. *papyracea* 20306, 20604  
 R 20604 South Africa - Cape Province 20306
- R** II *Anacampseros scopata* G.Will. 20604, 20308  
 R 20604 South Africa - Cape Province 20604
- R** *Avonia mallei* G.Will. 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Calandrinia alba* (Ruiz Lopez & Pavon) DC. 18200  
 E 9446 Peru 18200
- E** *Calandrinia feltonii* Skotts. 19744  
 E 20272 Falkland Is. (West Point Island) 19744
- E** *Calandrinia galapagosa* H. St. John 11117  
 E 14980 Ecuador - Galapagos (San Cristobal) 11117
- E** *Cistanthe pulchella* (Eastw.) Hershkovitz 20850  
 E 20850 U.S. - California 20850
- E** *Cistanthe pygmaea* (Parish ex Rydb.) Hershkovitz 20850  
 I 20850 U.S. - California 20850
- V** *Cistanthe tweedyi* (Gray) Hershkovitz 20850  
 E 20850 Canada - British Columbia 20850  
 I 20850 U.S. - Washington 20850
- R** *Claytonia arctica* M.F. Adams 20850, 1034  
 E 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- R** *Claytonia gypsophiloides* Fisch. & C.A. Mey. 20850  
 I 20850 U.S. - California 20850
- R** *Claytonia lanceolata* Pursh var. *pacifica* McNeill 20850  
 I 20850 Canada - British Columbia 20850  
 E 20850 U.S. - Washington 20850
- E** *Claytonia lanceolata* Pursh var. *peirsonii* Munz & Johnston 20850  
 E 20850 U.S. - California 20850
- R** *Claytonia megarhiza* (A.Gray) Parry ex S.Watson var. *nivalis* (English) C.L. Hitchc. 20850

- I 20850 U.S. - Washington 20850
- E** *Claytonia ogilviensis* McNeill 20850, 1034  
 E 20850 Canada - Yukon Territory 20850
- R** *Claytonia palustris* Swanson & Kelley 20850  
 R 20850 U.S. - California 20850
- V** *Claytonia saxosa* Brandeg. 20850, 10701  
 I 20850 U.S. - California 20850
- R** *Claytonia vassilievii* ssp. *petrovskiyi* Jurtz. et M. Griczuk 20085, 21309  
 R 20085 Russia (E.Europe) - North 20085
- R** *Claytoniella vassilievii* (Kusen.) Jurtzev 8001  
 R Arctic CIS (Arctic Anadyr) 6930
- R** *Claytoniella vassilievii* (Kuzen.) Jurtz. ssp. *vassilievii* 20085, 21309  
 R 20085 Russia (E.Europe) - North 20085
- V** *Lewisia cantelovii* J.T. Howell 20850  
 V 20850 U.S. - California 20850
- V** *Lewisia congdonii* (Rydb.) S. Clay 20850  
 V 20850 U.S. - California 20850
- R** *Lewisia cotyledon* (S. Wats.) B. L. Robins. var. *cotyledon* 20850  
 I 20850 U.S. - California 20850  
 R 20850 U.S. - Oregon 20850
- V** II *Lewisia cotyledon* (S.Watson) Robinson var. *heckneri* (Morton) Munz 20850  
 V 20850 U.S. - California 20850
- V** *Lewisia disepala* Rydb. 20850  
 I 20850 U.S. - California 20850
- V** *Lewisia longipetala* (Piper) S. Clay 20850  
 V 20850 U.S. - California 20850
- E** II *Lewisia maguirei* A. Holmgren 20850, 15658  
 E 20850 U.S. - Nevada 20850
- V** II *Lewisia serrata* Heckard & Stebbins 20850, 15658  
 V 20850 U.S. - California 20850
- R** *Lewisia sierrae* Ferris 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- E** *Lewisia stebbinsii* Gankin & Hildreth 20850  
 E 20850 U.S. - California 20850
- R** *Montia bostockii* (Porsild) Welsh 20850, 1034  
 E 20850 Canada - British Columbia 20850  
 V 20850 Canada - Yukon Territory 20850  
 V 20850 U.S. - Alaska 20850
- R** *Montia fontana* L. ssp. *variabilis* S.M. Walters 20850, 20171  
 I 20850 Canada - British Columbia 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850
- R** *Montia howellii* S.Watson 20850, 10701  
 V 20850 Canada - British Columbia 20850  
 Ex/E 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850  
 V 20850 U.S. - Washington 20850
- E** *Portulaca aurantiaca* Proctor 20883  
 E 20883 Jamaica 20883
- E** *Portulaca biloba* Urban 20850  
 E 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Virginia 20850
- R** *Portulaca boninensis* Tuy. 8622  
 R 19134 Japan - Kazan Retto 8622  
 R 19134 Japan - Ogasawara-shoto 8622

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Portulacaceae: *Portulaca*

- E** *Portulaca caulerpoides* Britt. & Wilson ex Britt. 20883, 20850, 8058  
**I** 20850 U.S. - Florida 20850  
**I** 20883 Puerto Rico 20883
- R** *Portulaca insularis* Hosok. 20511  
**R** 20511 Taiwan 20511
- E** *Portulaca molokiniensis* Hobdy 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaho'olawe) 20850
- E** *Portulaca sclerocarpa* Gray 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Portulaca smallii* P. Wilson 20850  
**R** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Louisiana 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Virginia 20850
- V** *Portulaca trianthemoides* Bremek. 20604  
**V** 20604 South Africa - Transvaal 20604
- R** *Portulaca tuberculata* Leon 5607  
**R** 19105 Cuba (Granma) 5607
- E** *Portulaca villosa* Cham. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Sedopsis filsonii* (J.H.Willis) J.H.Willis 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Talinum calcaricum* Ware 20850  
**V** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Kentucky 20850  
**R** 20850 U.S. - Tennessee 20850
- V** *Talinum confertiflorum* Greene 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Talinum longipes* Woot. & Standl. 20850  
**R** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Texas 20850
- V** *Talinum marginatum* Greene 20883, 20850, 8058  
**E** 20850 U.S. - Arizona 20850  
**I** 20883 Mexico 20883
- R** *Talinum mengesii* W. Wolf 20850  
**V** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**E** 20850 U.S. - Virginia 20850
- V** *Talinum sedifforme* Poelln. 20850, 10701  
**V** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Washington 20850
- E** *Talinum thompsonii* Atwood & Welsh 20850  
**E** 20850 U.S. - Utah 20850
- V** *Talinum validulum* Greene 20850  
**V** 20850 U.S. - Arizona 20850

**Primulaceae**

Number of genera: 30  
 Number of species: 1,000  
 Recorded threatened species: 112 (11%)

Mostly temperate and cold Northern Hemisphere; montane tropical.

- R** *Anagallis brevipes* P. Taylor 7959  
**R** 5926 Tanzania (Rungwe) 7959
- R** *Anagallis kingaensis* Engl. 7959  
**R** 5926 Tanzania 7959
- R** *Anagallis oligantha* P. Taylor 7862

- R** Malawi 7862
- I** *Androsace aizoon* Duby  
**I** India - Jammu & Kashmir
- V** *Androsace alaskana* Coville & Standl. ex Hulten 20850, 1034  
**I** 20850 Canada - British Columbia 20850  
**E** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Androsace brevis* (Hegetschw.) Ces. 18264, 20171  
**R** 18264 Italy (Lombardy) 18264  
**E** 18154 Switzerland 18154
- I** *Androsace bryomorpha* Lipsky 5942  
**I** 5942 Tajikistan 5942
- R** *Androsace chaixii* Gren. & Godr. 20171  
**R** France (mountains in south-east)
- R** *Androsace cylindrica* DC. 8000, 20171  
**V** France (central Pyrenees) 8000  
**R** Spain (central Pyrenees) 8000
- I** *Androsace cylindrica* DC. ssp. *cylindrica* 20528  
**V** 20528 France (Pyrenees) 20528  
**I** 20528 Spain (Aragon) 20528
- I** *Androsace cylindrica* DC. ssp. *hirtella* (Dufour) Greuter & Burdet 20528,  
**I** 20528 France (Pyrenees) 20528  
**I** 20528 Spain 20528
- V** *Androsace elongata* L. ssp. *acuta* (Greene) G.T. Robbins 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**Ex/E** 20850 U.S. - Oregon 20850
- I** *Androsace koso-poljanskii* Ovcz. 5942, 20171  
**I** 5942 Ukraine 5942
- I** *Androsace mucronifolia* Watt  
**I** India - Jammu & Kashmir
- V** *Androsace rioxana* Segura  
**V** Spain
- R** *Androsace semiperennis* Jurtz. 20085, 21309  
**R** 20085 Russia (E. Europe) - North 20085
- I** *Ardisiandra primuloides* Knuth 5926  
**I** 5926 Tanzania 5926
- V** *Coris hispanica* Lange 20171  
**V** Spain
- V** *Cyclamen cilicicum* Boiss. & Heldr. 12840  
**V** 12840 Turkey (S. Anatolia) 12840  
*Cyclamen fatrense* Halda and Soják. 21389, 19839  
**I** 17821 Czech Republic 17821  
**V** 19321 Slovakia (Vel'ká Fatra & Tatry Mts.) 6951
- V** *Cyclamen intaminatum* (Meikle) Grey-Wilson 15934  
**V** 19873 Turkey (WC & WS) 15934  
*Cyclamen kuznetzovii* Kotov & Czernova 21389  
**E** 20655 Ukraine - Crimea 5942
- I** *Cyclamen libanoticum* Hildebr. 15934  
**I** 15934 Lebanon (scattered mountain localities north-east of Beirut) 15934
- V** *Cyclamen mirabile* Hildebr. 15934  
**V** 14071 Turkey (south-west Anatolia) 8619
- I** *Cyclamen pseudibericum* Hildebr. 12840  
**I** 15934 Turkey (South, Amanus and Anti-Taurus) 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Primulaceae: *Cyclamen*

- V** *Cyclamen rohlfsianum* Aschers. 15934  
**V** Libya (Cyrenaica, Benghazi to Derna) 15934
- V** *Cyclamen trochopteranum* Schwarz 12840  
**V** Turkey (SW Anatolia) 15934
- I** *Dionysia hissarica* Lipsky 5942  
**I** 5942 Tajikistan 5942
- I** *Dionysia involucrata* Zaprj. 5942  
**I** 5942 Tajikistan 5942
- I** *Dionysia mira* Wendelbo 20146  
**I** 20146 Oman (Hajar Mts.) 20146
- R** *Dionysia teuroides* Davis & Wendelbo 12840  
**R** 12840 Turkey 12840
- V** *Dodecatheon austrofrigidum* sp. nov. ined. 20850  
**V** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- V** *Dodecatheon clevelandii* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Dodecatheon frenchii* (Vasey) Rydb. 20850  
**V** 20850 U.S. - Arkansas 20850  
**R** 20850 U.S. - Illinois 20850  
**V** 20850 U.S. - Indiana 20850  
**R** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Missouri 20850  
**I** 20850 U.S. - Wisconsin 20850
- R** *Dodecatheon hanseni* (Greene) H.J. Thompson 20850  
**I** 20850 U.S. - California 20850
- R** *Dodecatheon poeticum* Henderson 20850  
**R** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Washington 20850
- V** *Dodecatheon pulchellum* (Raf.) Merr. ssp. *macrocarpum* (Gray) Taylor & MacBryde 20850  
**I** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Alaska 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Dodecatheon subalpinum* Eastw. 20850  
**I** 20850 U.S. - California 20850
- V** *Douglasia alaskana* (Coville & Standl. ex Hulten) S. Kelso 20850  
**E** 20850 Canada - British Columbia 20850  
**I** 20850 Canada - Yukon Territory 20850  
**I** 20850 U.S. - Alaska 20850
- R** *Douglasia arctica* Hook. 20850  
**I** 20850 Canada - Mackenzie 20850  
**I** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Douglasia beringensis* Kelso, Yurtsev & Murray 2085, 21309
- R** *Douglasia gormanii* Constance 20850  
**E** 20850 Canada - British Columbia 20850  
**I** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska 20850
- R** *Douglasia idahoensis* D. Henderson 20850  
**V** 20850 U.S. - Idaho 20850
- V** *Douglasia nivalis* Lindl. 20850  
**I** 20850 Canada - Alberta 20850  
**E** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Washington 20850
- V** *Douglasia nivalis* Lindl. var. *nivalis* 20850  
**I** 20850 Canada - Alberta 20850  
**I** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Washington 20850
- R** *Lysimachia asperulifolia* Poir. 20850  
**R** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850
- R** *Lysimachia cousiniana* Coss. & Durieu 10488  
**R** 14958 Algeria 10488
- E** *Lysimachia daphnoides* (Gray) Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Lysimachia filifolia* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i & O'ahu) 20850
- Ex/E** *Lysimachia forbesii* Rock 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (O'ahu) 20850
- R** *Lysimachia fraseri* Duby 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Illinois 20850  
**E** 20850 U.S. - Kentucky 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850
- I** *Lysimachia garrettii* Franchet 19120  
**I** 19120 Thailand 19120
- E** *Lysimachia glutinosa* Rock 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i - Koke'e) 20850
- V** *Lysimachia graminea* (Greene) Hand.-Maz. 20850  
**V** 20850 U.S. - Alabama 20850
- E** *Lysimachia kalalauensis* Skottsberg 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Lysimachia liukuensis* Hatus. 10573  
**V** 10573 Japan 10573
- R** *Lysimachia loomisii* Torr. 20850  
**I** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- E** *Lysimachia lydgatei* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (West Maui) 20850
- E** *Lysimachia maxima* (R. Knuth) St. John 20850, 14209  
**E** 20850 U.S. - Hawaii (east Moloka'i) 20850
- E** *Lysimachia minoricensis* Rodr. 15316, 20171  
**E** 20645 Spain - Balearic Is. (Minorca) 15316
- V** *Lysimachia ohsumiensis* Hara 10573  
**V** 10573 Japan 10573
- I** *Lysimachia rapensis* F. Brown 20845  
**I** 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- V** *Lysimachia remyi* Hillebrand 14209  
**V** 14209 U.S. - Hawaii (Moloka'i & Maui) 14209
- V** *Lysimachia tashiroi* Makino 10573  
**V** 10573 Japan 10573
- E** *Lysimachia venosa* (Wawra) St. John 20850, 14209  
**E** 20850 U.S. - Hawaii (Mt Wai'ale'ale) 20850
- E** *Primula alcalina* Cholewa & D. Henderson 20850  
**E** 20850 U.S. - Idaho 20850
- R** *Primula allionii* Loisel. 18264, 20171  
**R** 20528 France (Alpes-Maritimes) 19174  
**R** 18264 Italy (Piedmont, Liguria) 20804
- V** *Primula angustifolia* Torr. 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850
- V** *Primula apennina* Widmer 8000, 20171  
**V** 18264 Italy (N. Apennines of Toscana & Emilia-Romagna) 19997

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Primulaceae: *Primula*

- I** *Primula beringensis* (A. Pors.) Jurtzev 5942  
**I** 5942 Russia (Far East) - Magadan (south) 5942
- R** *Primula boveana* Decne. 10269  
**R** Egypt (Sinai) 10269
- E** *Primula capillaris* N. & A. Holmgren 20850  
**E** 20850 U.S. - Nevada 20850
- I** *Primula clarkei* Watt  
**I** India - Jammu & Kashmir
- R** *Primula cuneifolia* Ledeb. var. *heterodonta*  
 (Franchet) Makino 10573  
**R** 10573 Japan 10573
- R** *Primula daonensis* (Leyb.) Leyb. 18154, 20171  
**I** Austria 8000  
**I** Italy 8000  
**R** 18154 Switzerland 18154
- I** *Primula darialica* Rupr. 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Primula davisii* W.W. Sm. 12840  
**R** 12840 Turkey 12840
- R** *Primula deorum* Velen. 5204, 20171  
**R** 5204 Bulgaria (Rila Mt.) 5204
- E** *Primula domensis* Kass & Welsh 20850  
**E** 20850 U.S. - Utah 20850
- I** *Primula drumondiana* Craib.  
**I** India - Himachal Pradesh
- I** *Primula elatior* (L.) Hill ssp. *tatrensis* (Domin)  
 Soó 19321  
**I** 19321 Slovakia 19321
- I** *Primula eugeniae* Feodorov 5942  
**I** 5942 Kyrgyzstan 5942
- Ex/E** *Primula flexuosa* Turkev. 5942  
**Ex/E** 5942 Tajikistan 5942
- R** *Primula frondosa* Janka 5204, 20171  
**R** 5204 Bulgaria (central) 5204
- R** *Primula glaucescens* Moretti 8000, 20171  
**R** 18264 Italy 19997
- I** *Primula halleri* J.F. Gmelin ssp. *platyphylla* O.  
 Schwarz 19321  
**I** 19321 Slovakia 19321
- R** *Primula hidakana* Miyabe & Kubo var.  
*hidakana* 10573  
**R** 10573 Japan 10573
- R** *Primula hidakana* Miyabe var. *kamuiana*  
 Hara 10573  
**R** 10573 Japan 10573
- I** *Primula juliae* Kusnezov 5942  
**I** 5942 Azerbaijan 5942
- R** *Primula kisoana* Miq. var. *shikokiana*  
 Makino 10573  
**R** 10573 Japan 10573
- R** *Primula kitaibeliana* Schott 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Primula komarovii* Losinsk. 20171  
**R** former European USSR 6930
- I** *Primula larsenii* C. H. Hu 19120  
**I** 19120 Thailand 19120
- R** *Primula longipes* Freyn & Sint. 12840  
**R** 12840 Turkey 12840
- R** *Primula macrocarpa* Maxim. 10573  
**R** 10573 Japan 10573
- E** *Primula maguirei* L.O. Williams 20850  
**E** 20850 U.S. - Utah (Logan Canyon, Cache County)  
 20850
- I** *Primula megaseifolia* Boiss. & Bal. ex Boiss. 5942  
**I** 5942 Georgia 5942
- R** *Primula minkwitziae* W.W. Smith  
**R** former USSR 6930
- E** *Primula minutissima* Jack ex Duby 14768  
**E** India - Jammu & Kashmir (Apharwat Mts)  
 14768
- R** *Primula modesta* Bisset & S. Moore var. *matsumurae*  
 (Pititm.) Takeda 10573  
**R** 10573 Japan 10573
- E** *Primula nevadensis* N. Holmgren 20850  
**E** 20850 U.S. - Nevada 20850
- V** *Primula palinuri* Petagna 8000, 20171  
**V** 18264 Italy (Campania, Basilicata, Calabria)  
 19997
- R** *Primula reinii* Franchet & Sav. var. *kitadakensis*  
 (Hara) Ohwi 10573  
**R** 10573 Japan 10573
- R** *Primula reinii* Franchet & Sav. var. *myogiensis*  
 Hara 10573  
**R** 10573 Japan 10573
- R** *Primula reinii* Franchet & Sav. var.  
*reinii* 10573  
**R** 10573 Japan 10573
- E** *Primula reinii* Franchet & Sav. var. *rhodotricha*  
 Ohwi 10573  
**E** 10573 Japan 10573
- I** *Primula siamensis* Craib 19120  
**I** Thailand (Doi Chiangdao)
- R** *Primula sorachiana* Miyabe & Tatew. 10573  
**R** 10573 Japan 10573
- R** *Primula suffrutescens* Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Primula takedana* Tatew. 10573  
**R** 10573 Japan 10573
- V** *Primula tschuktschorum* Kjellm. 20850, 21309  
**I** 20850 Canada - Yukon Territory 20850  
**V** 20850 U.S. - Alaska (Bering Straits) 20850
- R** *Primula vulgaris* Huds. ssp. *balearica* (Willk.)  
 W.W. Smith & Forrest 20171  
**R** Spain - Balearic Is.
- E** *Primula wulfeniana* Schott ssp. *baumgarteniana*  
 (Degen & Moesz) Ludi 19266, 20171  
**E** 19949 Romania (south Carpathians) 19266
- R** *Primula yuparensis* Takeda 10573  
**R** 10573 Japan 10573
- V** *Samolus vagans* Greene 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Soldanella calabrella* Kress 18264  
**R** 18264 Italy (Calabria) 18264
- R** *Soldanella minima* Hoppe ssp. *samnitica*  
 Cristofolini & Pignatti 18264, 20171  
**R** 18264 Italy (Abruzzi) 18264
- R** *Soldanella pindicola* Hausskn. 20171  
**R** Greece



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Primulaceae: *Soldanella*

- V *Soldanella villosa* Darracq 8000, 20171  
 V 20528 France (west Pyrenees) 8000  
 V 20874 Spain (Pyrenees) 8000

Proteaceae

Number of genera: 75  
 Number of species: 1,000  
 Recorded threatened species: 353 (35%)

Tropical and subtropical, especially warmer Southern Hemisphere.

- V *Adenanthos cunninghamii* Meisner 20681  
 V 20681 Australia - Western Australia 20681
- R *Adenanthos detmoldii* F.Muell. 20681  
 R 20681 Australia - Western Australia 20681
- V *Adenanthos dobagii* E.C.Nelson 20681  
 V 20681 Australia - Western Australia 20681
- V *Adenanthos ellipticus* A.S.George 20681  
 V 20681 Australia - Western Australia 20681
- V *Adenanthos eyrei* E.C.Nelson 20681  
 V 20681 Australia - Western Australia 20681
- V *Adenanthos ileticos* E.C.Nelson 20681  
 V 20681 Australia - Western Australia 20681
- R *Adenanthos labillardierei* E.C.Nelson 20681  
 R 20681 Australia - Western Australia 20681
- V *Adenanthos pungens* Meisner ssp. *effusus*  
 E.C.Nelson 20681  
 V 20681 Australia - Western Australia 20681
- V *Adenanthos pungens* Meisner ssp.  
*pungens* 20681  
 V 20681 Australia - Western Australia 20681
- V *Alloxylon flammeum* P.Weston & Crisp 20681  
 V 20681 Australia - Queensland 20681
- R *Alloxylon pinnatum* (Maiden & Betche) P.Weston &  
 Crisp 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- R *Austromuelleria trinervia* C.White 20681  
 R 20681 Australia - Queensland 20681
- R *Banksia benthamiana* C.Gardner 20681  
 R 20681 Australia - Western Australia 20681
- E *Banksia brownii* R.Br. 20681  
 E 20681 Australia - Western Australia 20681
- R *Banksia chamaephyton* A.S.George 20681  
 R 20681 Australia - Western Australia 20681
- R *Banksia conferta* A.S.George 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- V *Banksia cuneata* A.S.George 20681  
 V 20681 Australia - Western Australia 20681
- R *Banksia elegans* Meisner 20681  
 R 20681 Australia - Western Australia 20681
- V *Banksia goodii* R.Br. 20681  
 V 20681 Australia - Western Australia 20681
- R *Banksia laevigata* Meisner ssp.  
*laevigata* 20681  
 R 20681 Australia - Western Australia 20681
- R *Banksia meisneri* Lehm. var. *ascendens*  
 A.S.George 20681  
 R 20681 Australia - Western Australia 20681

- V *Banksia oligantha* A.S.George 20681  
 V 20681 Australia - Western Australia 20681
- R *Banksia plagiocarpa* A.S.George 20681  
 R 20681 Australia - Queensland 20681
- R *Banksia solandri* R.Br. 20681  
 R 20681 Australia - Western Australia 20681
- V *Banksia sphaerocarpa* R.Br. var. *dolichostyla*  
 A.S.George 20681  
 V 20681 Australia - Western Australia 20681
- V *Banksia tricuspis* Meisner 20681  
 V 20681 Australia - Western Australia 20681
- V *Banksia verticillata* R.Br. 20681  
 V 20681 Australia - Western Australia 20681
- E *Beauprea congesta* Virot 20893  
 E 20893 New Caledonia 20893
- V *Beauprea crassifolia* Virot 20893  
 V 20893 New Caledonia 20893
- I *Beauprea penariensis* Guillaumin 20802  
 I 20802 New Caledonia 20802
- R *Buckinghamia ferruginiflora* D.Foreman &  
 B.Hyland 20681  
 R 20681 Australia - Queensland 20681
- R *Conospermum burgessiorum* L.A.S.Johnson &  
 McGillivray 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- V *Conospermum toddii* F.Muell. 20681  
 V 20681 Australia - Western Australia 20681
- R *Conospermum undulatum* Lindley 20681  
 R 20681 Australia - Western Australia 20681
- R *Darlingia ferruginea* Bailey 20681  
 R 20681 Australia - Queensland 20681
- E *Diastella buekii* (Gand.) Rourke 20604  
 E 20604 South Africa - Cape Province 20604
- R *Diastella fraterna* Rourke 20604  
 R 20604 South Africa - Cape Province 20604
- R *Diastella myrtifolia* (Thunb.) Salisb. ex  
 Knight 20604  
 R 20604 South Africa - Cape Province 20604
- V *Diastella parilis* Salisb. ex Knight 20604  
 V 20604 South Africa - Cape Province 20604
- V *Diastella proteoides* (L.) Druce 20604  
 V 20604 South Africa - Cape Province 20604
- R *Diastella thymelaoides* (P.J.Bergius) Rourke ssp.  
*meridiana* Rourke 20604  
 R 20604 South Africa - Cape Province 18023
- R *Diastella thymelaoides* (P.J.Bergius) Rourke ssp.  
*thymelaoides* 20604  
 R 20604 South Africa - Cape Province 18023
- R *Dryandra comosa* Meisner 20681  
 R 20681 Australia - Western Australia 20681
- R *Dryandra concinna* R.Br. 20681  
 R 20681 Australia - Western Australia 20681
- R *Dryandra foliolata* R.Br. 20681  
 R 20681 Australia - Western Australia 20681
- E *Dryandra mimica* A.S.George 20681  
 E 20681 Australia - Western Australia 20681
- E *Dryandra montana* (A.S.George) 20681  
 E 20681 Australia - Western Australia 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Dryandra*

- R *Dryandra polycephala* Benth. 20681  
R 20681 Australia - Western Australia 20681
- R *Dryandra preissii* Meisner 20681  
R 20681 Australia - Western Australia 20681
- R *Dryandra pulchella* Meisner 20681  
R 20681 Australia - Western Australia 20681
- R *Dryandra sclerophylla* Meisner 20681  
R 20681 Australia - Western Australia 20681
- R *Dryandra serra* R.Br. 20681  
R 20681 Australia - Western Australia 20681
- V *Dryandra serratuloides* Meisner ssp. *perissa*  
A.S.George 20681  
V 20681 Australia - Western Australia 20681
- V *Dryandra serratuloides* Meisner ssp. *serratuloides* 20681  
V 20681 Australia - Western Australia 20681
- R *Dryandra shanklandiorum* R.P.Randall 20681  
R 20681 Australia - Western Australia 20681
- V *Floydia praealta* (F.Muell.) L.A.S.Johnson & B.G.Briggs 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Franklandia triaristata* Benth. 20681  
R 20681 Australia - Western Australia 20681
- E *Grevillea acanthifolia* A.Cunn. ssp. *paludosa* 20681  
E 20681 Australia - New South Wales 20681
- R *Grevillea acanthifolia* Cunn. ssp. *stenomera*  
(F.Muell. ex Benth.) McGillivray 20681  
R 20681 Australia - New South Wales 20681
- R *Grevillea acerata* McGillivray 20681  
R 20681 Australia - New South Wales 20681
- R *Grevillea adenotricha* McGillivray 20681  
R 20681 Australia - Western Australia 20681
- R *Grevillea asteriscosa* Diels 20681  
R 20681 Australia - Western Australia 20681
- V *Grevillea banyabba* P.Olde & N.Marriott 20681  
V 20681 Australia - New South Wales 20681
- R *Grevillea barklyana* Benth. ssp. *barklyana* 20681  
R 20681 Australia - Victoria 20681
- R *Grevillea barklyana* F.Muell. ex Benth. ssp. *macleayana* McGillivray 20681  
R 20681 Australia - New South Wales 20681
- E *Grevillea batrachioides* McGillivray 20681, 14223  
E 20681 Australia - Western Australia 20681
- R *Grevillea baxteri* R.Br. 20681  
R 20681 Australia - Western Australia 20681
- E *Grevillea beadleana* McGillivray 20681  
E 20681 Australia - New South Wales 20681
- R *Grevillea bedgoodiana* McGillivray 20681  
R 20681 Australia - Victoria 20681
- R *Grevillea benthamiana* McGillivray 20681  
R 20681 Australia - Northern Territory 20681
- R *Grevillea brevis* P.Olde & N.Marriott 20681  
R 20681 Australia - Northern Territory 20681
- E *Grevillea caleyi* R.Br. 20681  
E 20681 Australia - New South Wales 20681
- E *Grevillea calliantha* R.Makinson & P.Olde 20681  
E 20681 Australia - Western Australia 20681
- E *Grevillea christinae* McGillivray 20681  
E 20681 Australia - Western Australia 20681
- R *Grevillea circsiifolia* Meisner 20681  
R 20681 Australia - Western Australia 20681
- R *Grevillea conferifolia* F.Muell. 20681  
R 20681 Australia - Victoria 20681
- R *Grevillea cyranostigma* McGillivray 20681  
R 20681 Australia - Queensland 20681
- R *Grevillea diminuta* L.A.S.Johnson 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681
- R *Grevillea dissecta* (McGillivray) P.Olde & N.Marriott 20681  
R 20681 Australia - Western Australia 20681
- R *Grevillea drummondii* Meisner 20681  
R 20681 Australia - Western Australia 20681
- E *Grevillea dryandroides* C.Gardner ssp. *dryandroides* 20681  
E 20681 Australia - Western Australia 20681
- V *Grevillea dryandroides* C.Gardner ssp. *hirsuta*  
P.Olde & N.Marriott 20681  
V 20681 Australia - Western Australia 20681
- R *Grevillea erectiloba* F.Muell. 20681  
R 20681 Australia - Western Australia 20681
- V *Grevillea evansiana* McKee 20681  
V 20681 Australia - New South Wales 20681
- E *Grevillea flexuosa* (Lindley) Meisner 20681, 14223  
E 20681 Australia - Western Australia 20681
- R *Grevillea floripendula* R.V.Smith 20681  
R 20681 Australia - Victoria 20681
- R *Grevillea glabrescens* P.Olde & N.Marriott 20681  
R 20681 Australia - Northern Territory 20681
- V *Grevillea glossadenia* McGillivray 20681  
V 20681 Australia - Queensland 20681
- V *Grevillea guthrieana* P.Olde & N.Marriott 20681  
V 20681 Australia - New South Wales 20681
- E *Grevillea iaspicula* McGillivray 20681  
E 20681 Australia - New South Wales 20681
- V *Grevillea inconspicua* Diels 20681  
V 20681 Australia - Western Australia 20681
- V *Grevillea infecunda* McGillivray 20681  
V 20681 Australia - Victoria 20681
- V *Grevillea infundibularis* A.S.George 20681  
V 20681 Australia - Western Australia 20681
- V *Grevillea involucrata* A.S.George 20681  
V 20681 Australia - Western Australia 20681
- R *Grevillea jephcottii* J.H.Willis 20681  
R 20681 Australia - Victoria 20681
- R *Grevillea johnsonii* McGillivray 20681  
R 20681 Australia - New South Wales 20681
- V *Grevillea kennedyana* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Grevillea linsmithii* McGillivray 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Grevillea longicuspis* McGillivray 20681  
R 20681 Australia - Northern Territory 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Grevillea*

- R** *Grevillea longifolia* R.Br. 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Grevillea masonii* P.Olde & N.Marriott 20681  
**E** 20681 Australia - New South Wales 20681
- E** *Grevillea maxwellii* McGillivray 20681  
**E** 20681 Australia - Western Australia 20681
- E** *Grevillea mcutcheonii* Keighery & Cranfield  
 ms. 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Grevillea microstegia* Molyneux 20681  
**R** 20681 Australia - Victoria 20681
- R** *Grevillea miniata* Fitzg. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Grevillea mollis* P.Olde & Molyneux 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Grevillea montis-cole* R.V.Smith ssp. *brevistyla*  
 R.V.Smith 20681  
**R** 20681 Australia - Victoria 20681
- R** *Grevillea montis-cole* R.V.Smith ssp.  
*montis-cole* 20681  
**R** 20681 Australia - Victoria 20681
- R** *Grevillea muricata* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- R** *Grevillea obtecta* Molyneux 20681  
**R** 20681 Australia - Victoria 20681
- E** *Grevillea obtusiflora* R.Br. 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Grevillea oldei* McGillivray 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Grevillea olivacea* A.S.George 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Grevillea pimeleoides* Fitzg. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Grevillea prostrata* C.Gardner & A.S.George 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Grevillea pythara* P.Olde & N.Marriott 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Grevillea quadricauda* P.Olde & N.Marriott 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Grevillea renwickiana* F.Muell. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Grevillea repens* Meisner 20681  
**R** 20681 Australia - Victoria 20681
- V** *Grevillea rhizomatosa* P.Olde & N.Marriott 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Grevillea ripicola* A.S.George 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Grevillea rivularis* L.A.S.Johnson &  
 McGillivray 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Grevillea rogersii* Maiden 20681  
**R** 20681 Australia - South Australia 20681
- R** *Grevillea rudis* Meisner 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Grevillea saccata* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Grevillea scapigera* A.S.George 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Grevillea scortechinii* (F.Muell. ex Scortech.) F.Muell.  
 ssp. *sarmentosa* (Blakely & McKie) McGillivray 20681  
**V** 20681 Australia - New South Wales 20681
- E** *Grevillea scortechinii* (F.Muell. ex Scortech.) F.Muell.  
 ssp. *scortechinii* 20681  
**E** 20681 Australia - Queensland 20681
- V** *Grevillea shiresii* Blakely 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Grevillea singuliflora* F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Grevillea steigitziana* Wakef. 20681  
**R** 20681 Australia - Victoria 20681
- R** *Grevillea tetrapleura* McGillivray 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Grevillea thelemanniana* Huegel ssp.  
*thelemanniana* 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Grevillea treueriana* F.Muell. 20681  
**V** 20681 Australia - South Australia 20681
- V** *Grevillea venusta* R.Br. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Grevillea versicolor* McGillivray 20681  
**R** 20681 Australia - Northern Territory 20681
- E** *Grevillea wilkinsonii* R.Makinson 20681  
**E** 20681 Australia - New South Wales 20681
- E** *Grevillea williamsonii* F.Muell. 20681  
**E** 20681 Australia - Victoria 20681
- R** *Grevillea willisii* R.V.Smith & McGillivray 20681  
**R** 20681 Australia - Victoria 20681
- E** *Hakea aculeata* A.S.George 20681  
**E** 20681 Australia - Western Australia 20681
- R** *Hakea aenigma* W.R.Barker & Haegi 20681  
**R** 20681 Australia - South Australia 20681
- R** *Hakea constablei* L.A.S.Johnson 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Hakea fraseri* R.Br. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Hakea grammatophylla* (F.Muell.) F.Muell. 20681  
**R** 20681 Australia - Northern Territory 20681
- V** *Hakea megalosperma* Meisner 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Hakea neurophylla* Meisner 20681  
**R** 20681 Australia - Western Australia 20681
- E** *Hakea pulvinifera* L.A.S.Johnson 20681, 5465  
**E** 20681 Australia - New South Wales 20681
- R** *Hakea standleyensis* Maconochie 20681  
**R** 20681 Australia - Northern Territory 20681
- V** *Hakea trineura* F.Muell. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Helicia blakei* D.Foreman 20681  
**R** 20681 Australia - Queensland 20681
- E** *Helicia ceylanica* Gardner 8021  
**E** 20013 Sri Lanka 8021
- R** *Helicia grayi* D.Foreman 20681  
**R** 20681 Australia - Queensland 20681
- R** *Helicia lamingtoniana* (F.Bailey) C.White &  
 L.S.Smith 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Helicia*

- R 20681 Australia - Queensland 20681
- R *Helicia lewisensis* D.Foreman 20681  
R 20681 Australia - Queensland 20681
- I *Helicia nilagirica* Beddome  
I India - Kerala (Walaghat)  
I India - Tamil Nadu
- R *Helicia recurva* D.Foreman 20681  
R 20681 Australia - Queensland 20681
- E *Helicia shweliensis* W. Smith 17617  
E 17617 China - Yunnan 11139
- I *Helicia travancorica* Beddome ex Hook.f.  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Tirunelveli Hills)
- I *Heliciopsis velutina* (Prain) Sleum. 19209  
I 19209 Malaysia - Peninsular Malaysia (Terengganu, Pahang, Selangor/Wilayah Persekutuan, Johor) 19209
- R *Hicksbeachia pinnatifolia* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Hollandaea sayeriana* (F.Muell.) L.S.Smith 20681  
R 20681 Australia - Queensland 20681
- V *Isopogon fletcheri* F.Muell. 20681  
V 20681 Australia - New South Wales 20681
- E *Isopogon uncinatus* R.Br. 20681  
E 20681 Australia - Western Australia 20681
- V *Kermadecia pronyensis* (Guillaumin) Guillaumin 20893  
V 20893 New Caledonia 20893
- E *Lambertia echinata* R.Br. ssp. *echinata* 20681  
E 20681 Australia - Western Australia 20681
- E *Lambertia fairallii* Keighery 20681  
E 20681 Australia - Western Australia 20681
- E *Lambertia orbifolia* C.Gardner 20681  
E 20681 Australia - Western Australia 20681
- R *Lambertia rariflora* Meisner 20681  
R 20681 Australia - Western Australia 20681
- R *Leucadendron argenteum* (L.) R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- E *Leucadendron bonum* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- R *Leucadendron bruniooides* Meisner var. *flumentulpinum*  
I. Williams 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron cadens* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E *Leucadendron chamelaeae* (Lam.) I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- R *Leucadendron concavum* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E *Leucadendron coriaceum* E.Phillips & Hutch. 20604  
E 20604 South Africa - Cape Province 20604
- V *Leucadendron corymbosum* P.J.Bergius 20604  
V 20604 South Africa - Cape Province 20604
- E *Leucadendron cryptocephalum* L.Guthrie 20604  
E 20604 South Africa - Cape Province 20604
- V *Leucadendron daphnoides* (Thunb.) Meisn. 20604  
V 20604 South Africa - Cape Province 20604
- R *Leucadendron diemontianum* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron discolor* E.Phillips & Hutch. 20604
- R 20604 South Africa - Cape Province 20604
- R *Leucadendron dregei* E.Mey. ex Meisn. 20604  
R 20604 South Africa - Cape Province 20604
- V *Leucadendron elimense* E.Phillips ssp. *elimense* 20604  
V 20604 South Africa - Cape Province 20604
- E *Leucadendron elimense* E.Phillips ssp. *salteri* I. Williams 20604  
E 20604 South Africa - Cape Province 20604
- E *Leucadendron elimense* E.Phillips ssp. *vyboomense* I. Williams 20604  
E 20604 South Africa - Cape Province 20604
- E *Leucadendron flexuosum* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- E *Leucadendron floridum* R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- V *Leucadendron galpinii* E.Phillips & Hutch. 20604  
V 20604 South Africa - Cape Province 20604
- E *Leucadendron globosum* (Kenn. ex Andrews) I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- E *Leucadendron laxum* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- E *Leucadendron levisanus* (L.) P.J.Bergius 20604  
E 20604 South Africa - Cape Province 20604
- R *Leucadendron loeriense* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E *Leucadendron macowanii* E.Phillips 20604  
E 20604 South Africa - Cape Province 20604
- R *Leucadendron nervosum* E.Phillips & Hutch. 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron nobile* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- V *Leucadendron olens* I.Williams 20604  
V 20604 South Africa - Cape Province 20604
- V *Leucadendron orientale* I.Williams 20604  
V 20604 South Africa - Cape Province 20604
- V *Leucadendron platyspermum* R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R *Leucadendron pondoense* A.E.van Wyk 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron radiatum* E.Phillips & Hutch. 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron remotum* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron roodii* E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- R *Leucadendron rourkei* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E *Leucadendron sericeum* (Thunb.) R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- R *Leucadendron singulare* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- V *Leucadendron sorocephalodes* E.Phillips & Hutch. 20604  
V 20604 South Africa - Cape Province 20604
- EX *Leucadendron spirale* (Salisb. ex Knight) I.Williams 20604. 6180

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Leucadendron*

- Ex 20604 South Africa - Cape Province 20604
- E** *Leucadendron stelligerum* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- R** *Leucadendron strobilinum* (L.) Druce 20604  
R 20604 South Africa - Cape Province 20604
- E** *Leucadendron thymifolium* (Salisb. ex Knight) I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- V** *Leucadendron tradouwense* I.Williams 20604  
V 20604 South Africa - Cape Province 20604
- E** *Leucadendron verticillatum* (Thunb.) Meisn. 20604  
E 20604 South Africa - Cape Province 20604
- E** *Leucospermum arenarium* Rycroft 20604  
E 20604 South Africa - Cape Province 20604
- R** *Leucospermum cordatum* E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- V** *Leucospermum formosum* (Andrews) Sweet 20604  
V 20604 South Africa - Cape Province 20604
- V** *Leucospermum fulgens* Rourke 20604  
V 20604 South Africa - Cape Province 20604
- V** *Leucospermum grandiflorum* (Salisb.) R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Leucospermum gueinzii* Meisn. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Leucospermum hamatum* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- E** *Leucospermum harpagonatum* Rourke 20604  
E 20604 South Africa - Cape Province 20604
- V** *Leucospermum heterophyllum* (Thunb.) Rourke 20604  
V 20604 South Africa - Cape Province 20604
- V** *Leucospermum innovans* Rourke 20604  
V 20604 South Africa - Cape Province 20604  
V 20604 South Africa - Natal 20604
- R** *Leucospermum muirii* E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- V** *Leucospermum parile* (Salisb. ex Knight) Sweet 20604  
V 20604 South Africa - Cape Province 20604
- R** *Leucospermum pedunculatum* Klotzsch 20604  
R 20604 South Africa - Cape Province 20604
- R** *Leucospermum pluridens* Rourke 20604  
V 20604 South Africa - Cape Province 20604
- R** *Leucospermum profugum* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Leucospermum saxosum* S.Moore 20604  
R 20604 South Africa - Transvaal 20604
- R** *Leucospermum secundifolium* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Leucospermum tomentosum* (Thunb.) R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- E** *Lomatia tasmanica* W.M.Curtis 20681  
E 20681 Australia - Tasmania 20681
- E** *Macadamia angustifolia* Virof 20893  
E 20893 New Caledonia 20893
- V** *Macadamia claudiensis* C.L.Gross & B.Hyland 20681  
V 20681 Australia - Queensland 20681
- R** *Macadamia grandis* C.L.Gross & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Macadamia heyana* (F.Bailey) Sleumer 20681  
R 20681 Australia - Queensland 20681
- V** *Macadamia integrifolia* Maiden & Betche 20681, 19911  
V 20681 Australia - Queensland 20681
- E** *Macadamia janseni* C.L.Gross & P.Weston 20681  
E 20681 Australia - Queensland 20681
- V** *Macadamia neurophylla* (Guillaumin) Virof 20893  
V 20893 New Caledonia 20893
- V** *Macadamia ternifolia* F.Muell. 20681  
V 20681 Australia - Queensland 20681
- V** *Macadamia tetraphylla* L.A.S.Johnson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Macadamia vieillardii* (Brongn. & Gris) Sleumer  
R New Caledonia
- E** *Malagasia alticola* (Capuron) L. Johnson & B. Briggs 19140  
E 19140 Madagascar: 19140
- R** *Mimetes arboreus* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes argenteus* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes capitulatus* (L.) R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes chrysanthus* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Mimetes hirtus* (L.) Salisb. ex Knight 20604  
V 20604 South Africa - Cape Province 20604
- R** *Mimetes hottentoticus* E.Phillips & Hutch. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes palustris* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes pauciflorus* R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Mimetes splendidus* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- Ex** *Mimetes stokoei* E.Phillips & Hutch. 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- R** *Orites milliganii* Meisner 20681  
R 20681 Australia - Tasmania 20681
- R** *Orites myrtoidea* (Poepp. & Endl.) Benth. ex Hook. 13875  
R 13875 Chile 13875
- R** *Orothamnus zeyheri* Pappe ex Hook.f. 20604, 14908  
R 20604 South Africa - Cape Province 20604
- V** *Paranomus abrotanifolius* Salisb. ex Knight 20604  
V 20604 South Africa - Cape Province 20604
- R** *Paranomus adiantifolius* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- R** *Paranomus capitatus* (R.Br.) Kuntze 20604  
R 20604 South Africa - Cape Province 20604
- R** *Paranomus centaureoides* Levyns 20604  
R 20604 South Africa - Cape Province 20604
- R** *Paranomus diversifolius* Phillips 20803, 20803  
R South Africa - Cape Province
- R** *Paranomus esterhuyseniae* Levyns 20604  
R 20604 South Africa - Cape Province 20604
- V** *Paranomus longicaulis* Salisb ex Knight 20604  
V 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Paranomus*

- V *Paranomus reflexus* (E.Phillips & Hutch.)  
N.E.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R *Paranomus roodebergensis* (Compton) Levyns 20604  
R 20604 South Africa - Cape Province 20604
- R *Paranomus spicatus* (P.J.Bergius) Kuntze 20604  
R 20604 South Africa - Cape Province 20604
- V *Persoonia acerosa* Sieber ex Schultes & Schultes  
f. 20681  
V 20681 Australia - New South Wales 20681
- V *Persoonia bargoensis* P.Weston & L.A.S.Johnson 20681  
V 20681 Australia - New South Wales 20681
- R *Persoonia brevifolia* (Benth.) L.A.S.Johnson &  
P.Weston 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Persoonia daphnoides* Cunn. ex R.Br. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Persoonia glaucescens* Sieber ex Schultes & Schultes  
f. 20681  
V 20681 Australia - New South Wales 20681
- Ex *Persoonia laxa* L.A.S.Johnson & P.Weston 20681  
Ex 20681 Australia - New South Wales 20681
- V *Persoonia marginata* R.Br. 20681  
V 20681 Australia - New South Wales 20681
- E *Persoonia mollis* R.Br. ssp. *maxima* S.Krauss &  
L.A.S.Johnson 20681  
E 20681 Australia - New South Wales 20681
- R *Persoonia mollis* R.Br. ssp. *revoluta* (Schultes )  
S.Krauss & L.A.S.Johnson 20681  
R 20681 Australia - New South Wales 20681
- R *Persoonia moscalii* Orch. 20681  
R 20681 Australia - Tasmania 20681
- R *Persoonia muelleri* (P.Parm.) Orch. var. *angustifolia*  
(Benth.) Orch. 20681  
R 20681 Australia - Tasmania 20681
- R *Persoonia muelleri* (P.Parm.) Orch. var. *densifolia*  
Orch. 20681  
R 20681 Australia - Tasmania 20681
- E *Persoonia nutans* R.Br. 20681  
E 20681 Australia - New South Wales 20681
- R *Persoonia oxycoccoides* Sieber ex Sprengel 20681  
R 20681 Australia - New South Wales 20681
- R *Persoonia procumbens* L.A.S.Johnson & P.Weston 20681  
R 20681 Australia - New South Wales 20681
- Ex *Persoonia prostrata* R.Br. 20681  
Ex 20681 Australia - Queensland 20681
- R *Persoonia recedens* Gandoger 20681  
R 20681 Australia - New South Wales 20681
- R *Persoonia rufa* L.A.S.Johnson & P.Weston 20681  
R 20681 Australia - New South Wales 20681
- R *Persoonia terminalis* L.A.S.Johnson & P.Weston ssp.  
*recurva* L.A.S.Johnson & P.Weston 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Persoonia terminalis* L.A.S.Johnson & P.Weston ssp.  
*terminalis* L.A.S.Johnson & P.Weston 20681  
R 20681 Australia - New South Wales 20681
- R *Persoonia volcanica* P.Weston & L.A.S.Johnson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E *Petrophile latericola* Keighery ms. 20681  
E 20681 Australia - Western Australia 20681
- V *Protea angustata* R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R *Protea aristata* E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- I *Protea asymmetrica* Beard 7765  
I Zimbabwe 7765
- R *Protea aurea* (Burm.f.) Rourke ssp. *potbergensis*  
Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R *Protea comptonii* Beard 20604, 20039  
R 20039 Southern Africa 20039  
E 20604 Swaziland 20604  
V 20604 South Africa - Natal 20604  
V 20604 South Africa - Transvaal 20604
- R *Protea convexa* E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- R *Protea cryophila* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- V *Protea curvata* N.E.Br. 20604  
V 20604 South Africa - Transvaal 20604
- V *Protea decurrens* E.Phillips 20604  
V 20604 South Africa - Cape Province 20604
- V *Protea dracomontana* Beard  
V Zimbabwe
- R *Protea holosericea* (Salisb. ex Knight) Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R *Protea inopina* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V *Protea laetans* L.E.Davidson 20604, 17458  
V 20604 South Africa - Transvaal 20604
- V *Protea lanceolata* E.Mey. ex Meisn. 20604  
V 20604 South Africa - Cape Province 20604
- V *Protea mucronifolia* Salisb. 20604  
V 20604 South Africa - Cape Province 20604
- E *Protea namaquana* Rourke 20604  
E 20604 South Africa - Cape Province 20604
- E *Protea nubigena* Rourke 20604  
E 20604 South Africa - Natal 20604
- R *Protea nyasae* Rendle 7757  
R Malawi (Mt. Mlanje) 7757
- E *Protea odorata* Thunb. 20604  
E 20604 South Africa - Cape Province 20604
- R *Protea pruinosa* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- E *Protea pudens* Rourke 20604  
E 20604 South Africa - Cape Province 20604
- V *Protea restionifolia* (Salisb. ex Knight)  
Ryecraft 20604  
V 20604 South Africa - Cape Province 20604
- E *Protea roupelliae* Meissner var. *hamiltonii* Beard  
ex Rourke 20604  
E 20604 South Africa - Transvaal 20604
- V *Protea scorzonerifolia* (Salisb. ex Knight)  
Ryecraft 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Proteaceae: *Protea*

- V 20604 South Africa - Cape Province 20604
- R** *Protea venusta* Compton 20604  
R 20604 South Africa - Cape Province 20604
- E** *Roupala percoriacea* A. Gentry 20883, 10060  
I 20883 Panama 20883
- R** *Roupala schultzei* Mennega 8679  
R 8679 Suriname 8679
- E** *Serruria aemula* Salisb. ex Knight 20604  
E 20604 South Africa - Cape Province 20604
- V** *Serruria altiscapa* Rourke 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria balanocephala* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria brownii* Meisn. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria candicans* R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria collina* Salisb. ex Knight 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria confragosa* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria cyanoides* (L.) R.Br. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria decumbens* (Thunb.) R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria deluvialis* Rourke 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria flagellifolia* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- R** *Serruria flava* Meisn. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria florida* (Thunb.) Salisb. ex Knight 20604, 10260  
V 20604 South Africa - Cape Province 20604
- E** *Serruria foeniculacea* R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- E** *Serruria furcellata* R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- R** *Serruria hirsuta* R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria incrassata* Meisn. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria kraussii* Meisn. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Serruria leipoldtii* E.Phillips & Hutch. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Serruria linearis* Salisb. ex Knight 20604  
E 20604 South Africa - Cape Province 20604
- R** *Serruria meisneriana* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Serruria millefolia* Salisb. ex Knight 20604  
V 20604 South Africa - Cape Province 20604
- R** *Serruria pinnata* R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Serruria roxburghii* R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- E** *Serruria trilopha* Salisb. ex Knight 20604  
E 20604 South Africa - Cape Province 20604
- R** *Serruria triternata* (Thunb.) R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Serruria viridifolia* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Serruria williamsii* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Sorocephalus alopecurus* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Sorocephalus capitatus* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- V** *Sorocephalus crassifolius* Hutch. 20604  
V 20604 South Africa - Cape Province 20604
- E** *Sorocephalus imbricatus* (Thunb.) R.Br. 20604  
E 20604 South Africa - Cape Province 20604
- E** *Sorocephalus palustris* Rourke 20604  
E 20604 South Africa - Cape Province 20604
- E** *Sorocephalus pinifolius* (Salisb. ex Knight) Rourke 20604  
E 20604 South Africa - Cape Province 20604
- V** *Sorocephalus scabridus* Meisn. 20604  
V 20604 South Africa - Cape Province 20604
- E** *Sorocephalus tenuifolius* R.Br. 20604, 6180  
E 20604 South Africa - Cape Province 20604
- R** *Sorocephalus teretifolius* (Meisn.) E.Phillips 20604  
R 20604 South Africa - Cape Province 20604
- R** *Spatalla argentea* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- R** *Spatalla barbiger* Salisb. ex Knight 20604  
R 20604 South Africa - Cape Province 20604
- R** *Spatalla colorata* Meisn. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Spatalla ericoides* E.Phillips 20604  
V 20604 South Africa - Cape Province 20604
- R** *Spatalla nubicola* Rourke 20604  
R 20604 South Africa - Cape Province 20604
- E** *Spatalla prolifera* (Thunb.) Salisb. ex Knight 20604  
E 20604 South Africa - Cape Province 20604
- R** *Spatalla propinqua* R.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Spatalla salsoloides* (R.Br.) Rourke 20604  
R 20604 South Africa - Cape Province 20604
- E** *Spatalla tulbaghensis* (E.Phillips) Rourke 20604  
E 20604 South Africa - Cape Province 20604
- R** *Sphalmium racemosum* (C.White) B.G.Briggs, Hyland & L.A.S.Johnson 20681  
R 20681 Australia - Queensland 20681
- R** *Stenocarpus cryptocarpus* D.Foreman & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- R** *Stenocarpus davallioides* D.Foreman & B.Hyland 20681  
R 20681 Australia - Queensland 20681
- Ex** *Stenocarpus dumbeensis* Guillaumin 20802  
Ex 20802 New Caledonia 20802
- E** *Stenocarpus heterophyllus* Brong. & Gris 20893  
E 20893 New Caledonia 20893
- Ex/E** *Stenocarpus villosus* Brong. & Gris 20802  
Ex/E 20802 New Caledonia 20802
- R** *Synaphea pinnata* Lindley 20681  
R 20681 Australia - Western Australia 20681

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Proteaceae: *Synaphea*

- R** *Telopea aspera* Crisp & P.H.Weston ms. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Triunia montana* (C.White) D.Foreman 20681  
**R** 20681 Australia - Queensland 20681
- E** *Triunia robusta* (C.White) D.Foreman 20681, 14223  
**E** 20681 Australia - Queensland 20681
- V** *Vexatorella alpina* (Salisb. ex Knight) Rourke 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Vexatorella latebrosa* Rourke 20604  
**R** 20604 South Africa - Cape Province 20604

### Quinaceae

Number of genera: 4  
 Number of species: 40  
 Recorded threatened species: 6 (15%)

Tropical America, especially Amazon basin.

- E** *Froesia venezuelensis* Steyermark & Bunting 20883  
**I** 20883 Venezuela 20883
- V** *Lacunaria panamensis* (Standl.) Standl. 20883, 9006  
**E** 20883 Costa Rica 20883  
**E** 21313 Honduras 21313  
**V** 16317 Panama 20883
- E** *Quiina colonensis* (D'Arcy) D'Arcy 20883, 10747  
**I** 20883 Panama 20883
- R** *Quiina indigofera* Sandw. 8679  
**R** Guyana 8679
- V** *Quiina jamaicensis* Griseb. 20883  
**V** 20883 Jamaica 20883
- R** *Quiina sessilis* Choisy 8679  
**R** French Guiana 8679

### Rafflesiaceae

Number of genera: 7  
 Number of species: 50  
 Recorded threatened species: 9 (18%)

Tropical and subtropical.

- R** *Mitrastemon yamamotoi* Makino var. *kanehirai*  
 Makino 20511  
**R** 20511 Taiwan 20511
- R** *Mitrastemon yamamotoi* Makino var. *kawasakii*  
 Makino 20511  
**R** 20511 Taiwan 20511
- R** *Pilostyles collina* Dell 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Rafflesia cantleyi* Solms-Laub. 19773  
**R** 19956 Malaysia - Peninsular Malaysia 19773
- I** *Rafflesia hasseltii* Sur. 19773  
**I** 19956 Indonesia - Sumatra (west coast)  
**I** 19956 Malaysia - Peninsular Malaysia 19956
- V** *Rafflesia keithii* Meijer  
**V** Malaysia - Sabah (Mt Kinabalu; near Ranau)
- R** *Rafflesia kerrii* Meijer 19773  
**R** 19956 Thailand (south) 19956  
**R** 19956 Malaysia - Peninsular Malaysia (Kedah & Gunung Chamah) 19956
- E** *Rafflesia manillana* Teschemacher 10278  
**E** Philippines (Luzon) 11305
- V** *Rafflesia pricei* Meijer 19773  
**V** Malaysia - Sabah 19773

- R** *Rafflesia zollingeriana* 15206  
**R** 15206 Indonesia - Java (Meru Bitiri reserve)  
 15206

### Ranunculaceae

Number of genera: 50  
 Number of species: 2,000  
 Recorded threatened species: 294 (14%)

Widespread, especially North temperate and boreal.

- I** *Aconitum apoense* Nakai 10572  
**I** 10572 Japan 10572
- I** *Aconitum balfourii* Stapf var. *rhomobilobum*  
 Stapf  
**I** India - Uttar Pradesh (Garhwal Himalaya; Kumaun)
- R** *Aconitum bartlettii* Yamamoto var. *formosanum*  
 (Tamura) Liu & Hsieh 20511  
**R** 20511 Taiwan 20511
- R** *Aconitum bartlettii* Yamamoto var. *fukutomei*  
 (Hayata) Liu & Hsieh 20511  
**R** 20511 Taiwan 20511
- V** *Aconitum brachypodum* Diels 17617  
**V** 17617 China - Sichuan (Muli) 11139  
**V** 17617 China - Yunnan 11139
- R** *Aconitum callibotryon* Rchb. 2050, 20171  
**R** 2050 Czech Republic 2050
- V** *Aconitum chrysopilum* Nakai 10572  
**V** 10572 Japan 10572
- I** *Aconitum falconeri* Stapf var.  
*falconeri* 14761  
**I** 14761 India - Uttar Pradesh (Garhwal; Kumaun)  
 14761
- V** *Aconitum falconeri* Stapf var. *latilobum*  
 Stapf 13883  
**V** 13883 India - Himachal Pradesh (Bashahr)  
 13883
- I** *Aconitum ferox* Wallich ex Seringe 11494  
**I** 19160 Bhutan 19160  
**V** 11494 India - Himachal Pradesh 11494  
**V** 11494 India - Sikkim 11494  
**V** India - Uttar Pradesh 9998  
**V** Nepal 9998
- R** *Aconitum firmum* (Reichenb.) Gayer ssp. *moravicum*  
 Skalicky 2050  
**R** 2050 Czech Republic 2050  
**V** 19321 Slovakia 19321
- V** *Aconitum infectum* Greene 20850  
**I** 20850 U.S. - Arizona 20850
- V** *Aconitum itoseyanum* Miyabe & Tatew. 10572  
**V** 10572 Japan 10572
- V** *Aconitum jaluense* Komarov ssp. *iwatekense* (Nakai)  
 Kadota 10572  
**V** 10572 Japan 10572
- E** *Aconitum kashmiricum* Stapf ex Coventry  
**E** 14768 India - Jammu & Kashmir 14768
- I** *Aconitum kishidae* Nakai 10572  
**I** 10572 Japan 10572
- I** *Aconitum kiitadakense* Nakai 10572  
**I** 10572 Japan 10572
- I** *Aconitum lasiocarpum* Reichenb. 7897  
**V** 18216 Poland (east Carpathians) 7897  
**I** 19321 Slovakia 19321



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Aconitum*

- V** *Aconitum metajaponicum* Nakai 10572  
**V** 10572 Japan 10572
- I** *Aconitum moschatum* (Bruhl) Stapf  
**I** India - Jammu & Kashmir
- E** *Aconitum nagarum* Stapf var. *heterotrichum* Fletcher  
**& Lauener** 11139  
**E** China - Yunnan 11139
- V** *Aconitum napellus* L. ssp. *corsicum* (Grayer)  
**Seitz.** 14166, 20171  
**V** 20528 France - Corsica (Coscione Plateau, Zicavo)  
 20528
- V** *Aconitum napellus* L. ssp. *firmum* (Reichenb.)  
**Gáyer** 19266, 20171  
**V** 19321 Slovakia 19321
- R** *Aconitum nevadense* Uechtr. 20171  
**R** Spain
- R** *Aconitum noveboracense* Gray ex Coville 20850  
**V** 20850 U.S. - Iowa 20850  
**V** 20850 U.S. - New York 20850  
**E** 20850 U.S. - Ohio 20850  
**E** 20850 U.S. - Wisconsin 20850
- R** *Aconitum sanyoense* Nakai 10572  
**R** 10572 Japan 10572
- R** *Aconitum senanens* Nakai var. *isidzukai* (Nakai)  
**Kadota** 10572  
**R** 10572 Japan 10572
- I** *Aconitum septemcarpum* Nakai 10572  
**I** 10572 Japan 10572
- V** *Aconitum talassicum* Popov  
**V** former USSR 6930
- V** *Aconitum variegatum* L. ssp. *pyrenaicum* Vivant ex  
**Delay** 20171  
**V** 20528 France (west Pyrenees) 20528  
**V** 20528 Spain (west Pyrenees) 20528
- R** *Aconitum zigzag* Lev. & Van. 10572  
**R** 10572 Japan 10572
- E** *Adonis cylleneae* Boiss., Heldr. & Orph. 8000, 20171  
**E** 19174 Greece (Mt Parnias) 19174
- R** *Adonis distorta* Ten. 8000, 20171  
**R** 18264 Italy (Appennines) 8000
- R** *Anemone edwardsiana* Tharp 20850  
**I** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Texas 20850
- R** *Anemone edwardsiana* Tharp var. *edwardsiana*  
**Correll** 20850  
**R** 20850 U.S. - Texas 20850
- E** *Anemone edwardsiana* Tharp var. *petraea*  
**Correll** 20850  
**E** 20850 U.S. - Texas 20850
- R** *Anemone koraiensis* Nakai 15957  
**R** 15923 Korea, South (Sepo, Kangwon-do) 15957
- I** *Anemone kusnetzowii* Woronow ex Grossh. 5942  
**I** 5942 Armenia 5942
- R** *Anemone minima* DC. 20850  
**I** 20850 U.S. - Maryland 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Tennessee 20850  
**R** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Anemone oregana* A.Gray var. *felix* (M.E. Peck) C.L.  
**Hitchc.** 20850  
**E** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- V** *Anemone sikokiana* Makino 10572  
**V** 10572 Japan 10572
- V** *Anemone stylosa* A. Nels. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - Utah 20850
- E** *Anemone uralensis* Fisch. ex DC. 11552, 20171  
**E** 11552 Russian Federation (Ural Mts.) 11552
- R** *Aquilegia aragonensis* Willk. 11496  
**R** 11496 Spain (Huesca) 11496
- E** *Aquilegia barbaricina* Arrigoni & E.Nardi 18264,  
 20171  
**E** 18264 Italy - Sardinia 18264
- V** *Aquilegia cazorlensis* Heywood 8000, 20171  
**V** 20874 Spain (Cerro Cabañas, Jaén) 8000
- R** *Aquilegia champagnatii* Moraldo, E.Nardi & la  
**Valva** 18264, 20171  
**R** 18264 Italy (Campania) 18264
- V** *Aquilegia chrysantha* Gray var. *chaplinei* (Standl.)  
**ex Payson** Lott 20850  
**V** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Texas 20850
- E** *Aquilegia chrysantha* Gray var. *hinckleyana* (Munz)  
**Lott** 20850  
**E** 20850 U.S. - Texas 20850
- R** *Aquilegia chrysantha* Gray var. *rydbergii*  
**Munz** 20850  
**Ex/E** 20850 U.S. - Colorado 20850
- V** *Aquilegia coerulea* Eastw. var. *daileyae*  
**Eastw.** 20850  
**I** 20850 U.S. - Colorado 20850
- R** *Aquilegia colchica* Kemul.-Nath. 6930  
**R** Asiatic U.S.S.R. (Caucasus) 6930
- R** *Aquilegia dinarica* G. Beck 20171  
**R** 20178 Albania 20178  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- V** *Aquilegia discolor* Levier & Leresche 20171  
**V** Spain
- R** *Aquilegia eximia* Van Houtte ex Planch. 20850  
**I** 20850 U.S. - California 20850
- E** *Aquilegia flavescens* S.Watson var. *rubicunda*  
**(Tidestrom)** Welsh 20850  
**E** 20850 U.S. - Utah 20850
- E** *Aquilegia formosa* Fisch. var. *fosteri*  
**Welsh** 20850  
**E** 20850 U.S. - Utah 20850
- R** *Aquilegia grata* Zimmeter 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- V** *Aquilegia laramiensis* A. Nels. 20850  
**V** 20850 U.S. - Wyoming 20850
- E** *Aquilegia litardierei* Briq. 20171  
**E** 20726 France - Corsica 12844
- R** *Aquilegia longissima* Gray 20883, 20850, 19002  
**I** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- R** *Aquilegia magellensis* Huter, Porta & Rigo 18264  
**R** 18264 Italy (Abruzzi) 18264

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Aquilegia*

- Ex/E *Aquilegia micrantha* Eastw. var. *mancosana*  
Eastw. 20850  
Ex/E 20850 U.S. - Colorado 20850
- I *Aquilegia nakaoui* Tamura  
I India - Jammu & Kashmir
- R *Aquilegia nigricans* Baumg. ssp. *subscaposa*  
(Borbás) Soó 17823, 20171  
R 19949 Romania 20631
- E *Aquilegia nivalis* Falc. ex Jackson 14768  
E India - Jammu & Kashmir (Apharwat) 14768
- V *Aquilegia nugorensis* Arrigoni & E.Nardi 18264, 20171  
V 18264 Italy - Sardinia 18264
- R *Aquilegia ottonis* Orph. ex Boiss. 20171  
R Greece  
E Italy
- V *Aquilegia ottonis* Orph. ex Boiss. ssp. *taygetea*  
(Orph.) Strid 14166, 20171  
V 20171 Greece 20171
- R *Aquilegia pauí* Font Quer 20171  
R Spain
- R *Aquilegia pubescens* Coville 20850  
I 20850 U.S. - California 20850
- R *Aquilegia saximontana* Rydb. 20850  
R 20850 U.S. - Colorado 20850
- R *Aquilegia thalictrifolia* Schott & Kotschy 20171  
R Italy
- I *Beckwithia glacialis* (L.) Löve & D. Löve ssp.  
*alakensis* Jurtz., Kelso & Murray ined. 21309  
I 21309 U.S. - Alaska 21309
- V *Callianthemum insigne* Nakai var. *hondoense*  
Ohwi 10572  
V 10572 Japan 10572
- V *Callianthemum kerneranum* Freyn ex A.Kern. 20171  
V Italy
- V *Callianthemum kernerianum* Freyn ex A.Kern. 18264,  
20171  
V 18264 Italy (Trentino-Alto Adige, Veneto)  
18264
- V *Callianthemum miyabenum* Tatew. 10572  
V 10572 Japan 10572
- R *Caltha phylloptera* A.W.Hill 20681  
R 20681 Australia - Tasmania 20681
- V *Cimicifuga arizonica* S.Watson 20850  
V 20850 U.S. - Arizona 20850
- V *Cimicifuga elata* Nutt. 20850, 10701  
E 20850 Canada - British Columbia 20850  
V 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- R *Cimicifuga rubifolia* Kearney 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
V 20850 U.S. - Kentucky 20850  
R 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850
- V *Clematis addisonii* Britt. 20850  
V 20850 U.S. - Virginia 20850
- E *Clematis apiculata* Hook.f. & Thomson 11494  
E 11494 India - Meghalaya (Khasi hills) 11494
- V *Clematis bourdillonii* Dunn 14782  
V 14782 India - Kerala 14782
- R *Clematis chiisanensis* Nakai 15957  
R 15923 Korea, South (north to Mt Chiri) 15957
- R *Clematis coactilis* (Fern.) Keener 20850  
V 20850 U.S. - Virginia 20850
- E *Clematis dubia* (Endl.) P.S. Green 19108  
E 19108 Australia - Norfolk Is. 19108
- E *Clematis elisabethae-carolae* Greuter 20730  
E 20730 Greece - Crete 20730
- V *Clematis fawcettii* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Clematis hirsutissima* Pursh var. *arizonica*  
(Heller) Erickson 20850  
E 20850 U.S. - Arizona 20850  
V 20850 U.S. - New Mexico 20850
- R *Clematis kakoulimensis* Schnell 7926  
R Guinea (Mt. Kakoulima) 7926
- R *Clematis marmoraria* Sneddon 19305  
R 19305 New Zealand - South Is. 19305
- E *Clematis morefieldii* Kral 20850, 14512  
E 20850 U.S. - Alabama (Madison Co.) 20850
- R *Clematis palmeri* Rose 20850, 19002  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- V *Clematis sigensis* Engl. 20057  
V 19109 Kenya 19109
- E *Clematis socialis* Kral 20850  
E 20850 U.S. - Alabama (St Clair & Cherokee Co.)  
20850
- R *Clematis terniflora* DC. var. *boninensis* (Hayata)  
Tuy. 8037  
R 19134 Japan - Ogasawara-shoto 8037
- R *Clematis theobromina* Dunn 14782  
R 14782 India - Tamil Nadu 14782
- R *Clematis trichotoma* Nakai 15957  
R 15923 Korea, South (north to Chollanam-do)  
15957
- V *Clematis viticaulis* Steele 20850  
V 20850 U.S. - Virginia 20850
- R *Consolida armeniaca* (Stapf ex Huth) Schrod. 12840  
R 12840 Turkey 12840
- R *Consolida cornuta* (Davis & Hossain) Davis 12840  
R 12840 Turkey 12840
- I *Consolida cruciata* (Davis & Hossain) Davis 12840  
I 12840 Turkey 12840
- R *Consolida lineolata* Huber-Mor. & Simon 12840  
R 12840 Turkey 12840
- R *Consolida olopetala* (Boiss.) Hayek 12840, 20171  
R 12840 Turkey 12840
- E *Consolida samia* P.H. Davis 8000  
E 20731 Greece - East Aegean Is 20731
- R *Consolida staminosa* Davis & Sorger 12840  
R 12840 Turkey 12840
- R *Consolida stapfiana* Davis & sorger 12840  
R 12840 Turkey 12840
- I *Consolida tuntasiana* (Halacsy) Soo 20171  
I Greece
- V *Coptis chinensis* Franchet 11139  
V China - Hubei 11139  
V China - Shaanxi 11139

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Coptis*

- V China - Sichuan 11139  
E 20985 Vietnam 6057
- V *Coptis chinensis* Franchet var. *brevisepala* W.T.  
Wang & Hsiao 17617  
V 17617 China - Anhui 11139  
V 17617 China - Fujian 11139  
V 17617 China - Guangdong 11139  
V 17617 China - Guangxi 11139  
V 17617 China - Jiangxi 11139  
V 17617 China - Zhejiang 11139  
E Vietnam 6057
- V *Coptis lutescens* Tamura 10572  
V 10572 Japan 10572
- E *Coptis omeiensis* (Chen) C.Y. Young 17617  
E 17617 China - Sichuan (Ernei, Ebian, Hongya) 11139
- R *Coptis ramosa* (Makino) Tamura 10572  
R 10572 Japan 10572
- V *Coptis teeta* Wallich 17617  
V 17617 China - Xizang Zizhiqu (Metue; Chayu) 11139  
V 17617 China - Yunnan 11139  
E 14782 India - Arunachal Pradesh 9248  
V 8318 Myanmar 8318
- V *Delphinium alabamicum* Kral 20850  
V 20850 U.S. - Alabama 20850
- V *Delphinium alpestre* Rydb. 20850  
R 20850 U.S. - Colorado 20850  
V 20850 U.S. - New Mexico 20850
- I *Delphinium altissimum* Wall. var. *siamensis* (Craib)  
T. Shimizu 19120  
I 19120 Thailand 19120
- R *Delphinium anatolicum* Misirdali et al. 12840  
R 12840 Turkey 12840
- E *Delphinium bakeri* Ewan 20850  
E 20850 U.S. - California 20850
- E *Delphinium bicornutum* Warnock ssp. *oaxacanum*  
Warnock 20883, 9751  
I 20883 Mexico 20883  
? Mexico - Oaxaca 9751
- R *Delphinium bithynicum* Davis 12840  
R 12840 Turkey 12840
- E *Delphinium calcar-equitis* Hemsley 9751  
E 9751 Mexico - Chihuahua 9751
- E *Delphinium californicum* Torr. & A.Gray ssp. *interius*  
(Eastw.) Ewan 20850  
I 20850 U.S. - California 20850
- R *Delphinium cardinale* Hook. 20850  
I 20850 U.S. - California 20850
- E *Delphinium caseyi* B.L. Burt 14230  
E 19164 Cyprus (limestone mountain summits) 14230
- R *Delphinium cilicicum* Davis & Kit Tan 12840  
R 12840 Turkey 12840
- R *Delphinium cinereum* Boiss. 12840  
R 12840 Turkey 12840
- V *Delphinium cossonianum* Battand.  
V Morocco
- R *Delphinium cyphoplectrum* Boiss. var. *vanense*  
(Rech.) Davis 12840  
R 12840 Turkey 12840
- R *Delphinium decorum* Fisch. & C.A. Mey. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Delphinium decorum* Fisch. & C.A. Mey. ssp. *decorum* 20850  
I 20850 U.S. - California 20850
- V *Delphinium decorum* Fisch. & C.A. Mey. ssp. *tracyi*  
Ewan 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Delphinium dolichostachyum* Chowdhuri & Davis 12840  
R 12840 Turkey 12840
- R *Delphinium exaltatum* Ait. 20850  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Maine 20850  
E 20850 U.S. - Maryland 20850  
V 20850 U.S. - Missouri 20850  
E 20850 U.S. - North Carolina 20850  
R 20850 U.S. - Ohio 20850  
E 20850 U.S. - Pennsylvania 20850  
E 20850 U.S. - Tennessee 20850  
R 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- I *Delphinium fissum* Waldst. & Kit. 5942, 20171  
V 21091 Bosnia & Herzegovina 21091  
I 5942 Georgia 5942  
I 5942 Moldova 5942  
I 5942 Ukraine - Crimea 5942
- R *Delphinium gauthieri* Rouy  
R Spain
- R *Delphinium glaucescens* Rydb. 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850
- R *Delphinium gracilentum* Greene 20850  
I 20850 U.S. - California 20850
- R *Delphinium gypsophilum* Ewan 20850  
I 20850 U.S. - California 20850
- R *Delphinium gypsophilum* Ewan ssp. *gypsophilum* 20850  
I 20850 U.S. - California 20850
- V *Delphinium gypsophilum* Ewan ssp. *parviflorum* Lewis & Epling 20850  
I 20850 U.S. - California 20850
- V *Delphinium hansenii* (Greene) Greene ssp. *ewanianum*  
Warnock 20850  
V 20850 U.S. - California 20850
- V *Delphinium hesperium* A.Gray ssp. *cuyamaca*  
(Abrams) Lewis & Epling 20850  
V 20850 U.S. - California 20850
- I *Delphinium hirschfeldianum* Heldr. & Holzm. 20171  
I Greece
- V *Delphinium hutchinsoniae* Ewan 20850  
V 20850 U.S. - California 20850
- R *Delphinium ilgazense* Davis 12840  
R 12840 Turkey 12840
- R *Delphinium inopinum* (Jepson) Lewis & Epling 20850  
R 20850 U.S. - California 20850
- I *Delphinium koelzii* Munz  
I India - Himachal Pradesh (Kulu)
- V *Delphinium leucophaeum* Greene 20850  
V 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E *Delphinium luteum* Heller 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Delphinium*

- E 20850 U.S. - California 20850
- R *Delphinium multiplex* (Ewan) C.L. Hitchc. 20850  
I 20850 U.S. - Washington 20850
- R *Delphinium munzianum* Davis & Kit Tan 12840  
R 12840 Turkey 12840
- R *Delphinium nevadense* Kunze 20171  
R Spain
- R *Delphinium newtonianum* D.M. Moore 20850  
R 20850 U.S. - Arkansas 20850
- V *Delphinium nuttallianum* (Ewan) C.L. Hitchc. var. *lineapetalum* (Ewan) C.L. Hitchc. 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Delphinium nydeggeri* Huber-Mor. 12840  
R 12840 Turkey 12840
- I *Delphinium ovczinnikovii* Kamelin & Pissjauk. 5942  
I 5942 Uzbekistan 5942
- V *Delphinium oxyspalum* Borbás & Pax 8000, 20171  
V 19751 Poland (Tatry Mts.) 19751  
V 19321 Slovakia (central part of west Carpathians) 6951
- E *Delphinium parryi* Gray ssp. *blochmaniae* (Greene) Lewis & Epling 20850  
E 20850 U.S. - California 20850
- V *Delphinium parryi* Gray ssp. *eastwoodiae* Ewan 20850  
I 20850 U.S. - California 20850
- V *Delphinium parryi* Gray ssp. *purpureum* (Lewis & Epling) Warnock 20850  
V 20850 U.S. - California 20850
- E *Delphinium pavonaceum* Ewan 20850  
E 20850 U.S. - Oregon 20850
- R *Delphinium polycladon* Eastw. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Delphinium pratense* Eastw. 20850  
I 20850 U.S. - California 20850
- V *Delphinium puniceum* Pall. 20171  
V 11552 Russian Federation (Caucasus, west) 11552
- V *Delphinium purpusii* Brandeg. 20850  
I 20850 U.S. - California 20850
- R *Delphinium queneri* Davis 12840  
R 12840 Turkey 12840
- V *Delphinium recurvatum* Greene 20850  
V 20850 U.S. - California 20850
- V *Delphinium robustum* Rydb. 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850
- I *Delphinium roylei* Munz  
I India - Himachal Pradesh  
I India - Jammu & Kashmir
- R *Delphinium scopulorum* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- V *Delphinium simonkaianum* Pawl. 17823, 20171  
V 19949 Romania 20631
- V *Delphinium sordidum* Cuatrec. 20171  
V Spain
- R *Delphinium treleasei* Bush ex K.C. Davis 20850
- R 20850 U.S. - Arkansas 20850  
R 20850 U.S. - Missouri 20850
- R *Delphinium uliginosum* Curran 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- E *Delphinium variegatum* Torr. & A.Gray ssp. *kinkiense* (Munz) Warnock 20850  
E 20850 U.S. - California 20850
- E *Delphinium variegatum* Torr. & A.Gray ssp. *thornei* Munz 20850  
E 20850 U.S. - California 20850
- V *Delphinium viridescens* Leib. 20850  
V 20850 U.S. - Washington 20850
- V *Delphinium xantholeucum* Piper 20850  
I 20850 U.S. - Washington 20850
- V *Enemion hallii* (Gray) Drum. & Hutchinson 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Enemion savilei* (Calder & Taylor) Keener 20850, 10701  
R 20850 Canada - British Columbia 20850
- R *Hamadryas argentea* Hook.f.  
R Falkland Is.
- R *Helleborus lividus* Aiton 20171  
R Spain - Balearic Is.
- R *Helleborus orientalis* Lam. 20171  
R Greece
- R *Helleborus vesicarius* Auch. 12840  
R 12840 Turkey 12840
- R *Isoopyrum arisanense* (Hayata) Ohwi 20511  
R 20511 Taiwan 20511
- R *Isoopyrum hakonense* F. Maek. & Tuy. 10572  
R 10572 Japan 10572
- I *Isoopyrum ludlowii* Tamura & Lawner  
I India - Jammu & Kashmir (Lidar Valley, nr Pahlgam)
- R *Isoopyrum numajirianum* Makino 10572  
R 10572 Japan 10572
- R *Isoopyrum ohwianum* (Koidz.) Tamura & Lauener 10572  
R 10572 Japan 10572
- V *Isoopyrum pterogiocaudatum* Koidz. 10572  
V 10572 Japan 10572
- R *Kingdonia uniflora* Balf.f. & W. Smith 17617  
R 17617 China - Gansu 11139  
R 17617 China - Shaanxi (Taibe; Meixian) 11139  
R 17617 China - Sichuan 11139  
R 17617 China - Yunnan (Deking) 11139
- V *Laccopetalum giganteum* (Wedd.) Ulbr. 18200  
V 12468 Peru 18200
- R *Megaleranthis saniculifolia* Ohwi 15923  
R 15923 Korea, South (Mt Chiri, Mt Kaya, Mt Tokyu)
- V *Myosurus minimus* L. ssp. *apus* (Greene) Campbell 20850  
V 2050 Czech Republic 2050  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Myosurus minimus* (Huth) Campbell var. *sessiliflorus* (Huth) Campbell 20850  
I 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- V *Nigella arvensis* L. var. *oblanceolata*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Nigella*

- Davis 12840  
V 12840 Turkey 12840
- R *Nigella carpatha* Strid 20171  
R 20730 Greece - Crete (Karpathos, Kasos) 20730
- R *Nigella doerfleri* Vierh. 20171  
R 20731 Greece - Crete 20731
- R *Nigella fumariifolia* Kotschy 20171  
R Greece
- R *Nigella icarica* Strid  
R Greece
- R *Nigella lancifolia* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Nigella stricta* Strid 20171  
R Greece
- R *Oreithales integrifolia* (Kunth) Schlecht. 18200  
R 12468 Peru 18200
- R *Pulsatilla halleri* (All.) Willd. ssp. *slavica* (G. Reuss) Zamels 8000, 20171  
V 18216 Poland (west Tatra Mts.) 20798  
R 19947 Romania 19840  
V 19321 Slovakia 6951
- I *Pulsatilla hungarica* Soó 19841  
V Hungary  
I 19321 Slovakia 19321
- R *Pulsatilla kostyczewii* (Korsch.) Juzepczuk  
R former USSR 6930
- V *Pulsatilla pratensis* (L.) Mill. ssp. *hungarica* (soó) Soó 17762, 20171  
V 20686 Hungary 20686  
V 19949 Romania 17762
- R *Pulsatilla pratensis* (L.) Miller ssp. *zimmermannii* Soó 20686  
R 20686 Hungary 20686
- V *Pulsatilla subslavica* Futak ex Goliášová 19321  
V 19321 Slovakia 19321
- R *Pulsatilla vulgaris* Mill. ssp. *gotlandica* 18216, 20171  
R 20083 Sweden 18216
- I *Pulsatilla wallichiana* (Royle) Ulbr.  
I India - Himachal Pradesh  
I India - Jammu & Kashmir
- R *Ranunculus abnormis* Cutanda & Willk. 20171  
V 20076 Portugal 20076  
R Spain (west & central) 8000
- V *Ranunculus acetosellifolius* Boiss. 15398, 20171  
V 14155 Spain (Sierra Nevada) 15398
- E *Ranunculus acriformis* A. Gray var. *aestivalis* L. Benson 20850  
E 20850 U.S. - Utah 20850
- V *Ranunculus anemoneus* F.Muell. 20681  
V 20681 Australia - New South Wales 20681
- V *Ranunculus austrooreganus* L. Benson 20850  
V 20850 U.S. - Oregon 20850
- R *Ranunculus barceloi* Grau 20171  
R 20728 Spain - Balearic Is. 20728
- R *Ranunculus bilobus* Bertol. 20171  
R Italy
- R *Ranunculus bingoeldaghensis* A. Engin 12840  
R 12840 Turkey 12840
- R *Ranunculus bonariensis* Poir. var. *trisepalus* (Gillies ex Hook. & Arn.) Lourteig 20850  
I 20850 U.S. - California 20850
- Ex *Ranunculus bulbosus* L. ssp. *adscendens* (Brotero) Neves forma *macranthus* (Sommier & Caruana Gatto) Lanfranco 13351  
Ex 13351 Malta 13351
- E *Ranunculus cabrerensis* Rothm.  
E Spain
- V *Ranunculus cacuminis* Strid & Papan. 20171  
V Greece  
V (former) Yugoslavia
- E *Ranunculus caprarum* Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Ranunculus carolii* Christoph.  
R Tristan da Cunha
- R *Ranunculus clivicola* B.G.Briggs 20681  
R 20681 Australia - New South Wales 20681
- R *Ranunculus collicolus* Y.Menadue 20681  
R 20681 Australia - Tasmania 20681
- R *Ranunculus crateris* Davis 12840  
R 12840 Turkey 12840
- R *Ranunculus cupreus* Boiss. & Heldr. 20171  
R 20731 Greece - Crete (and Karpathos) 20731
- V *Ranunculus cyclocarpus* Pampan.  
V Libya
- R *Ranunculus cymbalarifolius* Balb. ex Moris 20171  
R Italy - Sardinia
- Ex/E *Ranunculus degenii* Kummerle & Jav. 20178, 20171  
Ex/E 20178 Albania 20178
- R *Ranunculus dissectifolius* Benth. 20681  
R 20681 Australia - New South Wales 20681
- R *Ranunculus dissectus* Bieb. ssp. *ermenekensis* Kit Tan & M. Vural 12840  
R 12840 Turkey 12840
- R *Ranunculus dissectus* Bieb. ssp. *rigidulus* (Boiss.) Davis 12840  
R 12840 Turkey 12840
- R *Ranunculus eichlerianus* B.G.Briggs 20681  
R 20681 Australia - Victoria 20681
- R *Ranunculus formosa-montanus* Ohwi 20511  
R 20511 Taiwan 20511
- V *Ranunculus glaberrimus* (A. Nels. & J.F. Macbr.) L. Benson var. *reconditus* (A. Nels. & J.F. Macbr.) L. Benson 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- R *Ranunculus godleyanus* Hook.f. 86  
R 19305 New Zealand - South Is. 19305
- R *Ranunculus grahamii* Petrie  
R New Zealand - South Is.
- R *Ranunculus guenerii* Y. Ayasligil & Davis 12840  
R 12840 Turkey 12840
- R *Ranunculus haastii* Hook.f. ssp. *piliferus* F. Fisher  
R New Zealand - South Is.
- E *Ranunculus hawaiensis* Gray 20850, 14209  
E 20850 U.S. - Hawaii (east Maui & Hawai'i) 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Ranunculus*

- Ex** *Ranunculus hayekii* Dörfn. 20178, 20171  
 Ex 20178 Albania 20178  
 R 21091 Bosnia & Herzegovina 21091
- V** *Ranunculus hexasepalus* (L. Benson) L. Benson 20850  
 I 20850 Canada - British Columbia 20850
- R** *Ranunculus hillii* Lourt. 16336  
 I 16336 Argentina 16336  
 R 20176 Argentina - Catamarca 20176  
 R 20176 Argentina - Tucuman 20176
- V** *Ranunculus inamoenus* (Gray) L. Benson var. *subaffinis* (Gray) L. Benson 20850  
 V 20850 U.S. - Arizona 20850
- R** *Ranunculus isthmicus* Boiss. ssp. *tenuifolus* (Stev.) Davis 12840  
 R 12840 Turkey 12840
- R** *Ranunculus jugosus* Y.Menadue 20681  
 R 20681 Australia - Tasmania 20681
- V** *Ranunculus kitadakeanus* Ohwi 10572  
 V 10572 Japan 10572
- E** *Ranunculus kykkoensis* Meikle 14230  
 E 19164 Cyprus 14230
- R** *Ranunculus macauleyi* Gray 20850  
 I 20850 U.S. - Colorado 20850  
 I 20850 U.S. - New Mexico 20850
- E** *Ranunculus macropetalus* DC. 18200  
 E 19965 Peru 19965
- R** *Ranunculus macropus* 19305  
 R 19305 New Zealand - South Is. 19305
- I** *Ranunculus maculatus* Cockayne & Allan  
 I New Zealand - South Is.
- V** *Ranunculus mauianensis* Gray 20850, 14209  
 V 20850 U.S. - Hawaii 20850
- R** *Ranunculus miliarakesii* Halácsy 20171  
 R Greece
- R** *Ranunculus millii* Boiss. & Heldr. 20171  
 R Greece
- R** *Ranunculus munzurenensis* S. Erik & S. Yildirimli 12840  
 R 12840 Turkey 12840
- R** *Ranunculus nankotaizanus* Ohwi 20511  
 R 20511 Taiwan 20511
- R** *Ranunculus niphophilus* B.G.Briggs 20681  
 R 20681 Australia - New South Wales 20681
- R** *Ranunculus pacificus* (Hulten) L. Benson 20850  
 R 20850 U.S. - Alaska 20850
- R** *Ranunculus poluninii* Davis 12840  
 R 12840 Turkey 12840
- E** *Ranunculus prasinus* Y.Menadue 20681  
 E 20681 Australia - Tasmania 20681
- R** *Ranunculus productus* B.G.Briggs 20681  
 R 20681 Australia - New South Wales 20681
- R** *Ranunculus punctatus* Jurtz. 21309  
 R 21309 Russia (E.Europe) - North 21309
- E** *Ranunculus radinotrichus* Greuter & Strid 20731, 20171  
 E 20731 Greece - Crete 20731
- V** *Ranunculus revelieri* Boreau ssp. *revelieri* 20171  
 V 20528 France - Corsica 20528  
 E 20743 Italy - Sardinia 20743
- V** *Ranunculus revelieri* Boreau ssp. *rodiei* (Litard.) Tutin 20171  
 V 20528 France (Var) 20528
- I** *Ranunculus sajanensis* Popov 5942  
 I 5942 Kyrgyzstan 5942
- R** *Ranunculus setaceus* Rodway 20681  
 R 20681 Australia - Tasmania 20681
- R** *Ranunculus sintenisii* Freyn 12840  
 R 19873 Turkey 12840
- R** *Ranunculus subhomophyllus* (Halácsy) Vierh. 20171  
 R Greece
- I** *Ranunculus taisanensis* Hayata var. *tripartitus* Ohwi 20511  
 I 20511 Taiwan 20511
- R** *Ranunculus tempskyanus* Freyn & Sint. 12840  
 R 12840 Turkey 12840
- R** *Ranunculus ternatifolius* 19305  
 R 19305 New Zealand - North Is. 19305  
 R 19305 New Zealand - South Is. 19305
- R** *Ranunculus thasius* Halácsy 20171  
 R Greece
- V** *Ranunculus turneri* Greene 20850, 6796  
 E 20850 Canada - Mackenzie 20850  
 E 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- R** *Ranunculus vanensis* Davis 12840  
 R 12840 Turkey 12840
- R** *Ranunculus viridis* 19305  
 R 19305 New Zealand - South Is. 19305
- I** *Ranunculus wettsteinii* Dörfn. 20178, 20171  
 Ex/E 20178 Albania 20178  
 I (former) Yugoslavia
- E** *Ranunculus weyleri* Marès 8000, 20171  
 E 20874 Spain - Balearic Is. (north Mallorca) 20874
- V** *Ranunculus yaegatakensis* Masam. 10572  
 V 10572 Japan 10572
- R** *Ranunculus yakusimensis* Masam. 10572  
 R 10572 Japan 10572
- V** *Ranunculus yatsugatakensis* Honda & Kumaz. 10572  
 V 10572 Japan 10572
- V** *Shibateranthis pinnatifida* (Maxim.) Satake & Okuy. 10572  
 V 10572 Japan 10572
- V** *Thalictrum arkansanum* Boivin 20850  
 V 20850 U.S. - Arkansas 20850  
 E 20850 U.S. - Oklahoma 20850  
 E 20850 U.S. - Texas 20850
- R** *Thalictrum calabricum* Spreng. 20171  
 R Italy  
 R Italy - Sicily
- I** *Thalictrum calicolum* T. Shimizu 19120  
 I 19120 Thailand 19120
- E** *Thalictrum cooleyi* Ahles 20850, 15925  
 E 20850 U.S. - Florida (Walton Co.) 20850  
 E 20850 U.S. - North Carolina (South East) 20850
- R** *Thalictrum coreanum* Leveille 15957  
 R 15923 Korea, South (north to Mt Sorak and Mt Chuwang) 15957
- I** *Thalictrum dalzellii* Hook. 14782

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Ranunculaceae: *Thalictrum*

- I 14782 India - Karnataka 14782  
 I 14782 India - Maharashtra 14782
- V *Thalictrum debile* Buckl. 20850  
 V 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - Mississippi 20850
- R *Thalictrum filamentosum* Maxim. var. *yakushimae*  
 Tamura 10572  
 R 10572 Japan 10572
- R *Thalictrum foetidum* L. var. *apoiense*  
 Shimizu 10572  
 R 10572 Japan 10572
- V *Thalictrum foetidum* L. var. *iwatense*  
 Shimizu 10572  
 V 10572 Japan 10572
- R *Thalictrum heliophilum* Wilken & DeMott 20850  
 R 20850 U.S. - Colorado 20850
- V *Thalictrum henricksonii* M. Johnston 10061  
 V 19800 Mexico - Zacatecas 10061
- V *Thalictrum hulthenii* Boivin 20850  
 I 20850 Canada - Ontario 20850  
 I 20850 U.S. - Alaska 20850
- R *Thalictrum integrifolium* Maxim. 10572  
 R 10572 Japan 10572
- V *Thalictrum maritimum* Dufour 20171  
 V 20692 Spain (Castellón & Valencia provinces) 20692
- V *Thalictrum minus* L. var. *sekimotoanum*  
 Kitam. 10572  
 V 10572 Japan 10572
- V *Thalictrum mirabile* Small 20850  
 E 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Kentucky 20850  
 V 20850 U.S. - Tennessee 20850
- V *Thalictrum nigromontanum* Boivin 20850  
 I 20850 U.S. - South Dakota 20850
- R *Thalictrum rubescens* Ohwi 20511  
 R 20511 Taiwan 20511
- E *Thalictrum subtundum* Boivin 20850  
 E 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- V *Thalictrum texanum* (Gray) Small 20850  
 V 20850 U.S. - Texas 20850
- V *Thalictrum toyamae* Ohwi 10572  
 V 10572 Japan 10572
- R *Thalictrum uncinatum* Rehmman 20171  
 R former European USSR
- E *Thalictrum viridulum* Boivin 20883, 9006  
 I 20883 Panama 20883
- E *Trollius aculis* Lindley 14768  
 E India - Jammu & Kashmir (Mahdev, Gumri) 14768
- R *Trollius akiyamae* Toyok. 10572  
 R 10572 Japan 10572
- R *Trollius laxis* Salisb. ssp. *laxis* 20850  
 E 20850 U.S. - Connecticut 20850  
 I 20850 U.S. - Maine 20850  
 I 20850 U.S. - Michigan 20850  
 E 20850 U.S. - New Jersey 20850

- R 20850 U.S. - New York 20850  
 E 20850 U.S. - Ohio 20850  
 E 20850 U.S. - Pennsylvania 20850
- R *Trollius pulcher* Makino 10572  
 R 10572 Japan 10572

Resedaceae

Number of genera: 6  
 Number of species: 70  
 Recorded threatened species: 15 (21%)

Northern Hemisphere, mostly Old World, especially Mediterranean.

- R *Reseda armena* Boiss. 12840  
 R 12840 Turkey 12840
- R *Reseda balansae* Muller 12840  
 R 12840 Turkey 12840
- R *Reseda battandieri* Pitard  
 R Morocco
- R *Reseda complicata* Bory 20171  
 R Spain
- R *Reseda coodei* Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Reseda crystallina* Webb & Berthel. 20171  
 R Spain - Canary Is.
- I *Reseda germanicopolitana* Huber-Mor. 12840  
 I 12840 Turkey 12840
- R *Reseda jacquinii* Rchb. 20171  
 R France (Cevennes, south-east Pyrenees)
- R *Reseda scoparia* Brouss. ex Willd.  
 R Spain - Canary Is.
- R *Reseda tomentosa* Boiss. var. *tomentosa* 12840  
 R 12840 Turkey 12840
- R *Reseda tymphaea* Hausskn. 20171  
 R Greece
- R *Reseda viridis* Balf. f. 15534  
 R 14209 Yemen - Socotra 14209
- R *Reseda vivanti* Monts.  
 R Spain
- R *Sesamoides minus* (Lange) Kuntze  
 R Spain
- R *Sesamoides spathulifolium* (Revel ex Bory) Rothm.  
 R Spain

Rhabdodendraceae

Number of genera: 1  
 Number of species: 3  
 Recorded threatened species: 1 (33%)

Tropical South America.

- E *Rhabdodendron gardneranum* (Bentham) Sandwith 20883  
 I 20883 Brazil 20883

Rhamnaceae

Number of genera: 55  
 Number of species: 900  
 Recorded threatened species: 171 (19%)

Cosmopolitan, especially tropical and subtropical.

- R *Adolphia californica* S.Watson 20850  
 V 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rhamnaceae: *Adolphia*

- V** *Alphitonia erubescens* Baillon 20893  
**V** 20893 New Caledonia 20893
- R** *Alphitonia ponderosa* Hbd. 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- V** *Auerodendron acunae* Borh. & Muniz 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Auerodendron glaucescens* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- V** *Auerodendron jamaicense* (Urb.) Urb. 20883  
**V** 20883 Jamaica 20883
- R** *Auerodendron martii* Alain 5607  
**R** 19105 Cuba (Pinar del Rio) 5607
- E** *Auerodendron pauciflorum* Alain 20883, 19002  
**E** 20883 Puerto Rico 20883
- E** *Berchemiella wilsonii* Nakai 17617  
**E** 17617 China - Anhui (Hueshan, Yuxian) 11139  
**E** 17617 China - Hubei (Xingshan) 11139
- R** *Ceanothus arboreus* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus connivens* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus crassifolius* Torr. 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus cuneatus* (Hook.) Nutt. ex Torr. & Gray ssp. *sonomensis* (J.T. Howell) C. Schmidt 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus cyaneus* Eastw. 20850  
**V** 20850 U.S. - California 20850
- V** *Ceanothus dentatus* Torr. & Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus diversifolius* Kellogg 20850  
**I** 20850 U.S. - California 20850
- E** *Ceanothus ferrisiae* McMinn 20850  
**E** 20850 U.S. - California 20850
- R** *Ceanothus foliosus* Parry 20850  
**I** 20850 U.S. - California 20850
- E** *Ceanothus foliosus* Parry ssp. *vineatus* (McMinn) C. Schmidt 20850  
**E** 20850 U.S. - California 20850
- R** *Ceanothus gloriosus* J.T. Howell 20850  
**I** 20850 U.S. - California 20850
- E** *Ceanothus gloriosus* J.T. Howell ssp. *masonii* (McMinn) C. Schmidt 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus gloriosus* J.T. Howell ssp. *porrectus* (J.T. Howell) C. Schmidt 20850  
**V** 20850 U.S. - California 20850
- R** *Ceanothus griseus* (Trel. ex B.L. Robins.) McMinn 20850  
**I** 20850 U.S. - California 20850
- E** *Ceanothus hearstiorum* Hoover & J.B. Roof 20850  
**E** 20850 U.S. - California 20850
- V** *Ceanothus impressus* Trel. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus incanus* Torr. & Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus jepsonii* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus lemmonii* Parry 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus leucodermis* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus maritimus* Hoover 20850  
**V** 20850 U.S. - California 20850
- V** *Ceanothus megacarpus* Nutt. ssp. *insularis* (Eastw.) Raven 20850  
**V** 20850 U.S. - California 20850
- V** *Ceanothus oliganthus* Nutt. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus oliganthus* Nutt. ssp. *sorediatus* (Hook. & Arn.) C. Schmidt 20850  
**I** 20850 U.S. - California 20850
- E** *Ceanothus ophiochilus* Boyd, Ross & Arnseth 20850  
**E** 20850 U.S. - California 20850
- V** *Ceanothus palmeri* Trel. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus papillosus* Torr. & Gray 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus parryi* Trel. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus parvifolius* (S.Watson) Trel. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus pinetorum* Coville 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus prostratus* Benth. ssp. *confusus* (J.T. Howell) C. Schmidt 20850  
**V** 20850 U.S. - California 20850
- R** *Ceanothus prostratus* Benth. ssp. *pumilus* (Greene) C. Schmidt 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- V** *Ceanothus purpureus* Jepson 20850  
**V** 20850 U.S. - California 20850
- V** *Ceanothus purpureus* Jepson ssp. *divergens* (Parry) C. Schmidt 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus roderickii* Knight 20850  
**V** 20850 U.S. - California 20850
- V** *Ceanothus spinosus* Nutt. 20850  
**I** 20850 U.S. - California 20850
- R** *Ceanothus tomentosus* Parry 20850  
**I** 20850 U.S. - California 20850
- V** *Ceanothus verrucosus* Nutt. 20850  
**V** 20850 U.S. - California 20850
- E** *Colletia spartioides* Bertero ex Colla 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- V** *Colubrina cubensis* (Jacq.) Brongn. 20850  
**E** 20850 U.S. - Florida 20850
- E** *Colubrina cubensis* (Jacq.) Brongn. var. *floridana* M.C. Johnston 20850  
**E** 20850 U.S. - Florida 20850
- I** *Colubrina johnstonii* Wendt 10081  
**I** 19800 Mexico - Veracruz 10081
- R** *Colubrina nicholsonii* A.E.van Wyk & Schrire 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Colubrina obscura* (Schränk) M.C. Johnston 20883, 19890



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rhamnaceae: *Colubrina*

- R 19890 Jamaica 20883
- E *Colubrina oppositifolia* Brongn. ex Mann 20850.  
14209, 21348, 21356  
E 20850 U.S. - Hawaii (O'ahu & Hawai'i) 20850
- R *Colubrina pedunculata* Baker f. 881  
R 14224 Australia - Christmas Is. 881
- V *Colubrina stricta* Engelm. ex M.C. Johnston 20883.  
20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- E *Condalia hookeri* M.C. Johnston var. *edwardsiana*  
(Cory) M.C. Johnston 20850  
E 20850 U.S. - Texas 20850
- R *Cryptandra exilis* D.Morris 20681  
R 20681 Australia - Tasmania 20681
- R *Cryptandra intratropica* Fitzg. ssp. *brevis*  
K.Thiele ms. 20681  
R 20681 Australia - Northern Territory 20681
- R *Cryptandra lanosiflora* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Cryptandra polyclada* Diels 20681  
R 20681 Australia - Western Australia 20681
- R *Discaria nitida* Tortosa 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R *Discaria pubescens* (Brongn.) Druce 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- E *Doerpfeldia cubensis* (Britton) Urban 11840  
E 19105 Cuba (Oriente; Las Villas) 11840
- V *Emmenosperma pancherianum* Baillon 20802  
V 20893 New Caledonia 20802
- R *Gouania australiana* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- E *Gouania axilliflora* M. C. Johnst 20883  
I 20883 Peru 20883
- V *Gouania ekmanii* Alain 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E *Gouania hillebrandii* Oliver ex Hbd. 20850, 14209  
E 20850 U.S. - Hawaii (Maui & Moloka'i) 20850
- E *Gouania leguatii* Guého 10082  
E 5852 Mauritius - Rodrigues (Cascade Mourouk) 5852
- E *Gouania mangarevica* Fosberg 20845  
E 20845 French Polynesia - Tuamotu Is. 20845
- E *Gouania mauritiana* Lam. ssp. *mauritiana* 10082  
E 14234 Réunion 14234  
Ex 20771 Mauritius 10936
- E *Gouania meyenii* Steud. 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- V *Gouania tiliifolia* Lam. 19420  
Ex 14220 Réunion 14220  
V 20771 Mauritius 19420
- E *Gouania vitifolia* Gray 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V *Lasiodiscus mildbraedii* Engl. ssp. *ferrugineus*  
(Verdc.) Faden 20057  
V 20057 Kenya (coastal) 17435
- Ex/E *Lasiodiscus rozeirae* Exell 20799  
Ex/E 20799 Sao Tome & Principe (D. Eugenia) 20799
- E *Nesiota elliptica* Hook.f. 18996  
E 18996 St Helena 18996
- R *Phylica affinis* Sond. 20604  
R 20604 South Africa - Cape Province 20604
- R *Phylica agathosmoides* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- E *Phylica ampliata* Pillans 20604  
E 20604 South Africa - Cape Province 20604
- R *Phylica brevifolia* Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- R *Phylica fruticosa* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- I *Phylica greyi* Pillans 20604  
I 20604 South Africa - Cape Province 20604
- V *Phylica natalensis* Pillans 20604  
V 20604 South Africa - Natal 20604
- V *Phylica parvula* Pillans 20604  
V 20604 South Africa - Cape Province 20604
- R *Phylica pearsonii* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- R *Phylica plumigera* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- E *Phylica polifolia* (Vahl) Pillans 18996  
E 18996 St Helena 18996
- R *Phylica retorta* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- R *Phylica retrorsa* E.Mey. ex Sond. 20604  
R 20604 South Africa - Cape Province 20604
- I *Phylica schlechteri* Pillans 20604  
I 20604 South Africa - Cape Province 20604
- I *Phylica simii* Pillans 20604  
I 20604 South Africa - Cape Province 20604
- I *Phylica stenopetala* Schltr. var. *stenopetala* 20604  
I 20604 South Africa - Cape Province 20604
- R *Pomaderris bilocularis* A.S.George 20681  
R 20681 Australia - Western Australia 20681
- R *Pomaderris brogoensis* N.G.Walsh 20681  
R 20681 Australia - New South Wales 20681
- V *Pomaderris brunnea* Wakef. 20681  
V 20681 Australia - New South Wales 20681
- V *Pomaderris clivicola* E.Ross 20681  
V 20681 Australia - Queensland 20681
- R *Pomaderris cocoparrana* N.G.Walsh 20681  
R 20681 Australia - New South Wales 20681
- R *Pomaderris costata* Wakef. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- E *Pomaderris cotoneaster* Wakef. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- V *Pomaderris gilmourii* N.G.Walsh var. *cana*  
N.G.Walsh 20681  
V 20681 Australia - New South Wales 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rhamnaceae: *Pomaderris*

- R** *Pomaderris gilmourii* N.G.Walsh var. *gilmourii*  
N.G.Walsh 20681  
R 20681 Australia - New South Wales 20681
- R** *Pomaderris grandis* F.Muell. 20681  
R 20681 Australia - Western Australia 20681
- R** *Pomaderris halmaturina* N.G.Walsh ssp. *continentis* 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V** *Pomaderris halmaturina* J.Black ssp. *halmaturina* 20681  
V 20681 Australia - South Australia 20681
- R** *Pomaderris hamiltonii* 19305  
R 19305 New Zealand - North Is. 19305
- R** *Pomaderris humilis* N.G.Walsh 20681  
R 20681 Australia - Victoria 20681
- R** *Pomaderris notata* S.T.Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Pomaderris oblongifolia* N.G.Walsh 20681  
R 20681 Australia - Victoria 20681
- R** *Pomaderris oraria* F.Muell. ex Reisseck ssp. *calvicola* N.G.Walsh 20681  
R 20681 Australia - Victoria 20681
- R** *Pomaderris oraria* F.Muell. ex Reisseck ssp. *oraria* 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- V** *Pomaderris pallida* Wakef. 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681
- V** *Pomaderris parrisiae* N.G.Walsh 20681  
V 20681 Australia - New South Wales 20681
- R** *Pomaderris pauciflora* Wakef. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- V** *Pomaderris rugosa* Cheeseman  
V New Zealand - North Is.
- V** *Pomaderris sericea* Wakef. 20681  
Ex/E 20681 Australia - New South Wales 20681  
V 20681 Australia - Victoria 20681
- V** *Pomaderris subplicata* N.G.Walsh 20681  
V 20681 Australia - Victoria 20681
- R** *Pomaderris tropica* Wakef. 20681  
R 20681 Australia - Queensland 20681
- R** *Pomaderris virgata* N.G.Walsh 20681  
R 20681 Australia - New South Wales 20681
- R** *Reynosia guama* Urban 15107  
R 15107 Puerto Rico 15107  
R 15107 British Virgin Is. (Jost Van Dyke, Virgin Gorda) 15107  
R 15107 USA - Virgin Is. 15107
- E** *Reynosia jamaicensis* M.C. Johnston 20883, 13336  
E 13336 Jamaica 20883
- R** *Reynosia microphylla* Urban 11840  
R 19105 Cuba (La Habana) 11840
- V** *Reynosia moaensis* Borh. & Muniz 5607  
V 19105 Cuba (Holguin) 19105
- R** *Rhamnidium brevifolium* Borh. 5607  
R 19105 Cuba (Guantanamo) 19105
- E** *Rhamnidium caloneurum* Standl. 20883, 9006  
I 20883 Panama 20883
- V** *Rhamnidium dictyophyllum* Urb. 20883, 13336  
V 13336 Jamaica 20883
- R** *Rhamnidium poterilloanum* Borh. & Muniz 5607  
R 19105 Cuba (Sancti Spiritus) 5607
- R** *Rhamnus breedlovei* L.A. & M.C. Johnston 20883  
R 20883 Guatemala 20883  
R 20883 Mexico 20883
- R** *Rhamnus capraefolia* var. *grandifolia* M.C. & L.A. Johnston 20883  
V 20883 Costa Rica 20883  
V 20883 El Salvador 20883  
V 20883 Guatemala 20883  
R 20883 Mexico 20883
- V** *Rhamnus glandulosa* Aiton 19174  
V Portugal - Madeira  
V 19174 Spain - Canary Is. 19174
- V** *Rhamnus glaucophylla* Sommier 18264  
V 18264 Italy (Tuscany) 18264
- R** *Rhamnus goudotiana* Triana & Planchon 20883  
R 20883 Colombia 20883  
V 20883 Venezuela 20883
- R** *Rhamnus granulosa* (Ruiz & Pavon) Weberbauer 20883  
R 20883 Colombia 20883  
E 20883 Ecuador 20883  
E 20883 Peru 20883
- R** *Rhamnus hintonii* M.C. & L.A. Johnston 20883, 10062  
R 20883 Mexico 20883
- R** *Rhamnus hirtellus* Boiss. 12840  
R 20618 Turkey 20618
- R** *Rhamnus integrifolia* DC.  
R Spain - Canary Is.
- R** *Rhamnus intermedius* Steud. & Hochst. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Rhamnus ishidae* Miyabe & Kudo 10572  
R 10572 Japan 10572
- R** *Rhamnus kayacikii* Davis & F. Yaltirik 12840  
R 20618 Turkey 20618
- E** *Rhamnus lindeniana* Triana & Planchon 20883  
E 20883 Venezuela 20883
- V** *Rhamnus lojaconoi* Raimondo 18264  
V 18264 Italy - Sicily 18264
- V** *Rhamnus longistyla* C.B. Wolf 20883, 9004  
V 20883 Mexico 20883
- E** *Rhamnus macrocarpa* Standley 20883, 10062  
E 20883 Mexico 20883
- R** *Rhamnus mcvaughii* L.A. & M.C. Johnston 20883, 10062  
R 20883 Mexico 20883
- R** *Rhamnus nitidus* Davis 12840  
R 20618 Turkey 20618
- R** *Rhamnus oreodendron* L.O. Wms. 20883  
R 20883 Costa Rica 20883  
I 20883 Panama 20883
- V** *Rhamnus palmeri* S.Watson 20883, 10062  
V 20883 Mexico 20883
- V** *Rhamnus persicifolius* Moris 18264, 20171  
Ex 15080 France - Corsica 12844  
V 18264 Italy - Sardinia 18264

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rhamnaceae: *Rhamnus*

- R** *Rhamnus pichleri* Schneider & Bornm. ex Bornm. 12840  
**R** 20618 Turkey 20618
- E** *Rhamnus pirifolia* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Rhamnus pompana* M.C. & L.A. Johnston 20883, 10062  
**V** 20883 Mexico 20883
- V** *Rhamnus rosei* M.C. & L.A. Johnston 20883, 10062  
**I** 20883 Mexico 20883
- R** *Rhamnus scopulorum* (M. E. Jones) Wolf 20883, 10062  
**V** 20883 Mexico 20883
- Ex/E** *Rhamnus seravschanica* (Komarov) Kamelin 5942  
**Ex/E** 5942 Uzbekistan 5942
- V** *Rhamnus serrata* L. A. Johnston var. *guatemalensis*  
**L.A. Johnston** 20883, 10062  
**I** 20883 Guatemala 20883
- R** *Rhamnus sphaerosperma* Sw. var. *longipes* M.C. &  
**L.A. Johnston** 20883  
**R** 20883 Dominican Republic 20883  
**V** 20883 Haiti 20883  
**V** 20883 Puerto Rico 20883
- R** *Rhamnus sphaerosperma* Sw. var. *mesoamericana* M.C.  
**& L.A. Johnston** 20883  
**R** 20883 El Salvador 20883  
**R** 20883 Guatemala 20883  
**R** 20883 Honduras 20883  
**R** 20883 Mexico 20883
- R** *Rhamnus sphaerosperma* Sw. var. *sphaerosperma*  
**Swartz** 20883  
**E** 20883 Cuba 20883  
**R** 20883 Jamaica 20883
- R** *Rhamnus ulei* Pilger 20883  
**V** 20883 Guyana 20883  
**R** 20883 Venezuela 20883
- R** *Sarcophalus havanensis* (Kunth) Griseb. 11840  
**R** 19105 Cuba 11840
- R** *Spyridium burragorang* K.Thiele ms. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Spyridium cinereum* Wakef. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Spyridium coactilifolium* Reisseck 20681  
**V** 20681 Australia - South Australia 20681
- V** *Spyridium eriocephalum* Fenzl var. *glabrisepalum*  
**J.Black** 20681  
**V** 20681 Australia - South Australia 20681
- R** *Spyridium gunnii* (Hook.f.) Benth. 20681  
**R** 20681 Australia - Tasmania 20681
- V** *Spyridium microphyllum* (Reisseck) Druce 20681  
**V** 20681 Australia - Tasmania 20681
- V** *Spyridium obcordatum* (Hook.f.) W.M.Curtis 20681  
**V** 20681 Australia - Tasmania 20681
- R** *Spyridium spathulatum* (F.Muell.) Benth. 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- V** *Stenanthemum pimeleoides* (Hook.f.) Benth. 20681  
**V** 20681 Australia - Tasmania 20681
- V** *Trymalium minutiflorum* E.Ross 20681  
**V** 20681 Australia - Queensland 20681
- R** *Trymalium ramosissimum* Audas 20681  
**R** 20681 Australia - Victoria 20681

- I** *Ventilago palawanensis* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- V** *Ziziphus bidens* (Urban) M.C. Johnston 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Ziziphus celata* Judd & Hall 20850  
**E** 20850 U.S. - Florida 20850
- E** *Ziziphus guaranitica* Malme 16336  
**E** 16336 Argentina 16336  
**E** 20176 Argentina - Formosa 20176
- I** *Ziziphus horrida* Roth  
**I** India - Andhra Pradesh (Kurnool)  
**I** India - Karnataka (Mysore)
- V** *Ziziphus hutchinsonii* Merr. 13780  
**V** 15960 Philippines 13780
- R** *Ziziphus mistol* Griseb. 20883  
**I** 20883 Argentina 20883  
**R** 20883 Bolivia 21056  
**R** 20883 Paraguay 20883
- I** *Ziziphus palawanensis* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Ziziphus robertsoniana* Beentje Sp. Nov. Ined. 20057  
**R** 20057 Kenya 20057
- V** *Ziziphus talanai* (Blanco) Merr. 13780  
**V** 15960 Philippines 13780
- I** *Ziziphus truncata* Blatter & Hallberg 7771  
**I** India - Rajasthan (west) 7771

Rhizophoraceae

Number of genera: 14  
 Number of species: 100  
 Recorded threatened species: 12 (12%)

Tropical and subtropical.

- E** *Carallia diplopetala* Hand.-Mazz. 17617  
**E** 17617 China - Guangxi (Shiwandashan) 11139
- V** *Cassipourea adami* Jacq.-Fel. 7926  
**V** Guinea 7926
- V** *Cassipourea brittoniana* F. & R. 20883, 13336  
**V** 19890 Jamaica (Trelawny) 20883
- E** *Cassipourea eketensis* Baker f. 7926  
**E** 20749 Nigeria (Eket) 7926
- I** *Cassipourea firestoneana* Cooper & Record 16029  
**I** 16029 Liberia 16029
- R** *Cassipourea flanaganii* (Schinz) Alston 20604  
**R** 20604 South Africa - Cape Province 20604  
**I** 15013 South Africa - Natal 15013
- V** *Cassipourea hiotou* Aubrev. & Pellegrin 20274  
**V** 20887 Côte d'Ivoire (south-west) 20887  
**V** 20858 Ghana 20274
- E** *Cassipourea subcordata* Britton 20883, 13336  
**E** 13336 Jamaica 20883
- E** *Cassipourea subsessilis* Britton 20883, 13336  
**E** 13336 Jamaica 20883
- E** *Cassipourea swaziensis* Compton 20604, 18023  
**E** 20604 Swaziland 20604
- Ex/E** *Cassipourea thomassetii* Alston 5437  
**Ex/E** 5437 Seychelles - Coralline Is. (Aldabra)  
 5437
- R** *Pellacalyx yunnanensis* Hu 17617  
**R** 17617 China - Yunnan (Mengla) 11139

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rhizophoraceae: *Pellacalyx*

**Rhoipteleaceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Southwestern China and North Vietnam.

- R** *Rhoiptelea chiliantha* Diels & Hand.-Mazz. 17617  
**R** 17617 China - Guangxi 11139  
**R** 17617 China - Guizhou 11139  
**R** 17617 China - Yunnan (Xichou; Bingbian) 11139  
**I** 20985 Vietnam 6057

**Rhynchocalyceae**

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

South Africa.

- V** *Rhynchocalyx lawsonioides* Oliv. 20604, 18289  
**V** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Natal (southern (sandstone region)) 20604

**Roridulaceae**

Number of genera: 1  
 Number of species: 2  
 Recorded threatened species: 1 (50%)

Cape Province (South Africa).

- R** *Roridula gorgonias* Planch. 20604, 18289  
**V** 14874 South Africa (southern mountainous regions) 14874  
**R** 20604 South Africa - Cape Province 20604

**Rosaceae**

Number of genera: 100  
 Number of species: 3,000  
 Recorded threatened species: 419 (13%)

Cosmopolitan, especially temperate and subtropical Northern Hemisphere.

- R** *Acaena californica* Bitter 20850  
**I** 20850 U.S. - California 20850  
**Ex/E** *Acaena exigua* Gray 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Maui & Lana'i) 20850  
**R** *Acaena novae-zelandiae* Kirk 19106  
**R** 19106 New Zealand - Antipodes Is. (Campbell Is.) 19106  
**E** *Acaena rorida* B.H. Macmill. 19305  
**E** 19305 New Zealand - North Is. 19305  
**R** *Agrimonia incisa* Torr. & Gray 20850  
**V** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**R** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Mississippi 20850  
**I** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Texas 20850  
**R** *Alchemilla achtarovii* Pawl. 5204  
**R** 5204 Bulgaria (central) 5204  
**R** *Alchemilla amoena* (Czeczott.) Rothm. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla asteroantha* Rothm. 5204, 20171  
**R** 5204 Bulgaria (central) 5204

- V** *Alchemilla bandericensis* Pawl. 5204, 20171  
**V** 5204 Bulgaria (south-west) 5204  
**R** *Alchemilla bornmuelleri* Rothm. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla bursensis* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla buseriana* Rothm. 12840  
**R** 12840 Turkey 12840  
**I** *Alchemilla cashmiriana* Rothm.  
**I** India (West Himalaya)  
**R** *Alchemilla ciminensis* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla erzincanensis* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**V** *Alchemilla filicaulis* Buser ssp. *vestita* (Buser) M.E. Bradshaw 20883, 19002, 20171  
**I** 20850 Canada - Labrador 20850  
**I** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Nova Scotia 20850  
**I** 20850 Canada - Ontario 20850  
**I** 20850 Canada - Quebec 20850  
**I** 20883 France - St Pierre & Miquelon 20883  
**I** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** *Alchemilla haumanii* Rothm. 19704  
**V** 19704 Ethiopia 19704  
**R** *Alchemilla hirsutiflora* (Buser) Rothm. 12840  
**R** 12840 Turkey 12840  
**I** *Alchemilla indica* Gardner var. *sibthorpioides* Hook.f. 8021  
**I** 16162 Sri Lanka (Horton Plains) 8021  
**R** *Alchemilla junrukczalica* Pawl. 5204, 20171  
**R** 5204 Bulgaria (central) 5204  
**R** *Alchemilla orduensis* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla orturica* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla pirinica* Pawl. 5204, 20171  
**R** 5204 Bulgaria (south-west) 5204  
**R** *Alchemilla procerrima* Frohner 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla sciadiophylla* Bothm. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla sintensisii* Rothm. 12840  
**R** 12840 Turkey 12840  
**R** *Alchemilla tiryalensis* B. Pawl. 12840  
**R** 12840 Turkey 12840  
**I** *Amelanchier chelmea* (halácsy) Browicz 21119  
**I** 21119 Greece 21119  
**V** *Amelanchier fernaldii* Wieg. 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Nova Scotia 20850  
**I** 20850 Canada - Prince Edward Is. 20850  
**I** 20850 Canada - Quebec 20850  
**R** *Amelanchier nantucketensis* Bickn. 20850  
**E** 20850 Canada - Nova Scotia 20850  
**I** 20850 U.S. - Maine 20850  
**I** 20850 U.S. - Maryland 20850  
**R** 20850 U.S. - Massachusetts 20850  
**E** 20850 U.S. - New York 20850  
**R** *Amelanchier parviflora* Boiss. var. *dentata* Browicz 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Amelanchier*

- R 20618 Turkey 20618
- E** *Amelanchier utahensis* Koehne ssp. *covillei*  
(Standl.) Clokey 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Amygdalus balansae* 20618  
E 20618 Turkey 20618
- R** *Amygdalus carduchorum* ssp. *serrata* 20618  
R 20618 Turkey 20618
- V** *Amygdalus korschinskyi* (Hand.-Mazz.) Bornm. 20618  
V 20618 Turkey 20618
- R** *Amygdalus nairica* Feodorov & Takht.  
R former USSR 6930
- I** *Amygdalus susakensis* Vassilcz. 5942  
I 5942 Kyrgyzstan 5942
- R** *Amygdalus trichamygdalus* var. *elongata* 20618  
R 20618 Turkey 20618
- I** *Amygdalus vavilovii* M. Pop. 5942  
I 5942 Tajikistan 5942
- E** *Aphanes bachiti* (Haum. & Balle) 19704  
E 19704 Ethiopia (Gonder) 19704
- R** *Aruncus astilboides* Maxim. 10572  
R 10572 Japan 10572
- R** *Aruncus dioicus* Fern. var. *subrotundus*  
Hara 10572  
R 10572 Japan 10572
- E** *Bencomia brachystachya* Svent. 17534  
E 17534 Spain - Canary Is. 17534
- I** *Bencomia caudata* (Aiton) Webb & Berthel. 17534  
I Portugal - Madeira  
V 17534 Spain - Canary Is. 17534
- E** *Bencomia exstipulata* Svent. 17530  
E 17534 Spain - Canary Is. 17534
- E** *Bencomia sphaerocarpa* Svent. 17534  
E 17781 Spain - Canary Is. (El Hierro) 17534
- I** *Cerasus blinovskii* Totschilina 5942  
I 5942 Turkmenistan (near Ashkhabad) 5942
- R** *Cerasus erzincanica* Yildirimli 20618  
R 20618 Turkey 20618
- R** *Cerasus hippophaeoides* 20618  
R 20618 Turkey 20618
- E** *Cercocarpus mexicanus* Henrickson 20883, 10184  
I 20883 Mexico 20883  
? Mexico - Nuevo Leon 10184
- V** *Cercocarpus montanus* Raf. var. *blancheae*  
(Schneid.) F.L. Martin 20850  
V 20850 U.S. - California 20850
- V** *Cercocarpus rzedowskii* Henrickson 20883  
I 20883 Mexico 20883
- E** *Cercocarpus traskiae* Eastw. 20850  
E 20850 U.S. - California 20850
- R** *Chamaebatia foliolosa* Benth. 20850  
I 20850 U.S. - California 20850
- E** *Chamaemeles coriacea* Lindl. 17781  
E Portugal - Madeira
- V** *Cliffortia acockii* Weim. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Cliffortia aculeata* Weim. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Cliffortia acutifolia* Weim. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Cliffortia alata* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cliffortia arborea* Marloth 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cliffortia burgersii* E.G.H.Oliv. & Fellingham 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cliffortia conifera* E.G.H.Oliv. & Fellingham 20604  
R 20604 South Africa - Cape Province 20604
- E** *Cliffortia ericifolia* L.f. 20604  
E 20604 South Africa - Cape Province 20604
- I** *Cliffortia geniculata* Weim. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Cliffortia hantamensis* Diels 20604  
R 20604 South Africa - Cape Province 20604
- R** *Cliffortia nivenioides* Fellingham 20604  
R 20604 South Africa - Cape Province 20604
- I** *Cliffortia strigosa* Weim. 20604  
I 20604 South Africa - Cape Province 20604
- V** *Cotoneaster buxifolius* Wallich ex Lindley 11494  
V 11494 India - Tamil Nadu 11494
- I** *Cotoneaster cashmirensis* Klotz  
I India - Jammu & Kashmir
- R** *Cotoneaster cinnabarinus* Juz. 11552, 20171  
R 20085 Russia (E.Europe) - North 20085  
R 11552 Russian Federation (extreme north west) 11552
- V** *Cotoneaster delphinensis* Châtenier 20528  
V 20528 France (south-east) 20528
- I** *Cotoneaster karatavicus* Pojark. 5942  
I 5942 Kazakhstan 5942
- I** *Cotoneaster lucidus* Schlecht. 5942, 20628  
I 5942 Russia (Siberia) - Buryatiya 5942  
I 5942 Russia (Siberia) - Irkutsk 5942
- I** *Cotoneaster simonsii* Baker 11494, 20171  
I 11494 India - Sikkim 11494
- R** *Cotoneaster tauricus* Pojark. 20171  
R former European USSR
- E** *Cotoneaster wilsonii* Nakai  
E 15923 Korea, South (Uinung Island) 15923
- R** *Crataegus aegeica* Pojark. 20171  
R Greece
- R** *Crataegus anamesa* Sarg. 20850  
R 20850 U.S. - Texas 20850
- V** *Crataegus aronia* (L.) Bosc. var. *dentata*  
Browicz 12840  
V 20618 Turkey 20618
- R** *Crataegus aronia* (L.) Bosc. var. *minuta*  
Browicz 12840  
R 20618 Turkey 20618
- R** *Crataegus brazoria* Sarg. 20850  
R 20850 U.S. - Texas 20850
- V** *Crataegus canadensis* Sarg. 20850  
I 20850 Canada - Quebec 20850
- R** *Crataegus davisii* Browicz 12840  
R 20618 Turkey 20618
- I** *Crataegus dikmensis* Pojark 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Crataegus*

- I 20618 Turkey 20618
- V *Crataegus douglasii* Welsh var. *duchesnensis*  
Welsh 20850  
V 20850 U.S. - Utah 20850
- Ex/E *Crataegus harbisonii* Beadle 20850, 14662  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
Ex/E 20850 U.S. - Tennessee 20850
- V *Crataegus harveyana* Sarg. 20850  
I 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Missouri 20850
- R *Crataegus karadaghensis* Pojark. 20171  
R former European USSR
- V *Crataegus lacrimata* Small 20850  
I 20850 U.S. - Florida 20850
- V *Crataegus latebrosa* Sarg. 20850  
I 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Missouri 20850
- V *Crataegus lumaria* Ashe 20850, 14352  
I 20850 Canada - Ontario 20850  
I 20850 U.S. - Connecticut 20850  
I 20850 U.S. - Michigan 20850  
I 20850 U.S. - New York 20850  
I 20850 U.S. - Wisconsin 20850
- V *Crataegus membranacea* Sarg. 20850  
I 20850 U.S. - Connecticut 20850  
I 20850 U.S. - Vermont 20850
- V *Crataegus mendosa* Beadle 20850  
I 20850 U.S. - Alabama 20850
- E *Crataegus monogyna* Jacq. ssp. *maritima*  
Corillion 20528  
E 20528 France (west) 20528
- E *Crataegus nitidula* Sarg. 20850, 14662  
Ex/E 20850 Canada - Ontario 20850  
I 20850 U.S. - Michigan 20850  
I 20850 U.S. - Pennsylvania 20850  
I 20850 U.S. - Wisconsin 20850
- E *Crataegus perjuncunda* Sarg. 20850  
E 20850 Canada - Ontario 20850  
I 20850 U.S. - New York 20850
- I *Crataegus pojarkovae* Kossyich 5942, 20171  
I 5942 Ukraine - Crimea 5942
- R *Crataegus poliophylla* Sarg. 20850  
R 20850 U.S. - Texas 20850
- V *Crataegus pulcherrima* Ashe 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - Mississippi 20850
- E *Crataegus saligna* Greene 20850  
I 20850 U.S. - Colorado 20850
- R *Crataegus stenosepala* Sarg. 20850  
R 20850 U.S. - Texas 20850
- R *Crataegus sutherlandensis* Sarg. 20850  
R 20850 U.S. - Texas 20850
- R *Crataegus taurica* Pojark. 20171  
R Ukraine - Crimea 8000  
R former European USSR (Crimea) 8000
- R *Crataegus texana* Buckl. 20850  
R 20850 U.S. - Texas 20850
- V *Crataegus triflora* Chapman 20850  
V 20850 U.S. - Alabama 20850
- E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Mississippi 20850  
I 20850 U.S. - Tennessee 20850
- R *Crataegus ucrainica* Pojark. 20171  
R former European USSR
- R *Crataegus viburnifolia* Sarg. 20850  
R 20850 U.S. - Texas 20850
- V *Crataegus warneri* Sarg. 20850  
V 20850 U.S. - Texas 20850
- V *Dendriopoterium menendezii* Svent. 17534  
V 20750 Spain - Canary Is. 17534
- E *Dendriopoterium pulidoi* Svent 17534  
E 20750 Spain - Canary Is. (Gran Canaria) 17534
- R *Filipendula formosa* Nakai 15923  
R 15923 Korea, South (Mt Chiri) 15957
- V *Filipendula occidentalis* (S.Watson) T.J. Howell 20850  
V 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- R *Filipendula tsuguwoi* Ohwi 10572  
R 10572 Japan 10572
- I *Fragaria bucharica* Los.-Losinsk. 5942  
I 5942 Tajikistan 5942
- V *Geum geniculatum* Michx. 20850  
V 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850
- V *Geum peckii* Pursh 20850, 3064  
V 20850 Canada - Nova Scotia 20850  
I 20850 U.S. - Maine 20850  
V 20850 U.S. - New Hampshire 20850
- R *Geum pusillum* Petrie 19305  
R 19305 New Zealand - South Is. 19305
- E *Geum radiatum* Michx. 20850  
E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850
- E *Geum rossii* (R. Br.) Ser. var. *depressum* (Greene) C.L. Hitchc. 20850  
E 20850 U.S. - Washington 20850
- R *Geum talbotianum* W.M.Curtis 20681  
R 20681 Australia - Tasmania 20681
- E *Horkelia bolanderi* Gray 20850  
E 20850 U.S. - California 20850
- V *Horkelia congesta* Keck ssp. *congesta* 20850  
V 20850 U.S. - Oregon 20850
- E *Horkelia cuneata* (Gray) Keck ssp. *sericea* (Gray) Keck 20850  
E 20850 U.S. - California 20850
- R *Horkelia frondosa* (Greene) Rydb. 20850  
I 20850 U.S. - California 20850
- E *Horkelia hendersonii* T.J. Howell 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- V *Horkelia hispidula* Rydb. 20850  
V 20850 U.S. - California 20850
- V *Horkelia marinensis* (Elmer) Crum ex Keck 20850  
V 20850 U.S. - California 20850
- V *Horkelia parryi* Greene 20850  
V 20850 U.S. - California 20850
- R *Horkelia tenuiloba* (Torr.) Gray 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Horkelia*

- I 20850 U.S. - California 20850
- R** *Horkelia truncata* Rydb. 20850  
V 20850 U.S. - California 20850
- E** *Horkelia tularensis* (J.T. Howell) Munz 20850  
E 20850 U.S. - California 20850
- E** *Horkelia wilderae* Parish 20850  
E 20850 U.S. - California 20850
- E** *Hulthemosia guzarica* Juzepczuk  
E former USSR 6930
- V** *Ivesia aperta* (J.T. Howell) Munz 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Ivesia aperta* (J.T. Howell) Munz var. *aperta* 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Ivesia aperta* (J. T. Howell) Munz var. *canina* Ertter 20850  
E 20850 U.S. - California 20850
- V** *Ivesia argyrocoma* (Rydb.) Rydb. 20850, 17788  
V 20850 U.S. - California (San Bernardino mountains) 20850
- V** *Ivesia arizonica* (Eastw. ex J.T. Howell) Ertter 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Ivesia baileyi* S.Watson var. *beneolens* (A. Nels. & J.F. Macbr.) Ertter 20850  
E 20850 U.S. - California 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- E** *Ivesia callida* (Hall) Rydb. 20850  
E 20850 U.S. - California 20850
- E** *Ivesia cryptocaulis* (Clokey) Keck 20850, 19002  
E 20850 U.S. - Nevada 20850
- V** *Ivesia jaegeri* Munz & Johnston 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R** *Ivesia kingii* S.Watson 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E** *Ivesia kingii* S.Watson var. *eremica* (Coville) Ertter 20850  
E 20850 U.S. - Nevada 20850
- E** *Ivesia longibracteata* Ertter 20850  
E 20850 U.S. - California 20850
- R** *Ivesia lycopodioides* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Ivesia muirii* Gray 20850  
I 20850 U.S. - California 20850
- R** *Ivesia multifoliolata* (Torr.) Keck 20850  
R 20850 U.S. - Arizona 20850
- V** *Ivesia paniculata* T.W. & J.P. Nelson 20850  
V 20850 U.S. - California 20850
- E** *Ivesia patellifera* (J.T. Howell) Ertter 20850  
E 20850 U.S. - California 20850
- V** *Ivesia pickeringii* Torr. ex Gray 20850
- V 20850 U.S. - California 20850
- E** *Ivesia pityocharis* Erter 20850  
V 20850 U.S. - Nevada 20850
- V** *Ivesia purpurascens* (S.Watson) Keck 20850  
I 20850 U.S. - California 20850
- R** *Ivesia pygmaea* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Ivesia rhypara* Erter & Reveal 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850
- E** *Ivesia rhypara* Erter & Reveal var. *rhypara* 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850
- E** *Ivesia rhypara* Erter & Reveal var. *shellyi* Ertter 20850  
E 20850 U.S. - Oregon 20850
- V** *Ivesia sericoleuca* (Rydb.) Rydb. 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Ivesia shockleyi* S.Watson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Oregon 20850  
E 20850 U.S. - Utah 20850
- E** *Ivesia shockleyi* S.Watson var. *ostleri* Ertter 20850  
E 20850 U.S. - Utah 20850
- V** *Ivesia unguiculata* Gray 20850  
V 20850 U.S. - California 20850
- V** *Ivesia utahensis* S.Watson 20850  
V 20850 U.S. - Utah 20850
- V** *Ivesia webberi* Gray 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V** *Lyonothamnus floribundus* Gray 20850  
I 20850 U.S. - California 20850
- V** *Lyonothamnus floribundus* A.Gray ssp. *aspleniifolius* (Greene) Raven 20850  
V 20850 U.S. - California 20850
- E** *Lyonothamnus floribundus* A.Gray ssp. *floribundus* 20850  
E 20850 U.S. - California 20850
- R** *Malus florentina* (Zuccagni) C.K.Schneid. 20178, 20171  
R 20178 Albania 20178  
R Greece  
R Italy  
R (former) Yugoslavia  
R 20618 Turkey (Anatolia) 20618
- E** *Malus hupehensis* (Pamp.) Rehd. 20626  
E 20626 Japan (Oita; Kumamoto) 20626
- V** *Malus spontanea* (Makino) Makino 10572  
V 20626 Japan (Miyazaki; Kagoshima) 20626
- V** *Malus sylvestris* Mill. var. *microphylla* Browicz 12840  
V 12840 Turkey 12840
- R** *Malus trilobata* (Labill.) C.K.Schneid. 20171  
R Greece (north-east) 8000  
? Israel 8000  
? Lebanon 8000

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Malus*

- ? Syria 8000
- E** *Marcelletia maderensis* (Bornm.) Svent.  
E Portugal - Madeira
- R** *Marcelletia moquiniana* (Webb & Berthel.) Svent. 17534  
R 17534 Spain - Canary Is. 17534
- E** *Margyacaena skottsbergii* 19125  
E 19125 Chile - Juan Fernandez Is. 19116
- E** *Margyricarpus digynus* (Bitter) Skottsb. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- E** *Mespilus canescens* Phipps 20850  
E 20850 U.S. - Arkansas 20850
- V** *Neviusia alabamensis* Gray 20850, 14010  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
Ex 20850 U.S. - Missouri 20850  
E 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850
- E** *Neviusia cliftonii* Shevock, Ertter & Taylor 20850, 17908  
E 20850 U.S. - California (Lake Shasta) 20850
- R** *Petrophyton acuminatum* Rydb. 20850  
I 20850 U.S. - California 20850
- E** *Petrophyton cinerascens* (Piper) Rydb. 20850  
E 20850 U.S. - Washington 20850
- R** *Petrophyton hendersonii* (Canby) Rydb. 20850  
I 20850 U.S. - Washington 20850
- R** *Photinia ardisifolia* Hayata 20854  
R 20854 Taiwan 20854
- I** *Photinia lasiopetala* Hayata  
I Taiwan
- I** *Polylepis australis* Bitter 13766  
V 19572 Argentina 13766  
I 20176 Argentina - Cordoba 20176  
I 20176 Argentina - Catamarca 20176  
I 20176 Argentina - Jujuy 20176  
I 20176 Argentina - La Rioja 20176  
I 20176 Argentina - San Juan 20176  
I 20176 Argentina - San Luis 20176  
I 20176 Argentina - Tucuman 20176
- E** *Polylepis hieronymi* Pilger 13766  
E 13766 Argentina 13766  
E 13766 Bolivia 13766
- V** *Polylepis lanuginosa* Kunth 13766  
V 19572 Ecuador 13766
- E** *Polylepis multijuga* Pilger 13766  
E 20046 Peru 13766
- E** *Polylepis pepeii* B. Simpson 13766  
E 13766 Bolivia 13766  
E 20046 Peru 13766
- V** *Polylepis racemosa* Ruiz Lopez & Pavon 13766  
V 12468 Peru 13766
- V** *Polylepis subsericans* J.F. Macbr. 13766  
V 12468 Peru 13766
- R** *Polylepis tarapacana* Phil. 20883, 13766  
E Argentina 13766  
I 20883 Bolivia 20883  
V 20883 Chile (Regions I,II) 20883  
I 20883 Peru 20883
- I** *Polylepis tomentella* Wedd. 13766  
I 16336 Argentina 13766  
I 20176 Argentina - Jujuy 20176
- V 19448 Bolivia 13766  
V 19535 Chile 13766  
V 12468 Peru 13766
- R** *Potentilla aladagensis* E. Leblebici 12840  
R 12840 Turkey 12840
- V** *Potentilla albiflora* L.O. Williams 20850  
I 20850 U.S. - Arizona 20850
- R** *Potentilla ambigens* Greene 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
Ex/E 20850 U.S. - Wyoming 20850
- R** *Potentilla anadyrensis* Juzepczuk  
R former USSR 6930
- E** *Potentilla angelliae* N. Holmgren 20850  
E 20850 U.S. - Utah 20850
- R** *Potentilla anjuica* Petrovsky 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Potentilla arctoalaskensis* Jurtz. 21309  
R 21309 Russia (E.Europe) - Northwest 21309
- R** *Potentilla armeniaca* Siegf. ex Th.Wolf 12840  
R 12840 Turkey 12840
- R** *Potentilla asinaria* Maire  
R Morocco
- E** *Potentilla basaltica* Tiehml & Ertter 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- R** *Potentilla beringensis* Jurtz. 11552, 21309  
R 21309 Russia (E.Europe) - North 21309  
E 11552 Russian Federation (extreme north east) 11552
- R** *Potentilla brooksensis* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Potentilla buccoana* Clem. 12840  
R 12840 Turkey 12840
- R** *Potentilla buchneri* Kit Tan & Sorger 12840  
R 12840 Turkey 12840
- R** *Potentilla cappadocica* Boiss. 12840  
R 12840 Turkey 12840
- R** *Potentilla carniolica* A.Kern. 20171  
K 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Potentilla chrysantha* Trev. ssp. *pastorum*  
Sojak 19607  
R 19947 Romania 19947
- E** *Potentilla cottamii* N. Holmgren 20850  
E 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V** *Potentilla cristae* Ferlatte & Strother 20850  
V 20850 U.S. - California 20850
- R** *Potentilla czegitunica* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- V** *Potentilla delphinensis* Gren. & Godr. 8000, 20171  
V 20528 France (alps) 17891
- R** *Potentilla dezhevii* Jurtz. 21309  
R 21309 Russia (E.Europe) - North 21309
- R** *Potentilla discipulorum* Davis. 12840  
R 12840 Turkey 12840
- R** *Potentilla diversifolia* Lehm. var. *ranunculus*  
(Lange) Boivin 20850  
I 20850 Denmark - Greenland 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Potentilla*

- I 20850 Canada - Labrador 20850
- R *Potentilla doddsii* Davis 12840  
R 12840 Turkey 12840
- R *Potentilla doerfleri* Wettst. 20171  
R (former) Yugoslavia
- V *Potentilla effusa* Douglas ex Lehm. var. *rupincola* (Osterhout) T. Wolf 20850, 11630  
V 20850 U.S. - Colorado 20850
- R *Potentilla emilii-popii* Nyár. 5204, 20171  
R 5204 Bulgaria (North-eastern - two sites and one area) 5204  
V 19949 Romania 20631
- V *Potentilla eversmanniana* Fisch. ex Ledeb. 11552, 20171  
V 11552 Russian Federation (Ural Mts.) 11552
- E *Potentilla glandulosa* Lindl. ssp. *ewanii* Keck 20850  
E 20850 U.S. - California 20850
- R *Potentilla goulandrii* Rech.f.  
R Greece
- R *Potentilla grammopetala* Moretti 20171  
I Italy 8000  
R 18154 Switzerland 18154
- V *Potentilla grayi* S.Watson 20850  
I 20850 U.S. - California 20850
- R *Potentilla guarensis* Monts.  
R Spain
- R *Potentilla guilliermondii* Emberger & Maire  
R Morocco
- E *Potentilla hickmanii* Eastw. 20850  
E 20850 U.S. - California 20850
- R *Potentilla isaurica* (Davis) B. Pawl. 12840  
R 12840 Turkey 12840
- I *Potentilla kashmirica* Hook.f.  
I India - Jammu & Kashmir
- V *Potentilla macounii* Rydb. 20850  
I 20850 Canada - Alberta 20850  
I 20850 U.S. - Montana 20850
- V *Potentilla masculinii* Monts.  
V Spain
- R *Potentilla matsumurae* Th.Wolf var. *yuparensis* Kudo 10572  
R 10572 Japan 10572
- Ex *Potentilla multijuga* Lehm. 20850, 14662  
Ex 20850 U.S. - California 20850
- R *Potentilla murrayi* Jurtz. 21309  
R 21309 U.S. - Alaska 21309
- E *Potentilla pensylvanica* (Rydb.) Welsh & Johnston var. *paucijuga* (Rydb.) Welsh & Johnston 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- R *Potentilla pulvinaris* Fenzl 12840  
R 12840 Turkey 12840
- R *Potentilla reuteri* Boiss. 20171  
R Spain
- R *Potentilla riparia* Murata 10572  
R 10572 Japan 10572
- E *Potentilla robbinsiana* Oakes ex Rydb. 20850  
E 20850 U.S. - New Hampshire 20850
- V *Potentilla sierrae-blancae* Woot. & Rydb. 20850  
V 20850 U.S. - New Mexico 20850
- R *Potentilla subpalmata* Ledeb. 12840  
R 12840 Turkey 12840
- R *Potentilla tauricola* H. Pesmen 12840  
R 12840 Turkey 12840
- R *Potentilla tollii* Trautv.  
R former USSR 6930
- R *Potentilla tschaunensis* Juz. ex Jurtz. 21309  
R 21309 Russia (E. Europe) - North 21309
- R *Potentilla uschakovii* Jurtz. 21309  
R 21309 Russia (E. Europe) - North 21309
- R *Potentilla visianii* Pancic 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- Ex *Potentilla volgarica* Juz. 11552  
Ex 11552 Russian Federation (western) 11552
- R *Potentilla wheeleri* S.Watson 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- R *Potentilla wrangelii* Petrovsky 21309  
R 21309 Russia (E. Europe) - North 21309  
R former USSR 6930
- R *Prunus alleghaniensis* (W. Wight) Sarg. var. *davisii* (W. Wight) Sarg. 20850  
R 20850 U.S. - Michigan 20850
- R *Prunus cocomilia* Ten var. *puberula* (Schneider) Browicz 12840  
R 20618 Turkey 20618
- I *Prunus darvasica* Temb. 5942  
I 5942 Tajikistan 5942
- V *Prunus geniculata* Harper 20850, 17890  
V 20850 U.S. - Florida (Lake, Polk & Highland Co.) 20850
- I *Prunus grisen* (C. Muell.) Kalkm. var. *tomentosa* (K. & V.) Kalkm. 13833  
I 13833 Philippines (low and medium altitudes) 13833
- R *Prunus himalaica* Kitam. 7738  
R Nepal 7738
- V *Prunus incisa* Thunb. var. *bukosanensis* (Honda) Hara 20626  
V 20626 Japan (Saitama; Tokyo) 20626
- R *Prunus kurdica* Fenzl 12840  
R 20618 Turkey 20618
- R *Prunus lusitanica* L. ssp. *azorica* (Mouillef.) Franco 8000, 20171  
R Portugal - Azores 17891
- V *Prunus lyonii* (Eastw.) Sarg. 20850  
I 20850 U.S. - California 20850
- E *Prunus maritima* Walter var. *gravesii* (Small) G.J. Anderson 20850  
E 20850 U.S. - Connecticut 20850
- R *Prunus matuurai* Sas.  
R Taiwan (Taipingshan)
- V *Prunus murrayana* Palmer 20850  
V 20850 U.S. - Texas 20850
- E *Prunus pleuradenia* Griseb. 19001  
E 19001 Dominica 19001

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Prunus*

- E 19001 Guadeloupe 19001  
 E 19001 Grenada 19001  
 E 19001 Martinique (Morne Bois la Roche; summit of Montagne du Vauclin) 19001  
 E 19001 St Kitts - Nevis 19001  
 E 19001 St Vincent 19001
- V *Prunus pruninos* Schrenk 19909  
 V 19909 China - Xinjiang Uygur Zizhiqu 19909
- I *Prunus pulgarensis* (Elm.) Kalkm. 13833  
 I 13833 Philippines (Palawan) 13833
- R *Prunus ramburii* Boiss. 20171  
 R Spain (Sierra Nevada & Sierra de Gádor) 8000
- R *Prunus taiwaniana* Hayata 20511  
 R 20511 Taiwan (central) 20511
- R *Prunus takasagomontana* Sas.  
 R Taiwan (Mt Lala)
- R *Prunus transarisanensis* Hayata 20511  
 R 20511 Taiwan (Mt Alishan) 20511
- V *Prunus walkeri* (Wight) Kalkman 8021  
 V 12838 Sri Lanka 8021
- E *Purshia subintegra* (Kearney) Henrickson (pro hyb.) 20850  
 E 20850 U.S. - Arizona 20850
- R *Pyrus anatolica* Browicz 12840  
 R 20618 Turkey 20618
- I *Pyrus asiae-mediae* (Popov) Maleev 5942  
 I 5942 Kazakhstan (south) 5942
- I *Pyrus cajan* V. Zapr. 5942  
 I 5942 Tajikistan 5942
- R *Pyrus hakkarica* Browicz 12840  
 R 20618 Turkey 20618
- E *Pyrus kawakamii* Hayata 20511  
 E 20511 Taiwan (northern & central) 20511
- I *Pyrus raddeana* Woronow 5942  
 I 5942 Armenia 5942  
 I 5942 Azerbaijan 5942
- R *Pyrus salicifolia* Pallas var. *serrulata*  
 Browicz 12840  
 R 20618 Turkey 20618
- V *Pyrus serikensis* 20618  
 V 20618 Turkey 20618
- R *Pyrus syriaca* Boiss. var. *microphylla* Zoh. ex Browicz 20618  
 R 20618 Turkey 20618
- R *Pyrus yaltirikii* Browicz 12840  
 R 20618 Turkey 20618
- E *Rosa arabica* Crepin 16168  
 E 16168 Egypt (mountains of S. Sinai) 16168
- R *Rosa blanda* Ait. var. *glabra*  
 Crepin 20850  
 I 20850 Canada - New Brunswick 20850  
 I 20850 Canada - Nova Scotia 20850  
 I 20850 Canada - Ontario 20850  
 I 20850 Canada - Quebec 20850  
 V 20850 U.S. - Maine 20850  
 I 20850 U.S. - Minnesota 20850  
 I 20850 U.S. - New York 20850
- R *Rosa dumalis* Bechat. var. *anatalyensis* (Menden) O. Nilson 12840  
 R 12840 Turkey 12840
- R *Rosa dumalis* ssp. *boissieri* var. *anatalyensis* 20618  
 R 20618 Turkey 20618
- R *Rosa hirtula* Nakai 10572  
 R 10572 Japan 10572
- V *Rosa mandonii* Desegl.  
 V Portugal - Madeira
- R *Rosa minutifolia* Engelm. 20850  
 E 20850 U.S. - California 20850
- E *Rosa stellata* W.H. Lewis var. *erlansoniae* W.H. Lewis 20850  
 I 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Texas 20850
- I *Rosa tsinlingensis* Pax & Hoffm. 11815  
 I China - Shaanxi (Taibeishan; Baoji) 11815
- V *Rosa villosa* L. var. *sancti-andreae* (Deg. et Trtm.) Soó 17786  
 V 20686 Hungary 17786
- V *Rubus aculiferus* Bailey 20850  
 I 20850 U.S. - New Hampshire 20850
- E *Rubus adenocaulis* Fern. 20850  
 I 20850 Canada - Nova Scotia 20850
- E *Rubus aethiopicus* A. Grah. 19704  
 E 19704 Ethiopia (Shwea Upland, Sidamo) 19704
- Ex/E *Rubus aliceae* Bailey 20850  
 Ex/E 20850 U.S. - New Mexico 20850
- I *Rubus almorensis* Dunn  
 I India - Uttar Pradesh
- V *Rubus alter* Bailey 20850  
 I 20850 U.S. - Maine 20850  
 I 20850 U.S. - New Hampshire 20850
- V *Rubus amamianus* Hatus. & Ohwi 10572  
 V 10572 Japan 10572
- E *Rubus amnicola* Blanch. 20850  
 I 20850 Canada - Nova Scotia 20850  
 I 20850 U.S. - Maine 20850  
 I 20850 U.S. - New Hampshire 20850  
 I 20850 U.S. - New Jersey 20850
- V *Rubus bartonianus* M.E. Peck 20850  
 V 20850 U.S. - Idaho 20850  
 V 20850 U.S. - Oregon 20850
- Ex/E *Rubus beatus* Bailey 20850  
 I 20850 U.S. - New York 20850
- V *Rubus bicknellii* Bailey 20850  
 I 20850 U.S. - Massachusetts 20850
- Ex/E *Rubus blanchardianus* Bailey 20850  
 I 20850 U.S. - Vermont 20850
- R *Rubus bollei* Focke  
 R Spain - Canary Is.
- V *Rubus burnhamii* Bailey 20850  
 I 20850 U.S. - New York 20850
- V *Rubus centralis* Bailey 20850  
 E 20850 U.S. - Indiana 20850  
 I 20850 U.S. - Maryland 20850  
 I 20850 U.S. - Michigan 20850  
 I 20850 U.S. - Pennsylvania 20850
- V *Rubus clarus* Bailey 20850  
 I 20850 U.S. - Virginia 20850
- Ex/E *Rubus conabilis* Bailey 20850  
 I 20850 U.S. - Michigan 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Rubus*

- Ex/E** *Rubus conanictuensis* Bailey 20850  
**I** 20850 U.S. - Rhode Is. 20850
- V** *Rubus cubitans* Blanch. 20850  
**I** 20850 U.S. - Vermont 20850
- V** *Rubus curtipes* Bailey 20850  
**I** 20850 U.S. - Massachusetts 20850  
**I** 20850 U.S. - Virginia 20850
- Ex/E** *Rubus darlingtonii* Bailey 20850  
**I** 20850 U.S. - Michigan 20850
- E** *Rubus defectionis* Fern. 20850  
**I** 20850 U.S. - Virginia 20850
- E** *Rubus emeritus* Bailey 20850  
**I** 20850 Canada - New Brunswick 20850
- E** *Rubus erlangeri* Engl. 19704  
**E** 19704 Ethiopia (Sidamo, Bale) 19704
- V** *Rubus flavinanus* Blanch. 20850  
**I** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - Vermont 20850  
**I** 20850 U.S. - West Virginia 20850
- I** *Rubus fockei* Gandhi  
**I** India - Karnataka  
**I** India - Kerala (Attapadi Hills)  
**I** India - Tamil Nadu
- E** *Rubus fryei* H.A. & T. Davis 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Rubus furtivus* Bailey 20850  
**I** 20850 U.S. - New York 20850
- V** *Rubus genevierii* Boreau ssp. *herminii* (Samp.) P. Cout. 20076, 20686  
**V** 20076 Portugal 20076
- Ex/E** *Rubus glaucifolius* Kellogg var. *ganderi* (Bailey) Munz 20850  
**Ex/E** 20850 U.S. - California 20850
- V** *Rubus gulosus* Bailey 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 U.S. - Maine 20850
- E** *Rubus hancinianus* Bailey 20850  
**I** 20850 U.S. - Kansas 20850  
**I** 20850 U.S. - Missouri 20850
- E** *Rubus hanesii* Bailey 20850  
**I** 20850 U.S. - Michigan 20850
- V** *Rubus harmonicus* Bailey 20850  
**I** 20850 U.S. - Maine 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Rubus hispidoides* Bailey 20850  
**I** 20850 U.S. - Massachusetts 20850
- R** *Rubus hochstetterorum* Seub. 20171  
**R** Portugal - Azores
- V** *Rubus huttonii* Bailey 20850  
**I** 20850 U.S. - West Virginia 20850
- E** *Rubus hypolasius* Fern. 20850  
**I** 20850 U.S. - New Jersey 20850  
**I** 20850 U.S. - Virginia 20850
- Ex/E** *Rubus impar* Bailey 20850  
**I** 20850 U.S. - Illinois 20850  
**Ex** 20850 U.S. - Indiana 20850  
**I** 20850 U.S. - Missouri 20850
- E** *Rubus inclinis* Bailey 20850  
**I** 20850 U.S. - New York 20850
- V** *Rubus indianensis* Bailey 20850  
**I** 20850 U.S. - Indiana 20850
- I** 20850 U.S. - Kentucky 20850
- V** *Rubus inferior* Bailey 20850  
**I** 20850 U.S. - Florida 20850
- V** *Rubus iniens* Bailey 20850  
**I** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Virginia 20850
- V** *Rubus injunctus* Bailey 20850  
**I** 20850 U.S. - Pennsylvania 20850  
**I** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Rubus insulanus* Bailey 20850  
**I** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - New York 20850  
**I** 20850 U.S. - Rhode Is. 20850
- R** *Rubus intermitten* Bolle 6057  
**R** Vietnam 6057
- I** *Rubus iringanus* C.E. Gust 5926  
**I** 5926 Tanzania 5926
- E** *Rubus kelloggii* Blanch. 20850  
**I** 20850 U.S. - Missouri 20850
- R** *Rubus keniensis* Standley 20057  
**R** 20057 Kenya (Mt Kenya; Nyandarua) 20057
- V** *Rubus largus* Bailey 20850  
**I** 20850 U.S. - Texas 20850
- E** *Rubus leucodermis* Dougl. ex Torr. & Gray var. *bernardinus* (Greene) Jepson 20850  
**I** 20850 U.S. - California 20850
- Ex/E** *Rubus leucodermis* Dougl. ex Torr. & Gray var. *trinitatis* Berger 20850  
**I** 20850 U.S. - California 20850
- V** *Rubus libratus* Bailey 20850  
**I** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Maryland 20850
- V** *Rubus macraei* Gray 20850, 14209  
**V** 20850 U.S. - Hawaii (Maui & Hawai'i) 20850
- Ex/E** *Rubus macvaughii* Bailey 20850  
**I** 20850 U.S. - Texas 20850
- V** *Rubus mananensis* Bailey 20850  
**I** 20850 Canada - New Brunswick 20850
- Ex/E** *Rubus maniseesensis* Bailey 20850  
**I** 20850 U.S. - Rhode Is. 20850
- Ex/E** *Rubus multilicis* Bailey 20850  
**I** 20850 U.S. - Maine 20850
- V** *Rubus nakaii* Tuy. 8037  
**V** 19134 Japan - Ogasawara-shoto 8037
- E** *Rubus nefrens* Bailey 20850  
**I** 20850 U.S. - Kentucky 20850  
**I** 20850 U.S. - Minnesota 20850  
**I** 20850 U.S. - Missouri 20850  
**I** 20850 U.S. - New York 20850  
**I** 20850 U.S. - Ohio 20850  
**I** 20850 U.S. - Oklahoma 20850  
**I** 20850 U.S. - Tennessee 20850  
**I** 20850 U.S. - Virginia 20850
- E** *Rubus nigerrimus* (Greene) Rydb. 20850  
**I** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- V** *Rubus nishimuranus* Koidz. 8037  
**V** 19134 Japan - Ogasawara-shoto 8037
- E** *Rubus notatus* Bailey var. *ortus* Bailey 20850  
**E** 20850 U.S. - Connecticut 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Rubus*

- V** *Rubus novanglicus* Bailey 20850  
**I** 20850 U.S. - Connecticut 20850
- E** *Rubus novocaesarius* Bailey 20850  
**I** 20850 U.S. - New Jersey 20850
- R** *Rubus ochraceus* Card. 6057  
**R** Vietnam 6057
- E** *Rubus onustus* Bailey 20850  
**I** 20850 U.S. - New York 20850
- V** *Rubus originalis* Bailey 20850  
**I** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - New Jersey 20850  
**I** 20850 U.S. - West Virginia 20850
- R** *Rubus ovatus* Thuan 6057  
**R** Vietnam 6057
- R** *Rubus palmatifolius* Thuan 6057  
**R** Vietnam 6057
- E** *Rubus paludivagus* Fern. 20850  
**I** 20850 U.S. - Massachusetts 20850
- E** *Rubus panamanus* Bailey 20883, 9004  
**I** 20883 Panama 20883
- V** *Rubus parlinii* Bailey 20850  
**I** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - Maine 20850  
**I** 20850 U.S. - Vermont 20850
- Ex/E** *Rubus particularis* Bailey 20850  
**I** 20850 U.S. - West Virginia 20850
- V** *Rubus pascuus* Bailey 20850  
**I** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Oklahoma 20850  
**I** 20850 U.S. - South Carolina 20850  
**I** 20850 U.S. - Texas 20850  
**I** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- Ex/E** *Rubus permagaeus* Fern. 20850  
**I** 20850 U.S. - Virginia 20850
- Ex/E** *Rubus plexus* Fern. 20850  
**I** 20850 U.S. - Virginia 20850
- I** *Rubus porotoensis* R. Graham 5926  
**I** 5926 Tanzania 5926
- V** *Rubus porteri* Bailey 20850  
**I** 20850 U.S. - Pennsylvania 20850
- Ex/E** *Rubus positivus* Bailey 20850  
**I** 20850 U.S. - Connecticut 20850
- E** *Rubus praecipuus* Bailey 20883, 10747  
**I** 20883 Panama 20883
- E** *Rubus prosper* Bailey 20850  
**I** 20850 U.S. - Rhode Is. 20850
- V** *Rubus pubescens* Raf. var. *sciuis*  
 Bailey 20850  
**I** 20850 Canada - Labrador 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Nova Scotia 20850  
**I** 20850 Canada - Prince Edward Is. 20850  
**I** 20850 Canada - Quebec 20850  
**I** 20883 France - St Pierre & Miquelon 20883
- V** *Rubus quebecensis* Bailey 20850  
**I** 20850 Canada - Quebec 20850
- V** *Rubus racemiger* Bailey 20850  
**I** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - Pennsylvania 20850  
**I** 20850 U.S. - West Virginia 20850
- E** *Rubus saltuensis* Bailey 20850  
**I** 20850 U.S. - Connecticut 20850
- V** *Rubus scambens* Bailey 20850  
**I** 20850 U.S. - District of Columbia 20850  
**I** 20850 U.S. - Maryland 20850  
**I** 20850 U.S. - Virginia 20850
- Ex/E** *Rubus sceleratus* Brainerd 20850  
**I** 20850 U.S. - New Hampshire 20850
- V** *Rubus seawardianus* Fern. 20850  
**I** 20850 U.S. - New Jersey 20850  
**I** 20850 U.S. - Virginia 20850
- V** *Rubus suppar* Bailey 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Nova Scotia 20850
- E** *Rubus tantus* Bailey 20883, 9006  
**I** 20883 Panama 20883
- V** *Rubus tardatus* Blanch. 20850  
**I** 20850 Canada - Nova Scotia 20850  
**I** 20850 Canada - Ontario 20850  
**I** 20850 Canada - Prince Edward Is. 20850  
**I** 20850 Canada - Quebec 20850  
**I** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Maine 20850  
**I** 20850 U.S. - Michigan 20850  
**I** 20850 U.S. - Pennsylvania 20850  
**I** 20850 U.S. - Vermont 20850
- V** *Rubus terraltanus* Bailey 20850  
**I** 20850 U.S. - West Virginia 20850
- R** *Rubus tonkinensis* Bolle 6057  
**R** Vietnam 6057
- I** *Rubus transvaaliensis* C.E. Gust var. *kyimbilensis*  
 C.E. Gust 5926  
**I** 5926 Tanzania 5926
- R** *Rubus tuyamae* Hatus. 8622  
**R** 19134 Japan - Kazan Retto 8622
- Ex/E** *Rubus tygartensis* H.A. & T. Davis 20850  
**I** 20850 U.S. - West Virginia 20850
- Ex/E** *Rubus ucetanus* Bailey 20850  
**I** 20850 U.S. - Florida 20850
- V** *Rubus vagus* Bailey 20850  
**I** 20850 U.S. - Michigan 20850  
**I** 20850 U.S. - Ohio 20850
- E** *Rubus variispinus* Bailey 20850  
**I** 20850 U.S. - Michigan 20850
- V** *Rubus velox* Bailey 20850  
**I** 20850 U.S. - Texas 20850
- V** *Rubus vigoratus* Bailey 20850  
**I** 20850 Canada - Nova Scotia 20850  
**I** 20850 U.S. - Massachusetts 20850
- V** *Rubus virilis* Bailey 20850  
**I** 20850 U.S. - Missouri 20850
- Ex/E** *Rubus vitifolius* Cham. & Schlecht. var. *eastwoodianus* (Rydb.) Munz 20850  
**I** 20850 U.S. - California 20850
- Ex/E** *Rubus vitifolius* Cham. & Schlecht. var. *titanus*  
 (Bailey) Bailey 20850  
**I** 20850 U.S. - California 20850
- V** *Rubus weatherbyi* Bailey 20850  
**I** 20850 Canada - New Brunswick 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rosaceae: *Rubus*

- I 20850 Canada - Nova Scotia 20850
- V *Rubus whartoniae* Bailey 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Tennessee 20850
- I *Rubus wightii* Gamble  
I India - Tamil Nadu (Sivagiri Hills, Tirunelveli)
- R *Sanguisorba albanica* András. & Jáv. 20178, 20171  
R 20178 Albania 20178
- R *Sanguisorba cretica* Hayek 20171  
R 20731 Greece - Crete 20731
- R *Sanguisorba dodecandra* Moretti 18264, 20171  
R 18264 Italy (Lombardy) 18264
- R *Sanguisorba hakusanensis* Makino var. *japonensis*  
Ohwi 10572  
R 10572 Japan 10572
- I *Sanguisorba indicum* (Gardner) Tirv. 8021  
I 16162 Sri Lanka 8021
- I *Sanguisorba magnifica* I. Schischkin & Komarov 5942  
I 5942 Russia (Far East) - Primorye (south) 5942
- R *Sanguisorba obtusa* Maxim. 10572  
R 10572 Japan 10572
- E *Sibbaldia omeiensis* Yu & Li 17617  
E 17617 China - Sichuan (Emishan) 11139
- Ex/E *Sorbaria olgae* I. Zinserl. 5942  
Ex/E 5942 Uzbekistan 5942
- R *Sorbaria rhoifolia* Kom. 11552  
R 11552 Russian Federation (extreme south east) 11552
- V *Sorbus amabilis* Cheng ex Yu 17617  
V 17617 China - Anhui (Huangshan) 11139  
V 17617 China - Fujian 11139  
V 17617 China - Zhejiang 11139
- R *Sorbus arranensis* Hedl. 20171  
R 20587 United Kingdom 20587
- V *Sorbus austriaca* (Beck) Hedl. ssp. *hazslinszkyana*  
Soó 17786, 20171  
V 20686 Hungary 17786
- I *Sorbus bohemica* Kovanda 2050, 20171  
I 2050 Czech Republic 2050
- R *Sorbus borbásii* Jáv. 17823, 20171  
R 19949 Romania 20631
- R *Sorbus dacica* Borbás 17823, 20171  
R 19949 Romania 17823
- R *Sorbus lancifolia* Hedl. 17832, 20171  
R 17832 Norway 17832
- E *Sorbus maderensis* Dode 17891  
E Portugal - Madeira 17891
- R *Sorbus neglecta* Hedl. 17832, 20171  
R 17832 Norway 17832
- I *Sorbus sudetica* (Tausch) Fritsch 8000, 20171  
E 2050 Czech Republic (Karkonosze Mts.) 2050  
? Germany 8000  
I 7897 Poland 7897
- R *Sorbus teodorii* Liljef. 20171  
R 20673 Finland 20673  
R 20083 Sweden 20083
- I *Spiraea diversifolia* Dunn  
I India - Uttar Pradesh
- R *Spiraea faurieana* Schneider 10572

- R 10572 Japan 10572
- R *Spiraea miyabei* Koidz. 10572  
R 10572 Japan 10572
- R *Spiraea tarokoensis* Hayata 20854  
R 20854 Taiwan 20854
- V *Spiraea virginiana* Britt. 20850  
I 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - Kentucky 20850  
E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Ohio 20850  
Ex 20850 U.S. - Pennsylvania 20850  
E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia 20850
- I *Spiraeanthus schrenkianus* (Fischer & C. Meyer)  
Maxim. 5942  
I 5942 Kazakhstan 5942  
I 5942 Uzbekistan 5942
- E *Stephanandra incisa* var. *quadrifissa* T.  
Lee 15923  
E 15923 Korea, South 15923
- R *Stephanandra tanakae* Franchet & Sav. 10572  
R 10572 Japan 10572
- R *Taihangia rupestris* Yu & Li var. *ciliata* Yu & Li 11139  
R China - Hebei (Wuan) 11139
- R *Taihangia rupestris* Yu & Li var. *rupestris* 17617  
R 17617 China - Henan 11139
- V *Vauquelinia californica* (Standl.) Hess & Henrickson ssp. *pauciflora* (Standl.) Hess & Henrickson 20883, 19002  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850  
I 20883 Mexico 20883
- R *Waldsteinia idahoensis* Piper 20850  
R 20850 U.S. - Idaho 20850  
E 20850 U.S. - Montana 20850
- V *Waldsteinia lobata* (Baldw.) Torr. & Gray 20850  
V 20850 U.S. - Georgia 20850  
Ex/E 20850 U.S. - North Carolina 20850  
V 20850 U.S. - South Carolina 20850

Rubiaceae

Number of genera: 450  
Number of species: 6,500  
Recorded threatened species: 1120 (17%)

Mainly tropics and subtropics.

- E *Acranthera grandiflora* Beddome 11494  
E 11494 India - Tamil Nadu (Tirunelveli) 11494
- V *Acranthera tomentosa* R. Br. ex Hook. f. 13883  
V 13883 India - Assam 13883  
V 13883 India - Meghalaya 13883  
V 13883 India - Nagaland 13883
- V *Acrosynanthus jamaicensis* Howard & Proctor 20883, 13336  
V 13336 Jamaica 20883
- I *Agathisanthemum chlorophyllum* (Hochst.) Bremek var. *chlorophyllum* 20604  
I 20604 South Africa - Natal 20604
- I *Agathisanthemum chlorophyllum* (Hochst.) Bremek var. *pubescens* Bremek. 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Agathisanthemum*

- I 20604 South Africa - Natal 20604
- R *Alberta magna* E.Mey. 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Alleizettella rubra* Pitard 6057  
R 20985 Vietnam 6057
- R *Alseis blackiana* Hemsl. 20883  
V 20883 Panama 20883  
I 20883 Colombia 20883
- I *Alseis dariensis* Dwyer 20883, 9006  
I 16317 Panama 20883
- V *Alseis peruviana* Standley 17462  
V 19962 Peru 18200
- V *Amaioua magnicarpa* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Amaioua pedicellata* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Amaracarpus saxicola* Ridley  
R Malaysia - Peninsular Malaysia (Kelantan, Pahang)
- E *Amphidasya spathulata* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Anisomeris brachypoda* (J.D. Smith) Standley 9004  
R 19802 Guatemala 9004
- V *Anthospermum cameroonense* Hutch. & Dalziel  
V Cameroon (Cameroon mt)
- V *Anthospermum streyi* Puff 20604  
V 20604 South Africa - Natal 20604
- E *Antirhea aromatica* Castillo-Campos & Lorence 20883, 12069  
I 20883 Mexico 20883  
? Mexico - Veracruz 12069
- R *Antirhea bifurcata* (Desr.) Hook.f. 10082  
R 20771 Mauritius (lowland forest) 5852  
E 5852 Mauritius - Rodrigues 5852
- R *Antirhea jamaicensis* Urb. 20883  
R 20883 Jamaica 20883
- R *Antirhea nipensis* Borh. & Muniz 5607  
R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V *Antirhea obtusifolia* Urban 20883  
I 20883 Puerto Rico 20883
- V *Antirhea orbicularis* Alain 5607  
V 19105 Cuba (Holguin) 5607
- R *Antirhea pedicellaris* Borh. & Bisse 5607  
R 19105 Cuba (Holguin) 5607
- E *Antirhea portoricensis* (Britt. & Wilson) Standl. 20883  
I 20883 Puerto Rico 20883
- E *Antirhea sintenisii* Urban 20883  
I 20883 Puerto Rico 20883
- E *Antirhea tomentosa* (Sw.) Fawcett 20883, 13336  
E 13336 Jamaica (Trelawny) 20883
- V *Antirhea trichantha* (Griseb.) Hemsl. 20883, 9006  
V 20883 Panama 20883
- I *Antirhoea livida* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- R *Appunia seibertii* Standl. 20883  
V 20883 Panama 20883
- R *Argostemma bariensis* Pierre ex Pitard 6057  
R Vietnam 6057
- I *Argostemma condensatum* Craib 19120  
I 19120 Thailand 19120
- R *Argostemma inaequilaterum* Bennett  
R Malaysia - Peninsular Malaysia
- I *Argostemma khasianum* Clarke 14782  
I 14782 India - Meghalaya 14782
- E *Argostemma lobulatum* Craib 19120  
E 19120 Thailand 19120
- E *Argostemma saxicolum* Geddes 19120  
E 19120 Thailand 19120
- R *Asperula abbreviata* (Halácsy) Rech.f. 20171  
R Greece
- R *Asperula antalyensis* Ehrend. 12840  
R 12840 Turkey 12840
- V *Asperula asthenes* Airy Shaw & Turrill 20681  
V 20681 Australia - New South Wales 20681
- R *Asperula baenitzii* Helder. ex Boiss. 20171  
R Greece
- R *Asperula baldaccii* (Halácsy) Ehrend. 20171  
R (former) Yugoslavia
- R *Asperula beckiana* Degen 20171  
R (former) Yugoslavia
- R *Asperula calabra* (Fiori) Ehrend. & Krendl 20171  
R Italy
- R *Asperula capitellata* Houuskn. ex Bornm. & Bornm. 12840  
R 12840 Turkey 12840
- R *Asperula charophyton* Airy Shaw & Turrill 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Asperula cilicica* Hausskn. & Ehrend. 12840  
R 12840 Turkey 12840
- I *Asperula coa* Rech.f.  
I Greece
- V *Asperula crassula* Greuter & Zaffan 19121  
V 20730 Greece - Crete 19121
- R *Asperula gargarica* Huter, Porta & Rigo ex Ehrend. & Krendl 20171  
R Italy
- R *Asperula gussonii* Boiss. 20171  
R 20738 Italy - Sicily (Rocca Busambia) 20738
- R *Asperula hercegovina* Degen 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Asperula hexaphylla* All. 20171  
R France  
R Italy
- R *Asperula lasiantha* Nakai 15957  
R 15923 Korea, South (Mt Chiri) 15957
- R *Asperula lilaciflora* Boiss. ssp. *lilaciflora* 12840  
R 12840 Turkey 12840
- R *Asperula lilaciflora* Boiss. ssp. *mutensis* Schonb.-Tem. 12840  
R 12840 Turkey 12840
- R *Asperula litardierei* Humbert  
R Morocco
- V *Asperula littoralis* Sibth. & Sm. 12840, 20171  
V 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Asperula*

- R** *Asperula lycia* Stapf 12840  
R 12840 Turkey 12840
- R** *Asperula muscosa* Boiss. & Heldr. 20171  
R Greece
- R** *Asperula neglecta* Moris, non Guss. 20171  
R Italy
- R** *Asperula nitida* Sm. ssp. *hirtella* (Boiss.) Ehrend. 12840  
R 12840 Turkey 12840
- R** *Asperula nitida* Sm. ssp. *subcapitellata* Ehrend. 12840  
R 12840 Turkey 12840
- R** *Asperula oetaea* (Boiss.) Heldr. ex Halácsy 20171  
R Greece
- I** *Asperula ophiolithica* Ehrend. 20171  
I Greece
- R** *Asperula pauif* Font Quer 8000, 20171  
V 20692 Spain (north-east of Alicante) 20692  
R Spain - Balearic Is.
- R** *Asperula pseudochlorantha* Ehrend. 12840  
R 12840 Turkey 12840
- V** *Asperula purpurea* ssp. *spadicum* Boyce 19121  
V 19121 Greece - Crete 19121
- V** *Asperula rupestris* (Vis.) Rchb., non Tineo 18264, 20171  
V 18264 Italy - Sicily (northwestern & southwestern parts) 20738
- R** *Asperula saxicola* Ehrend. 20171  
R Greece
- R** *Asperula sintenisii* Acherson ex Bornm. 12840  
R 12840 Turkey 12840
- R** *Asperula staliana* Vis. 20171  
R (former) Yugoslavia
- R** *Asperula stricta* Boiss. ssp. *elmaliensis* Schonb.-Tem. 12840  
R 12840 Turkey 12840
- R** *Asperula stricta* Boiss. ssp. *grandiflora* Schonb.-Tem. 12840  
R 12840 Turkey 12840
- R** *Asperula suberosa* Sibth. & Sm. 5204, 20171  
R 5204 Bulgaria (south-west) 5204  
R Greece 8000
- I** *Asperula suffruticosa* Boiss. & Heldr. 20171  
I Greece
- R** *Asperula syrticola* (Miq.) Toelken 20681  
Ex/E 20681 Australia - New South Wales 20681  
R 20681 Australia - South Australia 20681
- R** *Asperula taygetea* Boiss. & Heldr. 20171  
R Greece
- R** *Asperula tephrocarpa* Czern. ex Popov & Chrshan. 20171  
R former European USSR
- R** *Asperula tournefortii* Sieber ex Spreng. 20171  
R 20731 Greece - East Aegean Is 20731
- R** *Asperula virgata* Hub.-Mor. ex Ehre. & Scho.-Tem. 12840  
R 12840 Turkey 12840
- R** *Asperula wettsteinii* Adamovic 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Asperula woronowii* Krecz. 12840  
R 12840 Turkey 12840
- I** *Badusa palawanensis* Ridsd. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Bathysa veraguensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- Ex** *Bertiera bistipulata* Bojer ex Wernh. 10082  
Ex 20771 Mauritius 10082
- E** *Bikkia kaalaensis* Halle & Jeremie 20893  
E 20893 New Caledonia 20893
- E** *Bikkia lenormandii* Halle & Jeremie 20893  
E 20893 New Caledonia 20893
- R** *Bikkia pachyphylla* Guillaumin 20893  
R 20893 New Caledonia 20893
- R** *Bobea myrtoides* (F.Muell.) Valeton 20681  
R 20681 Australia - Queensland 20681
- V** *Bobea sandwicensis* (Gray) Hbd. 20850, 14209  
V 20850 U.S. - Hawaii 20850
- V** *Bobea timonioides* (Hook. f.) Hbd. 20850, 14209  
V 20850 U.S. - Hawaii 20850
- V** *Borjoa atlantica* Dwyer 20883, 9006  
V 16317 Panama 20883
- I** *Borreria felis-insulae* Correll  
I 4650 Bahamas 4650
- I** *Borreria inaguensis* Britton  
I 4650 Bahamas 4650
- I** *Borreria linearifolia* Hook.f. 11117  
I Ecuador - Galapagos 11117
- R** *Borreria perpusilla* Hook.f. 11117  
R Ecuador - Galapagos 11117
- V** *Borreria pumilio* Standl. 20883, 9006  
V 16317 Panama 20883
- I** *Borreria rotundifolia* Andersson 11117  
I Ecuador - Galapagos (Santa Cruz) 11117
- R** *Borreria suaveolens* G. Meyer 20883  
V 20883 Panama 20883
- I** *Borreria suberecta* Hook.f. 11117  
I Ecuador - Galapagos 11117
- R** *Bouvardia langlassei* Standley 9989  
R 9989 Mexico 9989
- R** *Bouvardia rosea* Schltdl. 10063  
R 19850 Mexico 10063
- R** *Bouvardia xestosperma* (Robinson & Greenman) Terrell & S.D. Koch 21287  
R 21287 Mexico 21287
- R** *Bouvardia xylosteoides* Hooker & Arn. 10063  
R 16360 Mexico 10063
- V** *Byrsophyllum ellipticum* (Thwaites) Beddome 10252  
V 12838 Sri Lanka 10252
- I** *Byrsophyllum tetrandrum* (Beddome) Hook.f. 6987  
I India - Kerala 6987  
I India - Tamil Nadu 6987
- R** *Canthium aciculatum* Ridley  
R Malaysia - Peninsular Malaysia (Perak; Kedah; Kelantan)
- V** *Canthium carinatum* Summerh. 14296  
V 19182 Seychelles 14296
- R** *Canthium cochinchinensis* Pierre ex Pitard 6057  
R Vietnam 6057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Canthium*

- V *Canthium costatum* C.White 20681  
V 20681 Australia - Queensland 20681
- R *Canthium dicoccum* Merr. 10276  
R 12838 Sri Lanka 10276
- V *Canthium fadenii* Bridson 20057  
V 20057 Kenya (Thika) 20057
- V *Canthium glaucum* Hiern ssp. *frangula* 20057  
V 20057 Kenya 20057
- V *Canthium glaucum* Hiern ssp. *glaucum* 20057  
V 20057 Kenya 20057  
V 20057 Somalia 17435
- R *Canthium keniense* Bullock 20057  
R 20057 Kenya 20057
- V *Canthium kilifiensis* Bridson ined. 20057  
V 20057 Kenya 20057
- I *Canthium macrocarpum* Thwaites 10252  
I 16162 Sri Lanka 10252
- I *Canthium odoratum* (Forster f.) Seemann var. *tinianense* (Kaneh.) Fosb. 20818  
I 18338 North Mariana Is. 18338  
I 18338 U.S. - Guam 18338
- I *Canthium robynianum* Bullock 20057  
I 20057 Kenya 20057  
I 20057 Tanzania 17435
- V *Canthium rondoense* Bridson 20885  
V 20885 Tanzania (Rondo Plateau) 20885
- V *Canthium sechellense* Summerh. 14296  
V 19182 Seychelles 14296
- E *Captaincockia margaretae* Hallé 20802  
E 20893 New Caledonia 14010
- R *Carpacoce gigantea* Puff 20604  
R 20604 South Africa - Cape Province 20604
- E *Casasia acunae* Borh. & Fernandez 5607  
E 19105 Cuba (Holguin) 5607
- R *Casasia longipes* Urb. 20883  
R 20883 Jamaica 20883
- E *Catesbaea gamboana* Urban 5607  
E 19105 Cuba (Las Tunas, Granma) 5607
- E *Catesbaea macracantha* C. Wright 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- V *Catesbaea parviflora* Sw. 20883, 19002  
E 20850 U.S. - Florida 20850  
V 20883 Jamaica 20883  
I 20883 Puerto Rico 20883
- I *Cephaelis abouabouensis* Schnell 7926  
I Côte d'Ivoire 7926
- I *Cephaelis bailliehachei* Ake Assi  
I Côte d'Ivoire
- V *Cephaelis camponutans* Dwyer & Hayden 20883, 9006, 21221  
I 20883 Panama 20883
- V *Cephaelis correae* Dwyer & Hayden 20883, 9006  
V 16317 Panama 20883
- V *Cephaelis croatii* Dwyer 20883, 9006  
V 16317 Panama 20883
- I *Cephaelis dichroa* (Standl.) Standl. 20883, 9006  
I 16317 Panama 20883
- V *Cephaelis dimorphandrioides* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Cephaelis gaugeri* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Cephaelis glomerulata* J.D. Sm. 20883  
R 20883 Panama 20883
- V *Cephaelis insueta* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Cephaelis kennedyi* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Cephaelis nana* (Standl.) Standl. 20883  
E 20883 Panama 20883
- E *Cephaelis panamensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Cephaelis schnellii* Ake Assi 7926  
I Côte d'Ivoire 7926
- E *Cephaelis vultusmimi* Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Chamaepentas greenwayi* Bremek. var. *greenwayi* 7959  
I 5926 Tanzania (Pare Distr.) 7959
- E *Chassalia boryana* DC. 10082  
E 20771 Mauritius 10082
- E *Chassalia bosseri* Verdc. 10082  
E 14220 Réunion 10082
- E *Chassalia capitata* DC. 10082  
E 20771 Mauritius 10082
- V *Chassalia coriacea* Verdc. var. *coriacea* 10082  
V 20771 Mauritius 10082
- E *Chassalia coriacea* Verdc. var. *johnstonii* Verdc. 10082  
E 20771 Mauritius 10082
- R *Chassalia discolor* Schumann ssp. *taitensis* Verdc. 7959  
R 20057 Kenya (Teita Hills) 7959
- E *Chassalia grandifolia* DC. 10082  
E 20771 Mauritius 10082
- E *Chassalia lanceolata* (Poiret) A. Chev. ssp. *lanceolata* 10082  
E 20771 Mauritius 10082
- E *Chassalia lanceolata* (Poiret) A. Chev. ssp. *latifolia* Verdc. 10082  
E 20771 Mauritius 10082
- V *Chassalia petrinensis* Verdc. 10082  
V 20771 Mauritius 10082
- I *Chazaliella abrupta* (Hiern) Petit & Verdc. var. *parvifolia* Verdc. 7959  
I Kenya 7959
- R *Chimarrhis cymosa* ssp. *jamaicensis* Urb. 20883  
R 20883 Jamaica 20883
- I *Chimarrhis microcarpa* Standley 5932  
I 5932 Trinidad & Tobago (Trinidad) 5932
- R *Chiococca bermudiana* S. Brown  
R Bermuda
- E *Chiococca jefensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Chiococca steyermarkii* Standley 9004  
R 19802 Guatemala 9004
- I *Chiococca stricta* Correll



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Chiococca*

- I 4650 Bahamas 4650
- E** *Chione buxifolia* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- E** *Chione campanensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- V** *Chione darienensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- I** *Chione panamensis* Steyerf. 20883, 9006  
I 16317 Panama 20883
- E** *Chomelia atlantica* Dwyer 20883, 9006  
I 20883 Panama 20883
- I** *Chomelia coclensis* Dwyer 20883, 9006  
I 16317 Panama 20883
- E** *Chomelia grandicarpa* Dwyer 20883, 9006  
I 20883 Panama 20883
- E** *Chomelia leucophylla* Dwyer 20883, 9006  
I 20883 Panama 20883
- V** *Chomelia peninsularis* Dwyer 20883, 9006  
V 16317 Panama 20883
- E** *Chomelia psilocarpa* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- V** *Cinchona carabayensis* Wedd. 20883  
V 20883 Peru 20883
- V** *Cinchona delessertiana* Standley 20883  
V 20883 Peru 20883
- R** *Cinchona glandulifera* Ruiz et. Pav. 20883  
R 20883 Peru 20883
- R** *Cinchona humboldtiana* Lamb. 20883  
V 20883 Peru 20883
- V** *Cinchona nitida* Ruiz et Pav. 20883  
V 20883 Peru 20883
- V** *Cinchona rufinervis* Wedd. 20883  
I 20883 Bolivia 20883  
E 20883 Peru 20883
- R** *Clarkella nana* (Edgw.) Hook.f. 14782  
R 14782 India - Uttar Pradesh (western Himalayas) 14782
- I** *Clarkella nana* (Edgw.) Hook.f. var. *siamensis* (Craib) Fukuoka & Kurosaki 19120  
I 19120 Thailand 19120
- V** *Coccocypselum guianense* Proctor var. *glabratum* Proctor 20883, 13336  
V 13336 Jamaica 20883
- R** *Coccocypselum pseudotontanea* Griseb. 20883, 13336  
R 13336 Jamaica (St. Andrew, Portland) 20883
- I** *Coffea costatifructa* Bridson 21072  
I 21072 Tanzania (Mafia Is. & Selous Game Reserve) 21072
- I** *Coffea crassifolia* Gamble  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu
- V** *Coffea fadenii* Bridson 20057  
V 20057 Kenya (Mbololo forest, Taita hills) 20057
- Ex** *Coffea lemblinii* (A. Chev.) Keay 7926  
Ex 20887 Côte d'Ivoire 7926
- R** *Coffea macrocarpa* A. Rich. 10082  
R 20771 Mauritius 10082
- E** *Coffea myrtifolia* (A. Rich. ex DC.) Leroy 10082  
E 20771 Mauritius 10082
- I** *Coffea pocsii* Bridson 21072  
I 21072 Tanzania (Kitulanghalo Forest Reserve) 21072
- V** *Coffea rhamniphylla* (Chiov.) Bridson 20057  
V 20057 Kenya 20057
- V** *Coffea togoensis* A. Chev. 20274  
V 20858 Ghana 20274  
V 20858 Togo 7926
- I** *Coleactina papalis* Halle  
I Gabon (Moughimba)
- R** *Commitheca letestuana* Halle  
R Gabon (Haute Ngounye)
- V** *Condaminea petiolata* Dwyer 20883, 9006  
V 16317 Panama 20883
- R** *Coprosma bauerii* Endl. 11649  
R 19108 Australia - Norfolk Is. (Norfolk & Philip Islands.) 11649
- I** *Coprosma cookei* Fosberg 20845  
I 20845 French Polynesia - Tubuai Is. (Rapa) 20845
- I** *Coprosma esulcata* (F. Brown) Fosberg 20845  
I 20845 French Polynesia - Marquesas Is 20845
- R** *Coprosma intertexta* Simpson  
R New Zealand - South Is.
- R** *Coprosma lanceolaris* F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Coprosma niphophila* Orchard 20681  
R 20681 Australia - New South Wales 20681
- R** *Coprosma obconica* Kirk var. *obconica* 20625  
R 19305 New Zealand - North Is. (Taihape) 20625  
R 19305 New Zealand - South Is. (Nelson; Marlborough) 20625
- R** *Coprosma oliveri* Fosberg 20883, 19116  
V 19125 Chile - Juan Fernandez Is. 19116  
R 20883 Chile 20883
- R** *Coprosma pilosa* Endl. 19108  
R 19108 Australia - Norfolk Is. 14288
- R** *Coprosma prisca* W. Oliver  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Coprosma putida* C. Moore & F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- V** *Coprosma rapensis* F. Brown var. *benefica* (Oliver) Fosb. 8617  
V 19185 Pitcairn (Pitcairn Island) 8617
- I** *Coprosma rapensis* F. Brown var. *mangarevica* Fosberg 20845  
I 20845 French Polynesia - Tuamotu Is. 20845
- V** *Coprosma setosa* J. Moore 20845  
V 20845 French Polynesia - Society Is. (Raiatea) 20845
- I** *Coprosma taitensis* A. Gray var. *glabrata* (J. Moore) Fosberg 20845  
I 20845 French Polynesia - Society Is. (Raiatea) 20845
- I** *Coprosma taitensis* A. Gray var. *oliveri* Fosberg 20845  
I 20845 French Polynesia - Society Is. (Moorea, Tahiti) 20845
- I** *Coprosma taitensis* A. Gray var. *raiateensis* (J. Moore) Fosberg 20845

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Coprosma*

- I 20845 French Polynesia 20845
- E *Coprosma velutina* Fosberg 20845  
E 20845 French Polynesia 20845
- E *Coprosma violacea* 20625  
E 20625 New Zealand - North Is. 20625  
E 20625 New Zealand - South Is. 20625
- V *Coprosma waima* Druce 19305  
V 19305 New Zealand - North Is. 19305
- R *Coussarea austin-smithii* Standley 9037  
R 19803 Costa Rica 9037
- V *Coussarea cerroazulensis* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- R *Coussarea curvigemmia* Dwyer 20883  
V 20883 Panama 20883
- E *Coussarea durifolia* Dwyer 20883, 9006  
R 12468 Panama 20883
- V *Coussarea enneaantha* Standl. 20883, 9006  
I 20883 Panama 20883
- E *Coussarea jefensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Coussarea loftonii* (Dwyer & Hayden) Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Coussarea mediocris* Standley & Steyerf. 9004  
V 19802 Guatemala 9004
- V *Coussarea morii* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Coussarea neei* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Coussarea veraguensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Coussarea villosula* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Coutaportia guatemalensis* (Standley) Lorence 20883  
V 20883 Guatemala 20883  
R 20883 Mexico 20883
- I *Craterispermum longipedunculatum* Verdc. 5926  
I 5926 Tanzania 5926
- R *Craterispermum microdon* Baker 14296  
R 19182 Seychelles (granitic) 14296
- R *Crucianella sorgerae* Ehrend. 12840  
R 12840 Turkey 12840
- R *Cruciata mixta* Ehrend. ex Schonb.-Tem. 12840  
R 12840 Turkey 12840
- R *Crusea coronata* Robinson & Greenman 10064  
R 9989 Mexico 10064
- R *Crusea hispida* (Miller) Robinson var. *grandiflora* (P.G. Wilson) W. Anderson 10064  
R 9989 Mexico 10064
- R *Crusea lucida* Benth. 10064  
R 9989 Mexico 10064
- I *Cuviera latior* Wernham var. *evorombila* Halle  
I Gabon
- R *Cuviera pierrei* Halle  
R Gabon
- R *Cuviera uncinula* Halle  
R Gabon
- V *Cyclophyllum tenuipes* Guillaumin 20893  
V 20893 New Caledonia 20893
- R *Dannacanthus macrophyllus* Siebold 10573  
R 10573 Japan 10573
- Ex *Danais corymbosa* Balf.f. 10082  
Ex 5852 Mauritius - Rodrigues 5852
- Ex *Danais sulcata* Pers. 10082  
Ex 20771 Mauritius 10082
- I *Deppea amarantina* Standley & Steyerf. 9004  
I 19802 Guatemala 9004
- R *Deppea flava* (Brandege) L.O. Williams 9004  
R 19802 Guatemala 9004  
R 9989 Mexico 9004
- E *Deppea panamensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Dichilanthe zeylanica* Thwaites 10252  
V 12838 Sri Lanka 10252
- V *Didymaea hispida* L.O. Williams 9004  
V 19802 Guatemala 9004
- V *Didymaea microphylla* L.O. Williams 9004  
V 19802 Guatemala 9004
- R *Diodia denudata* Standl. 20883  
V 20883 Panama 20883
- I *Diplospora andamanica* Balakr. & Nair 10177  
I India - Andaman Is. (Saddle Peak, N. Andamans) 10177
- I *Dolichometra leucantha* Schumann 7959  
I 5926 Tanzania (Lushoto) 7959
- R *Doricera trilocularis* (Balf.f.) Verdc. 10082  
R 5852 Mauritius - Rodrigues 5852
- E *Dunnia sinensis* Tutcher 17617  
E 17617 China - Guangdong 11139
- R *Duroia costaricensis* Standley 9037  
R 19803 Costa Rica 9037
- Ex/E *Duroia genipifolia* Standley & Steyerf. 9004  
Ex/E 19802 Guatemala 9004
- V *Eizia mexicana* Standley 9004  
V 9989 Mexico 9004
- E *Elaeagia nitidifolia* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Emmenopterys henryi* Oliver 17617  
R 17617 China - Anhui 11139  
R 17617 China - Fujian 11139  
R 17617 China - Guizhou 17617  
R 17617 China - Hubei 11139  
R 17617 China - Hunan 11139  
R 17617 China - Jiangsu (Yixing) 11139  
R 17617 China - Jiangxi 11139  
R 17617 China - Zhejiang 11139
- R *Eriosemopsis subanisophylla* Robyns 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Erithalis harrisii* Urb. 20883  
R 20883 Jamaica 20883
- R *Erithalis quadrangularis* Krug & Urb. 20883  
R 20883 Jamaica 20883
- V *Erithalis revoluta* Urban 20883, 8058  
I 19002 Puerto Rico 20883
- I *Erithalis salmeoides* Correll  
I 4650 Bahamas 4650

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Erithalis*

- I** *Ernoidea gigantea* Correll  
I Bahamas
- R** *Exostema brachycarpum* (Sw.) Schult. 20883  
R 20883 Jamaica 20883
- V** *Exostema lancifolium* Borh. & Acuna 5607  
V 19105 Cuba (Holguin) 5607
- E** *Exostema orbiculatum* Proctor 20883, 13336  
E 13336 Jamaica 20883
- R** *Exostema triflorum* (W. Wright) G. Don 20883, 13336  
R 13336 Jamaica (St. Ann, Portland) 20883
- E** *Faramea altipetens* Dwyer 20883, 9006  
I 20883 Panama 20883
- R** *Faramea belizensis* Standley 9004  
R 9004 Belize 9004  
R 9004 Guatemala 9004
- V** *Faramea bocataurensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- E** *Faramea caput-anguis* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- R** *Faramea cobana* J.D. Smith 9004  
R 19802 Guatemala 9004
- R** *Faramea cyanea* Muell.-Arg. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R** *Faramea honduræ* Standley 9037  
R 19803 Costa Rica 9037
- E** *Faramea jefensis* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- I** *Faramea liesneri* Dwyer 20883, 9006  
I 16317 Panama 20883
- I** *Faramea ovalis* Standl. 20883, 9006  
I 19803 Costa Rica 9037  
V 16317 Panama 20883
- E** *Faramea papulata* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- V** *Faramea pauciflora* Dwyer 20883, 9006  
V 16317 Panama 20883
- R** *Faramea porophylla* (Vell.) Muell.-Arg. in Mart. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- E** *Faramea scalaris* Standl. 20883, 9006  
I 20883 Panama 20883
- E** *Faramea standleyana* L.O. Williams 9004  
E 19802 Guatemala 9004
- V** *Faramea terreyaee* Standl. 20883, 9006  
V 16317 Panama 20883
- V** *Faramea woodsonii* Standl. 20883, 9006  
V 16317 Panama 20883
- R** *Fernelia obovata* Lam. 10082  
R 20771 Mauritius 10082
- E** *Fernelia pedunculata* Gaertn.f. 10082  
E 14220 Réunion 10082
- Ex** *Gaertnera boivini* Drake 20775  
Ex 20771 Mauritius 20775
- Ex** *Gaertnera calycina* Bojer 10082  
Ex 20771 Mauritius 10082
- Ex** *Gaertnera crassiflora* Bojer 10082  
Ex 20771 Mauritius 10082
- R** *Gaertnera cuneifolia* Bojer 10082  
R 20771 Mauritius 10082
- R** *Gaertnera edentata* Bojer 10082  
R 20771 Mauritius 10082
- E** *Gaertnera hirtiflora* Verdc. 10082  
E 20771 Mauritius 10082
- E** *Gaertnera longifolia* Bojer var. *longifolia* 10082  
E 20771 Mauritius 10082
- Ex** *Gaertnera longifolia* Bojer var. *pubescens* Verdc. 10082  
Ex 20771 Mauritius 10082
- Ex** *Gaertnera noddosa* Drake 20775  
Ex 20771 Mauritius 20775
- Ex** *Gaertnera oxycarpa* Drake 20775  
Ex 20771 Mauritius 20775
- E** *Gaertnera pendula* Bojer 10082  
E 20771 Mauritius 10082
- R** *Gaertnera petrinensis* Verdc. 10082  
R 20771 Mauritius 10082
- Ex** *Gaertnera quadriseta* A. DC. 10082  
Ex 20771 Mauritius 10082
- R** *Gaertnera rosea* Thwaites ex Benth. 10276  
R 12838 Sri Lanka 10276
- E** *Gaertnera truncata* A. DC. 10082  
E 20771 Mauritius 10082
- R** *Galium amorginum* Halácsy 20171  
R Greece
- R** *Galium andrewsii* (Dempster) Dempster & Stebbins ssp. *gatense* (Dempster) Dempster & Stebbins 20850  
R 20850 U.S. - California 20850
- V** *Galium angustifolium* Nutt. ex A.Gray ssp. *borregoense* Dempster & Stebbins 20850  
V 20850 U.S. - California 20850
- V** *Galium angustifolium* Nutt. ex A.Gray ssp. *jacinticum* Dempster & Stebbins 20850  
V 20850 U.S. - California 20850
- V** *Galium angustifolium* Nutt. ex A.Gray ssp. *onycense* (Dempster) Dempster & Stebbins 20850  
I 20850 U.S. - California 20850
- R** *Galium angustissimum* (Hausskn. & Bornm.) Ehrend. 12840  
R 12840 Turkey 12840
- R** *Galium antitaurica* Ehrend. 12840  
R 12840 Turkey 12840
- E** *Galium antuneziae* Dempster 20883  
I 20883 Peru 20883
- R** *Galium aretioides* Boiss. 12840  
R 12840 Turkey 12840
- E** *Galium argense* Dempster & Ehrend. 20850  
I 20850 U.S. - California 20850
- R** *Galium baillonii* D.Brândza 17823, 20171  
R 19949 Romania 20631
- R** *Galium balearicum* Briq. 20171  
R Spain - Balearic Is.
- R** *Galium basalticum* Ehrend. & Schonb.-Tem. 12840  
R 12840 Turkey 12840
- R** *Galium bayoptianum* Ehrend. & Schonb.-Tem. 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Galium*

- R** *Galium boreo-aethiopicum* Puff 19704  
**R** 19704 Ethiopia (Gonder, Wello Upland) 19704
- R** *Galium bornmuelleri* Hausskn. ex Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Galium bredasdorpense* Puff 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Galium buxifolium* Greene 20850  
**V** 20850 U.S. - California 20850
- E** *Galium cajamarcense* Dempster 20883  
**I** 20883 Peru 20883
- V** *Galium californicum* Hook. & Arn. ssp. *lucienne*  
 Dempster & Stebbins 20850  
**V** 20850 U.S. - California 20850
- E** *Galium californicum* Hook. & Arn. ssp. *primum*  
 Dempster & Stebbins 20850  
**E** 20850 U.S. - California 20850
- E** *Galium californicum* Hook. & Arn. ssp. *sierrae*  
 Dempster & Stebbins 20850  
**E** 20850 U.S. - California 20850
- R** *Galium campanelliferum* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- R** *Galium canum* Reg. ex DC. ssp. *antalyense*  
 Ehrend. 12840  
**R** 12840 Turkey 12840
- R** *Galium carmenicola* Dempster 10066  
**R** 19797 Mexico 10066
- R** *Galium carterae* Dempster 10065  
**R** 19797 Mexico 10065
- R** *Galium catalinense* Gray 20850  
**I** 20850 U.S. - California 20850
- V** *Galium catalinense* A. Gray ssp. *acrispum*  
 Dempster 20850  
**V** 20850 U.S. - California 20850
- R** *Galium catalinense* Gray ssp. *catalinense* 20850  
**I** 20850 U.S. - California 20850
- R** *Galium ceratocarpon* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Galium collomiae* J.T. Howell 20850  
**R** 20850 U.S. - Arizona 20850
- I** *Galium confertum* Royle  
**I** India - Himachal Pradesh
- R** *Galium cornigerum* Boiss. & Hausskn. 12840  
**R** 12840 Turkey 12840
- V** *Galium correllii* Dempster 20883, 19002  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- V** *Galium cracoviense* Ehrend. 7897, 20171  
**V** 19306 Poland (south, near Czczstochowa) 8000
- R** *Galium cyllenium* Boiss. & Heldr. 20171  
**R** Greece
- E** *Galium dempsterae* B. L. Turner 20883, 10077  
**I** 20883 Mexico 20883  
 ? Mexico - Nuevo Leon 10077
- R** *Galium diechii* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Galium exsurgens* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- E** *Galium fosbergii* Dempster 20883
- I** 20883 Peru 20883
- R** *Galium fukuyamai* Masamune 20511  
**R** 20511 Taiwan 20511
- R** *Galium galiopsis* (Hand.-Mazz.) Ehrend 12840  
**R** 12840 Turkey 12840
- V** *Galium glabrescens* (Ehrend.) Dempster & Ehrend. ssp. *modocense* Dempster & Ehrend. 20850  
**V** 20850 U.S. - California 20850
- R** *Galium glaucophyllum* Em.Schmid 20171  
**R** Italy - Sardinia
- V** *Galium globuliferum* Huber-Mor. & Reese 12840  
**V** 12840 Turkey 12840
- E** *Galium grande* McClatchie 20850  
**E** 20850 U.S. - California 20850
- V** *Galium hallii* Munz & Johnston 20850  
**I** 20850 U.S. - California 20850
- V** *Galium hardhamiae* Dempster 20850  
**V** 20850 U.S. - California 20850
- V** *Galium hierochuntinum* Bornm. 8895  
**V** Israel 8895
- R** *Galium hilendiae* Dempster & Ehrend. 20850  
**I** 20850 U.S. - California 20850  
**R** 20850 U.S. - Nevada 20850
- V** *Galium hilendiae* Dempster & Ehrend. ssp. *carneum*  
 (Hilend & Howell) Dempster & Ehrend. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Galium hilendiae* Dempster & Ehrend. ssp. *kingstonense* (Dempster) Dempster & Ehrend. 20850  
**E** 20850 U.S. - California 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Galium huber-morathii* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- E** *Galium hypotrichium* Ehrend. ssp. *tomentellum*  
 Ehrend. 20850  
**E** 20850 U.S. - California 20850
- R** *Galium hypoxylon* Ehrend. & Schonb.-Tem 12840  
**R** 12840 Turkey 12840
- R** *Galium incanum* Sibth. & Sm. ssp. *creticum*  
 Ehrend. 20171  
**R** 20730 Greece - Crete 20730
- R** *Galium incrassatum* Halácsy 20171  
**R** 20730 Greece - Crete 20730
- R** *Galium isauricum* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- V** *Galium jepsonii* Hilend & Howell 20850  
**I** 20850 U.S. - California 20850
- E** *Galium johnstonii* Dempster & Stebbins 20850  
**I** 20850 U.S. - California 20850
- R** *Galium kamtschaticum* Steller var. *yakusimense*  
 (Masam.) Yamaz. 10573  
**R** 10573 Japan 10573
- R** *Galium koreanum* Nakai 15957  
**R** 15923 Korea, South (south to Chungchong-do) 15957
- I** *Galium lacrimiforme* Dempster 10075  
**I** 19797 Mexico 10075
- R** *Galium lasiocarpum* Boiss. 12840  
**R** 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Galium*

- V** *Galium litorale* Guss. 8000, 20171  
**V** 18264 Italy - Sicily 19997
- I** *Galium maborasense* Masamune 20511  
**I** 20511 Taiwan 20511
- R** *Galium matthewsii* Gray 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Galium membranaceum* Ehrend. 12840  
**R** 12840 Turkey 12840
- R** *Galium moldavicum* (Dobrescu) Franco 17762, 20171  
**V** 19949 Romania 20631  
**R** former European USSR 8001
- R** *Galium monticola* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Galium montis-arerae* Merxm. & Ehrend. 18264, 20171  
**R** 18264 Italy (Lombardy) 18264
- R** *Galium moranii* Dempster 10065  
**R** 19797 Mexico 10065
- V** *Galium muricatum* W. Wight 20850  
**I** 20850 U.S. - California 20850
- I** *Galium nankotaizanum* Ohwi 20511  
**I** 20511 Taiwan 20511
- E** *Galium niewerthii* Franchet & Sav. 10573  
**E** 10573 Japan 10573
- E** *Galium numidicum* Pomel 10488  
**E** 14958 Algeria 10488
- R** *Galium olympicum* auct. ital., non Boiss. 12840, 20171  
**R** 12840 Turkey 12840
- R** *Galium palaeoitalicum* Ehrend. 20171  
**R** Italy
- R** *Galium pamphylicum* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Galium papilliferum* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- R** *Galium parishii* Hilend & Howell 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Galium parvulum* Hub.-Mor. ex Ehre. & Scho.-Tem 12840  
**R** 12840 Turkey 12840
- E** *Galium philistaem* Boiss. 8895  
**E** Israel 8895
- R** *Galium productum* Lowe  
**R** Portugal - Madeira
- R** *Galium pseudocapitatum* Hub.-Mor. ex Ehrend. & Schonb. 12840  
**R** 12840 Turkey 12840
- R** *Galium pterocarpum* Ehrend. 12840  
**R** 12840 Turkey 12840
- R** *Galium pulvinatum* Boiss. 20171  
**R** 11496 Spain 11496
- I** *Galium quichense* Dempster 9004  
**I** 19797 Guatemala 9004
- R** *Galium reiseri* Halácsy 20171  
**R** Greece
- R** *Galium roddii* Ehrend. & McGillivray 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Galium runcinatum* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- R** *Galium saxosum* (Chaix) Breistr. 20171  
**R** 20528 France (Alps) 20528
- R** *Galium scopulorum* Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- V** *Galium serpenticum* Dempster ssp. *scotticum* Dempster & Ehrend. 20850  
**V** 20850 U.S. - California 20850
- E** *Galium serpenticum* Dempster ssp. *warnerense* Dempster & Ehrend. 20850  
**E** 20850 U.S. - California 20850  
**R** 20850 U.S. - Oregon 20850
- R** *Galium setuliferum* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- R** *Galium siehanum* Ehrand. 12840  
**R** 12840 Turkey 12840
- R** *Galium sinaicum* (Del. ex Decne.) Boiss. 10269  
**R** Egypt (Sinai) 10269
- R** *Galium sorgerae* Ehrend. & Schonb.-Tem 12840  
**R** 12840 Turkey 12840
- V** *Galium stojanovii* Degen 8000, 20171  
**V** 5204 Bulgaria (south-west) 5204
- R** *Galium sudeticum* Tausch 7897, 20171  
**E** 2050 Czech Republic 2050  
**R** 18216 Poland 7897
- I** *Galium taiwanense* Masamune 20511  
**I** 20511 Taiwan 20511
- R** *Galium tanganyikense* Ehrendorfer & Verde. 7959  
**R** 5926 Tanzania (Njombe/Mbeya Distr.) 7959
- I** *Galium tarokoense* Hayata 20511  
**I** 20511 Taiwan 20511
- R** *Galium thasium* Stoy. & Kit.  
**R** Greece
- R** *Galium tmoleum* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Galium tolosianum* Boiss. & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Galium tortumense* Ehrend. & Schonb.-Tem. 12840  
**R** 12840 Turkey 12840
- R** *Galium tubiflorum*q Ehrend. 12840  
**R** 12840 Turkey 12840
- R** *Galium viridiflorum* Boiss. & Reut. 8000, 20171  
**R** 20874 Spain (Málaga Hills) 20874
- R** *Galium xylorrhizum* Boiss. & Huet 12840  
**R** 12840 Turkey 12840
- R** *Galium zabense* Ehrend. 12840  
**R** 12840 Turkey 12840
- E** *Gardenia actinocarpa* Puttock 20681  
**E** 20681 Australia - Queensland 20681
- E** *Gardenia anapetes* A.C. Smith 19630  
**E** 19630 Fiji (Vanua Levu) 19630
- R** *Gardenia annamensis* Pitard 6057  
**R** Vietnam 6057
- E** *Gardenia brighamii* Mann 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- E** *Gardenia candida* A.C. Smith 19630  
**E** 19630 Fiji (Vanua Levu) 19630
- R** *Gardenia chevalieri* Pitard 6057  
**R** Vietnam 6057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Gardenia*

- V *Gardenia grieviei* Horne ex Baker 19630  
V 19630 Fiji (Vanua Levu) 19630
- R *Gardenia hillii* Horne ex Baker 19630  
R 19630 Fiji (Vanua Levu, Kanavu, Rabi) 19630
- E *Gardenia mannii* St. John & Kuykend. 20850, 14209, 21353  
E 20850 U.S. - Hawaii (O'ahu) 20850
- V *Gardenia remyi* Mann 20850, 14209  
V 20850 U.S. - Hawaii 20850
- E *Gardenia vitiensis* Seemann 19630  
E 19630 Fiji (Vanua Levu) 19630
- V *Genipa curviflora* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Geophila croatii* Steyerl. 20883, 9006  
E 20883 Panama 20883
- E *Gleasonia cururuensis* Egler 20883  
E 20883 Brazil 20883
- R *Gleasonia duidana* Standley 20883  
R 20883 Venezuela 20883
- R *Gleasonia duidana* Standley var. *duidana* 20883  
R 20883 Venezuela 20883
- V *Gleasonia duidana* Standley var. *latifolia* Steyerl. 20883  
V 20883 Venezuela 20883
- E *Gleasonia macrocalyx* Ducke 20883  
E 20883 Brazil 20883
- V *Glionnetia sericea* (Baker) Tirv. 14296  
V 19182 Seychelles (granitic) 14296
- I *Gonzalagunia brenesii* Standley 9037  
I 19802 Costa Rica 9037
- V *Gonzalagunia kallunki* Dwyer 20883, 9006  
V 16317 Panama 20883
- R *Gonzalagunia rojasii* Standley 9004  
R 19803 Guatemala 9004
- R *Gonzalagunia rudis* (Standl.) Standl. 20883  
R 20883 Panama 20883
- R *Gonzalagunia thrysoidea* (J.D. Smith) Robinson 9004  
R 19802 Guatemala 9004
- V *Gonzalagunia veraguensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Guettarda amblyophylla* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- I *Guettarda brenesii* Standley 9037  
I 19803 Costa Rica 9037
- I *Guettarda cobanensis* J.D. Smith 9004  
I 19802 Guatemala 9004
- E *Guettarda cobrensis* Standl. 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- R *Guettarda foliacea* Standl. 20883  
V 20883 Panama 20883
- V *Guettarda frangulifolia* Urb. 20883  
V 20883 Jamaica 20883
- I *Guettarda longiflora* Griseb. 13336  
I 13336 Jamaica (St. Ann, St. Thomas) 13336
- R *Guettarda macrosperma* J.D. Sm. 20883  
V 20883 Panama 20883
- E *Guettarda nervosa* Urban & Ekman 5607  
E 19105 Cuba 5607
- V *Guettarda noumeana* Baillon 20802  
V 20893 New Caledonia 20802
- R *Guettarda odorata* (Jacq.) Lam. 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883  
R 20883 Panama 20883
- E *Guettarda organosia* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- I *Guettarda petenensis* Lundell 9004  
I 19802 Guatemala 9004
- R *Guettarda poasana* Standley 9037  
R 19802 Costa Rica 9037  
V 16317 Nicaragua 16826
- E *Guettarda ramuliflora* Beurl. 20883, 9006  
I 20883 Panama 20883
- E *Guettarda retusa* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E *Guettarda roigiana* Borh. & Muniz 5607  
E 19105 Cuba (Villa Clara) 5607
- V *Guettarda sanblasensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Guettarda turrialbana* Zamora & Poveda 20883, 12478  
E 20883 Costa Rica 20883
- R *Guettarda viburnoides* Cham. & Schlecht. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Hamelia papillosa* Urb. 20883, 19890  
R 19890 Jamaica (central, western) 20883
- V *Hamelia sanguinea* Elias 20883, 9006  
I 20883 Panama 20883
- E *Hedyotis albonervia* Beddome 11494  
E 11494 India - Tamil Nadu 11494
- I *Hedyotis anamalayana* (Gamble) R. Rao & Hemadri  
I India - Tamil Nadu
- I *Hedyotis andamanica* Kurz 7771  
I India - Andaman Is. 7771  
I India - Nicobar Is. (Nicobar) 7771
- R *Hedyotis angulata* Fosberg ex Shinners 20850  
R 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- I *Hedyotis bambusetorum* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- V *Hedyotis barberi* (Gamble) A.N. Henry & Subram.  
V 13883 India - Tamil Nadu (Tirunelveli Hills) 13883
- E *Hedyotis beddomei* Hook.f. 11494  
E 11494 India - Kerala (Palghat Hills) 11494
- V *Hedyotis bourdillonii* (Gamble) R. Rao & Hemadri 10508  
V 13883 India - Kerala (Travancore; Silent Valley) 10508
- R *Hedyotis brunonis* Merr. 13883  
R 13883 Bangladesh 13883  
R 13883 India - Assam 13883  
R 13883 Myanmar 13883
- E *Hedyotis butterwickiae* (Terrell) Nesom 20850  
E 20850 U.S. - Texas 20850
- R *Hedyotis buxifolia* Bedd. 13883  
R 13883 India - Kerala 13883  
R 13883 India - Tamil Nadu 13883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Hedyotis*

- I** *Hedyotis congesta* Wall. var. *nicobarica*  
King 7771  
R 20099 Singapore 20099  
I India - Nicobar Is. 7771
- E** *Hedyotis cookiana* (Cham. & Schlecht.) Steud. 20850, 14209  
E 20850 U.S. - Hawaii (Hawai'i & Kaua'i) 20850
- E** *Hedyotis coriacea* Sm. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- I** *Hedyotis cymosa* Thwaites 10252  
I 16162 Sri Lanka 10252
- E** *Hedyotis cystisoides* Craib 19120  
E 19120 Thailand 19120
- E** *Hedyotis degeneri* Fosberg 20850, 14209  
I 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts) 20850
- E** *Hedyotis degeneri* Fosberg var. *coprosimifolia*  
Fosb. 20850  
E 20850 U.S. - Hawaii 20850
- E** *Hedyotis degeneri* Fosberg var. *degeneri* 20850  
E 20850 U.S. - Hawaii 20850
- E** *Hedyotis elatior* (Mann) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R** *Hedyotis eualata* (bedd. ex Gamble) Henry et Subramanyam 13883  
R 13883 India - Kerala 13883  
R 13883 India - Tamil Nadu 13883
- I** *Hedyotis evenia* Thwaites 10252  
I 16162 Sri Lanka 10252
- E** *Hedyotis fluviatilis* (Forbes) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii (Oahu, Ko'olau Mts) 20850
- Ex/E** *Hedyotis foliosa* (Hbd.) Fosberg 20850, 14209  
Ex/E 20850 U.S. - Hawaii (east Maui) 20850
- E** *Hedyotis formosa* (Hbd.) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii (West Maui) 20850
- I** *Hedyotis gardneri* Thwaites 10252  
I 16162 Sri Lanka 10252
- E** *Hedyotis geddesiana* Craib 19120  
E 19120 Thailand 19120
- Ex/E** *Hedyotis hirsutissima* Beddome 11494  
Ex/E 11494 India - Tamil Nadu 11494
- I** *Hedyotis inamoena* Thwaites 10252  
I 16162 Sri Lanka 10252
- I** *Hedyotis kingiana* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- V** *Hedyotis knudsenii* (Hbd.) Fosberg 20883  
I 20850 U.S. - Hawaii (Kaua'i - Koke'e area) 20850
- E** *Hedyotis littoralis* (Hbd.) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Hedyotis lychnidifolia* Craib 19120  
E 19120 Thailand 19120
- E** *Hedyotis manii* Fosberg 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R** *Hedyotis megalantha* Merr.  
R 18338 U.S. - Guam 18338
- R** *Hedyotis mexicana* (Hook. & Arn.) Hatus. 8037  
R 19134 Japan - Ogasawara-shoto 8037
- V** *Hedyotis mullerae* Fosberg 20850  
E 20850 U.S. - Texas 20850
- E** *Hedyotis nigricans* (Lam.) Fern. var. *pulvinata* (Small) Fosberg 20850  
E 20850 U.S. - Florida 20850
- E** *Hedyotis parvula* (Gray) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu - Wai'anae Mts) 20850
- I** *Hedyotis perhispidata* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- R** *Hedyotis philippensis* (Willd. ex Sprengel) Merr. ex C.Robinson 20681  
R 20681 Australia - Queensland 20681
- E** *Hedyotis punicea* Craib 19120  
E 19120 Thailand 19120
- I** *Hedyotis quinquenervia* Thwaites 10252  
I 16162 Sri Lanka 10252
- V** *Hedyotis ramarowii* (Gamble) R. Rao & Hemadri 11494  
V 11494 India - Kerala (Travancore) 11494  
V 11494 India - Tamil Nadu 11494
- I** *Hedyotis rhizophylla* Thwaites ex Trimen 10252  
I 16162 Sri Lanka 10252
- E** *Hedyotis schlechtendahliana* Steudel var. *remyi* (Hbd.) Fosberg 20850, 14209  
E 20850 U.S. - Hawaii 20850
- I** *Hedyotis shuteri* (Hook.f.) R. Rao & Hemadri  
I India - Tamil Nadu (east coast near Madras)
- I** *Hedyotis sisaparensis* Gage 2268  
I India - Tamil Nadu (Nilgiri Hills) 2268
- E** *Hedyotis spellenbergii* Nesom & Vorobik 20883  
I 20883 Mexico 20883
- E** *Hedyotis st.-johnii* B.C. Stone & M.A. Lane 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- I** *Hedyotis stocksii* (Hk.f. & Th.) R. Rao & Hemadri  
I India - Karnataka (Mysore)
- R** *Hedyotis swersoides* Hook.f. 13883  
R 13883 India - Kerala 13883  
R 13883 India - Tamil Nadu 13883
- I** *Hedyotis travancorica* Beddome  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Tirunelveli Hills)
- E** *Hedyotis tryblium* Herbst & W.L. Wagner 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- I** *Hedyotis villosa* *stripulata* (Gamble) R. Rao & Hemadri 5379  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu (Muthukuzhivayal) 5379
- I** *Hedyotis wynaadensis* (Gamble) R. Rao & Hemadri  
I India - Kerala (Wynaad)
- V** *Henriquezia jenmanii* Schumann 20883  
V 20883 Guyana 20883
- E** *Henriquezia nitida* var. *longisepala* (Bremekamp) Rogers 20883  
E 20883 Brazil 20883
- R** *Henriquezia nitida* var. *macrophylla* (Ducke) Steyermark 20883  
R 20883 Brazil 20883
- E** *Hillia chiapensis* Dwyer ssp. *grandifolia*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Hillia*

- Dwyer 20883, 9006  
**I** 20883 Panama 20883
- E** *Hillia ligulifolia* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- I** *Hillia macrocarpa* Standley & Steyer. 9004  
**I** 19802 Guatemala 9004
- V** *Hodgkinsonia frutescens* C.White 20681  
**V** 20681 Australia - Queensland 20681
- E** *Hoffmannia araneopedaria* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- E** *Hoffmannia areolata* Standl. 20883, 9006  
**I** 20883 Panama 20883
- I** *Hoffmannia calycosa* J.D. Smith 9004  
**I** 19802 Guatemala 9004
- E** *Hoffmannia capillacea* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- I** *Hoffmannia cauliflora* Hemsley 9004  
**I** 19802 Guatemala 9004
- E** *Hoffmannia cercidifolia* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- R** *Hoffmannia chiapensis* Standley 9004  
**R** 19802 Guatemala 9004  
**R** 9989 Mexico 9004
- I** *Hoffmannia confertiflora* Standley 9004  
**I** 19802 Guatemala 9004
- V** *Hoffmannia davidsoniae* Standl. 20883, 9006  
**I** 20883 Panama 20883
- V** *Hoffmannia fimbriantthera* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia haydenii* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia kirkbridei* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia lancistigma* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- E** *Hoffmannia lewisiana* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- E** *Hoffmannia longicalycina* Dwyer 20883, 9006  
**R** 19803 Panama 20883
- I** *Hoffmannia macrosiphon* Standley 9004  
**I** 19802 Guatemala 9004
- V** *Hoffmannia manussatani* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia morii* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia ostaurea* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Hoffmannia pedunculata* Sw. 20883, 13336  
**V** 13336 Jamaica (St. Andrew, Portland) 20883
- I** *Hoffmannia phoenicopoda* Schum. 9004  
**I** 19802 Guatemala 9004
- R** *Hoffmannia pittieri* Standl. 20883, 9006  
**I** 20883 Panama 20883
- E** *Hoffmannia pustulata* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- Ex/E** *Hoffmannia racemifera* Standley & Steyer. 9004  
**Ex/E** 19802 Guatemala 9004
- V** *Hoffmannia rexmontis* Dwyer 20883, 9006
- V** 16317 Panama 20883
- V** *Hoffmannia rubripigmenta* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- I** *Hoffmannia sessilifolia* L.O. Williams 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia teruae* L.O. Williams & A. Molina 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia tetrastigma* J.D. Smith 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia tuerckheimii* J.D. Smith 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia tuerckheimii* J.D. Smith var. *glabra* Standley & Steyer. 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia uniflora* Standley 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia vulcanicola* Standley & Steyer. 9004  
**I** 19802 Guatemala 9004
- I** *Hoffmannia wilsonii* Standley 9004  
**I** 19802 Guatemala 9004
- V** *Hoffmannia witheringioides* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- E** *Holstianthus barbicularis* Steyermark 20883  
**I** 20883 Venezuela 20883
- E** *Houstonia correllii* (W.H. Lewis) Terrell 20850  
**E** 20850 U.S. - Texas 20850
- E** *Houstonia croftiae* Britt. & Rusby 20850  
**E** 20850 U.S. - Texas 20850
- R** *Houstonia ouachitana* (E.B. Sm.) Terrell 20850  
**R** 20850 U.S. - Arkansas 20850  
**E** 20850 U.S. - Oklahoma 20850
- V** *Houstonia purpurea* (Small) Terrell var. *montana* (Small) Terrell 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Tennessee 20850
- R** *Indopolysolenia wallichii* (Hook. F.) Bennet 14782  
**R** 14782 India - Meghalaya 14782
- R** *Isidorea elliptica* Alain 5607  
**R** 19105 Cuba (Guantanamo) 5607
- R** *Isidorea leonis* Alain 5607  
**R** 19105 Cuba (Guantanamo) 5607
- R** *Isidorea microphylla* Borh. 5607  
**R** 19105 Cuba (Guantanamo) 5607
- V** *Isidorea polyneura* (Urban) Aiello 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- V** *Isidorea rheediioides* Borh. 5607  
**V** 19105 Cuba (Guantanamo) 5607
- I** *Ixora andamanica* Bremek. 7771  
**I** India - Andaman Is. 7771
- R** *Ixora baileyana* Bailey 20681  
**R** 20681 Australia - Queensland 20681
- I** *Ixora capitulifera* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- I** *Ixora capituliflora* Bremek. 7771  
**I** India - Andaman Is. 7771
- R** *Ixora clerodendron* Ridley  
**R** Malaysia - Peninsular Malaysia (Pahang)
- I** *Ixora cuneifolia* Roxb. var. *macrocarpa*



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Ixora*

- Kurz 7771
- I India - Nicobar Is. (Pulu Milo Is.) 7771
- R *Ixora delpyana* Pierre ex Pitard 6057  
R Vietnam 6057
- R *Ixora floribunda* (A. Rich.) Griseb. 20883  
E 20883 Panama 20883
- I *Ixora hymenophylla* Bremek. 7771  
I India - Andaman Is. 7771
- I *Ixora intermedia* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- I *Ixora johnsonii* Hook.f.  
I India - Kerala (Travancore)
- V *Ixora jucunda* Thwaites 10276  
V 12838 Sri Lanka 10276
- I *Ixora lawsoni* Gamble  
I India - Karnataka (Coorg)  
I India - Kerala (Mannanthody)
- I *Ixora longibracteata* Bremek. 7771  
I India - Nicobar Is. 7771
- E *Ixora marquesensis* F. Brown  
E French Polynesia - Marquesas Is
- I *Ixora palawanensis* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- V *Ixora pudica* Baker 14296  
V 19182 Seychelles (granitic) 14296
- I *Ixora saulierei* Gamble  
I India - Tamil Nadu (Palani Hills)
- Ex/E *Ixora scheffleri* K. Schum. & K. Krause ssp.  
*kentiensis* Bridson 20057  
Ex/E 20057 Kenya (Mt. Kenya) 20057
- I *Ixora spathoidea* F. Brown  
I French Polynesia - Marquesas Is
- I *Ixora tenuifolia* Bremek. 7771  
I India - Nicobar Is. 7771
- V *Joosia panamensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Kailarsenia jardinei* (F.Muell. ex Benth.)  
Puttock 20681  
R 20681 Australia - Queensland 20681
- R *Keenania microcephala* Pitard 6057  
R Vietnam 6057
- R *Knoxia linearis* Gamble  
R 7771 India - Orissa (Mahendragiri, Ganjam)  
7771  
I India - Tamil Nadu (Mahendragiri hills)
- V *Ladenbergia laurifolia* Dwyer 20883, 9006  
V 16317 Panama 20883
- R *Lasianthus appressihirtus* Simizu var. *maximus*  
Simizu 20511  
R 20511 Taiwan 20511
- R *Lasianthus baviensis* (Drake) Pitard 6057  
R Vietnam 6057
- I *Lasianthus blumeanus* Wight  
I India - Tamil Nadu (Tirunelveli District)
- R *Lasianthus caeruleus* Pitard 6057  
R Vietnam 6057
- I *Lasianthus capitulatus* Wight  
I India - Karnataka (Bruhmagiri Hills)  
I India - Tamil Nadu (Nilgiri & Palani Hills)
- I *Lasianthus ciliatus* Wight  
I India - Tamil Nadu (Nilagiri Hills)
- I *Lasianthus dichotomus* Wight 9327  
I India - Tamil Nadu 9327
- R *Lasianthus obliquinervis* Merr. var. *simizui*  
Merr. 20511  
R 20511 Taiwan 20511
- R *Lasianthus obliquinervis* Merr. var. *taitoensis*  
Merr. 20511  
R 20511 Taiwan 20511
- I *Lasianthus oblongifolius* Beddome  
I India - Tamil Nadu (Papanasam Hills)
- I *Lasianthus obovatus* Beddome  
I India - Kerala (Athramalai Hills)
- R *Lasianthus oliganthus* Thwaites 10276  
R 12838 Sri Lanka 10276
- R *Lasianthus pierrei* Pitard 6057  
R Vietnam 6057
- I *Lasianthus rhinophyllus* (Thwaites) Thwaites 10252  
I 16162 Sri Lanka 10252
- R *Lasianthus saprosmoides* Pitard 6057  
R Vietnam 6057
- I *Lasianthus thwaitesii* Hook. f. 16162  
I 16162 Sri Lanka 16162
- I *Lasianthus truncatus* Beddome  
I India - Andhra Pradesh (Vizakapatanam)  
I 7771 India - Orissa (Mahendragiri hills, Ganjam)  
7771
- V *Leptactina papyrophloea* Verdc. 20556  
V 20885 Tanzania (Rondo Plateau) 20885
- I *Leptodermis griffithii* Hook.f.  
I India - Meghalaya
- R *Leptodermis pulchella* Yatabe 10573  
R 10573 Japan 10573
- I *Leptodermis scabrata* Hook.f.  
I India - Arunachal Pradesh (Mishmee Hills)
- R *Lindenia rivalis* Benth. 20883  
V 20883 Panama 20883
- E *Machaonia acunae* Borh. & Fernandez 5607  
E 19105 Cuba (Juventud Is.) 5607
- V *Machaonia cymosa* (Sw.) Griseb. 20883  
V 20883 Jamaica 20883
- V *Machaonia dumosa* Borh. & Fernandez 5607  
V 19105 Cuba (Pinar del Rio) 5607
- R *Machaonia pubescens* Borh. & Fernandez 5607  
R 19105 Cuba (Cienfuegos) 5607
- R *Machaonia rotundata* Griseb. 20883  
R 20883 Jamaica 20883
- E *Machaonia tiffina* Urban & Ekman 5607  
E 19105 Cuba (SS; CA; C) 5607
- R *Machaonia urbaniana* Standl. 5607  
R 19105 Cuba (Santiago de Cuba) 5607
- V *Machaonia urbinoi* Borh. & Muniz 5607  
V 19105 Cuba (Holguin) 5607
- R *Macrocnemum jamaicense* L. 20883  
R 20883 Jamaica 20883
- V *Manettia bocataurensis* Dwyer 20883, 9006  
V 16317 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Manettia*

- E** *Manettia hydrophila* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- V** *Mitracarpus acunae* Alain 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- E** *Mitracarpus depauperatus* Britton & P. Wilson 5607  
**E** 19105 Cuba (Juventud Is.) 5607
- E** *Mitracarpus maxwelliae* Britt. & Wilson 20883  
**I** 20883 Puerto Rico 20883
- E** *Mitracarpus polycladus* Urban 20883, 8058  
**I** 20883 Netherlands Antilles 20883  
**I** 20883 Puerto Rico 20883
- V** *Mitracarpus scaberulus* Urban 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- E** *Mitrostigma greenwayi* Bridson  
**E** Kenya
- V** *Montamans panamensis* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- I** *Morinda reticulata* Gamble  
**I** India - Kerala (Travancore Hills)
- R** *Morinda trimera* Hbd. 20850, 14209  
**R** 20850 U.S. - Hawaii (Oahu, Lanai & Maui) 20850
- R** *Mouretia tonkinensis* Pitard 6057  
**R** Vietnam 6057
- E** *Mussaenda anomala* Li 17617  
**E** 17617 China - Guangxi (Dayaoshan) 11139
- R** *Mussaenda chevalieri* Pitard 6057  
**I** 20985 Vietnam 6057
- R** *Mussaenda dinhensis* Pierre ex Pitard 6057  
**R** Vietnam 6057
- I** *Mussaenda grandifolia* Elm. 13833  
**I** 13833 Philippines (low altitude) 13833
- Ex/E** *Mussaenda landia* Poiret var. *holosericea* (J.E. Smith) Verdc. 10082  
**Ex/E** 10082 Réunion 10082  
**Ex** 20771 Mauritius 10082
- R** *Mussaenda landia* Poiret var. *stadmanii* (DC.) Verdc. 10082  
**R** 20771 Mauritius 10082
- I** *Mussaenda longispala* Geddes 19120  
**I** 19120 Thailand 19120
- I** *Mussaenda mollis* Geddes 19120  
**I** 19120 Thailand 19120
- I** *Mussaenda monticola* Krause var. *glabrescens* Bridson 5926  
**I** 5926 Tanzania 5926
- I** *Mussaenda palawanensis* Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Mussaenda setosa* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Mussaenda taiwaniana* Kanehira 20854  
**R** 20854 Taiwan 20854
- I** *Mycetia mukerjiana* Deb & R. Dutta  
**I** India - Assam (Makum hills)
- R** *Myonima nitens* (Poiret) Verdc. 10082  
**R** 20771 Mauritius 10082
- E** *Myonima vaughanii* Verdc. 10082  
**E** 20771 Mauritius 10082
- R** *Myonima violacea* (Lam.) Verdc. var. *ovata* (Poiret) Verdc. 10082
- R** 20771 Mauritius 10082
- R** *Nargedia macrocarpa* (Thwaites) Beddome 10252  
**R** 12838 Sri Lanka 10252
- I** *Nauclea gageana* King 7771  
**I** 14782 India - Andaman Is. 7771
- I** *Neanotis carnosa* (Dalz.) W. Lewis 14782  
**I** 14782 India - Karnataka 14782
- I** *Neanotis monosperma* (Wight & Arn.) W. Lewis  
**I** India - Karnataka (Mysore)  
**I** India - Tamil Nadu (Nilgiri & Palani Hills)
- I** *Neanotis montholonii* (Hook.f.) W. Lewis  
**I** India - Karnataka (Mysore and Concan)  
**I** India - Kerala
- R** *Neanotis oxyphylla* (G. Don) Lewis 14782  
**R** 14782 India - Meghalaya 14782
- V** *Neanotis prainiana* (Talbot) Lewis 14782  
**V** 14782 India - Karnataka 14782
- I** *Neanotis rheedii* (Wight & Arn.) W. Lewis  
**I** India - Karnataka  
**I** India - Kerala (Cochin)  
**I** India - Tamil Nadu
- V** *Neofranciella pterocarpon* Guillaumin  
**V** New Caledonia
- R** *Nertera assurgens* Thouars 19938  
**R** Tristan da Cunha (Inaccessible & Tristan Is.) 19938
- R** *Nertera holmboei* Christoph. 19938  
**R** Tristan da Cunha (Inaccessible, Nightingale Is.) 19938
- E** *Nesohedyotis arborea* (Roxb.) Bremekamp 18996  
**E** 18996 St Helena 18996
- I** *Neurocalyx gardneri* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- E** *Nodocarpaea radicans* A.Gray 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- R** *Notodontia balansae* Pitard 6057  
**R** Vietnam 6057
- R** *Notodontia micrantha* (Drake) Pitard 6057  
**R** Vietnam 6057
- V** *Ochreinauclea missionis* (Wall. ex G. Don) Ridsd. 14782, 21025  
**V** 14782 India (central and southern W. Ghats) 14782
- Ex** *Oldenlandia adscensionis* (DC.) Cronk 3204  
**Ex** 3204 Ascension Is. 3204
- I** *Oldenlandia aegialoides* Bremek. 5926  
**I** 5926 Tanzania 5926
- I** *Oldenlandia albonervia* (Beddome) Gamble  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu (Tirunelveli Hills)
- R** *Oldenlandia cana* Bremek. 7883  
**R** Zimbabwe 7883
- E** *Oldenlandia cornata* Craib 19120  
**E** 19120 Thailand 19120
- I** *Oldenlandia forcipistipula* Verdc. 5926  
**I** 5926 Tanzania 5926
- I** *Oldenlandia glauca* Blatter  
**I** India - Rajasthan (Mt Abu)
- E** *Oldenlandia lanceolata* Craib 19120  
**E** 19120 Thailand 19120

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Oldenlandia*

- V** *Oldenlandia lancifolia* (Schumacher) DC. 20883  
**I** 20883 Puerto Rico 20883  
**E** 20883 Panama 20883
- I** *Oldenlandia marcanii* Craib 19120  
**I** 19120 Thailand 19120
- R** *Oldenlandia microtheca* (D.F. K. Schldl. & Cham.) DC. 9004  
**I** 19802 Guatemala 9004  
**R** 9989 Mexico 9004
- I** *Oldenlandia oxycoccoides* Bremek. 5926  
**I** 5926 Tanzania 5926
- I** *Oldenlandia patula* Bremek. 5926  
**I** 5926 Tanzania 5926
- R** *Oldenlandia polyclada* (F.Muell.) F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Oldenlandia sieberi* Baker var. *congesta* Balf.f. 10082  
**R** 5852 Mauritius - Rodrigues 5852
- Ex** *Oldenlandia sieberi* Baker var. *sieberi* 10082  
**Ex** 20771 Mauritius 10082
- R** *Oldenlandia thysanota* (Halford) Halford 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Oldenlandia uvinsae* Verdc. 5926  
**I** 5926 Tanzania 5926
- R** *Omittemia filisepala* (Standley) Morton 19850  
**R** 19850 Mexico 19850
- R** *Omittemia longipes* Standley 19850  
**R** 19850 Mexico 19850
- Ex** *Opercularia acolytantha* Diels 20681  
**Ex** 20681 Australia - Western Australia 20681
- I** *Ophiorrhiza alata* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza angkae* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza approximata* Craib 19120  
**I** 19120 Thailand 19120
- Ex/E** *Ophiorrhiza barnesii* C. Fischer 11494  
**Ex/E** 11494 India - Kerala (Travancore) 11494
- I** *Ophiorrhiza bicolor* Craib 19120  
**I** 19120 Thailand 19120
- Ex** *Ophiorrhiza brunonis* Wight & Arn. 11494  
**Ex** 11494 India - Karnataka 11494  
**Ex** 11494 India - Kerala 11494  
**Ex** 11494 India - Tamil Nadu 11494
- I** *Ophiorrhiza calcarea* Craib 19120  
**I** 19120 Thailand 19120
- Ex** *Ophiorrhiza caudata* C. Fischer 11494  
**Ex** 11494 India - Kerala (Idikki) 11494
- I** *Ophiorrhiza codyensis* Gamble  
**I** India - Karnataka (Coorg, Sampaji Ghat)
- I** *Ophiorrhiza condensa* Craib 19120  
**I** 19120 Thailand 19120
- R** *Ophiorrhiza fruticosa* Ridley  
**R** Malaysia - Peninsular Malaysia
- I** *Ophiorrhiza gracilis* Kurz 13883  
**I** 13883 India - Nagaland (Kohima) 13883  
**I** 13883 Myanmar (Tenasserim) 13883
- I** *Ophiorrhiza griffithii* Hook.f. 13883  
**I** 13883 India - Nagaland 13883  
**I** 13883 Myanmar 13883
- E** *Ophiorrhiza hispida* Hook.f. 13883  
**E** 13883 India - Assam 13883  
**E** 13883 India - Meghalaya 13883  
**E** 13883 Myanmar 13883
- E** *Ophiorrhiza incarnata* C. Fischer 11494  
**E** 11494 India - Kerala 11494
- I** *Ophiorrhiza kratensis* Craib 19120  
**I** 19120 Thailand 19120
- R** *Ophiorrhiza longerepens* Ridley  
**R** Malaysia - Peninsular Malaysia (Gua Musang)
- E** *Ophiorrhiza longipes* Craib 19120  
**E** 19120 Thailand 19120
- I** *Ophiorrhiza membranacea* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza munnarensis* C. Fischer  
**I** India - Kerala (Idikki)
- I** *Ophiorrhiza nicobarica* Balakr. 7771  
**I** India - Nicobar Is. (Gt. Nicobar Is.) 7771
- I** *Ophiorrhiza pallida* Thwaites 10252  
**I** 16162 Sri Lanka 10252
- I** *Ophiorrhiza patula* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza pulgarensis* Elm. 13833  
**I** 13833 Philippines (Palawan) 13833
- Ex/E** *Ophiorrhiza pykarensis* Gamble 11494  
**Ex/E** India - Tamil Nadu (Pykara Falls, Nilgiris) 4988
- Ex** *Ophiorrhiza radicans* Gardn. 13883  
**Ex** 13883 India - Kerala 13883  
**Ex** 13883 Sri Lanka 13883
- I** *Ophiorrhiza ridleyana* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza ripicola* Craib 19120  
**I** 19120 Thailand 19120
- I** *Ophiorrhiza roxburghiana* Wight  
**I** India - Tamil Nadu (Palani Hills; Periya shola)
- E** *Ophiorrhiza subcapitata* Wall. ex Hook.f. 13883  
**E** 13883 India - Meghalaya (Khasi & Jaintea hills) 13883
- I** *Ophiorrhiza subpunicica* Craib 19120  
**I** 19120 Thailand 19120
- V** *Ophiorrhiza tingens* Clarke ex Fischer 13883  
**V** 13883 India - Assam 13883  
**V** 13883 India - Meghalaya 13883  
**V** 13883 India - Nagaland 13883  
**V** 13883 India - Tripura 13883  
**V** 13883 Myanmar 13883
- V** *Ophiorrhiza villosa* Roxb. 14872  
**V** 14872 Bangladesh 14872
- E** *Ophiorrhiza wattii* C. Fischer 11494  
**E** 11494 India - Manipur 11494  
**E** 11494 India - Meghalaya 11494  
**E** 11494 India - Nagaland 11494
- I** *Otiophora pycnoclada* K. Schum. 5926  
**I** 5926 Tanzania 5926
- V** *Oxyanthus pyriformis* (Hochst.) Skeels ssp. *brevitubus* Bridson 20057  
**V** 20057 Kenya 20057  
**V** 20057 Tanzania (Mt. Meru) 17435
- R** *Oxyanthus pyriformis* (Hochst.) Skeels ssp.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Oxyanthus*

- longitubus* Bridson 20057  
R 20057 Kenya 20057
- R *Pachystigma gillettii* (Tennant) Verdc. 20057  
R 20057 Kenya 20057
- V *Palicourea bella* (Standl.) Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Palicourea chiriquina* Standl. 20883, 9006  
V 16317 Panama 20883
- R *Palicourea fastigiata* Benth. 20883  
E 20883 Panama 20883
- E *Palicourea gibbosa* Dwyer 20883, 9006  
I 20883 Panama 20883
- E *Palicourea grandibracteata* Dwyer 20883  
I 20883 Panama 20883
- V *Palicourea montensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Palicourea ochroides* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Palicourea panamensis* Standl. 20883  
I 20883 Panama 20883
- V *Palicourea pauciflora* Standl. 20883, 9006  
V 16317 Panama 20883
- V *Palicourea pulchra* Proctor var. *hispidula*  
Proctor 20883, 13336  
V 13336 Jamaica (Trelawny) 20883
- E *Palicourea rigidifolia* (Dwyer & Hayden) Dwyer 20883  
I 20883 Panama 20883
- V *Palicourea spathacea* C. M. Taylor 20883, 12018  
I 20883 Costa Rica 20883  
I 20883 Panama 20883
- R *Palicourea triphylla* (Muell.-Arg.) DC. 20883  
R 20883 Panama 20883
- E *Palicourea tumidonodosa* Dwyer 20883, 9006  
I 20883 Panama 20883
- E *Palicourea veraguensis* Dwyer 20883  
I 20883 Panama 20883
- R *Palicourea wilesii* Adams 20883, 15911  
R 20883 Jamaica 20883
- I *Pausinystalia brachythyrsum* (K.Schum.)  
W.Brandt 21006  
I 21006 Cameroon (Bipinde) 21006
- V *Pausinystalia lane-poolei* (Hutch.) Hutch ex Lane-Poole  
ssp. *lane-poolei* 21006, 20274  
V 20858 Ghana 20274  
V 20858 Liberia 7926  
V 20858 Sierra Leone 7926
- I *Pavetta axillipara* Bremek. 7959  
I Tanzania (Morogoro Distr.) 7959
- I *Pavetta bagshawei* S. Moore 5926  
I 5926 Tanzania (Usambara mountains) 5926
- R *Pavetta bruceana* Bremek. 5926  
R 5926 Tanzania (Uluguru mountains) 5926
- R *Pavetta cinereifolia* Berhaut 7926  
R Mali 7926  
R Senegal 7926
- R *Pavetta coelophlebia* Bremek. 5926  
R 5926 Tanzania (south Nguru mountains) 5926
- I *Pavetta concinna* Bremek.  
I India - Tamil Nadu (Tirunelveli District)
- R *Pavetta crebrifolia* Hiern var. *kimbozensis*  
(Bremak.) Bridson 7959  
R 5926 Tanzania (Uluguru mnts.) 5926
- V *Pavetta hohenackeri* Bremek. 14782  
V 14782 India - Tamil Nadu (Sispara & Nilgiri Hills)  
4988
- I *Pavetta hymenophylla* Brem. 20057  
I 20057 Kenya (Mt. Kenya) 20057
- R *Pavetta linearifolia* Brem. 20057  
R 20057 Kenya 20057  
R 20057 Tanzania (coastal) 17435
- R *Pavetta madrassica* Bremek.  
R 18228 India - Andhra Pradesh 18228  
R 18228 India - Tamil Nadu 18228
- V *Pavetta mollissima* Hutchinson & Dalziel 20858  
V 20858 Côte d'Ivoire 20858  
V 20858 Ghana 20858
- I *Pavetta nemoralis* Bremek.  
I India - Kerala (Kavalai, Cochin)
- I *Pavetta oblanceolata* Brem. 14782  
I 14782 India - Kerala 14782
- I *Pavetta olivaceo-nigra* K.schum. 5926  
I 5926 Tanzania (Usambara mountains) 5926
- I *Pavetta pauciflora* Ridley  
I Malaysia - Peninsular Malaysia (Gua Batu, Selangor)
- I *Pavetta phanerophlebia* Merr. 13833  
I 13833 Philippines (low and medium altitudes)  
13833
- I *Pavetta sansibarica* K.Schum var. *rufipila*  
(Bremak.) Bridson 7959  
I 5926 Tanzania (Uluguru mnts.) 5926
- R *Pavetta sparsipila* Bremek. 5926  
R 5926 Tanzania (Uluguru mountains) 5926
- V *Pavetta sphaerobotrys* K. Schum. ssp. *tanaica*  
(Brem.) Bridson 20057  
V 20057 Kenya 20057
- I *Pavetta subferruginea* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- I *Pavetta tarenoides* S. Moore 20057  
I 20057 Kenya (Shimba hills) 20057
- R *Pavetta teitana* K. Schum. 20057  
R 20057 Kenya 20057
- Ex/E *Pavetta wightii* Hook. F. 14782  
Ex/E 14782 India - Tamil Nadu 14782
- E *Pentagonia alba* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Pentagonia bocataurensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Pentagonia brachyotis* (Standl.) Standl. 20883, 9006  
I 20883 Panama 20883
- V *Pentagonia tinajita* Seem. 20883, 9006  
V 16317 Panama 20883
- V *Pentagonia veraguensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- R *Pentaloncha humilis* Hook.f.  
R Gabon (Monts de Cristal)
- I *Pentas coiolaena* K. Schum. 5926  
I 5926 Tanzania (Uluguru mountains) 5926
- E *Pentas concinna* K. Schum. 19704

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Pentas*

- E 19704 Ethiopia (Harerge) 19704
- R *Pentas longituba* Schumann 7959  
R Tanzania (Morogoro Distr.) 7959
- R *Pentas tenuis* Verdc. 19704  
R 19704 Ethiopia (Welega, Bale, Kefa, Sidamo.) 19704
- I *Pentas ulugurica* (Verdc.) Hepper 5926  
I 5926 Tanzania (Uluguru mountains) 5926
- E *Phialanthus jamaicensis* Urb. 20883, 13336  
E 13336 Jamaica 20883
- E *Phialanthus linearis* Alain 5607  
E 19105 Cuba (Holguin) 5607
- V *Phialanthus revolutus* Urb. 20883, 13336  
V 13336 Jamaica 20883
- Ex *Phyllacanthus grisebachianus* Hook. f. 5607  
Ex 19105 Cuba (Pinar del Rio) 5607
- R *Pinarophyllon flavum* Brandegee 9004  
R 19850 Mexico 9004
- E *Platycarpum acreanum* Rogers 20883  
E 20883 Brazil 20883
- R *Platycarpum decipiens* Woodson & Steyermark 20883  
R 20883 Venezuela 20883
- E *Platycarpum duckei* Steyermark 20883  
E 20883 Brazil 20883
- E *Platycarpum eglandulosum* Steyermark 20883  
E 20883 Guyana 20883
- E *Platycarpum egleri* Rogers 20883  
E 20883 Brazil 20883
- E *Platycarpum froesii* Bremekamp 20883  
E 20883 Brazil 20883
- E *Platycarpum maguirei* Steyermark 20883  
E 20883 Venezuela 20883
- R *Platycarpum negrense* Ducke 20883  
V 20883 Brazil 20883  
E 20883 Venezuela 20883
- E *Platycarpum negrense* Ducke var. *glaucum* Rogers 20883  
E 20883 Venezuela 20883
- V *Platycarpum negrense* Ducke var. *negrense* 20883  
V 20883 Brazil 20883
- V *Platycarpum orinocense* var. *grandiflorum* Steyermark 20883  
V 20883 Venezuela 20883
- R *Platycarpum rhododactylum* Woodson & Steyermark 20883  
R 20883 Venezuela 20883
- R *Platycarpum rugosum* Steyermark 20883  
R 20883 Venezuela 20883
- V *Platycarpum schultesii* var. *schultesii* 20883  
V 20883 Colombia 20883
- R *Platycarpum schultesii* var. *zarucchii* Rogers 20883  
I 20883 Colombia 20883  
R 20883 Venezuela 20883
- V *Polysphaeria aethiopia* Verdc. 19704  
V 19704 Ethiopia (Bale, Sidamo) 19704
- V *Portlandia albiflora* Britton & Harris 20883  
V 20883 Jamaica 20883
- V *Portlandia coccinea* Sw. 20883, 19890
- R 19890 Jamaica 20883
- R *Portlandia grandiflora* L. 20883  
R 20883 Jamaica 20883
- E *Portlandia harrisii* Britton 20883, 13336  
E 13336 Jamaica (Clarendon, St. Ann) 20883
- R *Portlandia latifolia* Britton & Harris 20883  
R 20883 Jamaica 20883
- E *Portlandia microsepala* Urb. 20883, 13336  
E 13336, Jamaica (St. Ann, Clarendon) 20883
- I *Prismatomeris andamanica* Ridley 14782  
I 14782 India - Andaman Is. (S. Andaman Is.) 7771
- R *Psathura borbonica* J. Gmelin var. *grandiflora* Baker 10082  
R 20771 Mauritius 10082
- R *Psathura myrtifolia* A. Rich. ex DC. 10082  
R 20771 Mauritius 10082
- E *Psathura sechellarum* Baker 19181  
E 14981 Seychelles (granitic) 14296
- R *Psathura terniflora* A. Rich. ex DC. 10082  
R 20771 Mauritius 10082
- R *Pseudomussaenda capsulifera* (Balf. f.) Wernham 15534  
R 15534 Yemen - Socotra 15534
- R *Pseudopyxis heterophylla* (Miq.) Maxim. 10573  
R 10573 Japan 10573
- I *Pseudosabicea sanguinosa* Halle  
I Gabon
- E *Psychotria aborensis* Dunn 11494  
E 11494 India - Arunachal Pradesh 11494
- V *Psychotria adamsonii* Fosb.  
V French Polynesia - Marquesas Is
- V *Psychotria aggregata* Standl. 20883, 9006  
I 20883 Panama 20883
- R *Psychotria albidocalyx* K. Schumann var. *mosambicensis* Petit  
R Mozambique
- V *Psychotria allenii* Standl. 20883, 9006  
I 20883 Panama 20883
- R *Psychotria andamanica* Kurz. 14782  
R 14782 India - Andaman Is. 7771  
R 14782 India - Nicobar Is. 14782
- E *Psychotria angustata* Andersson 11117  
E 14980 Ecuador - Galapagos 9389
- E *Psychotria bakeri* Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Psychotria balabacensis* Merr. 13833  
I 13833 Philippines (Balabac Island) 13833
- Ex *Psychotria balfouriana* Verdc. 10082  
Ex 5852 Mauritius - Rodrigues 10936
- Ex *Psychotria banaona* Urban 5607  
Ex 19105 Cuba (Sancti Spiritus) 5607
- I *Psychotria barberi* Gamble  
I India - Kerala (Travancore Hills)  
I India - Tamil Nadu
- R *Psychotria baviensis* (Drake) Pitard 6057  
R 15734 Vietnam 6057
- V *Psychotria boquetensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria bowermanae* Fosb.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Psychotria*

- V French Polynesia - Marquesas Is
- E** *Psychotria bryonicola* Proctor 20883, 13336  
E 13336 Jamaica 20883
- V** *Psychotria calophylla* Standl. 20883  
V 20883 Panama 20883
- I** *Psychotria calopogon* L.O. Williams 9004  
I 19802 Guatemala 9004
- R** *Psychotria cantleyi* Ridley  
R Malaysia - Peninsular Malaysia  
R 20099 Singapore 20099
- R** *Psychotria capillacea* (Muell.-Arg.) Standl. 20883  
I 20883 Brazil 20883  
V 20883 Paraguay 20883
- R** *Psychotria capitata* R. & P. 20883  
I 20883 Panama 20883
- R** *Psychotria capitata* R. & P. ssp.  
*capitata* 20883  
R 20883 Panama 20883
- E** *Psychotria capitata* Dwyer ssp. *fissistipularis*  
Dwyer 20883, 9006  
I 20883 Panama 20883
- V** *Psychotria carnosocarpa* Dwyer & Hayden 20883, 9006  
V 16317 Panama 20883
- R** *Psychotria carronis* C. Moore & F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Psychotria castaneifolia* Petit 7959  
R Tanzania (Morogoro Distr.) 7959
- E** *Psychotria cathetoneura* Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- V** *Psychotria catilicalyx* Dwyer 20883, 9006  
V 16317 Panama 20883
- I** *Psychotria chrysocalymma* L.O. Williams 9004  
I 19802 Guatemala 9004
- V** *Psychotria clarendonensis* Urb. 20883, 13336  
V 13336 Jamaica (Clarendon) 20883
- V** *Psychotria clusioides* PROCTOR 20883, 13336  
V 13336 Jamaica (Portland) 20883
- V** *Psychotria coeloneura* Urb. 20883  
V 20883 Jamaica 20883
- R** *Psychotria condorensis* Pierre ex Pitard 6057  
R Vietnam 6057
- I** *Psychotria congesta* Spreng. ex DC. 13336  
I 13336 Jamaica 13336
- V** *Psychotria crassipetala* Petit 6073  
V 20057 Kenya (Teita district) 7959
- V** *Psychotria croceovenosa* Dwyer 20883, 9006  
V 16317 Panama 20883
- Ex/E** *Psychotria cyrilli-nelsonii* A. Molina 20050  
Ex/E 20050 Honduras 20050
- E** *Psychotria danceri* Urb. 19890  
E 19890 Jamaica (Holland Mtn.) 19890
- R** *Psychotria dasyophthalma* Griseb. 20883, 13336  
R 13336 Jamaica 20883
- E** *Psychotria deverdiana* Guillaumin 20893  
E 20893 New Caledonia 20893
- R** *Psychotria discolor* (Griseb.) Rolfe 20883  
R 20883 Jamaica 20883
- R** *Psychotria dolichantha* Urb. 20883  
R 20883 Jamaica 20883
- R** 20883 Jamaica 20883
- R** *Psychotria dolphiniana* Urb. 20883  
R 20883 Jamaica 20883
- V** *Psychotria domatiata* Adams 20883, 15911  
R 13336 Jamaica (Portland) 20883
- V** *Psychotria dosbocensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- E** *Psychotria durilancifolia* Dwyer 20883, 9006  
I 20883 Panama 20883
- E** *Psychotria ekmanii* Urban 5607  
E 19105 Cuba (Granma) 5607
- V** *Psychotria esulcata* F. Brown  
V French Polynesia - Marquesas Is
- V** *Psychotria fendleri* Standl. 20883, 9006  
I 20883 Panama 20883
- R** *Psychotria foetens* Sw. 20883, 13336  
R 13336 Jamaica 20883
- V** *Psychotria foetida* Griseb. 20883  
V 20883 Jamaica 20883
- E** *Psychotria geronensis* Urban 5607  
E 19105 Cuba (Juventud Is.) 5607
- I** *Psychotria glandulifera* Thwaites ex Hook.f. 10252  
I 16162 Sri Lanka 10252
- E** *Psychotria globicephala* Gamble  
E 13883 India - Tamil Nadu (Tirunelveli District) 13883
- R** *Psychotria graciliflora* Benth. 20883  
R 20883 Panama 20883
- R** *Psychotria granadensis* Benth. 20883  
E 20883 Panama 20883
- E** *Psychotria grandiflora* Mann 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V** *Psychotria greeneana* Urban  
V 19105 Cuba (Pinar del Rio) 19105
- V** *Psychotria greenwelliae* Fosberg 20850, 14209  
I 20850 U.S. - Hawaii (Kaua'i - Koke'e) 20850
- V** *Psychotria hammelii* Dwyer 20883, 9006  
V 16317 Panama 20883
- E** *Psychotria hanoverensis* Proctor 20883, 13336  
E 13336 Jamaica 20883
- V** *Psychotria hassleriana* (Chodat) Standl. 20883  
V 20883 Paraguay 20883
- I** *Psychotria helferi* Kurz. var. *angustifolia*  
King 7771  
I India - Andaman Is. (S. Andaman Is.) 7771
- Ex/E** *Psychotria hexandra* H. Mann var. *hosakana*  
Fosberg 20850  
Ex/E 20850 U.S. - Hawaii 20850
- E** *Psychotria hexandra* H. Mann var. *oahuensis* O. Deg.  
& Fosberg 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E** *Psychotria hexandra* H. Mann var. *rockii*  
Fosberg 20850  
Ex/E 20850 U.S. - Hawaii 20850
- I** *Psychotria heydei* Standley 9004  
I 19802 Guatemala 9004
- V** *Psychotria hirsuta* Sw. 20883  
V 20883 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Psychotria*

- V *Psychotria hivaoana* Fosb.  
V French Polynesia - Marquesas Is
- E *Psychotria hobdyi* Sohmer 20850, 14209  
E 20850 U.S. - Hawaii (Kau`i) 20850
- E *Psychotria impatiens* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Psychotria insignis* Standl. 20883, 9006  
V 16317 Panama 20883
- R *Psychotria iringensis* Verdc. 7959  
R Tanzania (Iringa) 7959
- I *Psychotria iwahigensis* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- V *Psychotria izabalensis* L.O. Williams 9004  
V 19802 Guatemala 9004
- V *Psychotria le-bronneckii* Fosb.  
V French Polynesia - Marquesas Is
- E *Psychotria liesneri* Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Psychotria lilacina* Standley & Steyerf. 9004  
I 19802 Guatemala 9004
- R *Psychotria limonensis* Krause 20883  
V 20883 Panama 20883
- V *Psychotria longipedunculata* Dwyer 20883, 9006  
V 16317 Panama 20883
- I *Psychotria longipetiolata* Thwaites 10252  
I 16162 Sri Lanka 10252
- V *Psychotria lunanii* Urb. 20883, 13336  
V 13336 Jamaica (St. Catherine) 20883
- R *Psychotria manna* Urb. 20883  
R 20883 Jamaica 20883
- E *Psychotria marchionica* (Drake) F. Brown  
E French Polynesia - Marquesas Is
- V *Psychotria martii* Acuna & Roig 5607  
V 19105 Cuba (Sancti Spiritus) 5607
- I *Psychotria moonii* (Thwaites) Hook.f. 10252  
I 16162 Sri Lanka 10252
- V *Psychotria morii* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria mumfordiana* F. Brown  
V French Polynesia - Marquesas Is
- R *Psychotria myrstiphyllum* Sw. 20883  
R 20883 Jamaica 20883
- V *Psychotria nebulosa* (Dwyer) C.M. Taylor 21286  
V 16317 Panama 21286
- I *Psychotria nicobarica* Kurz 7771  
I India - Nicobar Is. (Katchal Is.) 7771
- V *Psychotria nubiphila* Dwyer 20883, 9006  
V 16317 Panama 20883
- R *Psychotria officinalis* Sandw. 20883  
R 20883 Panama 20883
- E *Psychotria olgae* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- R *Psychotria orchidearum* Standl. 20883  
I 20883 Panama 20883
- R *Psychotria orchidearum* Standl. ssp. *orchidearum* 20883  
V 20883 Panama 20883
- R *Psychotria orchidearum* Dwyer ssp. *persedens*  
Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Psychotria oreodoxa* L.O. Williams 9004  
I 19802 Guatemala 9004
- E *Psychotria oresbia* Dwyer 20883, 9006  
I 20883 Panama 20883
- I *Psychotria orogenes* L.O. Williams 9004  
I 19802 Guatemala 9004
- V *Psychotria ostaurea* Dwyer & Hayden 20883, 9006, 21221  
V 16317 Panama 20883
- R *Psychotria pachecoana* Standley & Steyerf. 9004  
R 19802 Guatemala 9004
- V *Psychotria panamensis* Standl. 20883  
I 20883 Panama 20883
- I *Psychotria pandurata* Verdc. 5926  
I 5926 Tanzania (Usambara and Uluguru mountains) 5926
- R *Psychotria pedunculata* var. *caudata*  
Adams 20883  
R 20883 Jamaica 20883
- I *Psychotria pendula* Hook. F. 14782  
I 14782 India - Andaman Is. (S. Andaman Is.) 7771
- R *Psychotria pervillei* Baker 14296  
R 19182 Seychelles (Mahé, Praslin, Silhouette) 14296  
Ex/E 19182 Seychelles - Coralline Is. (Aldabra) 14296
- V *Psychotria petiti* Verdc. 6073  
V 20057 Kenya (Teita district) 7959
- R *Psychotria pittieri* Standl. 20883  
I 20883 Panama 20883
- E *Psychotria pittieri* Dwyer ssp. *oinochrophylla*  
Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Psychotria pittieri* Standl. ssp. *pittieri* 20883  
R 20883 Panama 20883
- E *Psychotria pleeana* Urban 19001  
E 19001 Martinique 19001  
E 19001 St Lucia 19001
- R *Psychotria plicata* Urb. 20883, 13336  
R 13336 Jamaica 20883
- I *Psychotria plurivenia* Thwaites 10252  
I 16162 Sri Lanka 10252
- R *Psychotria polyanthi* Pitarđ 6057  
R Vietnam 6057
- I *Psychotria polyneura* Kurz var. *longipetiolata*  
King 7771  
I India - Andaman Is. 7771
- R *Psychotria pseudoplatyphylla* Petit 20057  
R 20057 Kenya (Taita hills) 20057  
R 20057 Tanzania (Mt. Meru; Mt. Kilimanjaro) 17435
- V *Psychotria pumilioarpa* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria purdiaei* Urb. 20883  
V 20883 Jamaica 20883
- I *Psychotria pyramidata* Elm. 13833

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Psychotria*

- I 13833 Philippines 13833
- V *Psychotria quadrangulata* Dwyer 20883, 9006  
V 16317 Panama 20883
- R *Psychotria racemosa* (Aubl.) Raeusch. 20883  
R 20883 Panama 20883
- I *Psychotria repens* Elm. 13833  
I 13833 Philippines 13833
- E *Psychotria rivularis* Urban 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V *Psychotria roseocrema* (Dwyer) C.M. Taylor 21286  
V 16317 Panama 21286
- E *Psychotria rosulatifolia* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Psychotria sanfelicensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria santaritensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- I *Psychotria sclerocarpa* Whistler 9147  
I Western Samoa (Savaii; ? Upolu) 9147
- V *Psychotria siccocubra* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Psychotria silhouettae* F. Friedmann 14981  
E 14981 Seychelles (Silhouette) 14981
- I *Psychotria siphonophora* Urb. 20883, 13336  
I 19890 Jamaica (Trelawny) 20883
- I *Psychotria stenophylla* (Thwaites) Hook.f. 10252  
I 16162 Sri Lanka 10252
- I *Psychotria steyermarkii* Standley 9004  
I 19802 Guatemala 9004
- R *Psychotria subcordata* Britton 20883, 13336  
R 13336 Jamaica (St. Thomas) 20883
- R *Psychotria submontana* Domin 20681  
R 20681 Australia - Queensland 20681
- V *Psychotria subvelutina* Ekman & Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- V *Psychotria taitensis* Verdc. 6073  
V 20057 Kenya (Teita district) 7959
- E *Psychotria taupotinii* F. Brown 9006  
E French Polynesia - Marquesas Is 9006
- V *Psychotria taurina* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria torrei* Acuna & Roig 5607  
V 19105 Cuba (Guantanamo) 5607
- E *Psychotria toviriana* F. Brown  
E French Polynesia - Marquesas Is
- V *Psychotria tutensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- Ex/E *Psychotria tylophora* Kurz 11494  
Ex/E 11494 India - Nicobar Is. 11494
- V *Psychotria umbelliformis* Dwyer & Hayden 20883, 9006  
I 20883 Panama 20883
- V *Psychotria vallensis* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Psychotria veraguensis* Dwyer 20883, 9006  
V 16317 Panama 20883
- V *Psychotria wilburiana* Dwyer 20883, 9006  
V 16317 Panama 20883
- I *Psychotria wulschlaegelii* Urb. 20883, 13336
- I 13336 Jamaica 20883
- E *Psychotria xerococcoides* Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Psydrax paradoxa* (Viroi) Comb. Ined. 20893  
V 20893 New Caledonia 20893
- I *Pubistylus andamanensis* Thoth. 7771  
I India - Andaman Is. 7771
- R *Pyrostria commersonii* J.F. Gmelin 10082  
R 14220 Réunion 10082
- V *Pyrostria cordifolia* A. Rich. ex DC. var. *cordifolia* 10082  
V 20771 Mauritius 10082
- V *Pyrostria cordifolia* A. Rich. ex DC. var. *polymorpha* (A. Rich. ex DC.) Verdc. 10082  
V 20771 Mauritius 10082
- V *Pyrostria fasciculata* Bojer ex Baker 10082  
V Mauritius 10082
- Ex *Pyrostria ferruginea* Verdc. 10082  
Ex 20771 Mauritius 10082
- E *Pyrostria macrophylla* A. Rich. ex DC. var. *grandistipula* Verdc. 10082  
E 20771 Mauritius 10082
- R *Pyrostria macrophylla* A. Rich. ex DC. var. *macrophylla* 10082  
R 20771 Mauritius 10082
- R *Pyrostria viburnoides* (Baker) Verdc. 10082  
R 20771 Mauritius 10082
- Ex *Ramosmania heterophylla* (Balf.f.) Tirvengadam & Verdc. 10082  
Ex 15079 Mauritius - Rodrigues 5852
- E *Ramosmania rodriguesii* Tirvengadam 15079  
E 15079 Mauritius - Rodrigues 15079
- V *Randia aculeata* (Spreng.) Adams var. *jamaicensis* (Spreng.) C.D. Adams 20883, 15911  
V 20883 Jamaica (St. Andrew, Clarendon) 20883
- E *Randia acunae* Borh. 5607  
E 19105 Cuba (Camaguey) 5607
- V *Randia armata* var. *ferox* (Schum.) Bernardi 20883  
V 20883 Paraguay 20883
- R *Randia armata* var. *pubescens* (H.B.K.) R. Knuth. 20883  
I 20883 Brazil 20883  
R 20883 Paraguay 20883
- R *Randia audasii* C.White 20681  
R 20681 Australia - Queensland 20681
- V *Randia megalocarpa* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Randia moorei* F.Muell. ex Benth. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Randia portoricensis* (Urban) Britt. & Standl. 20883, 10197  
I 20883 Puerto Rico 20883
- I *Randia standleyana* L.O. Williams 9004  
I 19802 Guatemala 9004
- R *Randia stipulosa* C. Moore & F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Raritebe blumii* (Dwyer) Dwyer 20883, 9006



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Raritebe*

- I 20883 Panama 20883
- V *Raritebe darienensis* (Dwyer) Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Raritebe euryphyllum* (Standl.) Dwyer 20883, 9006  
I 20883 Panama 20883
- R *Raritebe panamensis* (Dwyer) Dwyer 20883, 9006  
I 20883 Panama 20883
- V *Raritebe trifoliatum* (Dwyer & Hayden) Dwyer 20883, 9006  
I 20883 Panama 20883
- E *Raritebe victoriae* (Dwyer) Dwyer 20883, 9006  
I 20883 Panama 20883
- E *Remijia chelomaphylla* G.A. Sullivan 18200  
E 19542 Peru 18200
- I *Rhipidantha chlorantha* (K. Schum.) Bremek. 5926  
I 5926 Tanzania 5926
- E *Richardia arenicola* (B. & W.) W. Lewis & R. Oliver 5607  
E 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- E *Richardia ciliata* (B. & W.) W. Lewis & R. Oliver 5607  
E 19105 Cuba (Juventud Is.) 5607
- V *Richardia lomensis* (Krause) Standley 18200  
V 9446 Peru 18200
- V *Robynsia glabrata* Hutch. 20274  
V 20858 Côte d'Ivoire 7926  
V 20858 Ghana 20274  
V 20858 Nigeria (south) 7926
- R *Rondeletia adamsii* Proctor 20883, 13336  
R 13336 Jamaica (Clarendon, Trelawny) 20883
- I *Rondeletia aetheocalymna* J.D. Smith 9004  
I 19802 Guatemala 9004
- V *Rondeletia amplexicaulis* Urb. 20883, 13336  
V 13336 Jamaica (Trelawny) 20883
- E *Rondeletia apiculata* Urban 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- R *Rondeletia aspera* Standley 9037  
R 19803 Costa Rica 9037
- V *Rondeletia bertieroides* Standl. 20883, 10747  
I 20883 Panama 20883
- E *Rondeletia bicolor* Britton 5607  
E 19105 Cuba (Sancti Spiritus) 5607
- V *Rondeletia brachyphylla* Proctor 20883, 15911  
V 13336 Jamaica 20883
- R *Rondeletia brachystantha* Standley & Steyererm. 9004  
I 19802 Guatemala 9004  
R 9989 Mexico 9004
- Ex *Rondeletia brandegeana* Lorence 21277  
Ex 21277 Mexico - Chiapas 21277
- E *Rondeletia buddleioides* Benth var. *aspera* Kirkbride 20883, 9006  
R 19803 Panama 20883
- R *Rondeletia buddleioides* Benth. var. *buddleioides* 20883  
V 20883 Panama 20883
- R *Rondeletia calycosa* J.D. Smith 9037  
R 19803 Costa Rica 9037
- V *Rondeletia chinajensis* Standley & Steyererm. 9004  
V 19802 Guatemala 9004
- E *Rondeletia cincta* Griseb. 20883, 13336  
E 20883 Jamaica (Hanover, Dolphin Head) 20883
- E *Rondeletia clarendonensis* Britton 20883, 13336  
E 20883 Jamaica 20883
- V *Rondeletia cooperi* Standl. 20883, 9006  
I 20883 Costa Rica 20883  
V 16317 Panama 20883
- V *Rondeletia cordovana* Standley & Steyererm. 9004  
V 19802 Guatemala 9004
- V *Rondeletia cymulosa* Proctor 20883, 13336  
V 13336 Jamaica (Trelawny) 20883
- I *Rondeletia daphnoides* Griseb. 20883, 13336  
I 13336 Jamaica (St. Ann) 20883
- E *Rondeletia darcyi* Dwyer 20883, 9006  
I 19803 Panama 20883
- V *Rondeletia darienensis* Standl. 20883, 9006  
V 16317 Panama 20883
- V *Rondeletia diplocalyx* Urban 5607  
V 19105 Cuba (Santiago de Cuba; Holguin) 5607
- E *Rondeletia dolphinensis* Proctor 20883, 13336  
E 13336 Jamaica 20883
- I *Rondeletia domatiata* 15229  
I 15229 Haiti (La Visite & Macaya National Parks) 15229
- V *Rondeletia ekmanii* Britton & Standl. 5607  
V 19105 Cuba (Granma; Santiago de Cuba) 5607
- V *Rondeletia elegans* Britton 20883  
V 20883 Jamaica 20883
- E *Rondeletia gamboana* Urban 5607  
E 19105 Cuba (Las Tunas, Granma) 5607
- R *Rondeletia glauca* Griseb. 20883  
R 20883 Jamaica 20883
- V *Rondeletia hamelifolia* Dwyer & Hayden 20883, 9006  
R 19803 Panama 20883
- R *Rondeletia harrisii* Urb. 20883  
R 20883 Jamaica 20883
- R *Rondeletia hirsuta* Sw. 20883  
R 20883 Jamaica 20883
- R *Rondeletia hirta* Sw. 20883  
R 20883 Jamaica 20883
- R *Rondeletia impressa* Krug & Urb. 20883, 13336  
R 13336 Jamaica 20883
- E *Rondeletia incana* Sw. 20883, 13336  
E 13336 Jamaica (Manchester) 20883
- I *Rondeletia izabalensis* Standley & Steyererm. 9004  
I 19802 Guatemala 9004
- E *Rondeletia jamaicensis* Proctor 20883, 13336  
E 13336 Jamaica (St. Ann) 20883
- V *Rondeletia kirkbridei* Dwyer 20883, 9006  
V 16317 Panama 20883
- E *Rondeletia leonis* Britton 5607  
E 19105 Cuba 5607
- R *Rondeletia ligulata* Urb. 20883, 13336  
R 13336 Jamaica 20883
- V *Rondeletia linguiformis* Hemsley 9004  
V 19802 Guatemala 9004
- V *Rondeletia macrocalyx* Standley & Steyererm. 9004  
V 19802 Guatemala 9004

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Rondeletia*

- R** *Rondeletia martinicensis* Krug & Urban 19001  
**R** 19001 Martinique 19001
- V** *Rondeletia micarensis* Urban 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- E** *Rondeletia monantha* Urban & Ekman 5607  
**E** 19105 Cuba (Sancti Spiritus) 5607
- I** *Rondeletia myriantha* Standley & Steyerem. var. *armentalis* L.O. Williams 9004  
**I** 19802 Guatemala 9004
- E** *Rondeletia nemoralis* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- E** *Rondeletia odorata* Hook. var. *breviflora*  
**Hooker** 20883, 9006  
**E** 20883 Panama 20883
- R** *Rondeletia pallida* Britton 20883  
**R** 20883 Jamaica 20883
- V** *Rondeletia panamensis* DC. 20883  
**V** 20883 Panama 20883
- V** *Rondeletia pansamalana* Standley 9004  
**V** 19802 Guatemala 9004
- R** *Rondeletia parviflora* Poirlet 19001  
**R** 19001 Dominica 19001  
**R** 19001 Guadeloupe 19001  
**R** 19001 Martinique 19001
- V** *Rondeletia paucinervis* Urban & Ekman 5607  
**V** 19105 Cuba (Santiago de Cuba; Holguin) 5607
- I** *Rondeletia petiolata* Proctor 20883, 13336  
**I** 13336 Jamaica 20883
- V** *Rondeletia platysepala* Standl. 20883, 9006  
**V** 16317 Panama 20883
- R** *Rondeletia portlandensis* Proctor 20883, 13336  
**R** 13336 Jamaica (Portland) 20883
- R** *Rondeletia portoricensis* Krug & Urban 20883  
**I** 20883 Puerto Rico 20883
- V** *Rondeletia pycnophylla* Urban 5607  
**V** 19105 Cuba (Santiago de Cuba; Holguin) 5607
- R** *Rondeletia racemosa* Sw. 20883  
**R** 20883 Jamaica 20883
- I** *Rondeletia rubens* L.O. Williams 9004  
**I** 19802 Guatemala 9004
- E** *Rondeletia rugelii* Urban 5607  
**E** 19105 Cuba (Matanzas) 5607
- E** *Rondeletia salicifolia* Dwyer & Hayden ssp. *brevicolla* Kirkbride 20883, 9006  
**R** 19803 Panama 20883
- V** *Rondeletia salicifolia* Dwyer & Hayden var. *salicifolia* 20883  
**I** 20883 Panama 20883
- E** *Rondeletia saxicola* Britton 20883, 13336  
**E** 13336 Jamaica (Clarendon, Manchester) 20883
- V** *Rondeletia secunda* Standl. 20883, 9006  
**R** 19803 Panama 20883
- I** *Rondeletia secundiflora* Robinson 9004  
**I** 19802 Guatemala 9004
- R** *Rondeletia seleriana* Loes. 9004  
**R** 19802 Guatemala 9004
- R** *Rondeletia skutchii* Standley & Steyerem. 9004  
**R** 19802 Guatemala 9004
- V** *Rondeletia subsessilifolia* Proctor 20883, 13336  
**V** 13336 Jamaica (Portland) 20883
- R** *Rondeletia sylvestris* S. Moore 20883  
**R** 20883 Jamaica 20883
- V** *Rondeletia umbellulata* Sw. 20883, 13336  
**V** 13336 Jamaica (Westmoreland, St. James) 20883
- R** *Rondeletia zolleriana* Standley & Steyerem. 9004  
**R** 19802 Guatemala 9004
- E** *Rothmannia annae* (E. Wright) Keay 14296  
**E** 14981 Seychelles (Arde Is.) 10678
- I** *Rubia cretacea* Pojark. 5942  
**I** 5942 Kazakhstan (north-east of Caspian Sea) 5942
- R** *Rubia davisiana* Ehrend. 12840  
**R** 12840 Turkey 12840
- V** *Rubia edgeworthii* Hook.f. 13883  
**V** 13883 India (Western Himalayas) 13883
- V** *Rubia himalayensis* Klotzsch 13883  
**V** 13883 Afghanistan 13883  
**V** 13883 India - Jammu & Kashmir 13883  
**V** 13883 Pakistan 13883
- I** *Rubia laevissima* Tscherneva 5942  
**I** 5942 Kazakhstan (south) 5942  
**I** 5942 Kyrgyzstan (north-west) 5942  
**I** 5942 Uzbekistan (east - border with Kyrgystan) 5942
- Ex/E** *Rubia reznitzenkoana* Litv. 5942  
**Ex/E** 5942 Kazakhstan (east) 5942
- V** *Rudgea amplexicaulis* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Rudgea chiriquiensis* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Rudgea coronicarpa* Dwyer 9006  
**V** 16317 Panama 9006
- R** *Rudgea discolor* Benth. 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- E** *Rudgea isthmensis* Standl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Rudgea parquioides* (Cham.) Muell.-Arg. 20883  
**I** 20883 Argentina 20883  
**I** 20883 Brazil 20883  
**R** 20883 Paraguay 20883
- R** *Rudgea pittieri* Standl. 20883  
**V** 20883 Panama 20883
- V** *Rudgea simiarum* Standley & Steyerem. 9004  
**V** 19802 Guatemala 9004
- R** *Rustia occidentalis* (Benth.) Hemsl. 20883  
**V** 20883 Panama 20883
- V** *Rustia panamensis* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- V** *Rytigynia induta* (Bullock) Verdc. & Bridson 20057  
**V** 20057 Kenya 20057  
**V** 20057 Tanzania (Loliondo, Kondo, Mt. Ufiomi) 17435
- V** *Rytigynia longipedicellata* Verdcourt 20885  
**V** 20885 Tanzania 20885
- V** *Rytigynia mrimaensis* Verdc. 20057  
**V** 20057 Kenya (Mrima hill, Watamu & Gedi forest) 20057
- R** *Rytigynia parvifolia* Verdc. 20057  
**R** 20057 Kenya 20057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Rytigynia*

- I** *Sabicea caminata* Halle  
**I** Gabon (Belinga & Makokou)
- R** *Sabicea hirta* Sw. 20883  
**R** 20883 Jamaica 20883
- E** *Sabicea stellaris* Dwyer 20883, 9006  
**I** 20883 Panama 20883
- R** *Sabicea villosa* var. *adpressa* (Wernh.)  
 Standl. 20883  
**V** 20883 Panama 20883
- R** *Saprosma cochinchinensis* Pitard 6057  
**R** Vietnam 6057
- I** *Saprosma fragrans* Beddome  
**I** India - Kerala (Malabar)  
**I** India - Tamil Nadu
- I** *Saprosma scabridum* (Thwaites) Beddome 10252  
**I** 16162 Sri Lanka 10252
- V** *Schmidtottia cucullata* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- E** *Schmidtottia marmorata* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- V** *Schmidtottia monticola* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Schmidtottia parvifolia* Alain 5607  
**V** 19105 Cuba (Guantanamo) 5607
- V** *Schmidtottia scabra* Borh. & Acuna 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Schmidtottia sessilifolia* (Britton) Urban 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Schumanniohyton problematicum* (A.Chev.)  
 Aubrev. 20274  
 ? Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
 ? Sierra Leone 7926
- V** *Scolosanthus acunae* Borh. & Muniz 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- E** *Scolosanthus granulatus* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- V** *Scolosanthus hirsutus* Borh. 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Scolosanthus hispidus* Borh. & Muniz 5607  
**R** 19105 Cuba (Guantanamo) 5607
- E** *Scolosanthus howardii* Borhidi 13336  
**E** 13336 Jamaica 13336
- E** *Scolosanthus moanus* Borh. & Muniz 5607  
**E** 19105 Cuba (Holguin) 5607
- V** *Scolosanthus reticulatus* Borh. 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Scolosanthus strictus* Urban 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Scolosanthus wrightianus* (Griseb.) C. Wright  
**E** 19105 Cuba 19105
- E** *Scyphochlamys revoluta* Balf.f. 10082  
**E** 5852 Mauritius - Rodrigues 5852
- E** *Scyphostachys pedunculatus* Thwaites 10252  
**E** 12838 Sri Lanka 10252
- R** *Sericanthe pellegrini* (Halle) Robbrecht  
**R** Gabon
- R** *Sericanthe testui* (Halle) Robbrecht var.  
*pseudosalacia* (Halle) Robbrecht
- R** Gabon
- E** *Sericanthe toupetou* (aubrev. & Pellegrin) E.  
 Robbrecht 10260  
**E** 20858 Côte d'Ivoire 20858  
**E** 20858 Ghana 15970
- V** *Shaferocharis cubensis* Urban 5607  
**V** 19105 Cuba (Holguin) 5607
- V** *Shaferocharis multiflora* Bohr. & Muniz 5607  
**V** 19105 Cuba (Holguin; Guantanamo) 5607
- V** *Shaferocharis villosa* Bohr. & Bisse 5607  
**V** 19105 Cuba (Guantanamo) 5607
- I** *Sherbournea kiliotricha* Halle  
**I** Gabon (Belinga)
- I** *Sherbournea myosura* Halle  
**I** Gabon (Lastoursville)
- V** *Simira darienensis* Dwyer 20883, 9006  
**V** 16317 Panama 20883
- V** *Simira maxonii* (Standl.) Steyererm. 20883  
**V** 20883 Costa Rica 20883  
**V** 20883 Panama 20883
- I** *Sommeria guatemalensis* Standley 9004  
**I** 19802 Guatemala 9004
- I** *Spermacoce azurea* Verdc. 5926  
**I** 5926 Tanzania 5926
- E** *Spermacoce exasperata* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- I** *Spermacoce milnei* Verdc. 5926  
**I** 5926 Tanzania 5926
- I** *Spermacoce oligantha* Urban 5607  
**I** 19105 Cuba (Santiago de Cuba) 5607
- I** *Spermacoce taylorii* Verdc. 5926  
**I** 5926 Tanzania 5926
- R** *Sphinctanthus hasslerianus* Chodat 20883  
**R** 20883 Paraguay 20883
- E** *Stachyarrhena dichroa* Standl. 20883, 9006  
**I** 20883 Panama 20883
- E** *Steyermarkia guatemalensis* Standley 9004  
**E** 19803 Guatemala 9004
- I** *Tapiphyllum cinerascens* (Hiern) Robyns 7959  
**I** 5926 Tanzania 5926
- I** *Tapiphyllum obtusifolium* (K. Schum.) Robyns 5926  
**I** 5926 Tanzania 5926
- V** *Tapiphyllum schliebenii* Verdc. 20556  
**V** 20885 Tanzania (Lindi region) 20556
- V** *Tarenna agumbensis* Sundararaghaven 13883  
**V** 13883 India - Karnataka 13883
- R** *Tarenna annamensis* Pitard 6057  
**R** Vietnam 6057
- R** *Tarenna baviensis* (Drake) Pitard 6057  
**R** Vietnam 6057
- I** *Tarenna calcarea* Ridley  
**I** Malaysia - Peninsular Malaysia (Perak)
- R** *Tarenna cymosa* (Willd. ex Roem. & Schultes)  
 Verdc. 10082  
**R** 20771 Mauritius 10082
- R** *Tarenna kibuwae* Bridson 20057  
**R** 20057 Kenya (Garissa) 20057
- R** *Tarenna pulchra* (Ridl.) Ridl. 19209

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rubiaceae: *Tarenna*

- R Malaysia - Peninsular Malaysia (Pahang, Selangor/Wilayah Persekutuan) 19209
- E *Tarenna vignei* Hutch. & Dalz. var. *vignei* 7926  
E 6072 Ghana (Amentia) 7926
- V *Temnopteryx sericea* Hook.f.  
V Gabon
- I *Timonius ferrugineus* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- R *Timonius jambosella* (Gaertn.) Thwaites 12838  
R 12838 Sri Lanka 12838
- I *Timonius palawanensis* Elm. 13833  
I 13833 Philippines (low altitude) 13833
- V *Timonius sechellensis* Summerh. 14296  
V 19182 Seychelles (granitic) 14296
- E *Tocoyena formosa* (Cham. & Schlecht) K. Schum. 20883  
E 20883 Paraguay 20883
- E *Tricalysia africana* (Sim) Robbr. 20604  
E 20604 South Africa - Cape Province 20604
- R *Tricalysia bridsoniana* Robyns var. *bridsoniana* 20057  
R 20057 Kenya 20057
- R *Tricalysia concolor* Halle  
R Gabon (Belinga)
- I *Tricalysia coriacea* (Benth.) Hiern ssp. *angustifolia* (Garcia) Robbrecht 20932  
I 20932 Malawi (Mt. Mulanje) 20932  
I 20932 Mozambique (Zimbabwe border) 20932  
I 20932 Zimbabwe 20932
- V *Tricalysia erythrospora* (Thwaites) Alston 10252  
V 12838 Sri Lanka 10252
- I *Tricalysia obstetrix* Halle  
I Gabon (Belinga)
- I *Tricalysia pangolina* Halle 7927  
I Gabon (Nzoumou) 7927
- I *Tricalysia potamogala* Halle 7927  
I 7927 Gabon (Minvoul) 7927
- I *Tricalysia sessilis* (Elm.) Merr. 13833  
I 13833 Philippines (Iwahig River) 13833
- I *Tricalysia soyauxii* Schumann var. *pedunculosa* Halle  
I Gabon
- I *Tricalysia soyauxii* Schumann var. *pilosula* Halle  
I Gabon
- R *Uncaria donisii* E. Petit  
R Gabon
- I *Uncaria glavascens* Craib 19120  
I 19120 Thailand 19120
- I *Uncaria quadrangularis* Geddes 19120  
I 19120 Thailand 19120
- R *Uncaria thwaitesii* (Hook.f.) Alston 12838  
R 12838 Sri Lanka 12838
- I *Urophyllum aequale* Craib 19120  
I 19120 Thailand 19120
- I *Urophyllum andamanicum* King & Gamble 7771  
I India - Andaman Is. (S. Andamans) 7771
- R *Urophyllum argenteum* Pitard 6057  
R Vietnam 6057

- I *Urophyllum crassum* Craib 19120  
I 19120 Thailand 19120
- R *Urophyllum ellipticum* (Wight) Thwaites 12838  
R 12838 Sri Lanka 12838
- I *Urophyllum elliptifolium* Merr. 13833  
I 13833 Philippines (Mt. Pulgar) 13833
- E *Urophyllum longipes* Craib 19120  
E 19120 Thailand 19120
- I *Urophyllum talangense* Craib 19120  
E 19120 Thailand 19120
- R *Urophyllum tonkinense* Pitard 6057  
R Vietnam 6057
- R *Valantia calva* Brullo 18264  
R 18264 Italy - Sicily 18264
- R *Valantia deltoidea* Brullo 18264  
R 18264 Italy - Sicily 18264
- I *Virectaria salicoides* (C.H. Wright) Brem. 7927  
I Gabon (Monts de Cristal) 7927
- E *Virectaria tenella* J. Hall 6072  
E 6072 Ghana (Amedzofe) 6072
- E *Wendlandia andamanica* Cowan 11494  
E 11494 India - Andaman Is. (Port Blair, Andaman I.) 11494
- Ex *Wendlandia angustifolia* Wight 11494  
Ex 11494 India - Tamil Nadu (Courtallum & Tirunelveli) 11494
- R *Wendlandia basistaminea* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- R *Wendlandia connata* C.White 20681  
R 20681 Australia - Queensland 20681
- I *Wendlandia lawii* Hook.f.  
I India - Karnataka (Mysore)
- R *Xanthophytopsis balansae* Pitard 6057  
R Vietnam 6057
- R *Xantonneopsis robinsonii* Pitard 6057  
I 20985 Vietnam 6057

Rutaceae

Number of genera:	150
Number of species:	1,500
Recorded threatened species:	382 (25%)

Nearly cosmopolitan, especially South Africa and Australia.

- R *Acmadenia alternifolia* Cham. 20604  
R 20604 South Africa - Cape Province 20604
- R *Acmadenia argillophila* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Acmadenia baileyensis* I.Williams 20604  
Ex 20604 South Africa - Cape Province 20604
- Ex *Acmadenia candida* I.Williams 20604, 10260  
Ex 20604 South Africa - Cape Province 20604
- V *Acmadenia gracilis* Dummer 20604  
V 20604 South Africa - Cape Province 20604
- V *Acmadenia laxa* I.Williams 20604  
V 20604 South Africa - Cape Province 20604
- R *Acmadenia macradenia* (Sond.) Dummer 20604  
R 20604 South Africa - Cape Province 20604
- I *Acmadenia macropetala* (P.E.Glover) Compton 20604  
I 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Acmadenia*

- V** *Acmadenia maculata* I.Williams 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Acmadenia matroosbergensis* E.Phillips 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Acmadenia nivea* I.Williams 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Acmadenia niveni* Sond. 20803  
**R** 20803 South Africa - Cape Province 20803
- V** *Acmadenia rupicola* I.Williams 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Acmadenia tenax* I.Williams 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Acmadenia tetragona* (L.f.) Bartl. & H.L.Wendl. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Acradenia frankliniae* Kippist 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Acronychia aberrans* T.Hartley 20681, 7896  
**R** 20681 Australia - Queensland 20681
- R** *Acronychia acuminata* T.Hartley 20681, 7896  
**R** 20681 Australia - Queensland 7896
- R** *Acronychia baeuerlenii* T.Hartley 20681, 7896  
**I** 20681 Australia - New South Wales 7896  
**I** 20681 Australia - Queensland 7896
- R** *Acronychia chooreechillum* (Bailey) C.White 20681, 7896  
**R** 20681 Australia - Queensland 20681
- R** *Acronychia crassipetala* T.Hartley 20681, 7896  
**R** 20681 Australia - Queensland 7896
- R** *Acronychia eungellensis* T.Hartley & B.Hyland 20681  
**R** 20681 Australia - Queensland 7896
- R** *Acronychia heterophylla* A.Gray 7925  
**R** U.S. - American Samoa (Tutuila) 7925
- E** *Acronychia littoralis* T.Hartley & J.Williams 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Adenandra dahlgrenii* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Adenandra gracilis* Eckl. & Zeyh. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Adenandra marginata* (L.f.) Roem. & Schult. ssp. *mucronata* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Adenandra multiflora* Strid 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Adenandra odoratissima* Strid ssp. *odoratissima* 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Adenandra odoratissima* Strid ssp. *tenuis* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Adenandra schlechteri* Dummer 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Adenandra villosa* (P.J.Bergius) Licht. ex Roem. & Schult. ssp. *apiculata* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Adenandra villosa* (P.J.Bergius) Licht. ex Roem. & Schult. ssp. *imbricata* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Adenandra villosa* (P.J.Bergius) Licht. ex Roem. & Schult. ssp. *pedicellata* Strid 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Adenandra villosa* (P.J.Bergius) Licht. ex Roem. & Schult. ssp. *robusta* Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Agathosma abrupta* Pillans 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Agathosma adnata* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma affinis* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma bicolor* Dummer 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma capitata* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Agathosma cephalodes* E.Mey. ex Sond. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Agathosma concava* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma conferta* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma cordifolia* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Agathosma corymbosa* (Montin) G.Don 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Agathosma dentata* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma distans* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma dregeana* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Agathosma elata* Sond. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Agathosma eriantha* (Steud.) Steud. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Agathosma florida* Sond. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma foleyana* Dummer 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Agathosma glabrata* Bartl. & H.L.Wendl. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Agathosma glandulosa* (Thunb.) Sond. 20604  
**V** 20604 South Africa - Cape Province 20604
- I** *Agathosma gnidiiflora* Dummer 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Agathosma involucreta* Eckl. & Zeyh. 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Agathosma marifolia* Eckl. & Zeyh. 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Agathosma minuta* Schtdl. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Agathosma namaquensis* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Agathosma orbicularis* (Thunb.) Bartl. & H.L.Wendl. 20604, 10260  
**E** 20604 South Africa - Cape Province 20604
- I** *Agathosma pallens* Pillans 20604  
**I** 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Agathosma*

- R** *Agathosma phillipsii* Dummer 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma pulchella* (L.) Link 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma salina* Eckl. & Zeyh. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma sedifolia* Schtdl. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Agathosma spinosa* Sond. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Agathosma stenosepala* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma stokoei* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Agathosma subteretifolia* Pillans 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Agathosma thymifolia* Schtdl. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma umbonata* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma unincarpellata* (Fourc.) Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Agathosma zwartbergense* Pillans 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Amyris polymorpha* Urban 5607  
**V** 19105 Cuba (Granma) 5607
- V** *Asterolasia drummondii* Paul G. Wilson 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Asterolasia elegans* L.McDougall & M.F.Porteners 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Asterolasia grandiflora* (Hook.) Benth. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Asterolasia hexapetala* (Juss.f.) Druce 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Asterolasia muricata* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- V** *Asterolasia nivea* (Paul G. Wilson) Paul G. Wilson 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Asterolasia phebalioides* F.Muell. 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- I** *Atalantia missionis* (Wight) Oliver  
**I** India - Andhra Pradesh (Cuddapah)  
**I** India - Kerala (Quilon)  
**I** India - Tamil Nadu
- E** *Balfourodendron riedelianum* Engl. 10370  
**E** 10370 Argentina (Selva Misionera) 13928  
**E** 10370 Brazil - Parana 10370  
**E** 10370 Brazil - Rio Grande do Sul 10370  
**E** 10370 Brazil - Santa Catarina 10370  
**E** 10370 Brazil - Sao Paulo 13928  
**E** 10370 Paraguay (north & central) 13928
- R** *Balsamocitrus camerunensis* Letouzey  
**R** Cameroon
- V** *Boninia crassifolia* Nakai 8037  
**V** 19134 Japan - Ogasawara-shoto (Chichijima) 8037
- R** *Boninia glabra* Planchon 8037  
**R** 19134 Japan - Ogasawara-shoto 8037
- V** *Boronella koniamboensis* (Däniker) T.G.Hartley 20893  
**V** 20893 New Caledonia 20893
- V** *Boronia adamsiana* F.Muell. 20681, 320  
**V** 20681 Australia - Western Australia 20681
- R** *Boronia amabilis* S.T.Blake 20681  
**R** 20681 Australia - Queensland 20681
- R** *Boronia chartaceae* P.Weston 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Boronia citrata* N.G.Walsh 20681  
**R** 20681 Australia - Victoria 20681
- V** *Boronia deanei* Maiden & Betche 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Boronia eriantha* Lindley 20681  
**R** 20681 Australia - Queensland 20681
- R** *Boronia fraseri* Hook. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Boronia galbraithiae* D.E.Albrecht 20681  
**R** 20681 Australia - Victoria 20681
- V** *Boronia graniitica* Maiden & Betche 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Boronia keysii* Domin 20681  
**V** 20681 Australia - Queensland 20681
- R** *Boronia latipinna* J.H.Willis 20681  
**R** 20681 Australia - Victoria 20681
- E** *Boronia repanda* (Maiden & Betche) Maiden & Betche 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Boronia revoluta* Paul G. Wilson 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Boronia rivularis* C.White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Boronia rubiginosa* Endl. 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Boronia serrulata* Smith 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Boronia subulifolia* Cheel 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Boronia tenuis* (Lindley) Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Boronia umbellata* P.Weston 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Bosistoa floydii* T.Hartley 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Burkillanthus malaccensis* (Ridley) Swingle 19006  
**K** 19006 Indonesia - Sumatra (Asahan) 19006  
**Ex** 19006 Malaysia - Peninsular Malaysia (Malacca) 19006  
**I** 19006 Malaysia - Sarawak (Bintulu) 19006
- V** *Choisya dumosa* (Torr.) Gray var. *mollis* (Standl.) L. Benson 20850  
**V** 20850 U.S. - Arizona 20850
- V** *Citropsis gabunensis* Swingle & Kellerman 10260  
**V** 20858 Tropical Africa (Guinea-wide) 20858  
**V** 20858 Ghana 15970
- V** *Citrus neo-caledonica* Guillaumin  
**V** New Caledonia

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Citrus*

- E** *Citrus oxanthera* Beauv.  
E New Caledonia
- R** *Citrus taiwanica* Tamaka & Limada 20854  
R 20854 Taiwan 20854
- I** *Clausena grandifolia* Merr. 13833  
I 13833 Philippines (Palawan) 13833
- V** *Cneoridium dumosum* (Nutt.) Hook. f. ex Baill. 20850  
I 20850 U.S. - California 20850
- R** *Coleonema virgatum* (Schldl.) Eckl. & Zeyh. 20604  
R 20604 South Africa - Cape Province 20604
- V** *Correa baeuerlenii* F.Muell. 20681  
V 20681 Australia - New South Wales 20681
- V** *Correa calycina* J.Black 20681  
V 20681 Australia - South Australia 20681
- R** *Dictamnus hispanicus* Webb ex Willk. 20171  
R 20692 Spain (central, south and east) 20692
- E** *Diosma aristata* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- V** *Diosma aspalathoides* Lam. 20604  
V 20604 South Africa - Cape Province 20604
- R** *Diosma awilana* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- V** *Diosma dichotoma* P.J.Bergius 20604  
V 20604 South Africa - Cape Province 20604
- Ex** *Diosma fallax* I.Williams 20604  
Ex 20604 South Africa - Cape Province 20604
- R** *Diosma haelkraalensis* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E** *Diosma parvula* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- R** *Diosma passerinoides* Steud. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Diosma strumosa* I.Williams 20604  
I 20604 South Africa - Cape Province 20604
- R** *Diosma tenella* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- R** *Diphasiopsis fadenii* Kokwaro 7959  
R 20057 Kenya 7959
- V** *Drummondita ericoides* Harv. 20681  
V 20681 Australia - Western Australia 20681
- V** *Drummondita hassellii* (F.Muell.) Paul G.Wilson var. *longifolia* Paul G.Wilson 20681  
V 20681 Australia - Western Australia 20681
- V** *Dutailleya amosensis* (Guillaumin) T.Hartley 20893  
V 20893 New Caledonia 20893
- R** *Empleurum fragrans* P.E.Glover 20604  
R 20604 South Africa - Cape Province 20604
- R** *Eriostemon ericifolius* Benth. 20681  
R 20681 Australia - New South Wales 20681
- Ex** *Eriostemon falcatus* Paul G.Wilson 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- R** *Eriostemon myoporoides* DC. ssp. *epilosus* Paul G.Wilson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Eriostemon obovalis* Cunn. 20681  
R 20681 Australia - New South Wales 20681
- V** *Eriostemon wonganensis* Paul G.Wilson 20681
- V** 20681 Australia - Western Australia 20681
- E** *Erythrochiton incomparabilis* Riley 20883  
I 20883 Panama 20883
- R** *Esenbeckia berlandieri* Baill. ssp. *acapulcensis* (Rose) Kaastra 20883  
R 20883 Mexico 20883
- V** *Esenbeckia collina* Brandegee 20883  
E 20883 Mexico 20883
- E** *Esenbeckia collina* Brandegee ssp. *collina* Brandegee 20883  
E 20883 Mexico 20883
- E** *Esenbeckia collina* Brandegee ssp. *conspecta* Kaastra 20883  
E 20883 Mexico 20883
- E** *Esenbeckia cornuta* Engler 20883  
I 20883 Peru 20883
- E** *Esenbeckia cowanii* Kaastra 20883, 8679  
E 20883 French Guiana 20883
- V** *Esenbeckia echinoidea* Standley & Steyermark 20883, 9004  
I 20883 Guatemala 20883
- E** *Esenbeckia feddema* Kaastra 20883  
E 20883 Mexico 20883
- V** *Esenbeckia grandiflora* ssp. *brevipetiolata* Kaastra 20883  
I 20883 Brazil 20883
- R** *Esenbeckia hieronymi* Engler 20883  
I 20883 Brazil 20883
- R** *Esenbeckia irwiniana* Kaastra 20883  
I 20883 Brazil 20883
- V** *Esenbeckia macrantha* Rose 20883  
I 20883 Mexico 20883
- V** *Esenbeckia nesiotica* Standley 20883  
I 20883 Mexico 20883
- V** *Esenbeckia oligantha* Kaastra 20883  
I 20883 Brazil 20883
- R** *Esenbeckia pentaphylla* ssp. *australensis* Kaastra 20883  
I 20883 Panama 20883  
I 20883 Colombia 20883
- R** *Esenbeckia pentaphylla* ssp. *pentaphylla* 20883  
I 20883 Jamaica 20883
- R** *Esenbeckia pilocarpoides* ssp. *maurioides* (Martius) Kaastra 20883  
I 20883 Brazil 20883
- E** *Esenbeckia scrotiformis* Kaastra 20883  
E 20883 Brazil 20883
- R** *Euchaetis avisylvana* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- R** *Euchaetis esterhuyseniae* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- R** *Euchaetis intonsa* I.Williams 20604  
R 20604 South Africa - Cape Province 20604
- E** *Euchaetis longicornis* I.Williams 20604  
E 20604 South Africa - Cape Province 20604
- I** *Euchaetis pungens* (Bartl. & H.L.Wendl.) I.Williams 20604  
I 20604 South Africa - Cape Province 20604
- E** *Euchaetis schlechteri* Schinz 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Euchaetis*

- R 20604 South Africa - Cape Province 20604
- R *Euchaetis tricarpetata* I.Williams 20604
- R 20604 South Africa - Cape Province 20604
- R *Euodia chapelieri* Baillon var. *chapelieri* 10082
- R 20771 Mauritius 10082
- E *Euodia chapelieri* Baillon var. *sessilis* Coode 10082
- E 20771 Mauritius 10082
- R *Euodia irifida* Coode 10082
- R 14233 Réunion 10082
- V *Euodia littoralis* Endl. 11649
- V 11649 Australia - Norfolk Is. (Mostly in Mount Pitt National Park.) 11649
- V *Euodia nishimurae* Koidz. 18128
- V 19134 Japan - Ogasawara-shoto 18128
- E *Euodia obtusifolia* DC. var. *brachypoda* Coode 10082
- E 20771 Mauritius 10082
- R *Euodia obtusifolia* DC. var. *cuneifolia* Coode 10082
- R 20771 Mauritius 10082
- R *Euodia obtusifolia* DC. var. *gigas* Vaughan ex Coode 10082
- R 20771 Mauritius 10082
- R *Euodia obtusifolia* DC. var. *inaequalis* Coode 10082
- R 14220 Réunion 10082
- R *Euodia obtusifolia* DC. var. *obtusifolia* 10082
- R 20771 Mauritius 10082
- R *Euodia pasteuriana* Chev. ex Guillaumin 6057
- R Vietnam 6057
- R *Euodia polybotrya* C. Moore & F. Muell. R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Euodia segregis* Cordem. 10082
- E 14233 Réunion 10082
- R *Euodia simplicifolia* Ridley 19006
- R 19006 Malaysia - Peninsular Malaysia 19006
- R *Euodia wagapensis* Guillaumin R New Caledonia
- I *Evodia arborea* Elm. 13833
- I 13833 Philippines (Palawan) 13833
- V *Evodia nishimurae* Koidz. 20626
- V 20626 Japan - Ogasawara-shoto 20626
- I *Evodia pulgarensis* Elm. 13833
- I 13833 Philippines (Mt. Pulgar) 13833
- I *Fagara curbeloi* (Alain) Kereszty 5607
- I Cuba (Las Tunas) 5607
- I *Fagara duplicipunctata* (C. Wright) Krug & Urban 5607
- I Cuba (Pinar del Rio) 5607
- V *Fagara externa* Skottsb. 19116
- V 19125 Chile - Juan Fernandez Is. 19116
- R *Fagara jamaicensis* (P. Wilson) Engl. 20883
- R 20883 Jamaica 20883
- E *Fagara mezoneurospinosa* Ake Assi 20887
- E 20887 Côte d'Ivoire 11631
- R *Fagara rhodoxylon* Urb. 20883
- R 20883 Jamaica 20883
- R *Flindersia brassii* T.Hartley & B.Hyland 20681
- R 20681 Australia - Queensland 20681
- R *Flindersia oppositifolia* (F.Muell.) T.Hartley & Jessup 20681
- R 20681 Australia - Queensland 20681
- R *Fortunella polyandra* (Ridley) Tanaka 19006
- R 19006 Malaysia - Peninsular Malaysia 19006
- Ex *Galipea ossana* DC. 5607
- Ex 19105 Cuba (Pinar del Rio; Prov.Habana) 5607
- E *Galipea panamensis* Elias 20883, 9006
- I 20883 Panama 20883
- R *Geijera salicifolia* Schott R New Caledonia
- R *Glycosmis collina* Stone 19006
- R Malaysia - Peninsular Malaysia
- R *Glycosmis crassifolia* Ridley 19006
- R 19006 Malaysia - Peninsular Malaysia 19006
- R *Glycosmis macrocarpa* Wight. 14782
- R 14782 India - Kerala 14782
- R 14782 India - Tamil Nadu 14782
- V *Glycosmis perakensis* Naray. 19006
- V 19006 Malaysia - Peninsular Malaysia (Perak & Taman Negara) 19006
- R *Glycosmis touranensis* Guillaumin 6057
- R Vietnam 6057
- R *Haplophyllum balcanicum* Vandas 5204, 20171
- R 5204 Bulgaria (south) 5204
- R Greece
- R *Haplophyllum boissieranum* Vis. & Pancic 20178, 20171
- R 20178 Albania 20178
- E 21091 Bosnia & Herzegovina 21091
- R (former) Yugoslavia
- R *Haplophyllum cappadocicum* Spach 12840
- R 12840 Turkey 12840
- R *Haplophyllum megalanthum* Bornm. 12840
- R 12840 Turkey 12840
- R *Haplophyllum pumiliforme* Huber-Mor. & Reese 12840
- R 12840 Turkey 12840
- R *Haplophyllum suaveolens* (DC.) G. Don var. *cilicicum* (Boiss.) C.C. Townsend 12840
- R 12840 Turkey 12840
- R *Haplophyllum vulcanicum* Boiss. & Heldr. 12840
- R 12840 Turkey 12840
- E *Helietta glaucescens* Urban 5607
- E 19105 Cuba (Santiago de Cuba) 5607
- R *Helietta mollis* (Miq.) Kastr. 20883
- R 20883 Brazil 20883
- R 20883 Paraguay 20883
- Ex *Kodalyodendron cubensis* Borh. & Acuna 5607
- Ex 19105 Cuba (Holguin) 5607
- R *Maclurodendron magnificum* T. Hartley 7895
- E 19006 Malaysia - Peninsular Malaysia (G. Ulu Kali, Pahang) 7895
- R *Macrostylis barbiger* (L.f.) Bartl. & H.L.Wendl. 20604
- R 20604 South Africa - Cape Province 20604
- R *Macrostylis cassioides* (Turcz.) I.Williams ssp. *cassioides* 20604
- R 20604 South Africa - Cape Province 20604
- R *Macrostylis cassioides* (Turcz.) I.Williams ssp.



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Macrostylis*

- dregeana* (Sond.) I. Williams 20604  
R 20604 South Africa - Cape Province 20604
- V *Macrostylis cauliflora* I. Williams 20604  
V 20604 South Africa - Cape Province 20604
- R *Macrostylis hirta* E. Mey. ex Sond. 20604  
R 20604 South Africa - Cape Province 20604
- R *Macrostylis ramulosa* I. Williams 20604  
R 20604 South Africa - Cape Province 20604
- E *Macrostylis villosa* (Thunb.) Sond. ssp. *minor*  
I. Williams 20604  
E 20604 South Africa - Cape Province 20604
- I *Macrostylis villosa* (Thunb.) Sond. ssp. *villosa* 20604  
I 20604 South Africa - Cape Province 20604
- E *Medicosma articulata* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma diversifolia* T. Hartley 20893  
E 20893 New Caledonia 20893
- V *Medicosma elliptica* T. Hartley 20681  
V 20681 Australia - Queensland 20681
- E *Medicosma exigua* T. Hartley 20893  
E 20893 New Caledonia 20893
- R *Medicosma glandulosa* T. Hartley 20681  
R 20681 Australia - Queensland 20681
- E *Medicosma gracilis* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma latifolia* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma leratii* (Guillaumin) T. Hartley 20893  
E 20893 New Caledonia 20893
- V *Medicosma obovata* T. Hartley 20681  
V 20681 Australia - Queensland 20681
- E *Medicosma parvifolia* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma petiolaris* T. Hartley 20893  
E 20893 New Caledonia 20893
- R *Medicosma sessiliflora* (C. White) T. Hartley 20681  
R 20681 Australia - Queensland 20681
- E *Medicosma suberosa* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma subsessilis* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Medicosma tahafeana* T. Hartley 20893  
E 20893 New Caledonia 20893
- E *Melicope adscendens* (St. John & Hume) T.G. Hartley & B.C.  
Stone 20850, 14301  
E 20850 U.S. - Hawaii (east Maui) 20850
- E *Melicope balloui* (Rock) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (Maui, Haleakala) 20850
- E *Melicope christophersenii* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu, Wai'anae Mts.) 20850
- E *Melicope cinerea* Gray 20850, 14209  
E 20850 U.S. - Hawaii (Maui, O'ahu) 20850
- R *Melicope contermina* C. Moore & F. Muell. 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- Ex/E *Melicope cruciata* (Heller) T.G. Hartley & B.C.  
Stone 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Melicope degeneri* (B.C. Stone) T.G. Hartley & B.C.  
Stone 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E *Melicope haleakalae* (B.C. Stone) T.G. Hartley & B.C.  
Stone 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Maui) 20850
- E *Melicope haupuensis* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209, 21349  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- V *Melicope hawaiiensis* (Wawra) T.G. Hartley & B.C.  
Stone 20850, 14209  
V 20850 U.S. - Hawaii 20850
- V *Melicope indica* Wight 14782  
V 14782 India - Tamil Nadu 14782
- R *Melicope kaalaensis* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
I 20850 U.S. - Hawaii (O'ahu, Wai'anae Mts) 20850
- E *Melicope knudsenii* (Hbd.) T.G. Hartley & B.C.  
Stone 20850, 14209, 21349  
E 20850 U.S. - Hawaii (Maui & Kaua'i) 20850
- R *Melicope littoralis* (Endl.) T.G. Hartley 19108  
R 19108 Australia - Norfolk Is. (Mostly in Mount Pitt National Park) 19108
- R *Melicope lucida* (A. Gray) A.C. Smith  
R U.S. - American Samoa (Tutuila)
- E *Melicope lydgatei* (Hbd.) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- E *Melicope macropus* (Hbd.) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (Kaua'i) 20850
- E *Melicope makahae* (B.C. Stone) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (O'ahu) 20850
- E *Melicope mucronulata* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (Moloka'i) 20850
- Ex/E *Melicope munroi* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
Ex/E 20850 U.S. - Hawaii (Lana'i) 20850
- Ex *Melicope nealae* (St. John) T. Hartley & B.  
Stone 14209  
Ex 19002 U.S. - Hawaii (Kaua'i) 14209
- Ex/E *Melicope nealiae* (B.C. Stone) T.G. Hartley & B.C.  
Stone 20850  
Ex/E 20850 U.S. - Hawaii 20850
- Ex/E *Melicope obovata* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E *Melicope orbicularis* (Hbd.) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (Maui) 20850
- E *Melicope ovalis* (St. John) T.G. Hartley & B.C.  
Stone 20850, 14209  
E 20850 U.S. - Hawaii (east Maui) 20850
- E *Melicope pallida* (Hbd.) T.G. Hartley & B.C.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Melicope*

- Stone 20850, 14301, 21349  
**E** 20850 U.S. - Hawaii 20850
- Ex/E** *Melicope paniculata* (St. John) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Melicope puberula* (St. John) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Melicope quadrangularis* (St. John & Hume) T.G. Hartley & B.C.  
 Stone 20850, 14301, 21349  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- E** *Melicope reflexa* (St. John) T.G. Hartley & B.C.  
 Stone 20850, 14301  
**E** 20850 U.S. - Hawaii (east Moloka'i) 20850
- R** *Melicope rotundifolia* (Gray) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**I** 20850 U.S. - Hawaii (O'ahu) 20850
- E** *Melicope saint-johnii* (Hume) T.G. Hartley & B.C.  
 Stone 20850, 14209, 21353  
**E** 20850 U.S. - Hawaii (O'ahu) 20850
- E** *Melicope sandwicensis* (Hook. & Arn.) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu) 20850
- E** *Melicope suberosa* Stone 19006  
**E** 19006 Malaysia - Peninsular Malaysia (G. Ulu Kali, Pahang) 19006
- E** *Melicope waialealae* (Wawra) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**E** 20850 U.S. - Hawaii (Moloka'i) 20850
- Ex/E** *Melicope wailauensis* (St. John) T.G. Hartley & B.C.  
 Stone 20850, 14301  
**Ex/E** 20850 U.S. - Hawaii (Moloka'i) 20850
- R** *Melicope wawraeana* (Rock) T.G. Hartley & B.C.  
 Stone 20850, 14209  
**I** 20850 U.S. - Hawaii (O'ahu, Kaua'i) 20850
- E** *Melicope zahlbruckneri* (Rock) T.G. Hartley & B.C.  
 Stone 20850, 14209, 21355  
**E** 20850 U.S. - Hawaii 20850
- E** *Metrodorea maracasana* Kaastra 20883  
**E** 20883 Brazil 20883
- R** *Microcitrus garrawayae* (Bailey) Swingle 20681  
**R** 20681 Australia - Queensland 20681
- R** *Microcitrus inodora* (Bailey) Swingle 20681  
**R** 20681 Australia - Queensland 20681
- R** *Murraya paniculata* (L.) Jack var. *omphalocarpa* (L.) Jack 20511  
**R** 20511 Taiwan 20511
- R** *Neohymnesia suberosa* J.A. Armstrong 20681  
**R** 20681 Australia - Northern Territory 20681
- V** *Orcia suaveolens* (Engl.) Verdoorn 20274  
**V** 20858 Côte d'Ivoire 7926  
**V** 20858 Ghana 20274  
**V** 20858 Guinea 18326  
**V** 20858 Nigeria 18326  
**V** 20858 Sierra Leone 7926  
**V** 20858 Zaire 18326
- I** *Orcia trifoliolata* (Engl.) I. Verd.  
**I** Cameroon (Limbe)
- R** *Oriciopsis glaberrima* Engl.  
**R** Cameroon (Bertona)
- V** *Oxanthera aurantium* Tanaka 20893  
**V** 20893 New Caledonia 20893
- V** *Oxanthera brevipes* Stone 20893  
**V** 20893 New Caledonia 20893
- E** *Oxanthera fragrans* Montr. 20893  
**E** 20893 New Caledonia 20893
- E** *Oxanthera neocaledonica* (Guillaumin) Tanaka 20893  
**E** 20893 New Caledonia 20893
- Ex/E** *Oxanthera undulata* (Guillaumin) Swingle 20802  
**Ex/E** 20802 New Caledonia 20802
- Ex** *Pelea fatuhivensis* F. Brown  
**Ex** French Polynesia - Marquesas Is
- I** *Pelea nukuhivensis* F. Brown  
**I** French Polynesia - Marquesas Is
- Ex** *Pelea obovata* H. St. John 14209  
**Ex** 14209 U.S. - Hawaii 14209
- R** *Phebalium ambiens* (F. Muell.) Maiden & Betch 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Phebalium brachyphyllum* Benth. 20681  
**R** 20681 Australia - South Australia 20681  
**Ex/E** 20681 Australia - Victoria 20681
- R** *Phebalium carruthersii* (F. Muell.) Maiden & Betche 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Phebalium daviesii* Hook.f. 20681, 14223  
**E** 20681 Australia - Tasmania 20681
- E** *Phebalium elatius* (F. Muell.) Benth. ssp. *beckleri* (F. Muell.) Paul G. Wilson 20681  
**E** 20681 Australia - Queensland 20681
- R** *Phebalium ellipticum* Paul G. Wilson 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Phebalium equestre* D.A. Cooke 20681  
**E** 20681 Australia - South Australia 20681
- R** *Phebalium frondosum* N.G. Walsh & D. Albrecht 20681  
**R** 20681 Australia - Victoria 20681
- V** *Phebalium glandulosum* Hook. ssp. *eglandulosum* (Blakely) Paul G. Wilson 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Phebalium gracile* C. White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Phebalium hillebrandii* J.H. Willis 20681  
**R** 20681 Australia - South Australia 20681
- E** *Phebalium lachnaeoides* Cunn. 20681, 14223  
**E** 20681 Australia - New South Wales 20681
- V** *Phebalium lowanense* J.H. Willis 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- R** *Phebalium montanum* Hook. 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Phebalium obcordatum* Benth. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Phebalium obtusifolium* Paul G. Wilson 20681  
**V** 20681 Australia - Queensland 20681
- R** *Phebalium oldfieldii* (F. Muell.) F. Muell. ex Benth. 20681  
**R** 20681 Australia - Tasmania 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Phebalium*

- V** *Phebalium ralstonii* (F.Muell.) Benth. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Phebalium rhytidophyllum* D.Albrecht & N.Walsh 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Phebalium rotundifolium* (Cunn. ex Endl.)  
 Benth. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Phebalium squamulosum* Vent. ssp. *verrucosum* Paul  
 G.Wilson 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Phebalium sympetalum* Paul G.Wilson 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Phebalium viridiflorum* Paul G.Wilson 20681  
**R** 20681 Australia - New South Wales 20681
- V** *Phebalium whitei* Paul G.Wilson 20681  
**V** 20681 Australia - Queensland 20681
- R** *Phebalium wilsonii* N.G.Walsh & D.Albrecht 20681  
**R** 20681 Australia - Victoria 20681
- E** *Phellodendron amurense* Rupr. var. *wilsonii* (Hayata  
 & Kaneh.) C.E. Chang 20854  
**E** 20854 Taiwan (north & central) 20854
- V** *Pilocarpus cubensis* (Borh. & Muniz) Lippold 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- V** *Pilocarpus demerarae* Sandwith 20883  
**I** 20883 Guyana 20883
- E** *Pilocarpus goudotianus* ssp. *heterochromus*  
 Kaastra 20883  
**E** 20883 Colombia 20883
- E** *Pilocarpus grandiflorus* Engler 20883  
**E** 20883 Brazil 20883
- E** *Pilocarpus jaborandi* Holmes 20883, 17079  
**E** 20883 Brazil 20883  
**E** 17079 Brazil - Ceara 17079  
**E** 17746 Brazil - Pernambuco 17746
- R** *Pilocarpus microphyllus* Stapf ex Wardleworth 20883,  
 17079  
**I** 20883 Brazil 20883  
**E** 17746 Brazil - Maranhao 17746  
**E** 17079 Brazil - Pará (município de Marabá, serra Norte, Sao Luis,  
 Maranhao, município de Parnaíba) 17079  
**E** 17746 Brazil - Piaui 17079  
**I** 20883 Suriname 20883
- R** *Pilocarpus pennatifolius* var. *pilosus*  
 Kaastra 20883  
**I** 20883 Brazil 20883
- R** *Pilocarpus racemosus* ssp. *viridulus*  
 Kaastra 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 El Salvador 20883
- R** *Pilocarpus spicatus* ssp. *aracatensis*  
 Kaastra 20883  
**R** 20883 Brazil 20883
- R** *Pilocarpus spicatus* ssp. *longeracemosus* (Martius ex  
 Engler) Kaastra 20883  
**R** 20883 Brazil 20883
- R** *Pitavia punctata* (R. et P.) Mol. 20883, 15088  
**R** 20883 Chile 20883
- V** *Platydesma cornuta* Hbd. 20850, 14209  
**I** 20850 U.S. - Hawaii (O`ahu - Ko`olau Mts)  
 20850
- E** *Platydesma cornuta* Hillebr. var.  
*cornuta* 20850  
**E** 20850 U.S. - Hawaii 20850
- V** *Platydesma cornuta* Hillebrand var. *decurrens* B.C.  
 Stone 20850, 14209  
**V** 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts)  
 20850
- E** *Platydesma remyi* (Sherff) O. & I. Deg., Sherff & B.C.  
 Stone 20850, 14209  
**E** 20850 U.S. - Hawaii (Hamakua-Kohala) 20850
- E** *Platydesma rostrata* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Pleiospermium annamense* Guillaumin 6057  
**R** Vietnam 6057
- E** *Raulinoa echinata* Cowan 20883  
**E** 20883 Brazil 20883
- V** *Ravenia baracoensis* Borh. & Muniz 5607  
**V** 19105 Cuba (Guantanamo) 5607
- V** *Ravenia carabaii* Kirouac 5607  
**V** 19105 Cuba (Holguin) 5607
- I** *Ravenia swartziana* (Miers) F. & R. 20883, 13336  
**I** 13336 Jamaica 20883
- V** *Ravenia urbanii* Engl. ex Urban 20883, 15106  
**I** 20883 Puerto Rico 20883
- R** *Ruta chalepensis* L. ssp. *fumariifolia* (Boiss. &  
 Heldr.) Nyman 20731  
**R** 20731 Greece - Crete 20731
- E** *Ruta microcarpa* Svent. 17781  
**E** 20750 Spain - Canary Is. 20750
- R** *Ruta oreojasme* Webb 20750  
**R** 20750 Spain - Canary Is. 20750
- V** *Ruta pinnata* L.f. 20750  
**V** 20750 Spain - Canary Is. 20750
- E** *Sarcomelicope glauca* T.Hartley 20893  
**E** 20893 New Caledonia 20893
- E** *Sarcomelicope sarcococca* Engl.  
**E** New Caledonia
- R** *Skimmia arisanensis* Hayata 20511  
**R** 20511 Taiwan 20511
- E** *Spathelia coccinea* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- V** *Spathelia glabrescens* Planch. 20883  
**V** 20883 Jamaica 20883
- R** *Spathelia lobulata* Urban 5607  
**R** 19105 Cuba (Santiago de Cuba; Holguin) 5607
- V** *Spathelia splendens* Urban 5607  
**V** 19105 Cuba (Holguin; Guantanamo) 5607
- V** *Teclea carpopunctifera* A. Chev. 7926  
**V** 20887 Côte d'Ivoire (Fresco) 7926
- I** *Teclea ferruginea* A. Chev. 7926  
**I** Mali (Sangali) 7926
- R** *Teclea hanangensis* Kokwaro var.  
*hanangensis* 20057  
**R** 20057 Kenya (Moyale; Matakweni; Kilibasi; possibly  
 Marsabit) 20057  
**R** 20057 Tanzania 17435
- R** *Teclea hanangensis* Kokwaro var.  
*unifoliolata* 7959  
**R** 20057 Kenya 7959

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Rutaceae: *Teclea*

- R** *Teclea macedoi* Exell & Mendonca 7906  
**R** Mozambique 7906
- I** *Thamnosma socotrana* Balf. f. 15534  
**I** 15534 Yemen - Socotra 15534
- R** *Thoreldora cochinchinensis* Pierre 6057  
**R** Vietnam 6057
- R** *Vepris carringtoniana* Mendonca 7749  
**R** Mozambique 7749
- R** *Vepris drummondii* Mendonca 7749  
**V** 20909 Zimbabwe 7749
- E** *Vepris glandulosa* (Hoyle & Leakey) Kokwaro 20057  
**E** 20057 Kenya (Muguga; Ragati; Limuru) 20057
- I** *Vepris hanangensis* (Kokwaro) W. Mziray var. *unifoliata* 21065  
**I** 21065 Kenya (Karura Forest) 21065
- E** *Vepris heterophylla* (Engl.) Letouzey 20274  
**E** 20858 Cameroon 20274  
**E** 20858 Ghana 6072  
**E** 20858 Mali 20274
- R** *Vepris mandangoa* Lisowski 19358  
**R** 19358 Zaire 19358
- R** *Vepris samburuensis* Kokwaro 7959  
**R** 20057 Kenya (Northern Frontier Province) 7959
- R** *Zanthoxylum arnotianum* Maxim. 8038  
**R** 19134 Japan - Ogasawara-shoto 8038
- V** *Zanthoxylum atchoum* (Aké Assi) Waterman 20887  
**V** 20887 Côte d'Ivoire 20887
- V** *Zanthoxylum briei* 21117  
**V** 21117 Zaire 21117
- I** *Zanthoxylum caudatum* Alston 8021  
**I** 16162 Sri Lanka (Dotalugala Kanda, Eratne) 8021
- V** *Zanthoxylum chevalieri* Waterman 20274  
**V** 20858 Tropical Africa (Upper Guinea) 20274  
**V** 20858 Ghana 20274
- R** *Zanthoxylum dipetalum* Mann 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- R** *Zanthoxylum dipetalum* Mann var. *dipetalum* 20850  
**R** 20850 U.S. - Hawaii 20850
- E** *Zanthoxylum dipetalum* H. Mann var. *tomentosum* Rock 20850, 14209, 21355  
**E** 20850 U.S. - Hawaii (North Kona) 20850
- E** *Zanthoxylum eliasii* D.M. Porter 20883, 9006  
**I** 20883 Panama 20883
- R** *Zanthoxylum ferrugineum* J.D. Smith 9037  
**?** Belize 21313  
**R** 19793 Costa Rica 9037  
**?** El Salvador 21313  
**?** Guatemala 21313  
**?** Honduras 21313  
**?** Nicaragua 21313  
**?** Panama 21313
- V** *Zanthoxylum harrisii* P. Wilson ex Britton 19435  
**V** 13336 Jamaica (Portland) 13336
- R** *Zanthoxylum hartii* (Krug & Urb.) P. Wilson 19435  
**R** 13867 Jamaica 13336
- E** *Zanthoxylum hawaiiense* Hbd. 20850, 21348, 21356  
**E** 20850 U.S. - Hawaii 20850
- V** *Zanthoxylum hawaiiense* Hillebrand var. *hawaiiense* 14209  
**V** 14209 U.S. - Hawaii 14209
- V** *Zanthoxylum heterophyllum* (Lam.) Smith 10082  
**V** 14234 Réunion 14234  
**E** 20771 Mauritius 5852  
**Ex** 5852 Mauritius - Rodrigues 10936
- E** *Zanthoxylum jaimae* D.M. Porter 20883, 9006  
**I** 20883 Panama 20883
- R** *Zanthoxylum kauense* Gray 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- Ex** *Zanthoxylum leonis* Alain 15112  
**Ex** 15112 Cuba 15112
- E** *Zanthoxylum negrilense* Fawc. & Rendle 19435  
**E** 13336 Jamaica (Westmoreland) 13336
- V** *Zanthoxylum oahuense* Hbd. 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- E** *Zanthoxylum paniculatum* Balf.f. 10082  
**E** 5852 Mauritius - Rodrigues (Anse Quito) 5852
- E** *Zanthoxylum parvum* Shoiners 20850  
**E** 20850 U.S. - Texas 20850
- I** *Zanthoxylum pistaciiflorum* Hayata 20511  
**I** 20511 Taiwan 20511
- E** *Zanthoxylum psammophilum* (Aké Assi) Waterman 20887  
**E** 20887 Côte d'Ivoire 20887
- E** *Zanthoxylum pucro* D.M. Porter 20883, 9006  
**I** 20883 Panama 20883
- E** *Zanthoxylum thomasianum* (Krug & Urban) Krug & Urban ex Wilson 20883, 7967  
**I** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. (St Thomas & St John) 20883
- E** *Zanthoxylum tripetalum* (Standl.) D.M. Porter 20883, 10747  
**I** 20883 Panama 20883
- R** *Zanthoxylum wutaiense* Chen 20511  
**R** 20511 Taiwan 20511
- E** *Zieria adenophora* Blakely 20681, 14223  
**E** 20681 Australia - New South Wales 20681
- E** *Zieria bauerlenii* J.A. Armstrong ms. 20681  
**E** 20681 Australia - New South Wales 20681
- E** *Zieria buxijugum* J.D. Briggs & J.A. Armstrong ms. 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Zieria chevalieri* Virot 20893  
**V** 20893 New Caledonia 20893
- V** *Zieria citriodora* J.A. Armstrong ms. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** *Zieria collina* C. White 20681  
**V** 20681 Australia - Queensland 20681
- V** *Zieria coventyi* J.A. Armstrong ms. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Zieria floydii* J.A. Armstrong ms. 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Zieria formosa* J.D. Briggs & J.A. Armstrong ms. 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Zieria granulata* (F. Muell.) Benth. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Zieria hindii* J.A. Armstrong ms. 20681  
**R** 20681 Australia - New South Wales 20681

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Rutaceae: *Zieria*

- V** *Zieria ingramii* J.A.Armstrong ms. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Zieria involucrata* Benth. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Zieria lasiocaulis* J.A.Armstrong ms. 20681  
**V** 20681 Australia - New South Wales 20681
- R** *Zieria montana* J.A.Armstrong ms. 20681  
**R** 20681 Australia - Queensland 20681
- V** *Zieria murphyi* Blakely 20681  
**V** 20681 Australia - New South Wales 20681
- E** *Zieria obcordata* Cunn. 20681  
**E** 20681 Australia - New South Wales 20681
- V** *Zieria obovata* (C.T.White) J.A.Armstrong ms 20681  
**V** 20681 Australia - Queensland 20681
- R** *Zieria odorifera* J.A.Armstrong ms. 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Zieria parrisiae* J.D.Briggs & J.A.Armstrong ms. 20681  
**E** 20681 Australia - New South Wales 20681
- E** *Zieria prostrata* J.A.Armstrong ms. 20681, 17916  
**E** 20681 Australia - New South Wales 20681
- V** *Zieria rimulosa* C.White 20681  
**V** 20681 Australia - Queensland 20681
- V** *Zieria tuberculata* J.A.Armstrong ms. 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Zieria verrucosa* J.A.Armstrong ms. 20681  
**V** 20681 Australia - Queensland 20681

## Sabiaceae

Number of genera:	3
Number of species:	30
Recorded threatened species:	3 (10%)

Southeast Asia; tropical America.

- R** *Sabia kontumensis* Gagnepain 6057  
**R** Vietnam 6057
- I** *Sabia malabarica* Beddome  
**I** India - Kerala (Palghat)  
**I** India - Tamil Nadu
- R** *Sabia transarisanensis* Hayata 20511  
**R** 20511 Taiwan 20511

## Salicaceae

Number of genera:	2
Number of species:	340
Recorded threatened species:	41 (12%)

Mostly North temperate; also Australia and Malay Archipelago.

- I** *Populus berkarensis* Polj. 5942  
**I** 5942 Kazakhstan (south) 5942
- I** *Populus cataracti* Komarov 5942  
**I** 5942 Tajikistan (western border) 5942
- V** *Populus guzmanantlensis* Vázquez & Cuevas 21204  
**V** 21204 Mexico - Jalisco 21204
- R** *Populus ilicifolia* (Engl.) Rouleau 20556, 10370  
**R** 20057 Kenya 20057  
**E** Tanzania
- R** *Populus simaroa* Rzed. 10071  
**R** 19755 Mexico 10071

- R** *Salix antiatlantica* Maire & Wilczek  
**R** Morocco
- V** *Salix arizonica* Dorn 20850  
**V** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Utah 20850
- V** *Salix brachycarpa* Nutt. var. *fullertonensis* (Schneid.) Argus 20883, 20850, 14352  
**V** 13967 Canada - Franklin 13967  
**I** 20850 Canada - Ontario 20850  
**I** 20883 Puerto Rico 20883
- E** *Salix brachycarpa* Nutt. var. *psammophila* Raup 20850, 2063  
**I** 20850 Canada - Manitoba 20850  
**E** 20850 Canada - Saskatchewan 20850
- R** *Salix breweri* Bebb 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- E** *Salix chlorolepis* Fern. 20850, 5567  
**E** 20850 Canada - Quebec 20850
- V** *Salix floridana* Chapman 20850  
**V** 20850 U.S. - Florida 20850  
**Ex/E** 20850 U.S. - Georgia 20850
- R** *Salix hegetschweileri* Heer 18264, 20171  
**I** Austria 8000  
**I** France 8000  
**E** 18264 Italy (Trentino-Alto Adige) 18264  
**R** 18154 Switzerland 18154
- R** *Salix hidakamontana* Hara 10572  
**R** Japan (Hidaka, Sorachi)
- V** *Salix hukuokana* Kimura 10572  
**V** 10572 Japan (Miyagi; Gunma) 20626
- R** *Salix hulteni* Floderus 15957  
**R** 15923 Korea, South (Mt Sorak) 15957
- V** *Salix jejuna* Fern. 20850, 14366  
**V** 20850 Canada - Newfoundland (Island) 20850
- V** *Salix kenoensis* Koidz. 10572  
**V** 10572 Japan 10572
- R** *Salix kusanoi* (Hayata) Schneider 20511  
**R** 20854 Taiwan 20511
- V** *Salix magnifica* Hemsl. 17617  
**V** 17617 China - Sichuan 11139
- R** *Salix morii* Hayata 20854  
**R** 20854 Taiwan 20854
- R** *Salix morrisonicola* Kimura 20511  
**R** 20511 Taiwan 20511
- V** *Salix okamotoana* Koidz. 20854  
**V** 20854 Taiwan 20854
- V** *Salix paludicola* Koidz. 10572  
**V** 20626 Japan (Mt. Daisetsu) 20626
- R** *Salix pauciflora* Koidz. 10572  
**R** 10572 Japan 10572
- E** *Salix pedunculata* Fern. 20850, 14366  
**I** 20850 Canada - Labrador 20850  
**E** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Ontario 20850
- V** *Salix planifolia* Pursh ssp. *tyrrellii* (Raup) Argus 20850, 14354  
**I** 20850 Canada - Alberta 20850  
**E** 13967 Canada - British Columbia 13967  
**E** 13967 Canada - Mackenzie 13967  
**V** 20850 Canada - Saskatchewan 20850
- V** *Salix raupii* Argus 20850, 14346

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Salicaceae: *Salix*

- E 20850 Canada - Alberta 20850  
 E 20850 Canada - British Columbia 20850  
 E 20850 Canada - Mackenzie 20850
- V *Salix reticulata* L. ssp. *glabelliparpa*  
 Argus 20850, 14352  
 E 20850 Canada - British Columbia 20850  
 E 20850 U.S. - Alaska 20850
- R *Salix rizeensis* 20618  
 R 20618 Turkey 20618
- R *Salix rorida* Lacksch. var. *roridaeformis*  
 Ohwi 10572  
 R Japan (Nagano)
- V *Salix rupifraga* Koidz. 10572  
 V 20626 Japan (Gunma; Nagano; Yamanashi) 20626
- V *Salix salvifolia* Brot. ssp. *australis*  
 Franco 20076  
 V 20076 Portugal 17891
- V *Salix silicicola* Raup 20850, 2063  
 E 20850 Canada - Keewatin 20850  
 V 20850 Canada - Saskatchewan 20850
- R *Salix stolonifera* Cov. ssp. *carbonicola*  
 Petrovsky 21309  
 R 21309 Russia (E. Europe) - North 21309
- R *Salix tagawana* Koidz. 20854  
 R 20854 Taiwan 20854
- R *Salix taiwanalpina* Kimura 20511  
 R 20511 Taiwan 20511
- R *Salix takasagoalpina* Koidz. 20854  
 R 20854 Taiwan 20854
- V *Salix tarraconensis* Pau 19174, 20171  
 V 20692 Spain (Macizos de Cardó & Els Ports) 20692
- R *Salix trabzonica* A. Skv. 12840  
 R 20618 Turkey 20618
- V *Salix turnorii* Raup 20850, 2063  
 V 20850 Canada - Saskatchewan 20850
- R *Salix tweedyi* (Bebb ex Rose) Ball 20850, 13967  
 E 20850 Canada - British Columbia 20850  
 I 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Montana 20850  
 E 20850 U.S. - Washington 20850  
 V 20850 U.S. - Wyoming 20850

Santalaceae

Number of genera: 35  
 Number of species: 400  
 Recorded threatened species: 35 (8%)

Nearly cosmopolitan, especially arid climates.

- V *Amphorogyne staufferi* Markgraf 20893  
 V 20893 New Caledonia 20893
- V *Buckleya distichophylla* (Nutt.) Torr. 20850  
 V 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - Tennessee 20850  
 V 20850 U.S. - Virginia 20850
- V *Elaphanthera baumannii* (Stauffer) Hallé 20893  
 V 20893 New Caledonia 20893
- R *Exocarpos baumannii* Stauffer  
 R New Caledonia
- V *Exocarpos clavatus* Stauffer 20893  
 V 20893 New Caledonia 20893
- E *Exocarpos gaudichaudii* A. DC. 20850, 14209

- E 20850 U.S. - Hawaii 20850
- R *Exocarpos homalocladus* C. Moore & F. Muell.  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Exocarpos luteolus* Forbes 20850, 14209  
 E 20850 U.S. - Hawaii (Kaua'i) 20850
- R *Exocarpos menziesii* Stauffer 20850, 14209  
 I 20850 U.S. - Hawaii 20850
- I *Exocarpos rolfeanus* (O. Kuntze) Merr. 13833  
 I 13833 Philippines (Palawan) 13833
- V *Exocarpos spathulatus* Schltr. 20893  
 V 20893 New Caledonia 20893
- V *Kunkeliella canariensis* Stearn 17534  
 V 20750 Spain - Canary Is. 17534
- E *Kunkeliella psilotoclada* (Svent.) Stearn 17534  
 E 20750 Spain - Canary Is. 17534
- V *Kunkeliella subsucculenta* Kammer 17534  
 V 20750 Spain - Canary Is. 17534
- Ex *Leptomeria dielsiana* Pilger 20681, 14223  
 Ex 20681 Australia - Western Australia 20681
- Ex *Leptomeria laxa* Miq. 20681  
 Ex 20681 Australia - Western Australia 20681
- E *Quinchamalium brevistaminatum* Pilger 18200  
 E 9446 Peru 18200
- E *Quinchamalium lomae* Pilger 18200  
 E 9446 Peru 18200
- E *Santalum boninense* (Nakai) Tuy. 8038  
 E 19134 Japan - Ogasawara-shoto 8038
- Ex *Santalum fernandezianum* F. Philippi 19116  
 Ex 19116 Chile - Juan Fernandez Is. 19116
- R *Santalum freycinetianum* Gaud. 20850, 14209  
 I 20850 U.S. - Hawaii 20850
- V *Santalum freycinetianum* Gaudich. var. *lanaiense*  
 Rock 20850, 14209  
 V 20850 U.S. - Hawaii (Lana'i & Maui) 20850
- V *Santalum haleakalae* Hbd. 20850, 14209  
 I 14209 U.S. - Hawaii (East Maui) 20850
- V *Santalum insulare* Bertero ex DC. var. *hendersonensis*  
 (F. Brown) Fosberg & Sachet 19185  
 V 19185 Pitcairn (Henderson Is.) 19187
- I *Santalum marchionense* Skottsb.  
 I French Polynesia - Marquesas Is
- V *Spirogardnera rubescens* Stauffer 20681  
 V 20681 Australia - Western Australia 20681
- R *Thesium aureum* Jaub. & Spach 12840  
 R 12840 Turkey 12840
- R *Thesium auriculatum* Vandas 20178, 20171  
 R 20178 Albania 20178  
 R 21091 Bosnia & Herzegovina 21091  
 R (former) Yugoslavia 20178
- R *Thesium bertramii* Aznav. 12840  
 R 12840 Turkey 12840
- R *Thesium chimanimanense* Brenan 7758  
 R Zimbabwe (Chimanimani) 7758
- R *Thesium cilicicum* Bornm. 12840  
 R 12840 Turkey 12840
- R *Thesium coarctiflorum* Hendrych  
 R Greece
- R *Thesium dolichomeris* Brenan 7758

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Santalaceae: *Thesium*

- R Zimbabwe (Chimanimani) 7758
- R *Thesium kernerianum* Simonk. 17823, 20171  
R 19949 Romania (S. & E. Carpathians) 19266
- R *Thesium litoreum* Brenan 20604  
R 20604 South Africa - Cape Province 20604
- R *Thesium matteii* Chiov. 19704  
R 19704 Ethiopia (Gojam, Shewa Upland, Arsi.) 19704
- R *Thesium minkwitzianum* B. Fedtsch.  
R former USSR 6930
- R *Thesium oreogetum* hendrych 12840  
R 12840 Turkey 12840
- Ex *Thesium polygaloides* A.W.Hill 20604  
Ex 20604 South Africa - Natal 20604
- V *Thesium scabriflorum* Davis 12840  
V 12840 Turkey 12840
- R *Thesium stelleroides* Jaub. & Spach 12840  
R 12840 Turkey 12840

Sapindaceae

Number of genera: 140  
Number of species: 1,500  
Recorded threatened species: 144 (9%)

Tropical and subtropical; some in temperate regions.

- V *Alectryon macrococcus* Radlk. 20850, 14209  
I 14209 U.S. - Hawaii 20850
- E *Alectryon macrococcus* Radlk. var. *auwahiensis* G. Linney 20850, 14209  
E 20850 U.S. - Hawaii (east Maui) 20850
- V *Alectryon macrococcus* Radlk. var. *macrococcus* 20850  
V 20850 U.S. - Hawaii 20850
- E *Alectryon ramiflorus* S.Reynolds 20681, 21304  
E 20681 Australia - Queensland 20681
- R *Alectryon samoensis* Christoph. 7925  
R Western Samoa (Savaii) 7925
- R *Alectryon tropicus* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R *Allophylus agbala* Hauman 19358  
R 19358 Zaire (Ubangi-Uele) 19358
- R *Allophylus amplissimus* Hauman 19358  
R 19358 Zaire (Haut-Katanga) 19358
- V *Allophylus chirindensis* Baker f. 20572  
V 20932 Mozambique (Espungabera) 20932  
V 20909 Zimbabwe (east) 20575
- R *Allophylus concanicus* Radlk. 13883  
R 13883 India - Maharashtra 13883
- E *Allophylus gentryi* Croat 20883, 9006  
I 20883 Panama 20883
- V *Allophylus hispidus* (Thwaites) Trimen 10276  
V 12838 Sri Lanka 10276
- R *Allophylus letestui* Pellegrin 7927  
R Gabon (Ayem & Koulamotou) 7927
- V *Allophylus marquesensis* F. Brown  
V French Polynesia - Marquesas Is
- R *Allophylus pachyphyllus* Radlk. 20883, 13336  
R 13336 Jamaica 20883
- V *Allophylus sechellensis* Summerh. 14296

- V 19181 Seychelles 14296
- V *Allophylus zeylanicus* L. 10276  
V 12838 Sri Lanka 10276
- V *Allophylus zimmermannianus* F.G. Davies Ined. 20057  
E/V 20057 Kenya 20057  
V 20900 Tanzania (coast) 20900
- V *Amesiodendron tientinensis* H.S. Lo 17617  
V 17617 China - Guangxi 11139  
V 17617 China - Guizhou 11139
- R *Arytera dictyoneura* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- V *Arytera nekorensis* H.Turner 20893  
V 20893 New Caledonia 20893
- R *Atalaya calcicola* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R *Atalaya capensis* R.A.Dyer 20604  
R 20604 South Africa - Cape Province 20604
- E *Atalaya collina* S.Reynolds 20681  
E 20681 Australia - Queensland 20681
- R *Atalaya natalensis* R.A.Dyer 20604  
R 20604 South Africa - Natal 20604
- R *Atalaya rigida* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R *Bottegia insignis* Chiov. 20057  
R 20884 Ethiopia 20884  
R 20884 Kenya 20057  
R 20884 Somalia (central & south) 20884
- R *Camptolepis ramiflora* (Taub.) Radjk. 7959  
? Madagascar 20271  
R 20884 Kenya (east) 20884  
R 20884 Somalia (south) 20271  
R 20884 Tanzania (east) 7959
- V *Cardiospermum dissectum* (S.Watson) Radlk. 20850  
V 20850 U.S. - Texas 20850
- R *Cardiospermum galapageium* Robinson & Greenman 11117  
R Ecuador - Galapagos (Isabela, Santiago, south Cruz) 11117
- R *Chytranthus obliquinervis* Radlk. 17435  
R 17435 Kenya 17435  
R 17435 Tanzania (east Usambaras) 17435
- R *Chytranthus verecundus* Halle & Ake Assi  
R Côte d'Ivoire
- E *Cossinia australiana* S.T.Reynolds 20681  
E 20681 Australia - Queensland 20681
- V *Cossinia trifoliata* (Baillon) Radlk. 20893  
V 20893 New Caledonia 20893
- E *Cupania dukei* Croat 20883, 9006  
I 20883 Panama 20883
- E *Cupania sylvatica* Croat var. *fosteri*  
Croat 20883, 9006  
I 20883 Panama 20883
- Ex *Cupaniopsis crassivalvis* Radlk. 20802  
Ex 20802 New Caledonia 20802
- E *Cupaniopsis glabra* Adema 20893  
E 20893 New Caledonia 20893
- V *Cupaniopsis globosa* Adema 20802  
V 20893 New Caledonia 20802
- E *Cupaniopsis mouana* Guillaumin 20893  
E 20893 New Caledonia 20893
- R *Cupaniopsis newmanii* S.T.Reynolds 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapindaceae: *Cupaniopsis*

- I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Cupaniopsis rosea* Adema 20893  
E 20893 New Caledonia 20893
- E** *Cupaniopsis rotundifolia* Adema 20893  
E 20893 New Caledonia 20893
- V** *Cupaniopsis shirleyana* (Bailey) Radlk. 20681  
V 20681 Australia - Queensland 20681
- E** *Cupaniopsis squamosa* Adema 20893  
E 20893 New Caledonia 20893
- E** *Cupaniopsis subfalcata* Adema 20893  
E 20893 New Caledonia 20893
- V** *Cupaniopsis tomentella* (F.Muell. ex Benth.)  
S.Reyn. 20681  
V 20681 Australia - Queensland 20681
- E** *Cupaniopsis tontoutensis* Guillaumin 20893  
E 20893 New Caledonia 20893
- R** *Deinbollia longiacuminata* Hauman 19358  
R 19358 Zaire (central Forestier) 19358
- V** *Deinbollia molliuscula* Radlk. 20858  
V 20858 Côte d'Ivoire 20858  
V 20858 Ghana 20858
- E** *Deinbollia nyasica* Exell 7749  
E Malawi 7749
- R** *Deinbollia rambaensis* Pellegrin 7927  
R Gabon (Ramba) 7927
- I** *Deinbollia saligna* Keay 20274  
I 20274 Cameroon 20749  
I 20274 Ghana 20274  
I 20274 Nigeria 20274
- E** *Deinbollia voltensis* Hutch. ex Burt. & Davy &  
Hoyle 7926  
E 6072 Ghana (Yeji, River Volta) 7926
- V** *Dimocarpus longan* Lour. 17617  
? China 21059  
V 17617 China - Hainan Is. 11139
- R** *Diploglottis bracteata* Leenh. 20681  
R 20681 Australia - Queensland 20681
- R** *Diploglottis harpullioides* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R** *Diploglottis pedleyi* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R** *Distichostemon arhemicus* S.T.Reynolds 20681  
R 20681 Australia - Northern Territory 20681
- R** *Dodonaea biloba* J.West 20681  
R 20681 Australia - Queensland 20681
- R** *Dodonaea hackettiana* Fitzg. 20681  
R 20681 Australia - Western Australia 20681
- R** *Dodonaea hirsuta* Maiden & Betche 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Dodonaea macrossanii* F.Muell. & Scortechini 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V** *Dodonaea procumbens* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R** *Dodonaea rhombifolia* Wakef. 20681  
I 20681 Australia - New South Wales 20681
- I** 20681 Australia - Victoria 20681
- V** *Dodonaea rupicola* C.White 20681  
V 20681 Australia - Queensland 20681
- R** *Dodonaea serratifolia* McGillivray 20681  
R 20681 Australia - New South Wales 20681
- E** *Dodonaea subglandulifera* J.West 20681  
E 20681 Australia - South Australia 20681
- R** *Dodonaea uncinata* J.West 20681  
R 20681 Australia - Queensland 20681
- R** *Dodonaea viscosa* Jacq. var. *galapagensis* (Sherff)  
D. Porter 11117  
R Ecuador - Galapagos (V. Darwin & Alcedo;  
Pinta) 11117
- V** *Elatostachys dzumacensis* Adema 20893  
V 20893 New Caledonia 20893
- E** *Erythrophysa septentrionalis* Verdc. 19704  
E 19704 Ethiopia (Harerge) 19704
- R** *Erythrophysa transvaalensis* I.Verd. 20604  
R 20604 South Africa - Transvaal 20604
- Ex** *Euchorium cubense* Ekman & Radlk. 5607  
Ex 19105 Cuba (Pinar del Rio) 5607
- R** *Eurycorymbus cavaleriei* (A. Leve.) Rehder &  
Hand.-Mazz. 17617  
R 17617 China - Fujian 11139  
R 17617 China - Guangdong 11139  
R 17617 China - Guangxi 11139  
R 17617 China - Guizhou 11139  
R 17617 China - Hubei 11139  
R 17617 China - Hunan 11139  
R 17617 China - Jiangxi 11139  
R 17617 China - Yunnan 11139  
R 17617 Taiwan 17617
- V** *Glenniea unijuga* (Thwaites) Radlk. 10276  
V 12838 Sri Lanka 10276
- R** *Guioa coriacea* (Radlk.) Radlk.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Guioa krempfii* Gagnepain 6057  
R Vietnam 6057
- R** *Haplocoelops africana* F.G. Davies 20057  
? Angola 20900  
R 20057 Kenya 20057  
R 20057 Tanzania 17435
- R** *Haplocoelum mombasense* Bullock 20057  
R 20057 Kenya 20057  
R 20057 Tanzania 17435
- I** *Haplocoelum trigonocarpum* Radlk. 20057  
I 20057 Kenya 20057  
I 20057 Mozambique 17435  
R 20884 Somalia 20884  
I 20057 Tanzania 17435
- V** *Hedyachras philippinensis* Radlk.  
V Philippines
- R** *Hornea mauritiana* Baker 10082  
R 20771 Mauritius 10082
- V** *Houssayanthus incanus* (Radlk.) Ferruci 20883  
I 20883 Paraguay 20883
- E** *Lecaniodiscus punctatus* J.B. Hall 10260  
E 20858 Cameroon 10260  
E 20858 Ghana (Baku & Supong Frs.) 20274
- R** *Lepiderema hirsuta* S.T.Reynolds 20681  
R 20681 Australia - Queensland 20681
- R** *Lepiderema largiflorens* S.T.Reynolds 20681



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapindaceae: *Lepiderema*

- R 20681 Australia - Queensland 20681
- R** *Lepiderema pulchella* Radlk. 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- R** *Lepisanthes banaensis* Gagnepain 6057  
 R Vietnam 6057
- I** *Lepisanthes palawanica* Radlk. 13833  
 I 13833 Philippines 13833
- V** *Litchi chinensis* Sonn. var. *euspontanea*  
 Hsue 17617  
 V 17617 China - Guangdong (Xuweng) 11139  
 V 17617 China - Hainan Is. 11139
- E** *Matayba kennedyi* Croat 20883, 9006  
 I 20883 Panama 20883
- R** *Matayba miquelii* Uittien 8679  
 R 8679 Suriname 8679
- R** *Mischocarpus albescens* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- I** *Mischocarpus endotrichus* Radlk. 13833  
 I 13833 Philippines (Palawan) 13833
- R** *Molinaea macrantha* Radlk. 10082  
 R 20771 Mauritius 10082
- R** *Otophora poilanei* Gagnepain 6057  
 R Vietnam 6057
- Ex/E** *Otophora unilocularis* (Leenh.) Lo 17617, 21304  
 Ex/E 17617 China - Hainan Is. (Ledong) 11139
- E** *Paranephelium hainanensis* H.S. Lo 17617  
 E 17617 China - Hainan Is. (Yaxian) 11139
- E** *Paullinia allenii* Standl. 20883, 9006  
 I 20883 Panama 20883
- V** *Paullinia baileyi* Standl. 20883, 9006  
 I 20883 Panama 20883
- R** *Paullinia bernhardi* Uittien 8679  
 R 8679 Suriname 8679
- E** *Paullinia bristanii* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia buricana* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia correae* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia dukei* Croat 20883, 9006  
 I 20883 Panama 20883
- V** *Paullinia eliasii* Croat 20883, 9006  
 I 20883 Panama 20883
- I** *Paullinia excisa* Radlk. 5932  
 I 5932 Trinidad & Tobago (Tobago) 5932
- E** *Paullinia funicularis* Radlk. 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia kallunkii* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia morii* Croat 20883, 9006  
 I 20883 Panama 20883
- R** *Paullinia novemalata* Uittien 8679  
 R 8679 Suriname 8679
- E** *Paullinia panamensis* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia pilonensis* Croat 20883, 9006  
 I 20883 Panama 20883
- V** *Paullinia sessiliflora* Croat var. *angustirachis*  
 Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Paullinia sternii* Croat 20883, 9006  
 I 20883 Panama 20883
- E** *Placodiscus attenuatus* J.B. Hall 20274, 10260  
 E 20858 Côte d'Ivoire 10260  
 E 20858 Ghana 20858
- V** *Placodiscus bancoensis* Aubrev. & Pellegr. 20274  
 V 20858 Côte d'Ivoire 20274  
 V 20858 Ghana 20274
- V** *Placodiscus boya* Aubrev. & Pellegr. 15970  
 V 20858 Côte d'Ivoire 20858  
 V 20858 Ghana 15970
- V** *Placodiscus bracteosus* J.B.Hall 20274  
 V 20858 Côte d'Ivoire 20274  
 V 20858 Ghana 20274
- V** *Placodiscus oblongifolius* J.B.Hall 20274  
 V 20858 Tropical Africa (Upper Guinea) 20274  
 V 20858 Ghana 20274
- R** *Placodiscus paniculatus* Hauman 19358  
 R 19358 Zaire (central Forestier) 19358
- E** *Placodiscus pseudostipularis* Radlk. 20274  
 V 20858 Côte d'Ivoire 7926  
 E 20858 Ghana 20274  
 V 20858 Liberia 7926  
 V 20858 Sierra Leone 7926
- R** *Podonephelium parvifolium* Radlk.  
 R New Caledonia
- R** *Pseudima costaricensis* L.O. Williams & P.  
 Allen 11990  
 R 11992 Costa Rica 11990
- R** *Sapindus boninensis* Nakai 8622  
 R 19134 Japan - Kazan Retto 8622  
 R 19134 Japan - Ogasawara-shoto 8622
- V** *Sapindus grandifolius* Lippold 5607  
 V 19105 Cuba (Guantanamo) 5607
- V** *Sapindus oahuensis* Hillebrand 20850  
 I 20850 U.S. - Hawaii (Kaua'i and O'ahu) 20850
- R** *Sarcopteryx acuminata* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- R** *Sarcopteryx montana* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- R** *Sarcotoechia heterophylla* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- R** *Sarcotoechia serrata* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- R** *Sarcotoechia villosa* S.T.Reynolds 20681  
 R 20681 Australia - Queensland 20681
- V** *Serjania allenii* Croat 20883  
 I 20883 Panama 20883
- E** *Serjania darcyi* Croat 20883, 9006  
 I 20883 Panama 20883
- V** *Serjania equestris* Macf. 20883  
 V 20883 Jamaica 20883
- R** *Serjania laevigata* Radlk. 20883  
 R 20883 Jamaica 20883
- V** *Serjania linearifolia* Lippold 5607  
 V 19105 Cuba (Granma) 5607
- E** *Serjania pluvialiflorens* Croat 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapindaceae: *Serjania*

- I 20883 Panama 20883
- R** *Storthocalyx sordidus* Radlk.  
R New Caledonia
- E** *Talisia dwyeri* Croat 20883, 9006  
I 20883 Panama 20883
- R** *Talisia eximia* Kramer 8679  
R 8679 Suriname 8679
- R** *Talisia microphylla* Uittien 8679  
R 8679 Suriname 8679
- E** *Thouinia acunae* Borh. & Muniz 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- R** *Thouinia striata* Radlk. 20883  
I 20883 Puerto Rico 20883
- I** *Thraulococcus simplicifolius* (Thwaites) Radlk. 10252  
I 16162 Sri Lanka 16162
- R** *Toechima monticola* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- E** *Toechima pterocarpum* S.T.Reynolds 20681  
E 20681 Australia - Queensland 20681

Sapotaceae

Number of genera: 70  
Number of species: 800  
Recorded threatened species: 361 (45%)

Tropical.

- Aesandra dongnaiensis* Pierre 6057  
R Vietnam 6057
- R** *Amorphospermum whitei* Aubrev. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E** *Aubregrinia taiensis* Aubrev. & Pellegrin 7926  
E 20887 Côte d'Ivoire 7926  
E 20858 Ghana 6072
- E** *Beccariella brevipedicellata* (Royen) Aubrev. 20893  
E 20893 New Caledonia 20893
- I** *Breviea sericea* Aubrev. & Pellegr. 20274  
V 20887 Côte d'Ivoire 20274  
I 6072 Ghana 20274  
? Zaïre 20274
- Bumelia acunae* Borh. 5607  
E 19105 Cuba (Holguin; Guantanamo) 5607
- Bumelia harmandii* Lecomte 6057  
R Vietnam 6057
- Bumelia nigra* Sw. 20883  
R 20883 Jamaica 20883
- Bumelia octosepala* (Urb.) Stearn 20883, 19890  
R 19890 Jamaica (Cockpit) 20883
- Bumelia revoluta* Urban 5607  
V 19105 Cuba (Holguin; Guantanamo) 5607
- R** *Chromolucuma baehniiana* Monachino 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883
- R** *Chromolucuma rubriflora* Ducke 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- R** *Chrysophyllum acreanum* A. C. Smith 20883  
I 20883 Brazil 20883  
I 20883 Brazil - Acre 20883
- E** *Chrysophyllum albipilum* Cronq. 20883
- I 20883 Peru 20883
- R** *Chrysophyllum arenarium* F. Allemao 20883  
I 20883 Brazil 20883  
R 20992 Brazil - Ceara 16326  
R 20992 Brazil - Maranhao 16326  
R 20992 Brazil - Pernambuco 16326
- E** *Chrysophyllum azagueianum* Miede 20274  
E 20858 Côte d'Ivoire 20858  
E 20858 Ghana 20274
- R** *Chrysophyllum bombycinum* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Chrysophyllum brenesii* Cronq. 20883, 16326  
I 20883 Costa Rica (Pacific drainage) 20883  
I 20883 Panama (Pacific drainage) 20883
- E** *Chrysophyllum durifructum* (Rodrigues) Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Amazonas 16326
- E** *Chrysophyllum eggersii* Pierre 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- E** *Chrysophyllum euryphyllum* Pennington 20883  
E 20883 Colombia 20883
- R** *Chrysophyllum flexuosum* Martius 20883  
I 20883 Brazil 20883  
R 20992 Brazil - Bahia 16326  
R 20992 Brazil - Minas Gerais 16326  
R 20992 Brazil - Rio de Janeiro 16326  
R 20992 Brazil - Sao Paulo 16326
- R** *Chrysophyllum hirsutum* Cronq. 20883, 16326  
I 20883 Costa Rica 20883  
I 20883 Panama (central) 20883
- E** *Chrysophyllum imperiale* (Linden ex Koch) Bentham & Hooker 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Minas Gerais 16326  
E 20992 Brazil - Rio de Janeiro 16326
- R** *Chrysophyllum inornatum* Martius 20883  
R 20883 Brazil 20883  
R 20992 Brazil - Parana 16326  
R 20992 Brazil - Rio Grande do Sul 16326  
R 20992 Brazil - Santa Catarina 16326
- E** *Chrysophyllum januariense* Eichler 20883  
E 20883 Brazil 20883  
Ex 20992 Brazil - Rio de Janeiro 16326
- V** *Chrysophyllum lanatum* Pennington 20883  
I 20883 Colombia 20883
- R** *Chrysophyllum lucentifolium* Cronquist ssp. *lucentifolium* 20883  
R 20883 Brazil 20883  
R 20992 Brazil - Bahia 16326  
R 20992 Brazil - Espirito Santo 16326  
R 20992 Brazil - Rio de Janeiro 16326
- R** *Chrysophyllum oliviforme* L. ssp. *angustifolium* (Lamarck) Pennington 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- R** *Chrysophyllum ovale* Rusby 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- V** *Chrysophyllum paranaense* Pennington 20883  
V 20883 Brazil 20883  
V 20992 Brazil - Parana 16326

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Chrysophyllum*

- V 20992 Brazil - Sao Paulo 16326
- R** *Chrysophyllum parvulum* Pittier 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- R** *Chrysophyllum pauciflorum* Lam. 20883  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- E** *Chrysophyllum revolutum* Martius & Eichler 20883  
I 20883 Peru 20883
- R** *Chrysophyllum scalare* Pennington 20883  
I 20883 Peru 20883  
I 20883 Venezuela 20883
- R** *Chrysophyllum splendens* Sprengel 20883  
R 20883 Brazil 20883  
V 20992 Brazil - Bahia 16326  
V 20992 Brazil - Espirito Santo 16326  
V 20992 Brazil - Pernambuco 16326
- E** *Chrysophyllum striatum* Pennington 20883, 16326  
I 20883 Panama (Los Santos) 20883
- E** *Chrysophyllum subspinum* Monachino 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- E** *Chrysophyllum superbum* Pennington 20883  
E 20883 Brazil 20883
- R** *Chrysophyllum viride* Martius & Eichler 20883, 20311  
I 20883 Brazil 20883  
? Brazil - Rio Grande do Sul 20311  
? Brazil - Santa Catarina 20310
- I** *Delpyodora macrophylla* Pierre  
I Gabon (Libreville)
- I** *Diploknema siamensis* Fletcher 19120  
I 19120 Thailand 19120
- R** *Ecclinusa bullata* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Ecclinusa dumetorum* (Baehni) Pennington 20883  
E 20883 Suriname 20883
- R** *Ecclinusa lancifolia* (Martius & Eichler) Eyma 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326
- V** *Ecclinusa orinocoensis* Aubréville 20883  
I 20883 Venezuela 20883
- E** *Ecclinusa parviflora* Pennington 20883  
I 20883 Venezuela 20883
- R** *Ecclinusa psilophylla* Sandwith 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- R** *Ecclinusa ulei* Gilly ex Cronquist 20883  
I 20883 Venezuela 20883
- V** *Elaeoluma crispa* Pennington 20883  
I 20883 Venezuela 20883
- V** *Gluea ivorensis* Aubrev. & Pellegrin 7926  
V 20858 Cameroon 9772  
V 20858 Côte d'Ivoire  
V 20858 Gabon  
V 20858 Ghana 20274
- R** *Handeliendron bodinieri* (Leveille) Rehder 17617  
R China - Guangxi 11139  
R 17617 China - Guizhou 11139
- I** *Isonandra montana* (Thwaites) Gamble  
I India - Kerala (Travancore Hills)
- R** *Isonandra perakensis* King & Gamble  
R Malaysia - Peninsular Malaysia (Pahang; Kelantan)
- V** *Isonandra stocksii* Clarke 14782  
V 14782 India (western peninsular India) 14782
- I** *Isonandra villosa* Wight 14782  
I 14782 India - Kerala 14782  
I 14782 India - Tamil Nadu 14782
- E** *Iteiluma leptostylidifolium* (Guillaumin) Aubrev. 20893  
E 20893 New Caledonia 20893
- E** *Iteiluma pinifolium* (Baillon) Aubrev. 20893  
E 20893 New Caledonia 20893
- E** *Iteiluma rheophytopsis* (Royen) Aubrev. 20893  
E 20893 New Caledonia 20893
- V** *Labourdonnaisia glauca* Bojer 10082  
V 20771 Mauritius 10082
- V** *Labourdonnaisia revoluta* Bojer 10082  
V 20771 Mauritius 10082
- I** *Lecomtedoxa heitzana* (A. Chev.) Aubrev.  
I Gabon
- I** *Lecomtedoxa nogo* (A. Chev.) Aubrev. 7927  
I Gabon (Ferman Vaz) 7927
- E** *Leptostylis gatopensis* Guillaumin 20893  
E 20893 New Caledonia 20893
- E** *Leptostylis goroensis* Aubrev. 20893  
E 20893 New Caledonia 20893
- V** *Leptostylis multiflora* Vink 20893  
V 20893 New Caledonia 20893
- V** *Leptostylis petiolata* Vink 20893  
E 20893 New Caledonia 20893
- R** *Madhuca alpina* (Chev.) Chev. 6057  
R Vietnam 6057
- Ex/E** *Madhuca bourdillonii* (Gamble) Raiz. 14782  
Ex/E 14782 India - Kerala (Travancore) 14782
- I** *Madhuca calcicola* P. van Royen  
I Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- E** *Madhuca diplostemon* (Clarke) van Royen 14782  
E 20263 India 14782
- R** *Madhuca elliptica* (Pierre & Dub.) H.J. Lam 6057  
R Vietnam 6057
- R** *Madhuca floribunda* (Pierre) H.J. Lam 6057  
R Vietnam 6057
- V** *Madhuca fulva* Macbr. 10276  
V 12838 Sri Lanka 10276
- V** *Madhuca hainanensis* Chun & How 17617  
V 17617 China - Hainan Is. 11139
- Ex/E** *Madhuca insignis* (Radlk.) H.J. Lam 14782  
Ex/E 14782 India - Karnataka 14782
- I** *Madhuca kerrii* Fletcher 12983  
I 19120 Thailand 12983
- I** *Madhuca longistyla* (K. & G.) Lam 19209  
I 19209 Malaysia - Peninsular Malaysia (Perak) 19209
- E** *Madhuca moonii* (Thwaites) H.J. Lam 10252  
E 12838 Sri Lanka 10252
- R** *Madhuca pasquieri* (Dubard) Lam. 17617  
R 17617 China - Guangdong 11139  
R 17617 China - Guangxi 11139  
R 17617 China - Yunnan (Malipe, Bingbian) 11139  
K 20985 Vietnam 6057

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Madhuca*

- I** *Madhuca punctata* Fletcher 19120  
**I** 19120 Thailand 19120
- I** *Madhuca tokinsis* Aubreville 19120  
**I** 19120 Thailand 19120
- E** *Manilkara bella* Monachino 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Espirito Santo 16326  
**E** 20992 Brazil - Rio de Janeiro 16326
- E** *Manilkara bolivariensis* Pennington 20883  
**I** 20883 Venezuela 20883
- R** *Manilkara cavalcantei* Pires & Rodrigues ex Pennington 20883  
**R** 20883 Brazil 20883  
**E** 20992 Brazil - Amazonas 16326  
**E** 20992 Brazil - Pará 16326
- E** *Manilkara dardanoi* Ducke 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Pernambuco 16326
- E** *Manilkara decrescens* Pennington 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Bahia 16326
- E** *Manilkara elata* (F. Allemao ex Miquel) Monachino 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Bahia 16326  
**E** 20992 Brazil - Espirito Santo 16326
- V** *Manilkara excelsa* (Ducke) Standley 20883  
**V** 20883 Brazil 20883  
**V** 20992 Brazil - Amazonas 16326  
**V** 20992 Brazil - Mato Grosso 16326  
**V** 20992 Brazil - Pará 16326
- V** *Manilkara excisa* (Urb.) Gilly 20883, 13336  
**V** 13336 Jamaica (St. James, Trelawny) 20883
- E** *Manilkara gonavensis* (Urban & Ekman) Gilly ex Cronquist 20883  
**E** 20883 Haiti 20883
- R** *Manilkara jaimiqui* (C. Wright ex Griseb.) Dubard ssp. *haitensis* (Cronquist) Cronquist 20883  
**I** 20883 Dominican Republic 20883  
**I** 20883 Haiti 20883  
**I** 20883 Puerto Rico 20883
- R** *Manilkara jaimiqui* (C. Wright ex Griseb.) Dubard ssp. *jaimiqui* (C. Wright) Dubard 20883  
**R** 20883 Cuba 20883  
**R** 20883 Jamaica 20883
- R** *Manilkara jaimiqui* (C. Wright ex Griseb.) Dubard ssp. *wrightiana* (Pierre) Cronquist 20883  
**R** 20883 Cuba 20883
- E** *Manilkara longifolia* (A. de Candolle) Dubard 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Bahia 16326  
**E** 20992 Brazil - Espirito Santo 16326
- V** *Manilkara maxima* Pennington 20883  
**V** 20883 Brazil 20883  
**V** 20992 Brazil - Bahia 16326
- E** *Manilkara mayarensis* (Ekman ex Urban) Cronquist 20883  
**E** 20883 Cuba 20883
- E** *Manilkara multifida* Pennington 20883  
**E** 20883 Brazil 20883  
**E** 20992 Brazil - Bahia 16326
- E** *Manilkara nicholsonii* A.E.van Wyk 20604  
**E** 20604 South Africa - Cape Province 20604
- E** 20604 South Africa - Natal 20604
- R** *Manilkara paraensis* (Huber) Standley 20883  
**R** 20883 Brazil 20883  
**R** 20992 Brazil - Maranhao 16326  
**R** 20992 Brazil - Mato Grosso 16326  
**R** 20992 Brazil - Pará 16326
- V** *Manilkara pleeana* (Pierre ex Baill.) Cronq. 20883, 15107  
**R** 15107 Puerto Rico (incl. Vieques) 20883  
**R** 15107 British Virgin Is. (Tortola) 15107  
**I** 20883 USA - Virgin Is. (St. John) 20883
- E** *Manilkara pubicarpa* Monachino 20883  
**E** 20883 Guyana 20883
- R** *Manilkara rufula* (Miquel) Lam 20883  
**R** 20883 Brazil 20883  
**R** 20992 Brazil - Bahia 16326  
**R** 20992 Brazil - Ceara 16326  
**R** 20992 Brazil - Paraíba 16326  
**R** 20992 Brazil - Pernambuco 16326  
**R** 20992 Brazil - Piauí 16326  
**R** 20992 Brazil - Sergipe 16326
- E** *Manilkara spectabilis* (Pittier) Standley 20883, 16326  
**E** 20883 Costa Rica 20883
- R** *Manilkara subsericea* (Martius) Dubard 20883, 20310  
**R** 20883 Brazil 20883  
**R** 20992 Brazil - Parana 16326  
**R** 20992 Brazil - Rio de Janeiro 16326  
**R** 20992 Brazil - Santa Catarina 20310  
**R** 20992 Brazil - Sao Paulo 16326
- V** *Manilkara valenzuelana* (A. Rich.) T.D. Pennington 20883  
**I** 20883 Cuba 20883  
**I** 20883 Dominican Republic 20883  
**I** 20883 Haiti 20883  
**I** 20883 Puerto Rico 20883
- Mastichodendron floribundum* (Griseb.) Cronq. 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Micropholis brochidodroma* Pennington 20883  
**I** 20883 Peru 20883
- R** *Micropholis casiquiarensis* Aubréville 20883  
**I** 20883 Brazil 20883  
**I** 20883 Venezuela 20883
- E** *Micropholis caudata* Pennington 20883  
**I** 20883 Brazil 20883  
**E** 20992 Brazil - Amazonas 16326
- R** *Micropholis cayennensis* Pennington 20883  
**I** 20883 Brazil 20883  
**I** 20883 French Guiana 20883
- V** *Micropholis compta* Pierre 20883  
**I** 20883 Brazil 20883  
**V** 20992 Brazil - Bahia 16326  
**V** 20992 Brazil - Rio de Janeiro 16326
- R** *Micropholis crassipedicellata* (Martius & Eichler) Pierre 20883  
**I** 20883 Brazil 20883  
**R** 20992 Brazil - Bahia 16326  
**R** 20992 Brazil - Espirito Santo 16326  
**R** 20992 Brazil - Rio de Janeiro 16326  
**R** 20992 Brazil - Sao Paulo 16326
- R** *Micropholis cylindrocarpa* (Poeppig) Pierre 20883  
**I** 20883 Brazil 20883  
**I** 20883 Peru 20883
- E** *Micropholis emarginata* Pennington 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Micropholis*

- I 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- R** *Micropholis garciniifolia* Pierre 20883  
I 20883 Puerto Rico 20883
- R** *Micropholis gnaphalocladus* (Martius) Pierre 20883  
I 20883 Brazil 20883  
R 20992 Brazil - Bahia 16326  
R 20992 Brazil - Espirito Santo 16326  
R 20992 Brazil - Mato Grosso 16326  
R 20992 Brazil - Pernambuco 16326
- E** *Micropholis grandiflora* Aubréville 20883  
I 20883 Brazil 20883
- R** *Micropholis humboldtiana* (Roemer & Schultes) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Micropholis macrophylla* (Krause) Pennington 20883  
I 20883 Peru 20883
- R** *Micropholis madeirensis* (Baehni) Aubréville 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Micropholis maguirei* Aubréville 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Micropholis polita* (Grisebach) Pierre 20883  
I 20883 Cuba 20883
- V** *Micropholis resinifera* (Ducke) Eyma 20883  
V 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326
- E** *Micropholis retusa* (Spruce ex Miquel) Eyma 20883  
E 20883 Brazil 20883
- R** *Micropholis rugosa* (Sw.) Pierre 20883  
R 20883 Jamaica 20883
- R** *Micropholis sanctae-rosae* (Baehni) Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Peru 20883
- E** *Micropholis spectabilis* (Steyermark) Pennington 20883  
I 20883 Venezuela 20883
- R** *Micropholis splendens* Gilly ex Aubréville 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- E** *Micropholis submarginalis* Pires & Pennington 20883  
I 20883 Brazil 20883
- R** *Micropholis suborbicularis* Aubréville 20883  
I 20883 Venezuela 20883
- E** *Micropholis venamoensis* (Steyermark) Pennington 20883  
I 20883 Venezuela 20883
- R** *Micropholis williamii* Aubréville & Pellegrin 17462  
? Brazil 17462  
R 20992 Brazil - Amazonas 16326  
R 20992 Brazil - Pará 16326
- I** *Mimusops acutifolia* Mildbr. 5926  
I 5926 Tanzania (Lindi) 5926
- I** *Mimusops andamanensis* King & Gamble 7771  
I India - Andaman Is. 7771
- R** *Mimusops angel* Chiov. 20271  
R 20884 Somalia (north-east) 20884
- V** *Mimusops erythroxylon* Bojer ex DC. 10082  
V 20771 Mauritius 10082
- V** *Mimusops petiolaris* (DC.) Dubard 10082  
V 20771 Mauritius 10082
- V** *Mimusops sechellarum* (Oliver) Hemsley 14296  
V 19181 Seychelles (granitic) 14296
- I** *Mimusops zeylanica* Kosterm.  
I Sri Lanka
- E** *Neolemonniera citandrifolia* (A.Chev.) Heine 20274  
E 20858 Ghana 20274  
E 20858 Liberia 20274  
E 20858' Nigeria (southeast) 20274  
E 20858 Sierra Leone 20274
- V** *Nesoluma polynesianum* (Hbd.) Baill. 20850, 14209  
E 19473 Cook Is. (Southern group) (Mauke) 19473  
? French Polynesia - Tubuai Is  
V 20850 U.S. - Hawaii (Hawai'i, Lana'i, Maui, O'ahu, Molokai, Kaua'i) 20850
- V** *Nesoluma st.-johnianum* H.J. Lam & B.J.D. Meeuse 8050  
V 19185 Pitcairn (Henderson Is.) 8050
- R** *Northea hornei* (Hartog) Pierre 19181  
R 19181 Seychelles (granitic) 19182
- E** *Ochrothallus blanchonii* Aubrev. 20893  
E 20893 New Caledonia 20893
- V** *Ochrothallus francii* (Guillaumin & Dubard) Guillaumin 20893  
V 20893 New Caledonia 20893
- V** *Pachystela subverticillata* E.A. Bruce 7959  
V 20057 Kenya 7959
- V** *Pachystela taxon a* 20057  
V 20057 Kenya (Shimba hills) 20057
- V** *Palaquium canaliculatum* (Thwaites) Engl. 12838  
V 12838 Sri Lanka 12838
- I** *Palaquium garrettii* Fletcher 19120  
I 19120 Thailand 19120
- R** *Palaquium grande* (Thwaites) Engl. 12838  
R 12838 Sri Lanka 12838
- R** *Palaquium laevifolium* (Thwaites) Engl. 12838  
R 12838 Sri Lanka 12838
- V** *Palaquium luzoniense* Vidal 15960  
V 15960 Philippines 15960
- V** *Palaquium mindanaense* Merr. 15960  
V 15960 Philippines 15960
- I** *Palaquium neo-ebudicum* 21021  
I 21021 Vanuatu 21021
- V** *Palaquium pauciflorum* (Thwaites) Engl. 12838  
V 12838 Sri Lanka 12838
- R** *Palaquium petiolare* (Thwaites) Engl. 12838  
R 12838 Sri Lanka 12838
- V** *Palaquium philippense* (Perr.) C.B. Rob. 13780  
V 15960 Philippines 20224
- I** *Palaquium punctatum* Fletcher 19120  
I 19120 Thailand 19120
- V** *Palaquium rubiginosum* (Thwaites) Engl. 12838  
V 12838 Sri Lanka 12838
- R** *Palaquium thwaitesii* Trimen 10252  
R 12838 Sri Lanka 10252
- E** *Payena thorelii* Pierre ex Dabard 19120  
E 19120 Thailand 19120
- E** *Planchonella contermina* Pierre ex Dubard 20893  
E 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Planchonella*

- V** *Planchonella daenikeri* Aubrev. 20893  
V 20893 New Caledonia 20893
- E** *Planchonella eerwah* (Bailey) P.Royen 20681  
E 20681 Australia - Queensland 20681
- E** *Planchonella kaalaensis* Aubrev. 20893  
E 20893 New Caledonia 20893
- I** *Planchonella kerrii* Fletcher 19120  
I 19120 Thailand 19120
- R** *Planchonella koumaciensis* Aubrev.  
R New Caledonia
- R** *Planchonella macrocarpa* P.Royen 20681  
R 20681 Australia - Queensland 20681
- R** *Planchonella pronyensis* Guillaumin  
R New Caledonia
- E** *Planchonella punctata* Fletcher 19120  
E 19120 Thailand 19120
- I** *Planchonella sericea* Fletcher 19120  
I 19120 Thailand 19120
- I** *Planchonella siamensis* Fletcher 19120  
I 19120 Thailand 19120
- R** *Planchonella singuliflora* (C.White & Francis)  
P.Royen 20681  
R 20681 Australia - Queensland 20681
- R** *Planchonella vieillardii* (Baillon) Dubard 20802  
R New Caledonia
- V** *Pouteria alnifolia* (Bak.) Pierre var. *sacleuxii*  
(Lecomte) J.H.Hemsl. 20911  
V 20911 Tanzania (Zanzibar Is.) 20911
- E** *Pouteria amapaensis* Pires & Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Amapa 16326
- R** *Pouteria amygdalina* (Standley) Baehni 20883, 16326  
I 20883 Belize 20883  
I 20883 Guatemala (Petén) 20883
- E** *Pouteria andarahiensis* Pennington 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- R** *Pouteria anteridata* Pennington 20883  
I 20883 Venezuela 20883
- E** *Pouteria arcuata* Pennington 20883  
E 20883 Venezuela 20883
- E** *Pouteria areolatifolia* Lundell 20883, 16326  
I 20883 Guatemala (Petén) 20883
- V** *Pouteria arguacoensium* (Karsten) Baehni 20883  
I 20883 Colombia 20883
- R** *Pouteria aristata* (Britton & Wilson) Baehni 20883  
I 20883 Cuba 20883
- R** *Pouteria atabapoensis* (Aubréville) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- R** *Pouteria austin-smithii* (Standley) Cronquist 20883,  
16326  
I 20883 Costa Rica 20883
- V** *Pouteria bapeba* Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Bahia 16326
- R** *Pouteria beaurepairei* (Glaziou & Raunkiaer)  
Baehni 20883  
R 20883 Brazil 20883  
R 20992 Brazil - Parana 16326
- R** 20992 Brazil - Rio de Janeiro 16326  
R 20992 Brazil - Santa Catarina 16326  
R 20992 Brazil - Sao Paulo 16326
- R** *Pouteria belizensis* (Standley) Cronquist 20883,  
16326  
I 20883 Belize 20883  
I 20883 Guatemala 20883  
I 20883 Mexico (southeast) 20883
- E** *Pouteria benai* (Aubréville & Pellegrin)  
Pennington 20883  
E 20883 French Guiana 20883
- V** *Pouteria boninensis* Baehni 8038  
V 19134 Japan - Ogasawara-shoto 20626
- E** *Pouteria bonneriana* Bernardi 20883  
I 20883 Peru 20883
- V** *Pouteria brachyandra* (Aubréville & Pellegrin)  
Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- E** *Pouteria bracteata* Pennington 20883  
I 20883 Colombia 20883
- E** *Pouteria brevensis* Pires 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Pará 16326
- E** *Pouteria brevipetiolata* Pennington 20883  
I 20883 Ecuador 20883
- V** *Pouteria brichoeoides* Lundell 20883, 16326  
I 20883 Guatemala (Petén) 20883
- R** *Pouteria buenaventurensis* (Aubrev.) Pilz 20883,  
16326  
I 20883 Panama (Colón, Panamá) 20883  
I 20883 Colombia (Pacific) 20883
- V** *Pouteria bullata* (S. Moore) Baehni 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Parana 16326  
V 20992 Brazil - Rio de Janeiro 16326  
V 20992 Brazil - Sao Paulo 16326
- E** *Pouteria butyrocarpa* (Kuhlmann) Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326  
E 20992 Brazil - Espirito Santo 16326
- R** *Pouteria calistophylla* (Standl.) Baehni 20883, 16326  
I 20883 Costa Rica 20883  
I 20883 Panama (Bocas del Toro) 20883
- V** *Pouteria canaimaensis* Pennington 20883  
I 20883 Venezuela 20883
- R** *Pouteria capacifolia* Pilz 20883  
I 20883 Ecuador 20883
- R** *Pouteria cayennensis* (A. de Candolle) Eyma 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- E** *Pouteria chocoensis* (Aubréville) Pennington 20883  
E 20883 Colombia 20883
- R** *Pouteria cicatricata* Pennington 20883  
I 20883 Brazil 20883  
R 20992 Brazil - Amazonas 16326  
R 20992 Brazil - Rondonia 16326
- E** *Pouteria cinnamomea* Baehni 20883  
I 20883 Peru 20883
- E** *Pouteria celomatica* Rizzini 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Pouteria*

- E 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- V** *Pouteria collina* (Little) Pennington 20883  
I 20883 Colombia 20883  
I 20883 Ecuador 20883
- R** *Pouteria congestifolia* Pilz 20883, 16326  
V 20883 Costa Rica 20883  
I 20883 Panama (Coclé, Chiriquí) 20883
- R** *Pouteria crassiflora* Pires & Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amapa 16326
- E** *Pouteria cubensis* Baehni 20883  
E 20883 Cuba 20883
- E** *Pouteria decussata* (Ducke) Baehni 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Amapa 16326
- R** *Pouteria dictyoneura* (Griseb.) Radlk. ssp. *dictyoneura* 20883  
I 20883 Cuba 20883
- R** *Pouteria dominicensis* (Gaertn. f.) Baehni ssp. *cuprea* (Urban & Ekman) Pennington 20883  
I 20883 Dominican Republic 20883  
I 20883 Haiti 20883
- R** *Pouteria ephedrantha* (A. C. Smith) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E** *Pouteria espinæ* (Standley) Baehni 20883  
I 20883 Colombia 20883
- E** *Pouteria euryphylla* (Standl.) Baehni 20883, 16326  
I 20883 Panama (Chiriquí) 20883
- V** *Pouteria exfoliata* Pennington 20883, 16326  
I 20883 Costa Rica 20883
- E** *Pouteria exstaminodia* Pires & Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Amapa 16326
- E** *Pouteria filiformis* Pennington 20883, 16326  
I 20883 Costa Rica (Limón) 20883
- R** *Pouteria fossicola* Cronq. 20883, 10747  
I 20883 Costa Rica (Central) 20883  
I 20883 Panama (Canal Area, Coclé, Colón, Darién) 20883
- V** *Pouteria foveolata* Pennington 20883, 16326  
I 20883 Costa Rica 20883  
I 20883 Nicaragua 20883
- R** *Pouteria fragrans* (Pierre) Dubard 20883  
I 20883 Paraguay 20883
- E** *Pouteria fulva* Pennington 20883  
I 20883 Brazil 20883
- R** *Pouteria furcata* Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Maranhão 16326  
V 20992 Brazil - Piauí 16326
- R** *Pouteria gabrielensis* (Gilly ex Aubréville) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Colombia 20883  
I 20883 Venezuela 20883
- E** *Pouteria gigantea* (Diels) Pilz 20883  
I 20883 Ecuador 20883
- V** *Pouteria glauca* Pennington 20883  
I 20883 Peru 20883
- E** *Pouteria gracilis* Pennington 20883
- I** 20883 Peru 20883
- R** *Pouteria grandiflora* (A. de Candolle) Baehni 20883  
I 20883 Brazil 20883  
R 20992 Brazil - Bahia 16326  
R 20992 Brazil - Pernambuco 16326  
R 20992 Brazil - Rio de Janeiro 16326
- R** *Pouteria grandis* Eyma 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- V** *Pouteria hotteana* (Urban & Ekman) Baehni 20883, 19002  
I 20883 Haiti 20883  
I 20883 Puerto Rico 20883
- R** *Pouteria izabalensis* (Standley) Baehni 20883, 16326  
I 20883 Belize 20883  
I 20883 Guatemala (Atlantic forest) 20883  
I 20883 Honduras (Atlantic forest) 20883  
I 20883 Nicaragua (Atlantic forest) 20883
- E** *Pouteria juruana* Krause 20883  
E 20883 Brazil (western Amazonia) 20883  
E 20883 Colombia (Putumayo) 16326
- E** *Pouteria kaeteurensis* Pennington 20883  
E 20883 Guyana 20883
- E** *Pouteria krakovii* (A. C. Smith) Baehni 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E** *Pouteria latianthera* Pennington 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Amapa 16326
- R** *Pouteria leptopedicellata* Pilz 20883, 16326  
I 20883 Costa Rica 20883  
I 20883 Panama (Colón) 20883
- R** *Pouteria longifolia* (Martius & Eichler) Pennington 20883  
I 20883 Bolivia 20883  
I 20883 Peru 20883
- R** *Pouteria lucens* (Martius & Miquel) Radlk. & Eyma 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326
- V** *Pouteria macahensis* Pennington 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326  
E 20992 Brazil - Rio de Janeiro 16326
- R** *Pouteria macrocarpa* (Martius) Dietrich 16326  
R 16326 Costa Rica 16326  
R 16326 Brazil - Amazonas 16326  
V 20992 Brazil - Mato Grosso 16326  
V 20992 Brazil - Pará 16326  
R 16326 Colombia 16326
- R** *Pouteria maguirei* (Aubréville) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- V** *Pouteria melanopoda* Eyma 20883  
I 20883 French Guiana 20883  
I 20883 Suriname 20883
- E** *Pouteria micrantha* (Urban) Baehni 20883  
E 20883 Cuba 20883
- V** *Pouteria microstrigosa* Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Bahia 16326  
V 20992 Brazil - Espírito Santo 16326  
V 20992 Brazil - Mato Grosso 16326
- E** *Pouteria minima* Pennington 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Pouteria*

- I 20883 Brazil 20883  
E 20992 Brazil - Amazonas 16326
- E** *Pouteria moaensis* Alain 20883  
E 20883 Cuba 20883
- E** *Pouteria nemorosa* Baehni 20883  
I 20883 Bolivia 20883
- V** *Pouteria nudipetala* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Pouteria oppositifolia* (Ducke) Baehni 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amapa 16326  
V 20992 Brazil - Pará 16326
- R** *Pouteria orinocoensis* (Aubréville) Pennington 20883  
I 20883 Venezuela 20883
- E** *Pouteria oxypetala* Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Sao Paulo 16326
- E** *Pouteria pachycalyx* Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Espirito Santo 16326
- R** *Pouteria pachyphylla* Pennington 20883  
R 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326  
V 20992 Brazil - Rondonia 16326
- E** *Pouteria pallens* Pennington 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Rondonia 16326
- R** *Pouteria pallida* (C. F. Gaertner) Baehni 20883, 19001  
I 20883 20883  
I 20883 Dominica 20883  
I 20883 Guadeloupe 20883  
I 20883 Martinique 20883
- E** *Pouteria peduncularis* (Martius & Eichler) Baehni 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- E** *Pouteria penicillata* Baehni 20883  
E 20883 Guyana 20883
- E** *Pouteria pentasperma* (Standl.) Baehni 20883, 10747  
I 20883 Panama (Bocas del Toro, Darién) 20883
- E** *Pouteria peruviana* Rizzini 20883  
I 20883 Peru 20883
- V** *Pouteria petiolata* Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326  
V 20992 Brazil - Pará 16326
- R** *Pouteria pimichinensis* Pennington 20883  
I 20883 Venezuela 20883
- E** *Pouteria piquiensis* Baehni 20883  
I 20883 Peru 20883
- R** *Pouteria platyphylla* (A. C. Smith) Baehni 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- E** *Pouteria polysepala* Pennington 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Amazonas 16326
- E** *Pouteria psammophila* (Martius) Radlkofer 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Rio de Janeiro 16326  
E 20992 Brazil - Sao Paulo 16326
- E** *Pouteria puberula* Pennington 20883
- I 20883 Venezuela 20883
- V** *Pouteria pubescens* (Aubréville & Pellegrin) Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Pouteria putamen-ovi* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- R** *Pouteria reticulata* ssp. *surinamensis* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- V** *Pouteria retinervis* Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Pouteria rhynchocarpa* Pennington 20883, 16326  
E 20883 Mexico 20883
- R** *Pouteria rigida* (Martius & Eichler) Radlkofer ssp. *rigida* 20883  
I 20883 Brazil 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- R** *Pouteria rigida* (Martius & Eichler) Radlkofer ssp. *tomentosa* (Aubréville) Pennington 20883  
I 20883 Venezuela 20883
- R** *Pouteria rigidopsis* Monachino ex Pennington 20883  
I 20883 Venezuela 20883
- R** *Pouteria rodriguesiana* Pires & Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Suriname 20883
- V** *Pouteria rufotomentosa* (Lundell) Pennington 20883, 16326  
I 20883 Guatemala (Baja Verapaz) 20883
- R** *Pouteria sagotiana* (Baillon) Eyma 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- E** *Pouteria sambuensis* (Pitt.) Baehni 20883, 10747  
I 20883 Panama (Darién) 20883
- V** *Pouteria sclerocarpa* (Pitt.) Cronq. 20883, 16326  
I 20883 Panama (San Blas) 20883  
I 20883 Colombia 20883  
I 20883 Ecuador (Amazonian) 20883
- R** *Pouteria scrobiculata* Monachino ex Pennington 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- R** *Pouteria semecarpifolia* (Pierre) Pierre 20883, 19001  
R 19001 Dominica 20883  
I 20883 Guadeloupe 20883  
R 19001 Martinique 20883  
R 19001 St Lucia 19001  
R 19001 St Vincent 19001
- E** *Pouteria sessilis* Pennington 20883  
I 20883 Peru 20883
- E** *Pouteria silvestris* Pennington 20883, 16326  
I 20883 Costa Rica (Heredia) 20883
- R** *Pouteria singularis* Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Pouteria sipapoensis* Pennington 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Pouteria*

- I 20883 Venezuela 20883
- R** *Pouteria splendens* (A. de Candolle) Kuntze 20883.  
15088  
R 20883 Chile 20883
- E** *Pouteria stenophylla* Baehni 20883  
E 20883 Brazil 20883  
Ex 20992 Brazil - Rio de Janeiro 16326
- V** *Pouteria subsessilifolia* Cronquist 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Bahia 16326
- V** *Pouteria tarumanensis* Pires 20883  
I 20883 Brazil 20883  
E 20992 Brazil - Amazonas 16326
- R** *Pouteria tenuisepala* Pires & Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- R** *Pouteria trigonosperma* Eyma 20883  
I 20883 Guyana 20883  
I 20883 Suriname 20883
- E** *Pouteria triplarifolia* Standley & Williams ex Allen ex Pennington 20883, 16326  
I 20883 Costa Rica (Puntarenas) 20883
- R** *Pouteria vernicosa* Pennington 20883  
I 20883 Brazil 20883  
I 20883 Peru 20883
- V** *Pouteria villamilii* (Merr.) Baehni 20224  
V 15960 Philippines (Luzon, Siargao) 20224
- R** *Pouteria virescens* Baehni 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883
- R** *Pouteria williamii* (Aubréville & Pellegrin) Pennington 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Pradosia argentea* (Kunth) Pennington 20883  
I 20883 Peru 20883
- R** *Pradosia atroviolacea* Ducke 20883  
I 20883 Brazil 20883  
I 20883 Colombia 20883  
I 20883 Peru 20883
- R** *Pradosia cochlearia* ssp. *cochlearia* 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Pradosia cuatrecasasii* (Aubréville) Pennington 20883  
E 20883 Colombia 20883
- E** *Pradosia decipiens* Ducke 20883  
E 20883 Brazil 20883
- E** *Pradosia glaziovii* (Pierre) Pennington 20883  
E 20883 Brazil 20883  
Ex 20992 Brazil - Rio de Janeiro 16326
- R** *Pradosia granulosa* Pires & Pennington 20883  
R 20883 Brazil 20883  
V 20992 Brazil - Maranhao 16326  
V 20992 Brazil - Pará 16326
- R** *Pradosia grisebachii* (Pierre) Pennington 20883  
I 20883 Trinidad & Tobago 20883  
I 20883 Venezuela 20883
- V** *Pradosia huberi* (Ducke) Ducke 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- E** *Pradosia kuhlmannii* Toledo 20883
- I 20883 Brazil 20883  
E 20992 Brazil - Rio de Janeiro 16326
- R** *Pradosia montana* Pennington 20883  
I 20883 Ecuador 20883
- E** *Pradosia mutisii* Cronq. 20883  
I 20883 Colombia 20883
- R** *Pradosia subverticillata* Ducke 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326  
V 20992 Brazil - Pará 16326
- E** *Pradosia verrucosa* Ducke 20883  
E 20883 Brazil 20883  
E 20992 Brazil - Pernambuco 16326
- R** *Pradosia verticillata* Ducke 20883  
I 20883 Brazil 20883  
I 20883 French Guiana 20883
- V** *Pycnantra pantiensis* Aubrev. 20893  
V 20893 New Caledonia 20893
- V** *Sarcaulus inflexus* (A. C. Smith) Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Amazonas 16326  
V 20992 Brazil - Mato Grosso 16326
- V** *Sarcaulus obliatus* Pennington 20883  
I 20883 Ecuador 20883
- R** *Sarcaulus vestitus* (Baehni) Pennington 20883  
I 20883 Brazil 20883  
V 20992 Brazil - Acre 16326  
V 20992 Brazil - Amazonas 16326
- E** *Sarcaulus wurdackii* Aubréville 20883  
I 20883 Peru 20883
- R** *Sarcosperma angustifolium* Gagnepain 6057  
R Vietnam 6057
- R** *Sarcosperma kontumense* Gagnepain ex Aubrev. 6057  
R Vietnam 6057
- I** *Sarcosperma siamensis* Fletcher 19120  
I 19120 Thailand 19120
- E** *Sideroxylon acunae* (Borhidi) Pennington 20883  
I 20883 Cuba 20883
- V** *Sideroxylon altamiranoi* (Rose and Standley) Pennington 20883  
I 20883 Mexico 20883
- E** *Sideroxylon angustum* Pennington 20883  
I 20883 Cuba 20883
- E** *Sideroxylon anomalum* (Urban) Pennington 20883  
E 20883 Dominican Republic 20883
- E** *Sideroxylon boutonianum* A. DC. 10082  
E 20771 Mauritius (Mainland & Ile aux Aigrettes) 10082
- E** *Sideroxylon bullatum* (Howard & Proctor) Pennington 20883, 19435  
R 13336 Jamaica (Portland) 20883
- R** *Sideroxylon capiri* (A. de Candolle) Pittier ssp. *capiri* 20883  
I 20883 Mexico 20883
- R** *Sideroxylon cartilagineum* (Cronquist) Pennington 20883  
I 20883 Mexico 20883
- R** *Sideroxylon confertum* C. Wright 20883  
R 20883 Cuba 20883
- R** *Sideroxylon contrerasii* (Lundell) Pennington 20883  
I 20883 Costa Rica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sapotaceae: *Sideroxylon*

- I 20883 Guatemala 20883  
 I 20883 Mexico 20883  
 I 20883 Panama 20883
- E** *Sideroxylon dominicanum* (Whetstone & Atkinson) Pennington 20883  
 E 20883 Dominican Republic 20883
- E** *Sideroxylon durifolium* (Standley) Pennington 20883  
 E 20883 Belize 20883
- E** *Sideroxylon eriocarpum* (Greenman & Conzatti) Pennington 20883  
 E 20883 Mexico 20883
- V** *Sideroxylon eucoriaceum* (Lundell) Pennington 20883  
 I 20883 Guatemala 20883  
 I 20883 Mexico 20883
- E** *Sideroxylon excavatum* Pennington 20883  
 I 20883 Mexico 20883
- R** *Sideroxylon floribundum* Grisebach 20883  
 I 20883 Jamaica 20883
- R** *Sideroxylon floribundum* Grisebach ssp. *belizense* (Lundell) Pennington 20883  
 I 20883 Belize 20883  
 I 20883 Guatemala 20883
- V** *Sideroxylon floribundum* Grisebach ssp. *floribundum* 20883  
 I 20883 Jamaica 20883
- E** *Sideroxylon galeatum* (A.W. Hill) Baehni 10082  
 E 5852 Mauritius - Rodrigues 5852
- E** *Sideroxylon grandiflorum* A. DC. 10082  
 E 20771 Mauritius 10082
- E** *Sideroxylon hirtiantherum* Pennington 20883  
 I 20883 Guatemala 20883
- E** *Sideroxylon ibarrae* (Lundell) Pennington 20883  
 I 20883 Guatemala 20883
- V** *Sideroxylon jubilla* (Ekman ex Urban) Pennington 20883  
 I 20883 Cuba 20883
- V** *Sideroxylon majus* (Gaertner f.) Baehni 10082  
 V 14234 Réunion 10082
- R** *Sideroxylon montanum* (Swartz) Pennington 20883  
 I 20883 Jamaica 20883
- E** *Sideroxylon octosepalum* (Urban) Pennington 20883  
 I 20883 Jamaica 20883
- E** *Sideroxylon peninsulare* (Brandege) Pennington 20883  
 I 20883 Mexico 20883
- R** *Sideroxylon persimile* ssp. *subsessiliflorum* (Hemsley) Pennington 20883  
 R 20883 Mexico 20883
- R** *Sideroxylon picardae* (Urban) Pennington 20883  
 I 20883 Dominican Republic 20883  
 I 20883 Haiti 20883
- R** *Sideroxylon repens* (Urban & Ekman) Pennington 20883  
 I 20883 Dominican Republic 20883  
 I 20883 Haiti 20883
- V** *Sideroxylon retinerve* Pennington 20883  
 I 20883 Honduras 20883
- R** *Sideroxylon rotundifolium* (Swartz) Pennington 20883  
 I 20883 Jamaica 20883
- E** *Sideroxylon rubiginosum* Pennington 20883  
 E 20883 Dominican Republic 20883
- V** *Sideroxylon sessiliflorum* (Poirot) Capuron ex Aubréville 10082  
 V 20771 Mauritius 10082
- E** *Sideroxylon socorrense* (Brandege) Pennington 20883  
 E 20883 Mexico 20883
- E** *Sideroxylon thornei* (Cronq.) T.D. Pennington 20850  
 E 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850
- R** *Sideroxylon verruculosum* (Cronquist) Pennington 20883  
 R 20883 Mexico 20883
- V** *Synsepalum aubrevillei* (Pellegrin) Aubrev. & Pellegr. 7926  
 V 20858 Côte d'Ivoire 7926  
 V 20858 Ghana 20274
- E** *Synsepalum tsoumke* Aubrev. & Pellegrin 7926  
 E 20887 Côte d'Ivoire 7926
- V** *Vitellaria paradoxa* C.E. Gaertner 20833, 21116  
 V 21116 Sudan 21116  
 V 21116 Uganda 21116  
 V 21116 Zaïre 21116
- V** *Vitellariopsis ferruginea* Kupicha 7749  
 ? Mozambique (Beira) 20843  
 V 20909 Zimbabwe 7749
- I** *Vitellariopsis kirkii* (Baker) Dubard 20057  
 I 20057 Kenya 20057  
 I 20057 Tanzania (Pangani; Kisarawe) 17435
- R** *Xantolis balansae* (Lecomte) Royen 6057  
 R Vietnam 6057
- R** *Xantolis baranense* (Lecomte) Royen 6057  
 R Vietnam 6057

**Sarraceniaceae**

Number of genera: 3  
 Number of species: 15  
 Recorded threatened species: 5 (33%)

Easter and northwestern United States; northern South America.

- R** // *Sarracenia alata* (A.W. Wood) Wood 12224  
 R 19629 U.S. - Alabama 19629  
 R 19629 U.S. - Florida 19629  
 R 19629 U.S. - Louisiana 19629  
 R 12224 U.S. - Mississippi 12224  
 R 19629 U.S. - Texas 19629
- R** // *Sarracenia flava* L. 19629  
 R 19629 U.S. - Alabama 19629  
 I 19629 U.S. - Florida 19629  
 R 19629 U.S. - Georgia 19629  
 I 19629 U.S. - Mississippi 19629  
 R 19629 U.S. - North Carolina 19629  
 I 19629 U.S. - Pennsylvania 19629  
 I 19629 U.S. - South Carolina 19629  
 E 19629 U.S. - Virginia 19629
- R** // *Sarracenia leucophylla* Raf. 20850, 19629  
 R 20850 U.S. - Alabama 20850  
 R 20850 U.S. - Florida 20850  
 Ex/E 20850 U.S. - Georgia 20850  
 V 20850 U.S. - Mississippi 20850
- V** I *Sarracenia oreophila* (Kearney) Wherry 20850, 15658  
 V 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 Ex/E 20850 U.S. - Tennessee 20850
- R** // *Sarracenia rubra* Walt. 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sarraceniaceae: *Sarracenia*

- I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
R 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850
- V I *Sarracenia rubra* Walter ssp. *alabamensis* (F.W. & R.B. Case) Schnell 20850, 19629  
V 20850 U.S. - Alabama 20850
- V II *Sarracenia rubra* Walter ssp. *gulfensis* Schnell 20850, 19629  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- E I *Sarracenia rubra* Walter ssp. *jonesii* (Wherry) Wherry 20850, 19629  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- R II *Sarracenia rubra* Walter ssp. *rubra* 20850, 19629  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- R II *Sarracenia rubra* Walter ssp. *wherryi* (F.W. & R.B. Case) Schnell 20850, 19629  
R 20850 U.S. - Alabama 20850  
E 20850 U.S. - Mississippi 20850

Saxifragaceae

Number of genera: 40  
Number of species: 475-700  
Recorded threatened species: 102 (17%)

Cosmopolitan, especially temperate and cold Northern Hemisphere.

- Ex/E *Astilbe crenatiloba* (Britt.) Small 20850, 14662  
Ex/E 20850 U.S. - North Carolina 20850  
Ex/E 20850 U.S. - Tennessee 20850
- V *Bensoniella oregana* (Abrams & Bacig.) Morton 20850  
V 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- I *Bergenia hissarica* Boriss. 5942  
I 5942 Uzbekistan (south-east) 5942
- I *Bergenia ugamica* Pavlov 5942  
I 5942 Kyrgyzstan 5942
- R *Bolandra oregana* S.Watson 20850  
I 20850 U.S. - Idaho 20850  
R 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- R *Chrysosplenium album* Maxim. var. *flavum* Hara 10572  
R 10572 Japan 10572
- R *Chrysosplenium maximowiczii* Franchet & Sav. 10572  
R 10572 Japan 10572
- R *Chrysosplenium hebetatum* Ohwi 20511  
R 20511 Taiwan 20511
- V *Chrysosplenium iowense* Rydb. 20850  
I 20850 Canada - Alberta 20850  
Ex/E 20850 Canada - British Columbia 20850  
I 20850 Canada - Manitoba 20850  
I 20850 Canada - Franklin 20850  
E 20850 Canada - Saskatchewan 20850  
R 20850 U.S. - Iowa 20850  
E 20850 U.S. - Minnesota 20850

- R *Chrysosplenium rimosum* Komarov ssp. *dezhnevii* Jurtzev 5942, 21309  
I 5942 Russia (Far East) - Magadan (eastern peninsula) 5942  
R 20085 Russia (E. Europe) - North 20085
- V *Chrysosplenium rosendahlii* Packer 20850  
R 20085 Russia (E. Europe) - North 20085  
I 20850 Canada - Franklin 20850
- R *Conimitella williamsii* (D.C. Eat.) Rydb. 20850, 15882  
V 20850 Canada - Alberta 20850  
E 20850 U.S. - Colorado 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
E 20850 U.S. - Wyoming 20850
- V *Heuchera abramsii* Rydb. 20850  
I 20850 U.S. - California 20850
- V *Heuchera alba* Rydb. 20850  
V 20850 U.S. - Virginia 20850  
V 20850 U.S. - West Virginia 20850
- E *Heuchera alpestris* Rosendahl, Butters & Lakela 20850  
I 20850 U.S. - California 20850
- V *Heuchera brevistaminea* Wiggins 20850  
V 20850 U.S. - California 20850
- V *Heuchera cespitosa* Eastw. 20850  
I 20850 U.S. - California 20850
- V *Heuchera duranii* Bacig. 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R *Heuchera eastwoodiae* Rosendahl, Butters & Lakela 20850  
R 20850 U.S. - Arizona 20850
- R *Heuchera glomerulata* Rosendahl, Butters & Lakela 20850  
R 20850 U.S. - Arizona 20850  
E 20850 U.S. - New Mexico 20850
- R *Heuchera grossulariifolia* Rydb. var. *tenuifolia* (Wheelock) C.L. Hitchc. 20850  
I 20850 Canada - British Columbia 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850  
R 20850 U.S. - Washington 20850
- R *Heuchera hallii* Gray 20850  
I 20850 U.S. - Colorado 20850
- V *Heuchera hirsutissima* Rosendahl, Butters & Lakela 20850  
V 20850 U.S. - California 20850
- V *Heuchera maxima* Greene 20850  
V 20850 U.S. - California 20850
- V *Heuchera merriamii* Eastw. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Heuchera parishii* Rydb. 20850  
V 20850 U.S. - California 20850
- R *Heuchera pilosissima* Fisch. & C.A. Mey. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- V *Heuchera pulchella* Woot. & Standl. 20850  
V 20850 U.S. - New Mexico 20850
- V *Heuchera rubescens* (Greene) M.G. Stewart var. *versicolor* (Greene) M.G. Stewart 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Saxifragaceae: *Heuchera*

- I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Texas 20850  
**V** 20850 U.S. - Utah 20850
- R** *Heuchera villosa* Michaux var. *arkansana* (Rydb.) E.B. Sm. 20850  
**R** 20850 U.S. - Arkansas 20850
- R** *Heuchera wootonii* Rydb. 20850  
**R** 20850 U.S. - New Mexico 20850
- R** *Jepsonia heterandra* Eastw. 20850  
**R** 20850 U.S. - California 20850
- R** *Lithophragma cymbalaria* Torr. & Gray 20850  
**I** 20850 U.S. - California 20850
- E** *Lithophragma maximum* Bacig. 20850  
**E** 20850 U.S. - California 20850
- R** *Lithophragma parviflorum* (Hook.) Nutt. ex Torr. & Gray var. *trifoliatum* (Eastw.) Jepson 20850  
**I** 20850 U.S. - California 20850
- R** *Mitella doiana* Ohwi 10572  
**R** 10572 Japan 10572
- R** *Mitella koshiensis* Ohwi var. *furusei* (Ohwi) Ohwi 10572  
**R** 10572 Japan 10572
- R** *Mitella leptopetala* Ohwi & Okuy. 10572  
**R** 10572 Japan 10572
- R** *Peltoboykinia tellimoides* (Maxim.) Hara 10572  
**R** 10572 Japan 10572
- R** *Peltoboykinia watanabei* (Yatabe) Hara 10572  
**R** 10572 Japan 10572
- R** *Saxifraga acerifolia* Wakab. & Satomi 10572  
**R** 10572 Japan 10572
- V** *Saxifraga aleutica* Hulten 20850, 21309  
**V** 20850 U.S. - Alaska 20850
- Ex** *Saxifraga amphibia* Sünd. 18154  
**Ex** Austria  
**Ex** Germany  
**Ex** 18154 Switzerland 18154
- R** *Saxifraga apetala* Piper 20850  
**V** 20850 U.S. - Montana 20850  
**R** 20850 U.S. - Washington 20850
- R** *Saxifraga arachnoidea* Sternb. 18264, 20171  
**R** 18264 Italy (Lombardy, Trentino-Alto Adige) 18264
- R** *Saxifraga artvinensis* Matthews 12840  
**R** 12840 Turkey 12840
- R** *Saxifraga babiana* T.E.Díaz & Fern.Prieto 20171  
**R** Spain
- V** *Saxifraga berica* (Bég.) D.A.Webb 8000, 20171  
**V** 18264 Italy (Colli Berici) 19997
- R** *Saxifraga biternata* Boiss. 20171  
**R** Spain
- R** *Saxifraga blepharophylla* A.Kern. ex Hayek 20171  
**R** Austria
- R** *Saxifraga boissieri* Engl. 20171  
**R** 20661 Spain (Cádiz, Málaga) 20661
- V** *Saxifraga bryophora* Grimes & Packard var. *tobiasiae* J. Grimes & Packard 20850  
**V** 20850 U.S. - Idaho 20850
- R** *Saxifraga caballeroi* N. Camara & Sennen  
**R** Spain
- R** *Saxifraga careyana* Gray 20850  
**E** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**R** 20850 U.S. - Tennessee 20850  
**V** 20850 U.S. - Virginia 20850
- V** *Saxifraga caroliniana* Gray 20850  
**V** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**V** 20850 U.S. - Virginia 20850  
**E** 20850 U.S. - West Virginia 20850
- R** *Saxifraga cebennensis* Rouy & E.G.Camus 20171  
**R** France (Cevennes)
- E** *Saxifraga cintrana* Kuzinsky ex Willk. 8000, 20171  
**E** 20076 Portugal 14155
- I** *Saxifraga columnaris* Schmalh. 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Saxifraga corsica* (Ser.) Gren. & Godr. ssp. *cossoniana* (Boiss.) D. Webb 20171  
**R** 20692 Spain 20692  
**R** 20692 Spain - Balearic Is. (Pytiusic islands) 20692
- R** *Saxifraga diapensioides* Bellardi 20171  
**R** France  
**R** 8623 Italy 8623  
**R** 18154 Switzerland 18154
- I** *Saxifraga dinnikii* Schmalh. 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Saxifraga embergeri* Maire  
**R** Morocco
- R** *Saxifraga erioblasta* Boiss. & Reut. 20171  
**R** Spain
- V** *Saxifraga exarata* Vill ssp. *delphinensis* (Ravaud) Kerguelen 20528  
**V** 20528 France 20528
- V** *Saxifraga exarata* Vill. ssp. *lamottei* (Luizet) D.A.Webb 20171  
**V** 20528 France (Massif central) 20528
- R** *Saxifraga facchinii* W.D.J.Koch 20171  
**R** 20804 Italy (Dolomites) 20804
- R** *Saxifraga florulenta* Moretti 8000, 20171  
**R** 20528 France (central Maritime Alps) 8000  
**R** 18264 Italy (Piemonte) 19997
- I** *Saxifraga gemmipara* Franch. var. *siamensis* T. Shimizu 19120  
**I** 19120 Thailand 19120
- R** *Saxifraga gemmifera* Boiss. 20171  
**R** Spain
- V** *Saxifraga globulifera* Desf. ssp. *gibraltaria* Ser. 18223  
**V** 19052 United Kingdom - Gibraltar 18223
- V** *Saxifraga hederifolia* A. Rich 19704  
**V** 19704 Ethiopia (Tigray Upland, Gonder, Gojam, Arsi.) 19704
- E** *Saxifraga hitchcockiana* Elvander 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Saxifraga italica* D.A.Webb 20171  
**R** Italy
- E** *Saxifraga jacquemontiana* Decne. 14768  
**E** India - Jammu & Kashmir (Damamsar) 14768

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Saxifragaceae: *Saxifraga*

- R** *Saxifraga lactea* Turcz. 11552  
**R** 11552 Russian Federation (extreme south east) 11552
- V** *Saxifraga losae* Sennen 20171  
**V** Spain
- R** *Saxifraga luizetiana* Emberger & Maire  
**R** Morocco
- R** *Saxifraga maireana* Luizet  
**R** Morocco
- R** *Saxifraga maweana* Baker  
**R** Morocco
- V** *Saxifraga moncayensis* D.A.Webb 20171  
**V** Spain
- V** *Saxifraga moschata* Wulf. ssp. *basaltica*  
**Br.-Bl.** 7897  
**V** 20798 Poland (Karkonosze Mts.) 7897
- V** *Saxifraga moschata* Wulf. in Jacq. ssp. *dominii* Soó em S.Pawl 19839  
**V** 19321 Slovakia 19321
- V** *Saxifraga moschata* Wulf. in Jacq. ssp. *kotulae* S. Pawl 19839  
**V** 19751 Poland 19751  
**V** 19321 Slovakia 19321
- R** *Saxifraga mutata* L. ssp. *demissa* (Schott & Kotschy) D.A. Webb 17823, 20171  
**R** 19949 Romania 20631
- V** *Saxifraga nelsoniana* D. Don ssp. *carlottae* (Calder & Savile) Hulten 20850  
**V** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Alaska 20850
- R** *Saxifraga nevadensis* Boiss. 20171  
**R** Spain
- R** *Saxifraga nishidae* Miyabe & Kudo 10572  
**R** 10572 Japan 10572
- R** *Saxifraga numidica* Maire 10488  
**R** 14958 Algeria 10488
- R** *Saxifraga oblongifolia* Nakai 15957  
**R** 15923 Korea, South (Mt Sorak) 15923
- R** *Saxifraga palmeri* Bush 20850  
**I** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Oklahoma 20850
- R** *Saxifraga pickeringii* C. Simon  
**R** Portugal - Madeira
- R** *Saxifraga portosanctana* Boiss. 17891  
**R** 14155 Portugal - Madeira 14155
- R** *Saxifraga presolanensis* Engl. 8000, 20171  
**R** 19997 Italy (Lombardia) 19997
- R** *Saxifraga reuterana* Boiss. 20171  
**R** Spain
- I** *Saxifraga rigoi* Porta 20171  
**I** Spain (mountains in south east)
- V** *Saxifraga subapetala* E.Nels. 20850  
**E** 20850 Canada - Alberta 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Saxifraga taylorii* Calder & Savile 20850, 10701  
**R** 20850 Canada - British Columbia 20850
- V** *Saxifraga tempestiva* Elvander & Denton 20850  
**V** 20850 U.S. - Montana 20850

- E** *Saxifraga tischii* Skelly 20850  
**I** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Washington 20850
- V** *Saxifraga tombeanensis* Boiss. ex Engl. 8000, 20171  
**V** 18264 Italy (Lombardia, Trentino-Alto Adige & Veneto) 19997
- R** *Saxifraga valdensis* DC. 8000, 20171  
**R** 20528 France (south-west Alps) 8000  
**I** 20528 Italy (S.W. Alps) 19997
- R** *Saxifraga vandellii* Sternb. 20171  
**R** Italy
- R** *Saxifraga vayredana* Luizet 8000, 20171  
**R** Spain (Near Montseny, N.N.E. of Barcelona) 8000
- R** *Saxifraga wernerii* Font Quer & Pau  
**R** Morocco
- R** *Sullivantia hapemanii* (Coul. & Fisher) Coul. 20850  
**R** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Sullivantia hapemanii* (Coul. & Fisher) Coul. var. *hapemanii* 20850  
**V** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**R** 20850 U.S. - Wyoming 20850
- R** *Sullivantia hapemanii* (Coul. & Fisher) Coul. var. *purpusii* (Brand) Soltis 20850  
**R** 20850 U.S. - Colorado 20850
- V** *Sullivantia oregana* S.Watson 20850  
**V** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850

Schisandraceae

Number of genera:	2
Number of species:	50
Recorded threatened species:	3 (6%)

Tropical and temperate eastern Asia; southeastern United States.

- I** *Schisandra grandiflora* (Wallich) Hook.f. & Thomson  
**I** India - Himachal Pradesh (Simla)  
**I** India - Meghalaya  
**I** India - Sikkim  
**I** India - Uttar Pradesh (Garhwal; Kumaun)
- R** *Schisandra nigra* Max. 15923  
**R** 15923 Korea, South (Huksando) 15923
- I** *Schisandra propinqua* (Wallich) Baillon  
**I** India - Sikkim  
**I** India - Uttar Pradesh (Garhwal; Kumaun)

Scrophulariaceae

Number of genera:	190
Number of species:	4,000
Recorded threatened species:	969 (24%)

Cosmopolitan, especially temperate regions and tropical mountains.

- V** *Acanthorrhinum rivas-martinezii* (Schez-Mata) Fdez-Casas & Schez-Mata 19174  
**V** 19174 Spain 19174
- I** *Adenosma malabaricum* Hook.f.  
**I** India - Kerala (Malabar coast)
- I** *Adenosma subrepens* (Thwaites) Benth. ex Hook.f. 8021

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Adenosma*

- I 16162 Sri Lanka (Hewessa, Ratnapura) 8021
- R** *Aeginetia mpmii* Letouzey  
R Cameroon
- E** *Agalinis acuta* Pennell 20850  
E 20850 U.S. - Connecticut 20850  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - Massachusetts 20850  
E 20850 U.S. - New York 20850  
E 20850 U.S. - Rhode Is. 20850
- R** *Agalinis auriculata* (Michx.) Blake 20850  
Ex/E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Arkansas 20850  
I 20850 U.S. - District of Columbia 20850  
V 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
V 20850 U.S. - Iowa 20850  
V 20850 U.S. - Kansas 20850  
E 20850 U.S. - Maryland 20850  
Ex 20850 U.S. - Michigan 20850  
E 20850 U.S. - Minnesota 20850  
E 20850 U.S. - Mississippi 20850  
V 20850 U.S. - Missouri 20850  
Ex 20850 U.S. - New Jersey 20850  
E 20850 U.S. - Ohio 20850  
E 20850 U.S. - Oklahoma 20850  
E 20850 U.S. - Pennsylvania 20850  
E 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850  
Ex 20850 U.S. - Texas 20850  
E 20850 U.S. - Virginia 20850  
Ex/E 20850 U.S. - West Virginia 20850  
Ex 20850 U.S. - Wisconsin 20850
- Ex/E *Agalinis caddoensis* Pennell 20850, 14662  
Ex/E 20850 U.S. - Louisiana 20850
- Ex/E *Agalinis calycina* Pennell 20850  
Ex/E 20850 U.S. - Texas 20850
- R** *Agalinis divaricata* (Chapman) Pennell 20850  
Ex/E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - Mississippi 20850
- I** *Agalinis kingsii* Proctor 19712  
I Cayman Is. (Grand Cayman) 19434
- V** *Agalinis neoscotica* (Greene) Fern. 20850  
I 20850 Canada - Nova Scotia 20850  
E 20850 U.S. - Maine 20850
- Ex/E *Agalinis nuttallii* Shoiners 20850  
Ex/E 20850 U.S. - Arkansas 20850
- R** *Agalinis pennellii* K. Barringer 10260  
R 12468 Peru 18200
- R** *Agalinis skinneriana* (Wood) Britt. 20850, 14352  
V 20850 Canada - Ontario 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Arkansas 20850  
V 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
V 20850 U.S. - Iowa 20850  
E 20850 U.S. - Kansas 20850  
E 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Maryland 20850  
E 20850 U.S. - Michigan 20850  
R 20850 U.S. - Missouri 20850  
E 20850 U.S. - Nebraska 20850  
V 20850 U.S. - Ohio 20850  
I 20850 U.S. - Oklahoma 20850  
E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Wisconsin 20850
- I** *Alonsoa peduncularis* (Kunze) Wettst. 20604
- I 20604 South Africa - Cape Province 20604
- V** *Amphianthus pusillus* Torr. 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - South Carolina 20850
- E** *Amphiolanthus longipes* Urban 5607  
E 19105 Cuba 5607
- V** *Anarrhinum longipedicellatum* R.Fern. 8000, 20171  
V 20076 Portugal 8000
- E** *Anarrhinum pubescens* Fresen. 16168  
E 16168 Egypt (Sinai) 16168
- R** *Angelonia verticellata* Philcox 11530  
R 11530 Brazil 11530
- I** *Anticharis glandulosa* Asch. var. *caerulea* Blatter & Hallberg 7772  
I India - Rajasthan (Jaisalmer) 7771
- R** *Antirrhinum chardemi* Lange 8000, 20171  
R 20874 Spain (Cabo de Gata) 8000
- R** *Antirrhinum chrysothales* Font Quer  
R Morocco
- R** *Antirrhinum costatum* Wiggins 12495  
R 12495 Mexico 12495
- R** *Antirrhinum gebelicum* Brullo & Furnari  
R Libya
- R** *Antirrhinum grosii* Font Quer 20171  
R 11496 Spain (Prov. Avila & Salamanca: Sierra de Gredos) 11496
- E** *Antirrhinum lopesianum* Rothm. 8000, 20171  
E 20076 Portugal 8000
- V** *Antirrhinum microphyllum* Rothm. 11496, 20171  
V 11496 Spain (Prov. Cuenca & Guadalajara: Sierras south of Saedon) 11496
- V** *Antirrhinum pertegasii* Rothm. 20171  
V 11496 Spain (Puertos de Tortosa-Becete) 20692
- R** *Antirrhinum pulverulentum* Lázaro Ibiza 20171  
R Spain
- R** *Antirrhinum rupestre* Boiss. & Reut. 20171  
R Spain
- R** *Antirrhinum saccharatum* Fernandez Casas  
R Spain
- R** *Antirrhinum valentinum* Font Quer 20171  
R 20692 Spain (Valencia) 11496
- V** *Aureolaria patula* (Chapman) Pennell 20850  
E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Tennessee 20850
- R** *Bacopa eisenii* (Kellogg) Pennell 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Bacopa longipes* (Pennell) Standl. 5607  
E 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- E** *Bacopa minuta* Borh. & Muniz 5607  
E 19105 Cuba (Holguin) 5607
- R** *Bartsia patriciae* N.Holmgren 11351  
R 12777 Ecuador 11351
- R** *Bartsia pumila* Benth. 11351  
R 12777 Ecuador 11351
- R** *Bartsia spicata* Ramond 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Bartsia*

- R France  
I Spain
- R** *Besseya bullii* (Eat.) Rydb. 20850  
R 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
R 20850 U.S. - Iowa 20850  
E 20850 U.S. - Michigan 20850  
E 20850 U.S. - Minnesota 20850  
Ex/E 20850 U.S. - Ohio 20850  
R 20850 U.S. - Wisconsin 20850
- V** *Besseya oblongifolia* Pennell 20850  
V 20850 U.S. - New Mexico 20850
- V** *Besseya ritteriana* (Eastw.) Rydb. 20850  
I 20850 U.S. - Colorado 20850
- I** *Bonnaya bracteoides* Blatter & Hallberg 7771  
I India - Rajasthan (Mt Abu) 7771
- R** *Bowkeria citrina* Thode 20604  
R 20604 South Africa - Natal 20604
- E** *Buchnera flexuosa* Philcox 11532  
E 11532 Brazil 11532
- R** *Buchnera rubriflora* Philcox 11531  
R 11531 Colombia 11531
- V** *Calceolaria adenanthera* ssp. *adenanthera* 20883.  
11351  
V 20883 Ecuador 20883
- E** *Calceolaria adenanthera* ssp. *bracteata*  
Molau 20883, 11351  
E 20883 Ecuador 20883
- E** *Calceolaria adenocalyx* Molau 20883, 17279  
E 20883 Colombia 20883
- E** *Calceolaria ajugoides* Kränzlin 20883, 18200  
E 20883 Peru 20883
- E** *Calceolaria amoena* Molau 20883, 12777  
E 20883 Bolivia (La Paz) 20883
- R** *Calceolaria angustiflora* Ruiz & Pavón 20883, 12777  
R 20883 Peru 20883
- V** *Calceolaria anisanthera* Pennell 20883  
I 20883 Ecuador 20883  
V 20883 Peru 20883
- V** *Calceolaria annua* Edwin 20883  
V 20883 Peru 20883
- V** *Calceolaria aperta* Edwin 20883, 18200  
V 20883 Peru 20883
- E** *Calceolaria aperta* Edwin ssp. *aperta* 20883  
E 20883 Peru 20883
- E** *Calceolaria aperta* Edwin ssp. *incana* (Molau)  
Molau 20883  
E 20883 Peru 20883
- R** *Calceolaria aquatica* Braun & Bouché 20883  
V 20883 Bolivia 20883
- V** *Calceolaria arbuscula* Molau 20883, 18200  
V 20883 Peru 20883
- E** *Calceolaria argentea* H.B.K. 20883  
E 20883 Peru 20883
- V** *Calceolaria atahualpae* ssp. *witasekiana*  
(Kränzlin) Molau 20883  
V 20883 Peru 20883
- V** *Calceolaria aurea* Pennell 20883  
V 20883 Peru 20883
- E** *Calceolaria australis* (Molau) Molau 20883, 11351
- E 20883 Ecuador 20883
- E** *Calceolaria barbata* Molau 20883, 12777  
E 20883 Peru 20883
- R** *Calceolaria bartsiiifolia* Weddell 20883  
R 20883 Bolivia 20883
- V** *Calceolaria bicolor* Ruiz & Pavón 20883  
V 20883 Peru 20883
- E** *Calceolaria bogotensis* (Pennell) Pennell 20883.  
12777  
E 12777 Bolivia 12777  
E 20883 Colombia 20883
- V** *Calceolaria brachiata* Kränzlin 20883, 11351  
V 20883 Ecuador 20883
- E** *Calceolaria bullata* Molau 20883, 18200  
E 20883 Peru 20883
- E** *Calceolaria caespitosa* Molau 20883, 18200  
E 20883 Peru 20883
- V** *Calceolaria cataractarum* Molau 20883  
V 20883 Colombia 20883  
V 20883 Ecuador 20883
- V** *Calceolaria chaetostemon* Pennell 20883  
V 20883 Peru 20883
- V** *Calceolaria chrysochaera* Pennell 20883  
V 20883 Peru 20883
- R** *Calceolaria colombiana* Pennell 20883  
R 20883 Colombia 20883
- V** *Calceolaria commutata* Molau 20883, 12777  
V 20883 Ecuador 20883
- E** *Calceolaria concava* Molau 20883, 18200  
E 20883 Peru 20883
- E** *Calceolaria connatifolia* Pennell 20883, 18200  
E 20883 Peru 20883
- E** *Calceolaria cordifolia* Molau 20883, 18200  
E 20883 Peru 20883
- V** *Calceolaria cordiformis* Edwin 20883, 18200  
V 20883 Peru 20883
- E** *Calceolaria crassa* Molau 20883, 12777  
E 20883 Bolivia 20883
- V** *Calceolaria cromosa* Pennell ssp.  
*cromosa* 20883  
V 20883 Ecuador 20883  
V 20883 Peru 20883
- V** *Calceolaria cromosa* ssp. *elegans*  
Molau 20883  
V 20883 Peru 20883
- E** *Calceolaria cumbemayensis* Molau 20883, 18200  
E 20883 Peru 20883
- V** *Calceolaria cuneiformis* ssp. *xerophila*  
Molau 20883  
V 20883 Peru 20883
- E** *Calceolaria cypripediiflora* Kränzlin 20883  
E 20883 Peru 20883
- V** *Calceolaria cypripediiflora* Kränzlin 18200  
V 12777 Peru 18200
- E** *Calceolaria deflexa* ssp. *cuneata*  
Molau 20883  
E 20883 Peru 20883
- E** *Calceolaria densiflora* Molau 20883, 18200  
E 20883 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Calceolaria*

- E** *Calceolaria dentifolia* Edwin 20883  
**E** 20883 Peru 20883
- V** *Calceolaria dilatata* Benth. 20883  
**V** 20883 Ecuador 20883
- E** *Calceolaria discotheca* Molau 20883, 18200  
**E** 20883 Peru 20883
- E** *Calceolaria divaricata* H.B.K. 20883, 18200  
**E** 20883 Peru 20883
- V** *Calceolaria engleriana* ssp. *lutea*  
 Molau 20883  
**V** 20883 Peru 20883
- E** *Calceolaria ericoides* ssp. *peruviana*  
 Molau 20883  
**E** 20883 Peru 20883
- E** *Calceolaria extensa* Benth. 20883, 18200  
**E** 20883 Peru (Amazonas) 20883
- V** *Calceolaria ferruginea* Cavanilles 20883, 11351  
**V** 20883 Ecuador 20883
- E** *Calceolaria frondosa* Molau 20883, 12777  
**E** 20883 Ecuador 20883
- V** *Calceolaria fusca* Pennell 20883  
**E** 20883 Colombia 20883  
**V** 20883 Ecuador 20883  
**E** 20883 Peru 20883
- E** *Calceolaria gaultherioides* Molau 20883, 18200  
**E** 20883 Peru 20883
- R** *Calceolaria glacialis* Weddell 20883  
**V** 20883 Argentina 20883  
**E** 20883 Bolivia 20883
- V** *Calceolaria glauca* Ruiz & Pavón 20883  
**V** 20883 Peru 20883
- E** *Calceolaria gossypina* Benth. 20883, 11351  
**E** 20883 Ecuador 20883
- E** *Calceolaria grandiflora* Pennell 20883, 11351  
**E** 20883 Ecuador 20883
- E** *Calceolaria helianthemoides* H.B.K. 20883  
**E** 20883 Ecuador 20883
- E** *Calceolaria heterophylla* Ruiz & Pavón 20883, 17208  
**E** 20883 Peru 20883
- E** *Calceolaria hirsuta* Molau 20883, 18200  
**E** 20883 Peru 20883
- V** *Calceolaria hirtifolia* Pennell 20883  
**E** 20883 Colombia 20883
- V** *Calceolaria hispida* ssp. *acaulis*  
 Molau 20883  
**V** 20883 Peru 20883
- V** *Calceolaria inamoena* ssp. *mellefoliata* (Kranzlin)  
 Molau 20883  
**V** 20883 Peru 20883
- E** *Calceolaria inaudita* Kränzlin 20883, 18200  
**E** 20883 Peru 20883
- E** *Calceolaria incachacensis* Kränzlin 20883, 12777  
**E** 20883 Bolivia (Cochabamba) 20883
- V** *Calceolaria incarum* ssp. *incarum* 20883  
**V** 20883 Peru 20883
- V** *Calceolaria incarum* ssp. *sanchezii*  
 Molau 20883  
**V** 20883 Peru 20883
- V** *Calceolaria inflexa* Ruiz & Pavón 20883, 18200
- V** 20883 Peru 20883
- V** *Calceolaria jujuyensis* Botta 20883, 17279  
**E** 20883 Argentina 20883  
**V** 20883 Bolivia 20883
- V** *Calceolaria laevis* Molau 20883  
**V** 20883 Peru 20883
- V** *Calceolaria lanata* H.B.K. 20883  
**V** 20883 Ecuador 20883
- E** *Calceolaria lasiocalyx* Pennell 20883, 12777  
**E** 20883 Peru 20883
- E** *Calceolaria lavandulifolia* H.B.K. 20883  
**E** 20883 Ecuador 20883
- V** *Calceolaria leptantha* Pennell 20883, 18200  
**V** 20883 Peru 20883
- R** *Calceolaria leucanthera* Pennell 20883, 17279  
**V** 20883 Colombia 20883  
**E** 20883 Venezuela 20883
- E** *Calceolaria llamaensis* (Edwin) Molau 20883, 18200  
**E** 20883 Peru 20883
- R** *Calceolaria lojensis* Pennell 20883  
**R** 20883 Ecuador 20883  
**E** 20883 Peru 20883
- E** *Calceolaria ludens* Kränzlin 20883, 18200  
**E** 20883 Peru 20883
- E** *Calceolaria luteocalyx* Edwin 20883, 18200  
**E** 20883 Peru 20883
- V** *Calceolaria maculata* Edwin 20883, 18200  
**V** 20883 Peru 20883
- R** *Calceolaria mandoniana* Kranzlin 20883  
**V** 20883 Bolivia 20883  
**E** 20883 Peru 20883
- E** *Calceolaria martinezii* Kränzlin 20883, 11351  
**E** 20883 Ecuador 20883
- E** *Calceolaria melissifolia* ssp. *pseudoscabra* (Edwin)  
 Molau 20883  
**E** 20883 Peru 20883
- E** *Calceolaria mexicana* ssp. *perijensis* (Pennell)  
 Molau 20883  
**E** 20883 Colombia 20883
- E** *Calceolaria mexicana* ssp. *prostrata*  
 Benth. 20883  
**E** 20883 Venezuela 20883
- V** *Calceolaria micans* Molau 20883  
**V** 20883 Peru 20883
- R** *Calceolaria microbefaria* ssp.  
*microbefaria* 20883, 12777  
**E** 20883 Costa Rica 20883  
**R** 20883 Colombia 20883  
**R** 20883 Venezuela 20883
- E** *Calceolaria microbefaria* ssp. *tatamana* (Pennell)  
 Molau 20883  
**E** 20883 Colombia 20883
- V** *Calceolaria monantha* Kränzlin 20883, 12777  
**V** 20883 Bolivia 20883
- V** *Calceolaria moyobambae* Kranzlin 20883, 18200  
**V** 20883 Peru 20883
- V** *Calceolaria myriophylla* Kränzlin 20883  
**V** 20883 Peru 20883
- E** *Calceolaria neglecta* Molau 20883  
**E** 20883 Peru 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Calceolaria*

- V *Calceolaria nevadensis* ssp. *meridensis* (Pennell)  
Molau 20883  
V 20883 Venezuela 20883
- V *Calceolaria nevadensis* ssp. *nevadensis* 20883  
V 20883 Colombia 20883  
E 20883 Venezuela 20883
- E *Calceolaria obliqua* Molau 20883, 12777  
E 20883 Peru 20883
- E *Calceolaria oblonga* Ruiz & Pavón 20883, 18200  
E 20883 Peru 20883
- E *Calceolaria obtusa* Molau 20883, 11351  
E 20883 Ecuador 20883
- E *Calceolaria odontophylla* Molau 20883, 11351  
E 20883 Ecuador 20883
- E *Calceolaria olivaceae* Molau 20883  
E 20883 Peru 20883
- E *Calceolaria oreophila* Molau 20883, 18200  
E 20883 Peru 20883
- V *Calceolaria oxyphylla* Molau 20883, 11351  
V 20883 Ecuador 20883
- R *Calceolaria parvifolia* ssp. *guentheri* (Kränzlin)  
Molau 20883  
R 20883 Bolivia 20883
- E *Calceolaria pedunculata* Molau 20883  
E 20883 Ecuador 20883
- E *Calceolaria pedunculata* Molau ssp.  
*pedunculata* 20883  
E 20883 Ecuador 20883
- E *Calceolaria pedunculata* Molau ssp. *sumacensis*  
Molau 20883, 11351  
E 20883 Ecuador 20883
- V *Calceolaria penlandii* ssp. *penlandii* 20883  
E 20883 Colombia 20883  
V 20883 Ecuador 20883
- V *Calceolaria penlandii* ssp. *puracensis* (Pennell)  
Molau 20883  
V 20883 Colombia 20883
- E *Calceolaria percaespitosa* Wooden 20883, 18200  
E 20883 Peru 20883
- V *Calceolaria phaeotricha* Molau 20883  
V 20883 Ecuador 20883
- E *Calceolaria pilosa* Molau 20883, 18200  
E 20883 Peru 20883
- E *Calceolaria pinnata* ssp. *delicatula* (Kranzlin)  
Molau 20883  
E 20883 Peru 20883
- V *Calceolaria pisacomensis* Meyen ex Walpers 20883  
V 20883 Peru 20883
- E *Calceolaria platyzga* Diels 20883, 11351  
E 20883 Ecuador 20883
- V *Calceolaria procera* Pennell 20883, 18200  
V 20883 Peru 20883
- V *Calceolaria pulverulenta* Ruiz & Pavón 20883, 18200  
V 20883 Peru 20883
- E *Calceolaria pumila* Edwin 20883, 18200  
E 20883 Peru 20883
- E *Calceolaria punicea* Ruiz & Pavón 20883, 18200  
E 20883 Peru 20883
- R *Calceolaria purpurascens* (Kränzlin) Molau 20883  
R 20883 Ecuador 20883
- V *Calceolaria ramosa* Molau 20883, 18200  
V 20883 Peru 20883
- E *Calceolaria rariflora* Molau 20883  
E 20883 Peru 20883
- V *Calceolaria reichlinii* Edwin 20883  
V 20883 Peru 20883
- V *Calceolaria revoluta* Pennell 20883  
V 20883 Peru 20883
- E *Calceolaria rhacodes* Kränzlin 20883  
E 20883 Peru 20883
- E *Calceolaria rhododendroides* Kränzlin 20883, 18200  
E 20883 Peru 20883
- V *Calceolaria rosmarinifolia* Lam. 20883  
V 20883 Ecuador 20883
- V *Calceolaria rotundifolia* (H.B.K.) Kuntze 20883,  
18200  
V 20883 Peru 20883
- R *Calceolaria rupestris* Molau 20883  
R 20883 Peru 20883
- E *Calceolaria salicifolia* ssp. *nigricans* 20883  
E 20883 Peru 20883
- E *Calceolaria salicifolia* ssp. *salicifolia* 20883  
E 20883 Peru 20883
- E *Calceolaria sclerophylla* Molau 20883  
E 20883 Peru 20883
- E *Calceolaria semiconnata* Pennell 20883, 11351  
E 20883 Ecuador 20883
- V *Calceolaria sericea* Pennell 20883  
V 20883 Ecuador 20883
- E *Calceolaria serrata* Lam. 20883  
E 20883 Ecuador 20883
- E *Calceolaria sibthorpioides* H.B.K. 20883, 18200  
E 20883 Peru 20883
- E *Calceolaria sonchensis* Edwin 20883, 18200  
E 20883 Peru 20883
- V *Calceolaria soratensis* Kränzlin 20883, 12777  
V 20883 Bolivia 20883
- E *Calceolaria sotarensis* Pennell 20883, 17279  
E 20883 Colombia 20883
- V *Calceolaria speciosa* Pennell 20883, 18200  
V 20883 Peru 20883
- R *Calceolaria spruceana* Kränzlin 20883  
R 20883 Ecuador 20883
- V *Calceolaria stricta* H.B.K. 20883, 11351  
V 20883 Ecuador 20883
- E *Calceolaria ternata* Molau 20883  
E 20883 Ecuador 20883  
E 20883 Peru 20883
- R *Calceolaria tetragona* ssp. *endopogon* (Kränzlin)  
Molau 20883  
R 20883 Peru 20883
- R *Calceolaria tetragona* Benth ssp.  
*tetragona* 20883  
R 20883 Peru 20883
- E *Calceolaria trichanthera* Molau 20883, 17279  
E 20883 Colombia 20883
- V *Calceolaria trilobata* ssp. *aequilateralis* (Edwin)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Calceolaria*

- Molau 20883  
V 20883 Peru 20883
- E** *Calceolaria tucumana* Descole 20883  
E 20883 Argentina 20883  
E 20883 Bolivia 20883
- R** *Calceolaria vaccinioides* Kränzlin 20883  
V 20883 Bolivia 20883  
V 20883 Peru 20883
- V** *Calceolaria vaccinioides* Kranzlin 18200  
V 17279 Bolivia 17279  
V 17279 Peru 18200
- E** *Calceolaria variifolia* Edwin 20883  
E 20883 Ecuador 20883  
V 12468 Peru 11351
- E** *Calceolaria velutinoides* Edwin 20883  
E 20883 Peru 20883
- V** *Calceolaria viscosa* Ruiz y Pavón 20883  
V 20883 Peru 20883
- V** *Calceolaria vulpina* Kränzlin 20883  
V 20883 Peru 20883
- E** *Calceolaria weberbaueriana* Kränzlin 20883  
E 20883 Peru 20883
- E** *Calceolaria zamorana* Molau 20883, 11351  
E 20883 Ecuador 20883
- I** *Campbellia aurantiaca* Wight 10252  
I 16162 Sri Lanka 10252
- R** *Camptoloma canariense* (Webb) & Berth.)  
Hilliard 20750  
R 20750 Spain - Canary Is. 20750
- V** *Campylanthus mirandae* A.G. Miller 20146  
V 20146 Oman 20146
- R** *Campylanthus ramosissimus* Wight  
R 13883 India - Gujarat (Kutch) 13883  
R 13883 Pakistan 13883
- V** *Campylanthus salsoloides* (L.f.) Roth  
V Spain - Canary Is.
- R** *Castilleja affinis* Hook. & Arn. 20850  
I 20850 U.S. - California 20850
- V** *Castilleja aquariensis* N. Holmgren 20850  
V 20850 U.S. - Utah 20850
- R** *Castilleja arachnoidea* Greenm. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R** *Castilleja arctica* Kyril. et Serg. ssp. *vorkutensis*  
Rebr. 20085, 21309  
R 20085 Russia (E. Europe) - North 20085
- V** *Castilleja brevistyla* (Hoover) Chuang &  
Heckard 20850  
I 20850 U.S. - California 20850
- V** *Castilleja campestris* ssp. *succulenta* (Hoover) Chuang  
& Heckard 20850  
V 20850 U.S. - California 20850
- R** *Castilleja chlorotica* Piper 20850  
R 20850 U.S. - Oregon 20850
- E** *Castilleja christii* N. Holmgren 20850  
E 20850 U.S. - Idaho 20850
- E** *Castilleja ciliata* Pennell 20850  
E 20850 U.S. - Texas 20850
- V** *Castilleja cinerea* Gray 20850, 17788  
V 20850 U.S. - California (San Bernadino mountains)  
20850
- R** *Castilleja crista-galli* Rydb. 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- Ex** *Castilleja cruenta* Standl. 20850, 14662  
Ex 20850 U.S. - Arizona 20850
- V** *Castilleja cryptantha* Pennell & G.N. Jones 20850  
V 20850 U.S. - Washington 20850
- R** *Castilleja dissitiflora* N. Holmgren 20850  
R 20850 U.S. - Nevada 20850
- R** *Castilleja disticha* Eastw. 20850  
I 20850 U.S. - California 20850
- V** *Castilleja elongata* Pennell 20850  
V 20850 U.S. - Texas 20850
- V** *Castilleja franciscana* Pennell 20850  
I 20850 U.S. - California 20850
- V** *Castilleja fraterna* Greenm. 20850  
V 20850 U.S. - Oregon 20850
- E** *Castilleja fulva* Pennell 20850  
Ex/E 20850 Canada - British Columbia 20850
- V** *Castilleja gleasonii* Elmer 20850  
V 20850 U.S. - California 20850
- V** *Castilleja grisea* Dunkle 20850  
V 20850 U.S. - California 20850
- R** *Castilleja hololeuca* Greene 20850  
I 20850 U.S. - California 20850
- R** *Castilleja jepsonii* Bacig. & Heckard 20850  
I 20850 U.S. - California 20850
- V** *Castilleja kaibabensis* N. Holmgren 20850  
V 20850 U.S. - Arizona 20850
- R** *Castilleja lemmonii* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E** *Castilleja levisecta* Greenm. 20850, 10701  
E 20850 Canada - British Columbia 20850  
Ex 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- Ex/E** *Castilleja ludoviciana* Pennell 20850, 14662  
I 20850 U.S. - Louisiana 20850
- R** *Castilleja martinii* Abrams 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R** *Castilleja martinii* (Pennell) N. Holmgren var.  
*clokeyi* (Pennell) N. Holmgren 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- R** *Castilleja mcvaughii* N. Holmgren 10089  
R 19850 Mexico - Jalisco 21204
- V** *Castilleja mendocinensis* (Eastw.) Pennell 20850  
V 20850 U.S. - California 20850
- E** *Castilleja mollis* Pennell 20850  
E 20850 U.S. - California 20850
- V** *Castilleja montigena* Heckard 20850  
I 20850 U.S. - California 20850
- R** *Castilleja nana* Eastw. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Castilleja*

- E** *Castilleja neglecta* Zeile 20850  
E 20850 U.S. - California 20850
- V** *Castilleja nervata* Eastw. 20850  
I 20850 U.S. - Arizona 20850  
R 20883 Mexico 20883
- R** *Castilleja nivea* Pennell & Ownbey 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V** *Castilleja parviflora* (G.N. Jones) Ownbey var. *olympica* (G.N. Jones) Ownbey 20850  
I 20850 U.S. - Washington 20850
- E** *Castilleja parviflora* Bong. var. *oreopola* (Greenm.) Ownbey 20850  
I 20850 U.S. - Alaska 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- V** *Castilleja parvula* Rydb. 20850  
V 20850 U.S. - Utah 20850
- V** *Castilleja peckiana* Pennell 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850\*
- V** *Castilleja peirsonii* Eastw. 20850  
I 20850 U.S. - California 20850
- R** *Castilleja pilosa* (Pennell) N. Holmgren var. *steenensis* (Pennell) N. Holmgren 20850  
R 20850 U.S. - Oregon 20850
- V** *Castilleja praeterita* Heckard & Bacig. 20850  
I 20850 U.S. - California 20850
- V** *Castilleja puberula* Rydb. 20850  
I 20850 U.S. - Colorado 20850
- R** *Castilleja pulchella* Rydb. 20850  
E 20850 U.S. - Idaho 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Utah 20850  
R 20850 U.S. - Wyoming 20850
- V** *Castilleja revealii* N. Holmgren 20850, 19002  
V 20850 U.S. - Utah 20850
- V** *Castilleja rubida* Piper 20850  
V 20850 U.S. - Oregon 20850
- V** *Castilleja rupicola* Piper ex Fern. 20850, 10701  
E 20850 Canada - British Columbia 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- E** *Castilleja salsuginosa* N. Holmgren 20850  
E 20850 U.S. - Nevada 20850
- V** *Castilleja schizotricha* Greenm. 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- R** *Castilleja schrenkii* Rebrist. 20171  
R former European USSR
- R** *Castilleja subinclusa* Greene 20850  
I 20850 U.S. - California 20850
- Ex/E** *Castilleja uliginosa* Eastw. 20850  
Ex 20850 U.S. - California 20850
- R** *Castilleja venusta* Rzed. 10071  
R 19755 Mexico 10071
- V** *Castilleja wightii* Elmer 20850  
I 20850 U.S. - California 20850
- R** *Castilleja yukonis* Pennell 20850  
I 20850 Canada - Mackenzie 20850  
I 20850 Canada - Yukon Territory 20850
- I** 20850 U.S. - Alaska 20850
- R** *Celsia mairei* Murb.  
R Morocco
- R** *Celsia pinnatisecta* Battand. 10488  
R 14958 Algeria 10488
- R** *Celsia valentina* Font Quer 20171  
R Spain
- R** *Chaenorhinum glareosum* (Boiss.) Willk. 20171  
R 11496 Spain (Sierra Nevada) 11496
- R** *Chaenorhinum idaeum* Rech.f. 20171  
R 20730 Greece - Crete 20730
- R** *Chaenorhinum rubrifolium* (Robill. & Castagne ex DC.) Fourr. ssp. *formenterae* (Gandoger) R. Fernandes 20171  
R Spain - Balearic Is.
- V** *Chaenorhinum serpyllifolium* (Lange) Lange ssp. *lusitanicum* R. Fernandes 17891, 20171  
V 20076 Portugal 17891
- E** *Chaenorhinum tenellum* (Cav.) Lange 20171  
E 20692 Spain (Valencia) 20692
- E** *Chaenorhinum minus* (L.) Lange ssp. *pseudorubrifolium* Gamisans 20528  
E 20528 France - Corsica 20528
- V** *Charadrophila capensis* Marloth 20604  
V 20604 South Africa - Cape Province 20604
- E** *Cheilophyllum dentatum* Urban 5607  
E 19105 Cuba (Matanzas; Villa Clara) 5607
- V** *Cheilophyllum jamaicense* Pennell 13336  
V 13336 Jamaica (Clarendon, St. Elizabeth) 19486
- E** *Cheilophyllum micranthum* Urban 5607  
E 19105 Cuba (Ciego de Avila; Camaguey) 5607
- E** *Cheilophyllum microphyllum* Pennell 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V** *Cheilophyllum sphaerocarpum* Urban 5607  
V 19105 Cuba (Villa Clara) 5607
- R** *Chelone cuthbertii* Small 20850  
E 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Virginia 20850
- R** *Chelone obliqua* L. var. *speciosa* Pennell & Wherry 20850  
Ex/E 20850 U.S. - Arkansas 20850  
R 20850 U.S. - Illinois 20850  
R 20850 U.S. - Indiana 20850  
Ex/E 20850 U.S. - Iowa 20850  
R 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Michigan 20850  
I 20850 U.S. - Minnesota 20850  
E 20850 U.S. - Missouri 20850
- I** *Chionohebe glabra* (Cheesem.) M.J. Heads 19305  
I 19305 New Zealand 19305
- I** *Christisonia saulieri* Dunn  
I India - Tamil Nadu
- I** *Christisonia subcaulis* (Benth.) Gardner  
I India - Tamil Nadu (Tirunelveli Hills)
- I** *Christisonia thwaitesii* Trimen 10252  
I 16162 Sri Lanka 10252
- E** *Cistanche tubulosa* (Shrenk) Wight 11139  
E China - Xinjiang Uygur Zizhiq 11139

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Cistanche*

- V *Collinsia antonina* Hardham 20850  
E 20850 U.S. - California 20850
- V *Collinsia callosa* Parish 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Collinsia childii* Parry ex Gray 20850  
I 20850 U.S. - California 20850
- R *Collinsia concolor* Greene 20850  
I 20850 U.S. - California 20850
- V *Collinsia corymbosa* Herder 20850  
V 20850 U.S. - California 20850
- V *Collinsia multicolor* Lindl. & Paxton 20850  
V 20850 U.S. - California 20850
- V *Collinsia parryi* Gray 20850  
I 20850 U.S. - California 20850
- R *Collinsia tinctoria* Hartw. ex Benth. 20850  
I 20850 U.S. - California 20850
- R *Collinsia torreyi* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Cordylanthus eremicus* (Coville & Morton) Munz 20850  
I 20850 U.S. - California 20850
- R *Cordylanthus eremicus* (Coville & Morton) Munz ssp. *eremicus* 20850  
I 20850 U.S. - California 20850
- E *Cordylanthus eremicus* (Coville & Morton) Munz ssp. *kernensis* Chuang & Heckard 20850  
I 20850 U.S. - California 20850
- R *Cordylanthus kingii* S.Watson ssp. *kingii* 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- R *Cordylanthus laxiflorus* Gray 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- R *Cordylanthus maritimus* Nutt. ex Benth. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850  
V 20850 U.S. - Utah 20850
- V *Cordylanthus maritimus* Nutt. ex Benth. ssp. *maritimus* 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883  
? Mexico - Baja California Peninsula 8058
- V *Cordylanthus maritimus* Nutt. ex Benth. ssp. *palustris* (Behr) Chuang & Heckard 20850  
V 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- V *Cordylanthus mollis* S.Gray 20850  
I 20850 U.S. - California 20850
- V *Cordylanthus mollis* A.Gray ssp. *hispidus* (Pennell) Chuang & Heckard 20850  
V 20850 U.S. - California 20850
- E *Cordylanthus mollis* A.Gray ssp. *mollis* 20850  
E 20850 U.S. - California 20850
- V *Cordylanthus nevinii* Gray 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- E *Cordylanthus nidularius* J.T. Howell 20850
- E 20850 U.S. - California 20850
- V *Cordylanthus orcuttianus* Gray 20850  
E 20850 U.S. - California 20850
- E *Cordylanthus palmatus* (Ferris) J.F. Macbr. 20850, 17796  
E 20850 U.S. - California 20850
- R *Cordylanthus pilosus* Gray 20850  
I 20850 U.S. - California 20850
- R *Cordylanthus pilosus* Gray ssp. *hansenii* (Ferris) Chuang & Heckard 20850  
I 20850 U.S. - California 20850
- V *Cordylanthus pringlei* Gray 20850  
I 20850 U.S. - California 20850
- E *Cordylanthus rigidus* (Benth.) Jepson ssp. *littoralis* (Ferris) Chuang & Heckard 20850  
E 20850 U.S. - California 20850
- V *Cordylanthus tecopensis* Munz & Roos 20850  
E 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- E *Cordylanthus tenuis* A.Gray ssp. *barbatus* Chuang & Heckard 20850  
E 20850 U.S. - California 20850
- E *Cordylanthus tenuis* A.Gray ssp. *brunneus* (Jepson) Munz 20850  
I 20850 U.S. - California 20850
- E *Cordylanthus tenuis* A.Gray ssp. *capillaris* (Pennell) Chuang & Heckard 20850, 10260  
E 20850 U.S. - California 20850
- E *Cordylanthus tenuis* A.Gray ssp. *pallescens* (Pennell) Chuang & Heckard 20850, 10260  
E 20850 U.S. - California 20850
- R *Cordylanthus tenuis* A.Gray ssp. *viscidus* (T.J. Howell) Chuang & Heckard 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Cymbalaria muelleri* (Moris) A. Chev. 20171  
R Italy - Sardinia
- R *Derwentia arenaria* (Benth.) B.G.Briggs & Ehrend. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R *Derwentia decorosa* (F.Muell.) B.G.Briggs & Ehrend. 20681  
R 20681 Australia - South Australia 20681
- R *Derwentia nivea* (Lindley) B.G.Briggs & Ehrend. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- I *Diascia austromontana* K.E.Steiner 20604  
I 20604 Lesotho 20604  
I 20604 South Africa - Natal 20604
- I *Diascia heterandra* Benth. 20604  
I 20604 South Africa - Cape Province 20604
- R *Diascia insignis* K.E.Steiner 20604  
R 20604 South Africa - Cape Province 20604
- V *Diascia lewisiae* K.E.Steiner 20604  
V 20604 South Africa - Cape Province 20604
- R *Diascia patens* (Thunb.) Fourc. 20604  
R 20604 South Africa - Cape Province 20604
- I *Diascia tugelensis* Hilliard & B.L.Burt 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Diascia*

- I 20604 South Africa - Natal 20604  
 I 20604 South Africa - Orange Free State 20604
- I** *Diascia vigilis* Hilliard & B.L.Burt 20604  
 I 20604 Lesotho 20604  
 I 20604 South Africa - Natal 20604  
 I 20604 South Africa - Orange Free State 20604
- I** *Diclis stellaroides* Hiern 20604  
 I 20604 South Africa - Cape Province 20604
- E** *Digitalis atlantica* Pomel 10488  
 E 14958 Algeria 10488
- R** *Digitalis dubia* Rodriguez ssp. *palaui* Garc. Font. & Marcos  
 R Spain - Balearic Is.
- R** *Digitalis leucophaea* Smith ssp. *leucophaea*  
 R Greece
- V** *Diplacus aridus* Abrams 20850, 8058  
 I 20850 U.S. - California 20850
- V** *Diplacus aurantiacus* W. Curtis ssp. *australis* (McMinn) R.M. Beeks 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus calycinus* Eastw. 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus clevelandii* (Brandeg.) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus fasciculatus* (Pennell) McMinn 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus linearis* (Benth.) Greene 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus lom pocensis* McMinn 20850  
 I 20850 U.S. - California 20850
- V** *Diplacus parviflorus* Greene 20850  
 I 20850 U.S. - California 20850
- R** *Diplacus puniceus* Nutt. 20850  
 I 20850 U.S. - California 20850
- R** *Diplacus rutilus* (A.L. Grant) McMinn 20850  
 I 20850 U.S. - California 20850
- R** *Euphrasia alsa* F.Muell. 20681  
 R 20681 Australia - New South Wales 20681
- V** *Euphrasia amphisysepala* W.R.Barker 20681  
 V 20681 Australia - Tasmania 20681
- R** *Euphrasia arctica* Lange ex Rostr. ssp. *minor* Yeo 20171  
 R 18216 Denmark 18216
- Ex** *Euphrasia arguta* R.Br. 20681, 14223  
 Ex 20681 Australia - New South Wales 14223
- I** *Euphrasia azorica* H.C.Watson 8000, 20171  
 I Portugal - Azores 8000
- V** *Euphrasia bella* S.T.Blake 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- V** *Euphrasia bowdeniae* W.R.Barker 20681  
 V 20681 Australia - New South Wales 20681
- R** *Euphrasia calida* Yeo 20085, 20171  
 R 20085 Iceland 20085
- R** *Euphrasia cambrica* Pugsley 8000, 20171  
 R 5387 United Kingdom (Caernarvonshire) 19232
- R** *Euphrasia campbelliae* Pugsley 20171  
 R 5387 United Kingdom (Scotland - Isle of Lewis) 8000
- R** *Euphrasia christii* Favrat 18154, 20171  
 I Italy 8000  
 R 18154 Switzerland 18154
- E** *Euphrasia collina* R.Br. ssp. *muelleri* (Wettst.) W.R.Barker 20681  
 Ex/E 20681 Australia - New South Wales 20681  
 Ex/E 20681 Australia - South Australia 20681  
 E 20681 Australia - Victoria 20681
- E** *Euphrasia collina* R.Br. ssp. *osbornii* W.R.Barker 20681  
 E 20681 Australia - South Australia 20681
- R** *Euphrasia collina* R.Br. ssp. *trichocalycina* (Gand.) W.R.Barker 20681  
 I 20681 Australia - South Australia 20681  
 I 20681 Australia - Victoria 20681
- R** *Euphrasia dunensis* Wüinst. 18216, 20171  
 R 18216 Denmark 18216
- V** *Euphrasia eichleri* Barker 20681  
 V 20681 Australia - Victoria 20681
- I** *Euphrasia exaristata* Smejkal 6951, 20171  
 I 19321 Slovakia (Vysoké Tatry mountains) 6951
- E** *Euphrasia formosissima* Skotts. 19116  
 E 19125 Chile - Juan Fernandez Is. 19116
- V** *Euphrasia genargentea* (Feoli) Diana Corrias 17891  
 V 18264 Italy - Sardinia 18264
- R** *Euphrasia gibbsiae* Du Rietz ssp. *comberi* (Du Rietz) W.R.Barker 20681  
 R 20681 Australia - Tasmania 20681
- R** *Euphrasia gibbsiae* Du Rietz ssp. *discolor* W.R.Barker 20681  
 R 20681 Australia - Tasmania 20681
- R** *Euphrasia gibbsiae* Du Rietz ssp. *microdonta* W.R.Barker 20681  
 R 20681 Australia - Tasmania 20681
- R** *Euphrasia gibbsiae* Du Rietz ssp. *pulvinestris* W.R.Barker 20681  
 R 20681 Australia - Tasmania 20681
- I** *Euphrasia grandiflora* Hochst. 8000, 20171  
 I Portugal - Azores 8000
- R** *Euphrasia hachijoensis* Nakai 10573  
 R 10573 Japan 10573
- R** *Euphrasia heslop-harrisonii* Pugsley 8000, 20171  
 R 5387 United Kingdom (North Scotland) 19232
- V** *Euphrasia insignis* Wettst. var. *idzuensis* (Takeda) Yamaz. 10573  
 V 10573 Japan 10573
- R** *Euphrasia insignis* Wettst. var. *iinumai* (Takeda) Yamaz. 10573  
 R 10573 Japan 10573
- R** *Euphrasia insignis* Wettst. var. *pubigera* (Koidz.) Murata 10573  
 R 10573 Japan 10573
- R** *Euphrasia marchesettii* Wettst. 8000, 20171  
 V 18264 Italy 19997  
 R Slovenia 19997
- R** *Euphrasia maximowiczii* Wettst. var. *calcareae* Yamaz. 10573  
 R 10573 Japan 10573
- V** *Euphrasia mendoncae* Samp. 8000, 20171  
 V 20076 Portugal (north east) 8000

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Euphrasia*

- R** *Euphrasia microphylla* Koidz. 10573  
**R** 10573 Japan 10573
- Ex/E** *Euphrasia omissis* Y. Kimura 10573  
**Ex/E** 10573 Japan 10573
- R** *Euphrasia orthocheila* W.R.Barker 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Euphrasia phragmostoma* W.R.Barker 20681  
**V** 20681 Australia - Tasmania 20681
- R** *Euphrasia ramulosa* W.R.Barker 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Euphrasia rivularis* Pugsley 20171  
**R** 5387 United Kingdom (Wales and N.W. England) 8000
- R** *Euphrasia rotundifolia* Pugsley 20171  
**R** 5387 United Kingdom (N. Scotland) 8000
- R** *Euphrasia salisburgensis* Funck var. *schoenicola* Yeo. 18216  
**R** 20083 Sweden 18216
- V** *Euphrasia semipicta* W.R.Barker 20681  
**V** 20681 Australia - Tasmania 20681
- I** *Euphrasia slovacica* (P.F. Yeo) Holub 2050  
**I** 2050 Czech Republic 2050  
**V** 19321 Slovakia 19321
- I** *Euphrasia stipitata* Smejkal  
**I** Czech Republic  
**I** Slovakia
- R** *Euphrasia tarokoana* Ohwi 20511  
**R** 20511 Taiwan 20511
- R** *Euphrasia vigursii* Davey 20171  
**R** 5387 United Kingdom (S.W. England) 8000
- V** *Euphrasia willkommii* Freyn 20171  
**V** Spain
- R** *Freylinia crispa* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Freylinia decurrens* Levyns ex Van Jaarsv. 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Freylinia longiflora* Benth. 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Freylinia visseri* Van Jaarsv. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Freylinia vlokii* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Galvezia leucantha* Wiggins ssp. *leucantha* 11117  
**R** Ecuador - Galapagos 11117
- E** *Galvezia leucantha* Wiggins ssp. *pubescens* Wiggins 11117  
**E** 14980 Ecuador - Galapagos (Rabida) 11117
- V** *Gambelia speciosa* Nutt. 20850  
**I** 20850 U.S. - California 20850
- V** *Gibsoniothamnus cornutus* (A. Gentry) D'Arcy var. *latidentatus* (A. Gentry) D'Arcy 20883, 9006  
**I** 20883 Panama 20883
- V** *Gibsoniothamnus mirificus* A. Gentry 20883, 9006  
**I** 20883 Panama 20883
- E** *Graderia fruticosa* Balf. f. 15534  
**E** 15534 Yemen - Socotra 15534
- V** *Gratiola heterosepala* Mason & Bacig. 20850  
**V** 20850 U.S. - California 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Hebe acutiflora* Cockayne 86  
**V** 19305 New Zealand - North Is. 19305
- R** *Hebe adamsii* 19305  
**R** 19305 New Zealand - North Is. 19305
- V** *Hebe armstrongii* (J. Armstr.) Cockayne & Allan 86  
**V** 19305 New Zealand - South Is. 19305
- V** *Hebe barkeri* (Cockayne) Cockayne 86  
**V** 19305 New Zealand - Chatham Is. 19106
- R** *Hebe biggarii* Cockayne  
**R** New Zealand - South Is.
- E** *Hebe breviracemosa* (W. Oliver) Cockayne & Allan 86  
**E** 19305 New Zealand - Kermadec Is. (Raoul I.) 8177
- V** *Hebe cupressoides* (Hook.f.) Cockayne & Allan 86  
**V** 19305 New Zealand - South Is. 19305
- R** *Hebe dieffenbachii* 19305  
**R** 19305 New Zealand - Chatham Is. 19305
- R** *Hebe macrocarpa* (Vahl) Cockayne & Allan var. *brevifolia* (Cheeseman) L. Moore  
**R** New Zealand - North Is.
- R** *Hebe poppelwellii* (Cockayne) Cockayne & Allan  
**R** New Zealand - South Is.
- I** *Hebe ramosissima* Simpson & J. Thomson  
**I** New Zealand - South Is.
- V** *Hebe speciosa* (R.Cunn. ex A.Cunn.) Andersen 19305, 20171  
**V** 19305 New Zealand - North Is. 19305
- E** *Hemianthus reflexus* C. Wright 19105  
**E** 19105 Cuba (Pinar del Rio) 19105
- E** *Holmgrenanthe pterophila* (Coville & Morton) Elisens 20850  
**E** 20850 U.S. - California 20850
- V** *Howelliella ovata* (Eastw.) Rothm. 20850  
**V** 20850 U.S. - California 20850
- R** *Ilysanthes congesta* A. Raynal  
**R** Senegal
- R** *Isoplexis canariensis* (L.) Loud. 17534  
**R** 17534 Spain - Canary Is. 17534
- E** *Isoplexis chalcantha* Svent. & O'Shanahan 17534  
**E** 17534 Spain - Canary Is. 17534
- E** *Isoplexis isabelliana* (Webb & Berthel.) Morris 10260  
**E** 20750 Spain - Canary Is. 17534
- R** *Isoplexis sceptrum* (L.f.) Loudon  
**R** Portugal - Madeira
- V** *Jamesbrittenia incisa* (Thunb.) Hilliard 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Jamesbrittenia megaphylla* Hilliard 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Kickxia aegyptiaca* (L.) Nab. ssp. *tibestica* Wick.  
**R** Chad
- E** *Kickxia aegyptiaca* (L.) Nab. ssp. *virgata* Wick.  
**E** Sudan
- R** *Kickxia judaica* Danin 8895  
**R** Israel 8895

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Kickxia*

- E** *Kickxia macilenta* (Decne.) Danin 16168  
**E** 16168 Egypt (S. Sinai) 16168
- V** *Kickxia pendula* (Kunkel) Kunkel  
**V** 20750 Spain - Canary Is. 20750
- I** *Kickxia scariosepala* Tackh. & Boulos  
**I** Egypt
- R** *Kickxia scoparia* (Spreng.) Kunkel & Sunding  
**R** Spain - Canary Is.
- V** *Kickxia urbanii* (Pitard) K. Larsen  
**V** Spain - Canary Is.
- R** *Lafuentea jeanpertiana* Maire  
**R** Morocco
- R** *Lafuentea rotundifolia* Lag. 20171  
**R** 20692 Spain (Betic Mountains) 20692
- R** *Lagotis takedana* Miyabe & Tatew. 10573  
**R** 10573 Japan 10573
- R** *Lagotis uralensis* Schischk. 20171  
**R** former European USSR
- R** *Lagotis yezoensis* Tatew. 10573  
**R** 10573 Japan 10573
- R** *Lathraea rhodopea* Dingler 5204, 20171  
**R** 5204 Bulgaria 5204  
**R** Greece
- E** *Lendneria ageratifolia* (C. Wright) Pennell 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- V** *Limnophila cana* Griff. 14872  
**V** 14872 Bangladesh 14872
- I** *Limnophila parviflora* Yamaz. 19120  
**I** 19120 Thailand 19120
- I** *Limnophila siamensis* Yamaz. 19120  
**I** 19120 Thailand 19120
- I** *Limnophila verticillata* Yamaz. 19120  
**I** 19120 Thailand 19120
- V** *Limosella granitica* W.R.Barker 20681  
**V** 20681 Australia - South Australia 20681
- E** *Limosella pubiflora* Pennell 20850, 14662  
**Ex/E** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - New Mexico 20850
- R** *Linaria aeruginea* (Gouan) Cav. ssp. *pruinosa*  
 Chater & B. Valdes 20171  
**R** 20727 Spain - Balearic Is. 20727
- V** *Linaria algarviana* Chav. 8000, 20171  
**V** 14155 Portugal (W. Algarve) 14155
- R** *Linaria alpina* Müller ssp. *petraea* (Jord.)  
 Rouy 18154  
**I** France  
**R** 18154 Switzerland 18154
- R** *Linaria amoi* Campo ex Amo 20171  
**R** 20660 Spain (Málaga, Sierra Tejeda, Sierra Almirajá)  
 11496
- R** *Linaria arabiniana* M.B.Crespo, De la Torre & J.L.  
 Solanas 20692  
**R** 20692 Spain (near Benidorm, Alicante province)  
 20692
- R** *Linaria arcusangeli* Atzei & Camarda 18264  
**R** 18264 Italy - Sardinia 18264
- R** *Linaria arenicola* Pau & Font Quer  
**R** Morocco
- R** *Linaria benitori* Fernandez Casas  
**R** Spain (Cabo de Gata)
- I** *Linaria Biebersteinii* Besser 20171  
**I** former European USSR
- E** *Linaria burceiziana* Maire 10488  
**E** 14958 Algeria 10488
- R** *Linaria cavanillesii* Chav. 20171  
**R** 20692 Spain (east) 20692
- R** *Linaria chalapensis* (L.) Miller var. *brevicalyx*  
 Davis 12840  
**R** 12840 Turkey 12840
- R** *Linaria clementei* Haens. ex Boiss. 20171  
**R** 20660 Spain (Málaga, Sierra Mijas, Sierra Blanca)  
 11496
- V** *Linaria coutinhoi* Valdés 8000, 20171  
**V** 20076 Portugal (northern) 8000
- V** *Linaria cretacea* Fisch. ex Spreng. 20171  
**V** former European USSR
- R** *Linaria decipiens* Battand. 10488  
**R** 14958 Algeria 10488
- R** *Linaria depauperata* Leresche ex Lange ssp.  
*hegelmaierii* (Lange) De la Torre, Alcaraz &  
 M.B.Crespo 20692  
**R** 20692 Spain (north of Alicante province)  
 20692
- R** *Linaria faucicola* Leresche & Levier 20171  
**R** Spain
- V** *Linaria flava* (Poiret) Desf. var. *corsica*  
 (Sommier) Fiori 15080  
**V** 15080 France - Corsica 15080
- R** *Linaria gattefossei* Maire & M. Weiller  
**R** Morocco
- R** *Linaria genistifolia* (L.) Miller ssp. *polyclada*  
 (Fenzl) Davis 12840  
**R** 12840 Turkey 12840
- R** *Linaria glacialis* Boiss. 20171  
**R** Spain
- E** *Linaria hellenica* Turrill 17891, 20171  
**E** Greece 17891
- R** *Linaria huteri* Lange 20171  
**R** Spain
- R** *Linaria kurdica* Boiss. & Hohen ssp. *ericalyx*  
 (Boiss.) Davis 12840  
**R** 12840 Turkey 12840
- R** *Linaria lamarckii* Rouy 20076, 20171  
**V** 20076 Portugal 20076  
**R** 20660 Spain (Huelva) 5403
- R** *Linaria microsepala* A.Kern. 20171  
**R** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Linaria nevadensis* (Boiss.) Boiss. & Reut. 20171  
**R** Spain
- R** *Linaria nigricans* Lange 20171  
**R** Spain
- V** *Linaria orbensis* Carretero & Boira 20692  
**V** 20692 Spain (near Orba, Alicante province)  
 20692
- R** *Linaria platycalyx* Boiss. 20171  
**R** 20664 Spain (Cádiz, Málaga) 20664
- V** *Linaria ricardoii* Cout. 8000, 20171  
**V** 20076 Portugal (south) 8000

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Linaria*

- R** *Linaria thymifolia* (Vahl) DC. 20171  
**R** 20528 France (west coast) 20528
- R** *Linaria tonzigi* Lona 8000, 20171  
**R** 14155 Italy 8000
- R** *Linaria tursica* B. Valdes & Cabezudo 17891  
**R** 20874 Spain (Huelva, Doñana, Cádiz) 19818
- R** *Linaria weilleri* Emberger & Maire  
**R** Morocco
- V** *Lindenbergia arabica* (S. Moore) Hartl. 20146  
**V** 20146 Oman (western Hajar) 20146
- E** *Lindernia alterniflora* (C. Wright) Alain 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- I** *Lindernia cephalantha* Yamaz. 19120  
**I** 19120 Thailand 19120
- I** *Lindernia khaoyaiensis* Yamaz. 19120  
**I** 19120 Thailand 19120
- I** *Lindernia maxwellii* Yamaz. 19120  
**I** 19120 Thailand 19120
- I** *Lindernia minima* (Benth.) Mukherjee  
**I** India - Tamil Nadu
- V** *Lindernia multicaulis* (Urban) Alain 5607  
**V** 19105 Cuba (Matanzas; Cienfuegos) 5607
- I** *Lindernia rivularis* Kerr ex Barnett 19120  
**I** 19120 Thailand 19120
- R** *Lindernia rupestris* W.R.Barker ms. 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Lindernia satakei* Yamaz. 19120  
**I** 19120 Thailand 19120
- R** *Lindernia setulosa* (Maxim.) Tuy. 10573  
**R** 10573 Japan 10573
- R** *Lophospermum chiapense* Elisens 16387  
**R** 16387 Mexico - Chiapas 16387
- R** *Mabrya coccinea* (I.M. Johnston) Elisens 16387  
**R** 16387 Mexico - Coahuila 16387
- R** *Mabrya flaviflora* (I.M. Johnston) D. Sutton 16387  
**R** 16387 Mexico - Baja California Peninsula 16387
- R** *Mabrya geniculata* (H. Robinson & Fern.) Elisens var. *lanata* Elisens 16387  
**R** 16387 Mexico - Sonora 16387
- R** *Macranthera flammea* (Bartr.) Pennell 20850  
**V** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Louisiana 20850  
**R** 20850 U.S. - Mississippi 20850
- I** *Manulea cinerea* Hilliard 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Manulea florifera* Hilliard & B.L.Burt 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Manulea incana* Thunb. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Manulea ovatifolia* Hilliard 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Manulea ramulosa* Hilliard 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Mazus novaezeelandiae* 19305  
**V** 19305 New Zealand - North Is. 19305  
**V** 19305 New Zealand - South Is. 19305
- R** *Melampyrum arvense* L. var. *elatius* Boiss. 12840  
**R** 12840 Turkey 12840
- V** *Melampyrum ciliatum* Boiss. & Heldr. 20171  
**V** Greece
- R** *Melampyrum doerfleri* Ronniger 20178, 20171  
**R** 20178 Albania 20178  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Melampyrum heracleoticum* Boiss. & Orph. 20178, 20171  
**R** 20178 Albania 20178  
**R** Greece  
**R** (former) Yugoslavia 20178
- R** *Melampyrum laxum* Miq. var. *yakusimense* Tuy. 10573  
**R** 10573 Japan 10573
- R** *Melampyrum trichocalycinum* Vandas 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Melanospermum rudolfii* Hilliard 20604  
**R** 20604 South Africa - Transvaal 20604
- Ex/E** *Micranthemum micranthemoides* (Nutt.) Wettst. 20850, 14662  
**Ex** 20850 U.S. - Delaware 20850  
**Ex** 20850 U.S. - District of Columbia 20850  
**Ex/E** 20850 U.S. - Maryland 20850  
**Ex/E** 20850 U.S. - New Jersey 20850  
**Ex** 20850 U.S. - New York 20850  
**Ex** 20850 U.S. - Pennsylvania 20850  
**Ex/E** 20850 U.S. - Virginia 20850
- E** *Micranthemum rotundatum* C. Wright 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- V** *Mimulus acutidens* Greene 20850  
**I** 20850 U.S. - California 20850
- R** *Mimulus androsaceus* Curran ex Greene 20850  
**I** 20850 U.S. - California 20850
- E** *Mimulus angustifolius* (Greene) A.L. Grant 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Mimulus arenarius* A.L. Grant 20850  
**I** 20850 U.S. - California 20850
- R** *Mimulus barbatus* Greene 20850  
**I** 20850 U.S. - California 20850
- V** *Mimulus biolettii* Eastw. 20850  
**I** 20850 U.S. - California 20850
- V** *Mimulus brachiatus* Pennell 20850  
**V** 20850 U.S. - California 20850
- Ex** *Mimulus brandegei* Pennell 20850, 14662  
**Ex** 20850 U.S. - California 20850
- R** *Mimulus cleistogamus* J.T. Howell 20850  
**I** 20850 U.S. - California 20850
- V** *Mimulus dentilobus* B.L. Robins. & Fern. 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850
- R** *Mimulus dudleyi* A.L. Grant 20850  
**I** 20850 U.S. - California 20850
- R** *Mimulus eastwoodiae* Rydb. 20850  
**I** 20850 U.S. - Arizona 20850  
**E** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Nevada 20850  
**R** 20850 U.S. - Utah 20850
- V** *Mimulus exiguus* Gray 20850



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Mimulus*

- V 20850 U.S. - California 20850
- V *Mimulus filicaulis* S.Watson 20850  
V 20850 U.S. - California 20850
- V *Mimulus gemmiparus* W.A. Weber 20850  
V 20850 U.S. - Colorado 20850
- E *Mimulus glabratus* H.B. K. var. *michiganensis* (Pennell) Fassett 20850  
E 20850 U.S. - Michigan 20850
- V *Mimulus glaucescens* Greene 20850  
V 20850 U.S. - California 20850
- V *Mimulus gracilipes* B.L. Robins. 20850  
I 20850 U.S. - California 20850
- E *Mimulus hymenophyllus* Meinke 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Oregon 20850
- R *Mimulus johnstonii* A.L. Grant 20850  
I 20850 U.S. - California 20850
- V *Mimulus jungermannioides* Suksdorf 20850  
V 20850 U.S. - Oregon 20850  
Ex 20850 U.S. - Washington 20850
- E *Mimulus latifolius* Gray 20850  
I 20850 U.S. - California 20850
- V *Mimulus mohavensis* J.G. Lemmon 20850  
V 20850 U.S. - California 20850
- R *Mimulus montioides* Gray 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Mimulus norrisii* Heckard & Shevock 20850  
V 20850 U.S. - California 20850
- V *Mimulus nudatus* Curran ex Greene 20850  
I 20850 U.S. - California 20850
- V *Mimulus ovatus* (Gray) N. Holmgren 20850  
V 20850 U.S. - Nevada 20850
- R *Mimulus parishii* Greene 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Mimulus pictus* (Curran ex Greene) Gray 20850  
R 20850 U.S. - California 20850
- R *Mimulus platycalyx* Pennell 20850  
I 20850 U.S. - California 20850
- R *Mimulus platylaemus* Pennell 20850  
I 20850 U.S. - California 20850
- V *Mimulus purpureus* A.L. Grant var. *purpureus* 20850  
V 20850 U.S. - California 20850
- R *Mimulus rattanii* Gray 20850  
I 20850 U.S. - California 20850
- R *Mimulus rattanii* Gray var. *decurtatus* (A.L. Grant) Pennell 20850  
R 20850 U.S. - California 20850
- V *Mimulus ringens* L. var. *colpophilus* Fern. 20850  
I 20850 Canada - Quebec 20850  
V 20850 U.S. - Maine 20850  
I 20850 U.S. - Vermont 20850
- R *Mimulus rupicola* Coville & A.L. Grant 20850  
R 20850 U.S. - California 20850
- E *Mimulus shevockii* Heckard & Bacig. 20850  
E 20850 U.S. - California 20850
- R *Mimulus spissus* A.L. Grant 20850
- I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- V *Mimulus subsecundus* Gray 20850  
V 20850 U.S. - California 20850
- Ex *Mimulus traskiae* A.L. Grant 20850, 14662  
Ex 20850 U.S. - California 20850
- V *Mimulus verbenaceus* Greene 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Utah 20850
- R *Mimulus washingtonensis* Gandog. 20850  
I 20850 U.S. - Idaho 20850  
R 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850  
I 20850 U.S. - Wyoming 20850
- Ex *Mimulus whipplei* A.L. Grant 20850, 14662  
Ex 20850 U.S. - California 20850
- V *Mimulus whitneyi* Gray 20850  
I 20850 U.S. - California 20850
- R *Misopates rivas-martinezii* 15846  
R 15846 Spain 15846
- V *Monttea chilensis* Gay 15088  
V 13875 Chile 13875
- I *Nathaliella alaica* B. Fedtsch. 5942  
I 5942 Kyrgyzstan (south) 5942  
I 5942 Tajikistan 5942
- R *Necranthus orobanchioides* Gilli 12840  
R 12840 Turkey 12840
- R *Nemesia chrysolopha* Diels 20604  
R 20604 South Africa - Cape Province 20604
- E *Nemesia micrantha* Hiern 20604  
E 20604 South Africa - Cape Province 20604
- R *Nemesia picta* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- R *Nemesia saccata* E.Mey. ex Benth. 20604  
R 20604 South Africa - Cape Province 20604
- R *Nemesia strumosa* Benth. 20604  
R 20604 South Africa - Cape Province 20604
- E *Neopicrorhiza scrophulariiflora* (Pennell) Hong 17617  
E 17617 China - Xizang Zizhiqu 11139  
E 17617 China - Yunnan 11139
- R *Odontites asturicus* (Lainz) Lainz  
R Spain
- E *Odontites discolor* Pomel 10488  
E 14958 Algeria 10488
- R *Odontites fradini* Pomel 10488  
R 14958 Algeria 10488
- E *Odontites granatensis* Boiss. 15398, 20171  
E 15398 Spain 15398
- V *Odontites holliana* (Lowe) Benth. 17891  
V Portugal - Madeira 17891
- I *Odontites jaubertiana* (Boreau) D.Dietr. ex Walp. 20171  
I France (west, central & south)
- R *Orobanche armena* Tzvelev 12840  
R 12840 Turkey 12840
- Ex/E *Orobanche berthelotii* Webb & Berthel. 20216  
Ex/E 20216 Spain - Canary Is. (Tenerife) 20216
- R *Orobanche boninsimae* (Maxim.) Tuy. 8037

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Orobanche*

- R 19134 Japan - Ogasawara-shoto 8037
- R *Orobanche densiflora* Salzmänn form *melitensis*  
Beck 13351
- R 17933 Malta (Mellieha Bay and Ramla tat-Torri)  
17933
- R *Orobanche ducellieri* Maire 10488
- R 14958 Algeria 10488
- R *Orobanche fuscovinosa* Maire  
R Morocco
- R *Orobanche hadroantha* Beck 12840  
R 12840 Turkey 12840
- R *Orobanche haenseleri* Reut. 20171  
R Spain
- R *Orobanche hookeriana* Ball  
R Morocco
- R *Orobanche humbertii* Maire  
R Morocco
- R *Orobanche leptantha* Pomel 10488  
R 14958 Algeria 10488
- V *Orobanche parishii* (Jepson) Heckard ssp. *brachyloba*  
Heckard 20850  
V 20850 U.S. - California 20850
- R *Orobanche schweinfurthii* G. Beck  
R Egypt
- V *Orobanche sideana* Gilli 12840  
V 12840 Turkey 12840
- E *Orobanche solenanthi* Novopokr. & Pissjauka  
E former USSR 6930
- R *Orobanche trichocalyx* (Webb & Berthel.) Beck 20171  
V 20076 Portugal 20076  
R Spain
- E *Orobanche valida* Jepson ssp. *valida* 20850  
E 20850 U.S. - California 20850
- V *Orobanche vallicola* (Jepson) Heckard 20850  
I 20850 U.S. - California 20850
- E *Orthocarpus bachystachyus* Gray 20850  
E 20850 U.S. - California 20850
- R *Orthocarpus bracteosus* Benth. 20850, 10701  
V 20850 Canada - British Columbia 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Maryland 20850  
I 20850 U.S. - New York 20850  
I 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- Ex *Orthocarpus pachystachyus* Gray 20850, 14662  
Ex 20850 U.S. - California 20850
- R *Otacanthus villosus* Philcox 11530  
R 11530 Brazil 11530
- R *Parahebe lithophila* B.G. Briggs & Ehrend. 20681  
R 20681 Australia - New South Wales 20681
- R *Parahebe trifida* W. Oliver  
R New Zealand - South Is.
- R *Parentucellia floribunda* Viv.  
R Libya
- R *Paulownia taiwaniana* Hu & Cheng 20511  
R 20511 Taiwan 20511
- V *Pedicularis angustifolia* Benth. 20850  
V 20850 U.S. - New Mexico 20850
- R *Pedicularis asparagoides* Lapeyr. 20171  
V 20528 France (Pyrenees) 20528
- R Spain (east Pyrenees) 20171
- R *Pedicularis baumgartenii* Simonk. 17823, 20171  
R 19949 Romania 20631
- V *Pedicularis bracteosa* Benth. ex Hook. var. *flavida*  
(Pennell) Cronq. 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- V *Pedicularis contorta* N. Reese var. *rubicunda* N.  
Reese 20850  
I 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850
- V *Pedicularis dudleyi* Elmer 20850  
V 20850 U.S. - California 20850
- R *Pedicularis ferdinandi* Bornm. 20171  
R (former) Yugoslavia
- V *Pedicularis furbishiae* S. Watson 20850, 4321  
E 20850 Canada - New Brunswick 20850  
V 20850 U.S. - Maine 20850
- R *Pedicularis glabra* McVaugh & Mellichamp 10096  
R 19850 Mexico 10096
- R *Pedicularis heterodonta* Pancic 20171  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R *Pedicularis howellii* Gray 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Oregon 20850
- R *Pedicularis limnogenae* A. Kern. 20171  
R Greece  
R 19949 Romania 19417  
R (former) Yugoslavia
- R *Pedicularis nanfutashanensis* Yamazaki 20511  
R 20511 Taiwan 20511
- E *Pedicularis numidica* Pomel 10488  
E 14958 Algeria 10488
- R *Pedicularis ochiaiana* Makino 10573  
R 10573 Japan 10573
- R *Pedicularis olympica* Boiss. 12840  
R 12840 Turkey 12840
- V *Pedicularis parryi* (Greene) G.D. Carr ssp.  
*mogollonica* (Greene) G.D. Carr 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
V 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R *Pedicularis pulchella* Pennell 20850  
I 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- V *Pedicularis rainierensis* Pennell & Warren 20850  
V 20850 U.S. - Washington 20850
- R *Pedicularis refracta* Maxim. 10573  
R 10573 Japan 10573
- R *Pedicularis resupinata* L. var. *microphylla*  
Honda 10573  
R 10573 Japan 10573
- V *Pedicularis semibarbata* Gray var. *charlestonensis*  
Pennell & Clokey 20850  
V 20850 U.S. - Nevada 20850
- I *Pedicularis siamensis* Tsoong  
I Thailand (Doi Chiangdao)

The 1997 IUCN Red List of Threatened Plants  
Magnoliopsida (dicots): Scrophulariaceae: *Pedicularis*

- V** *Pedicularis sudetica* Willd. ssp. *sudetica* 20800  
V 20800 Poland 20800
- R** *Pedicularis trippinata* Martens & Galeotti 10096  
R 19755 Mexico 10096
- V** *Penstemon absarokensis* Evert 20850  
V 20850 U.S. - Wyoming 20850
- R** *Penstemon acaulis* L.O. Williams 20850  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- V** *Penstemon alamosensis* Pennell & Nisbet 20850  
V 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- V** *Penstemon albomarginatus* M.E. Jones 20850  
V 20850 U.S. - Arizona 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Nevada 20850
- V** *Penstemon ammophilus* N. Holmgren & L. Shultz 20850  
V 20850 U.S. - Utah 20850
- V** *Penstemon angustifolius* Nutt. ex Pursh var. *dulcis* Neese 20850  
V 20850 U.S. - Utah 20850
- R** *Penstemon angustifolius* Nutt. ex Pursh var. *vernalisensis* H. Holmgren 20850  
I 20850 U.S. - Colorado 20850  
R 20850 U.S. - Utah 20850
- V** *Penstemon arenarius* Greene 20850  
V 20850 U.S. - Nevada 20850
- V** *Penstemon atwoodii* Welsh 20850  
V 20850 U.S. - Utah 20850
- R** *Penstemon barbatus* (Cav.) Roth ssp. *trichander* (Gray) Keck 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- R** *Penstemon barnebyi* N. Holmgren 20850  
E 20850 U.S. - California 20850  
R 20850 U.S. - Nevada 20850
- V** *Penstemon barrettiae* Gray 20850  
V 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- V** *Penstemon bicolor* (Brandeg.) Clokey & Keck 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Penstemon bicolor* (Brandege) Clokey & Keck ssp. *bicolor* 20850  
V 20850 U.S. - Nevada 20850
- V** *Penstemon bicolor* (Brandege) Clokey & Keck ssp. *roseus* Clokey & Keck 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850
- V** *Penstemon bracteatus* Keck 20850  
V 20850 U.S. - Utah 20850
- R** *Penstemon breviculus* (Keck) Nisbet & R.C. Jackson 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- R** *Penstemon caesius* Gray 20850  
I 20850 U.S. - California 20850
- V** *Penstemon calcareus* Brandeg. 20850  
I 20850 U.S. - California 20850
- Ex/E** *Penstemon campanulatus* (Cav.) Willd. 20850  
Ex/E 20850 U.S. - New Mexico 20850
- R** *Penstemon cardinalis* Woot. & Standl. 20850  
R 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- V** *Penstemon cardinalis* Woot. & Standl. ssp. *cardinalis* 20850  
V 20850 U.S. - New Mexico 20850
- V** *Penstemon cardinalis* Woot. & Standl. ssp. *regalis* (A. Nels.) Nisbet & R.C. Jackson 20850  
V 20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R** *Penstemon caryi* Pennell 20850  
R 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- R** *Penstemon clevelandii* Gray ssp. *clevelandii* 20850  
I 20850 U.S. - California 20850
- R** *Penstemon clevelandii* Gray ssp. *mohavensis* Keck 20850  
I 20850 U.S. - California 20850
- V** *Penstemon clutei* A. Nels. 20850  
V 20850 U.S. - Arizona 20850
- V** *Penstemon compactus* (Keck) Crosswhite 20850  
V 20850 U.S. - Idaho 20850  
V 20850 U.S. - Utah 20850
- R** *Penstemon concinnus* Keck 20850  
V 20850 U.S. - Nevada 20850  
R 20850 U.S. - Utah 20850
- R** *Penstemon confusus* M.E. Jones 20850  
I 20850 U.S. - Nevada 20850  
R 20850 U.S. - Utah 20850
- E** *Penstemon crandallii* A. Nels. ssp. *atratus* Keck 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- V** *Penstemon crandallii* A. Nels. ssp. *procumbens* (Greene) Keck 20850  
I 20850 U.S. - Colorado 20850
- E** *Penstemon deamii* Pennell 20850  
I 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
I 20850 U.S. - Kentucky 20850
- E** *Penstemon debilis* O'Kane & J. Anderson 20850  
E 20850 U.S. - Colorado 20850
- V** *Penstemon degeneri* Crosswhite 20850  
V 20850 U.S. - Colorado 20850
- R** *Penstemon deustus* Dougl. ex Lindl. var. *pedicellatus* M.E. Jones 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850  
E 20850 U.S. - Utah 20850
- V** *Penstemon deustus* (Suksdorf) Pennell & Keck var. *variabilis* (Suksdorf) Cronq. 20850  
I 20850 U.S. - Oregon 20850  
E 20850 U.S. - Washington 20850
- E** *Penstemon discolor* Keck 20850  
E 20850 U.S. - Arizona 20850
- V** *Penstemon dissectus* Ell. 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Penstemon*

- V 20850 U.S. - Georgia 20850
- V *Penstemon distans* N. Holmgren 20850  
V 20850 U.S. - Arizona 20850
- E *Penstemon dolius* M. E. Jones ex Pennell var. *duchesnensis* N. Holmgren 20850  
E 20850 U.S. - Utah 20850
- V *Penstemon eriantherus* (Piper) A. Nels. var. *whitedii* (Piper) A. Nels. 20850  
I 20850 U.S. - Washington 20850
- V *Penstemon filiformis* (Keck) Keck 20850  
V 20850 U.S. - California 20850
- R *Penstemon flavescens* Pennell 20850  
I 20850 U.S. - Idaho 20850  
R 20850 U.S. - Montana 20850
- V *Penstemon floribundus* D. Danley 20850  
V 20850 U.S. - Nevada 20850
- R *Penstemon floridus* Brandeg. 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Penstemon floridus* Brandeg. var. *austinii* (Eastw.) N. Holmgren 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R *Penstemon floridus* Brandeg. var. *floridus* 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Penstemon flowersii* Neese & Welsh 20850, 11630  
V 20850 U.S. - Utah 20850
- R *Penstemon fruticiformis* Coville 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V *Penstemon fruticiformis* Coville ssp. *amargosae* Keck 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- V *Penstemon fruticiformis* Coville ssp. *fruticiformis* 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- E *Penstemon gibbensii* Dorn 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- R *Penstemon glaucinus* Pennell 20850  
R 20850 U.S. - Oregon 20850
- V *Penstemon goodrichii* N. Holmgren 20850  
V 20850 U.S. - Utah 20850
- V *Penstemon grahamii* Keck 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- R *Penstemon grinnellii* Eastw. 20850  
I 20850 U.S. - California 20850
- R *Penstemon grinnellii* Eastw. ssp. *grinnellii* 20850  
I 20850 U.S. - California 20850
- R *Penstemon grinnellii* Eastw. ssp. *scrophularioides* (M.E. Jones) Munz 20850  
I 20850 U.S. - California 20850
- R *Penstemon guadalupensis* Heller 20850  
R 20850 U.S. - Texas 20850
- R *Penstemon harringtonii* Penl. 20850  
R 20850 U.S. - Colorado 20850
- E *Penstemon haydenii* S.Watson 20850  
E 20850 U.S. - Nebraska (Cherry; Hooker; Garden Co.) 20850
- R *Penstemon heterodoxus* Gray ssp. *cephalophorus* (Greene) Keck 20850  
I 20850 U.S. - California 20850
- V *Penstemon humilis* (Pennell) Keck ssp. *obtusifolius* (Pennell) Keck 20850  
V 20850 U.S. - Utah 20850
- E *Penstemon idahoensis* Atwood & Welsh 20850  
E 20850 U.S. - Idaho 20850  
E 20850 U.S. - Utah 20850
- R *Penstemon incertus* Brandeg. 20850  
I 20850 U.S. - California 20850
- R *Penstemon kingii* S.Watson 20850  
R 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Penstemon laevis* Pennell 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- R *Penstemon laricifolius* Hook & Arn. ssp. *exilifolius* (A. Nels.) Keck 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Wyoming 20850
- R *Penstemon leiophyllus* Pennell 20850  
R 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- E *Penstemon leiophyllus* Pennell var. *francisci-pennellii* (Crosswhite) N. Holmgren 20850  
E 20850 U.S. - Nevada 20850
- V *Penstemon leiophyllus* Pennell var. *keckii* (Clokey) N. Holmgren 20850  
V 20850 U.S. - Nevada 20850
- R *Penstemon lemhiensis* (Keck) Keck & Cronq. 20850  
R 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850
- V *Penstemon leonardii* (N. Holmgren) Neese var. *patricus* (N. Holmgren) Neese 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- Ex/E *Penstemon leptanthus* Pennell 20850, 14662  
Ex/E 20850 U.S. - Utah 20850
- E *Penstemon linarioides* Gray ssp. *maguirei* Keck 20850  
E 20850 U.S. - Arizona 20850  
Ex/E 20850 U.S. - New Mexico 20850
- E *Penstemon marcusii* (Keck) N. Holmgren 20850  
E 20850 U.S. - Utah 20850
- R *Penstemon mensarum* Pennell 20850  
R 20850 U.S. - Colorado 20850
- R *Penstemon monoensis* Heller 20850  
I 20850 U.S. - California 20850
- E *Penstemon moriahensis* N. Holmgren 20850  
E 20850 U.S. - Nevada 20850
- R *Penstemon nanus* Keck 20850  
R 20850 U.S. - Utah 20850
- E *Penstemon navajoa* N. Holmgren 20850  
E 20850 U.S. - Utah 20850
- V *Penstemon nudiflorus* Gray 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Penstemon*

- I 20850 U.S. - Arizona 20850
- R** *Penstemon oklahomensis* Pennell 20850  
R 20850 U.S. - Oklahoma 20850
- V** *Penstemon osterhoutii* Pennell 20850  
V 20850 U.S. - Colorado 20850
- V** *Penstemon pahutensis* N. Holmgren 20850  
I 20850 U.S. - California 20850  
V 20850 U.S. - Nevada 20850
- Ex/E** *Penstemon parviflorus* Pennell 20850, 14662  
Ex/E 20850 U.S. - Colorado 20850  
Ex 20850 U.S. - New Mexico 20850
- V** *Penstemon parvus* Pennell 20850  
V 20850 U.S. - Utah 20850
- E** *Penstemon patens* (M.E. Jones) N. Holmgren 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- R** *Penstemon paysoniorum* Keck 20850  
R 20850 U.S. - Wyoming 20850
- R** *Penstemon peckii* Pennell 20850  
R 20850 U.S. - Oregon 20850
- E** *Penstemon penlandii* W.A. Weber 20850, 14845  
E 20850 U.S. - Colorado (Grand Co.) 20850
- V** *Penstemon perpulcher* A. Nels. 20850  
I 20850 U.S. - Idaho 20850  
I 20850 U.S. - Oregon 20850
- V** *Penstemon personatus* Keck 20850  
V 20850 U.S. - California 20850
- V** *Penstemon petiolatus* Brandeg. 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
E 20850 U.S. - Utah 20850
- E** *Penstemon pinorum* L. & J. Shultz 20850  
E 20850 U.S. - Utah 20850
- V** *Penstemon platyphyllus* Rydb. 20850  
I 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- V** *Penstemon procerus* Douglas ex Graham var. *modestus* (Greene) N. Holmgren 20850  
V 20850 U.S. - Nevada 20850
- R** *Penstemon pseudospectabilis* M.E. Jones 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850
- E** *Penstemon pudicus* Reveal & Beatley 20850  
E 20850 U.S. - Nevada 20850
- V** *Penstemon rattanii* Gray ssp. *kleei* (Greene) Keck 20850  
V 20850 U.S. - California 20850
- R** *Penstemon retrorsus* Payson ex Pennell 20850  
R 20850 U.S. - Colorado 20850
- V** *Penstemon rubicundus* Keck 20850  
V 20850 U.S. - Nevada 20850
- V** *Penstemon scapoides* Keck 20850  
I 20850 U.S. - California 20850
- E** *Penstemon scariosus* Pennell var. *albifluvis* (England) N. Holmgren 20850  
E 20850 U.S. - Colorado 20850  
E 20850 U.S. - Utah 20850
- R** *Penstemon scariosus* Pennell var. *garrettii* (Pennell) N. Holmgren 20850
- R** 20850 U.S. - Utah 20850
- V** *Penstemon shastensis* Keck 20850  
I 20850 U.S. - California 20850
- V** *Penstemon spectabilis* Keck ssp. *subviscosus* Keck 20850  
I 20850 U.S. - California 20850
- V** *Penstemon stephensii* Brandeg. 20850  
V 20850 U.S. - California 20850
- R** *Penstemon strictiformis* Rydb. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Utah 20850
- V** *Penstemon subulatus* M.E. Jones 20850  
I 20850 U.S. - Arizona 20850
- V** *Penstemon sudans* M.E. Jones 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V** *Penstemon teucrioides* Greene 20850  
I 20850 U.S. - Colorado 20850
- V** *Penstemon thompsoniae* (A. Gray) Rydb. ssp. *jaegeri* Keck 20850  
V 20850 U.S. - Nevada 20850
- V** *Penstemon tidestromii* Pennell 20850  
V 20850 U.S. - Utah 20850
- E** *Penstemon tracyi* Keck 20850  
E 20850 U.S. - California 20850
- R** *Penstemon triflorus* Heller 20850  
I 20850 U.S. - Texas 20850
- R** *Penstemon triflorus* Heller ssp. *integrifolius* Pennell 20850  
R 20850 U.S. - Texas 20850
- R** *Penstemon triflorus* Heller ssp. *triflorus* 20850  
I 20850 U.S. - Texas 20850
- R** *Penstemon uintahensis* Pennell 20850  
R 20850 U.S. - Utah 20850
- V** *Penstemon wardii* Gray 20850  
V 20850 U.S. - Utah 20850
- R** *Penstemon washingtonensis* Keck 20850  
I 20850 U.S. - Washington 20850
- R** *Penstemon wrightii* Hook. 20850  
R 20850 U.S. - Texas 20850
- R** *Penstemon yampaensis* Penl. 20850  
R 20850 U.S. - Colorado 20850  
I 20850 U.S. - Utah 20850
- R** *Phyllopodium dolomiticum* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- I** *Phyllopodium lupuliforme* (Thell.) Hilliard 20604  
I 20604 South Africa - Cape Province 20604
- R** *Phyllopodium tweedense* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- R** *Physocalyx scaberrimus* Philcox 11530  
R 11530 Brazil 11530
- R** *Polycarena comptonii* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- R** *Porodittia triandra* (Cavanilles) G. Don 20883  
R 20883 Peru 20883
- R** *Pseudolysimachion kiusiana* (Furumi) Yamaz. var.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Pseudolysimachion*

- kitadakemontana* Yamaz. 10573  
R 10573 Japan 10573
- R *Pseudolysimachion ogurae* Yamaz. 10573  
R 10573 Japan 10573
- R *Pseudolysimachion ornatum* (Monjus) Yamaz. 10573  
R 10573 Japan 10573
- R *Pseudolysimachion sieboldianum* (Miq.) Yamaz. 10573  
R 10573 Japan 10573
- R *Pseudolysimachion subsessilis* (Miq.) Yamaz. 10573  
R 10573 Japan 10573
- R *Reyemia chasmanthiflora* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- I *Rhamphicarpa medwedewii* Albov 5942  
I 5942 Georgia 5942
- R *Rhinanthus dinaricus* Murb. 20171  
R (former) Yugoslavia
- E *Rhinanthus halophilus* U.Schneid. 20171  
E Germany
- E *Rhinanthus osiliensis* (Ronn. & Saarson)  
Vassilez. 5942, 20620  
E 18216 Estonia (Saaremaa) 5942
- R *Rhinanthus pindicus* (Sterneck) Soó 20171  
R Greece
- Ex *Rhinanthus serotinus* ssp. *arenarius* 18216  
Ex 18216 Germany (Mecklenburg-Vorpommern state)  
18216
- R *Rhinanthus serotinus* (Schönh.) Oborny ssp.  
*halophilus* (U. Schneid.) Hartl 18216  
R 18216 Denmark 18216  
E 18216 Germany (Mecklenburg-Vorpommern state)  
18216
- R *Rhynchocorys odontophylla* Burbridge & Richard 12840  
R 12840 Turkey 12840
- V *Sairocarpus subcordatus* (Gray) D.A. Sutton 20850  
V 20850 U.S. - California 20850
- R *Sairocarpus vexilloalcyulatus* (Kellogg) D.A.  
Sutton 20850  
I 20850 U.S. - California 20850
- V *Schwalbea americana* L. 20850  
Ex/E 20850 U.S. - Alabama 20850  
Ex/E 20850 U.S. - Connecticut 20850  
Ex/E 20850 U.S. - Delaware 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
Ex/E 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Louisiana 20850  
Ex 20850 U.S. - Maryland 20850  
Ex 20850 U.S. - Massachusetts 20850  
E 20850 U.S. - Mississippi 20850  
E 20850 U.S. - New Jersey 20850  
Ex 20850 U.S. - New York 20850  
E 20850 U.S. - North Carolina 20850  
V 20850 U.S. - South Carolina 20850  
Ex/E 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Texas 20850  
Ex/E 20850 U.S. - Virginia 20850
- R *Scrophularia amana* Lall 12840  
R 12840 Turkey 12840
- V *Scrophularia anagae* Bolle  
V Spain - Canary Is.
- V *Scrophularia atrata* Pennell 20850  
V 20850 U.S. - California 20850
- R *Scrophularia bitlisica* Lall 12840  
R 12840 Turkey 12840
- R *Scrophularia bosniaca* Beck 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- V *Scrophularia calliantha* Webb & Berthel. 20750  
V 20750 Spain - Canary Is. 20750
- R *Scrophularia candelabrum* Heywood 12840  
R 12840 Turkey 12840
- R *Scrophularia capillaris* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R *Scrophularia carduchorum* R. Mill. 12840  
R 12840 Turkey 12840
- I *Scrophularia cretacea* Fisch. ex Spreng. 5942, 20171  
I 5942 Russia (E. Europe) - South 5942  
I 5942 Ukraine 5942
- V *Scrophularia grandiflora* DC. ssp.  
*grandiflora* 8000, 20171  
V 20076 Portugal 8000
- R *Scrophularia gypsicola* Huber-Mor. & Iall 12840  
R 12840 Turkey 12840
- R *Scrophularia hirta* Lowe  
R Portugal - Madeira
- R *Scrophularia koraensis* Nakai 15957  
R 15923 Korea, South (Mt Chiri) 15957
- V *Scrophularia laevis* Woot. & Standl. 20850  
V 20850 U.S. - New Mexico 20850
- R *Scrophularia langeana* Bolle  
R Spain - Canary Is.
- R *Scrophularia lepidota* Boiss. 12840  
R 12840 Turkey 12840
- R *Scrophularia libanotica* Boiss. var. *antalyensis* Y.  
Ayasligil & R. Mill. 12840  
R 12840 Turkey 12840
- R *Scrophularia libanotica* Boiss. var. *nevshehirensis*  
R. Mill. 12840  
R 12840 Turkey 12840
- R *Scrophularia libanotica* Boiss. var. *oligantha*  
Heywood 12840  
R 12840 Turkey 12840
- R *Scrophularia lowei* Dalgaard  
R Portugal - Madeira
- V *Scrophularia macrantha* Greene ex Stiefelham 20850  
V 20850 U.S. - New Mexico 20850
- R *Scrophularia mersinensis* Lall 12840  
R 12840 Turkey 12840
- R *Scrophularia morisii* Valsecchi 18264  
R 18264 Italy - Sardinia 18264
- R *Scrophularia oblongifolia* Loisel. 20171  
R Spain
- R *Scrophularia oxyrhyncha* Coincy  
R Spain
- R *Scrophularia pumilio* Lall 12840  
R 12840 Turkey 12840
- R *Scrophularia racemosa* Lowe  
R Portugal - Madeira
- I *Scrophularia schousboei* Lange 20171  
I Spain
- R *Scrophularia scoplii* Hoppe ex Pers. var. *parryi* R.

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Scrophularia*

- Mill. 12840  
R 12840 Turkey 12840
- R *Scrophularia scopolii* Hoppe ex Pers. var. *burdurensis* (H. Pesmen) R. Mill. 12840  
R 12840 Turkey 12840
- R *Scrophularia scopolii* Hoppe ex Pers. var. *longirostrata* Heywood 12840  
R 12840 Turkey 12840
- R *Scrophularia serratifolia* Huber-Mor ex Lall 12840  
R 12840 Turkey 12840
- E *Scrophularia smithii* Hornem. ssp. *hierrensis* Dalgaard  
E Spain - Canary Is.
- R *Scrophularia smithii* Hornem. ssp. *smithii*  
R Spain - Canary Is
- I *Scrophularia spinulescens* Degen & Hausskn. 20171  
I Greece
- R *Scrophularia subsequiloba* Lall 12840  
R 12840 Turkey 12840
- R *Scrophularia taygetea* Boiss. 20171  
R Greece
- R *Scrophularia tenuipes* Coss. & Durieu 10488  
R 14958 Algeria 10488
- R *Scrophularia trisecta* Pau  
R 21091 Bosnia & Herzegovina 21091  
R Morocco
- R *Scrophularia versicolor* Boiss. 12840  
R 12840 Turkey 12840
- V *Scrophularia villosa* Pennell 20850  
V 20850 U.S. - California 20850
- I *Selago longicalyx* Hilliard 20604  
I 20604 South Africa - Natal 20604  
I 20604 South Africa - Transvaal 20604
- V *Selago longiflora* Rolfe 20604  
V 20604 South Africa - Natal 20604
- I *Selago monticola* J.M.Wood & M.S.Evans 20604  
I 20604 South Africa - Natal 20604
- E *Selago swaziensis* Rolfe 20604, 18023  
E 20604 Swaziland 20604
- V *Sibthorpia peregrina* L. 8000, 20171  
V Portugal - Madeira 8000
- I *Spirostegia bucharica* (B. Fedtsch.) Ivanina 5942  
I 5942 Uzbekistan (south) 5942
- E *Stemodia haegii* W.R.Barker ms. 20681  
E 20681 Australia - South Australia 20681
- R *Striga bilabiata* (Thunb.) Kuntze ssp. *jaegeri* Hepper 7926  
R Mali (Kita Massif) 7926  
R Senegal 7926
- R *Sutera canariensis* (Webb & Berth.) Sund. & Kunkel  
R Spain - Canary Is.
- R *Sutera fodina* Wild 7752  
R Zimbabwe 7752
- R *Sutera placida* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- I *Sutera racemosa* (Benth.) Kuntze 20604  
I 20604 South Africa - Cape Province 20604
- R *Sutera titanophila* Hilliard 20604  
R 20604 South Africa - Cape Province 20604
- R *Synthyris canbyi* Pennell 20850  
R 20850 U.S. - Montana 20850
- R *Synthyris laciniata* (Gray) Rydb. 20850  
I 20850 U.S. - Utah 20850
- Ex/E *Synthyris missurica* (Raf.) Pennell ssp. *hirsuta* Pennell 20850  
I 20850 U.S. - Oregon 20850
- V *Synthyris pinnatifida* S.Watson var. *lanuginosa* (Piper) Cronq. 20850  
V 20850 U.S. - Washington 20850
- R *Synthyris platycarpa* Gail & Pennell 20850  
R 20850 U.S. - Idaho 20850
- E *Synthyris ranunculina* Pennell 20850  
E 20850 U.S. - Nevada 20850
- V *Torenia ranongensis* Yamaz. 19120  
V 19120 Thailand 19120
- I *Torenia thailandica* Yamaz. 19120  
I 19120 Thailand 19120
- R *Tozzia alpina* L. ssp. *carpathica* 8000, 20171  
R 18216 Poland (Carpathians) 18216  
V 19321 Slovakia (Carpathians) 19321
- V *Triphysaria floribunda* (Benth.) Chuang & Heckard 20850  
V 20850 U.S. - California 20850
- R *Verbascum acaule* (Bory & Chaub.) Kuntze 20171  
R Greece
- R *Verbascum adeliae* Heldr. 20171  
R Greece
- R *Verbascum adenocarpum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum adenophorum* Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum afyonense* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum agastachyum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum amanum* Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum anastasioi* Nab. 12840  
R 12840 Turkey 12840
- R *Verbascum ancyritanum* Bornm. 12840  
R 12840 Turkey 12840
- V *Verbascum anisophyllum* Murb. 8000, 20171  
V 5204 Bulgaria (west) 8000
- R *Verbascum antitauricum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum apiculatum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum argenteum* Ten. 20171  
R Italy
- R *Verbascum ballsianum* Murb. 12840  
R 12840 Turkey 12840
- V *Verbascum basivelatum* Huber-Mor. 12840  
V 12840 Turkey 12840
- R *Verbascum bellum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum biledschikianum* Bornm. 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Verbascum*

- R *Verbascum biscutellifolium* Benth. 12840  
R 12840 Turkey 12840
- R *Verbascum bombyciferum* Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum botuliforme* Murb. 20171  
R Greece
- R *Verbascum bourgeauanum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum brandianum* Huber-Mor. 12840  
R 12840 Turkey 12840
- Ex *Verbascum calycosum* Hausskn. & Murb. 12840  
Ex 12840 Turkey 12840
- R *Verbascum campestre* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Verbascum cariense* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum cerinum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Verbascum charputense* Murb. var. *adenophorum*  
Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Verbascum chazaliei* Boiss. 12840  
V 12840 Turkey 12840
- R *Verbascum cheiranthifolium* Boiss. var. *heldreichii*  
Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum cheiranthifolium* Boiss. var. *obtusiusculum*  
Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum chionophyllum* Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum cholorostegium* Bornm. et Murb. 12840  
R 12840 Turkey 12840
- R *Verbascum chrysorrhacos* Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum cilicicum* Boiss. 12840  
R 12840 Turkey 12840
- R *Verbascum cilicium* (Boiss. et Heldr.) O.  
Kuntze 12840  
R 12840 Turkey 12840
- R *Verbascum conocarum* Moris ssp. *conradiae*  
Jeanmonod 15080  
R 20726 France - Corsica 15080
- R *Verbascum coronopifolium* (Boiss. et Bal.) O.  
Kuntz 12840  
R 12840 Turkey 12840
- R *Verbascum cucullatibracteatum* Huber et Mor. 12840  
R 12840 Turkey 12840
- I *Verbascum cylindrocarpum* Griseb. 20171  
I Greece
- E *Verbascum cylleneum* (Boiss. & Heldr.) Kuntze 20171  
E Greece
- R *Verbascum cymigerum* Huber et Mor. 12840  
R 12840 Turkey 12840
- V *Verbascum dalamanicum* Huber et Mor. 12840  
V 12840 Turkey 12840
- V *Verbascum davidoffii* Murb. 8000, 20171  
V 5204 Bulgaria (south) 5204
- R *Verbascum davisianum* Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum decursivum* Huber et Mor. 12840  
R 12840 Turkey 12840
- V *Verbascum degenii* Halácsy 12840, 20171  
V 19873 Turkey 12840
- R *Verbascum delphicum* Boiss. & Heldr. 20171  
R Greece
- R *Verbascum demirzianum* Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum detersile* Boiss. et Heldr. 12840  
R 12840 Turkey 12840
- R *Verbascum discolor* Murb. 12840  
R 12840 Turkey 12840
- R *Verbascum diversifolium* Hochst. 12840  
R 12840 Turkey 12840
- R *Verbascum dryophilum* Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum dudleyanum* (Huber et Mor.) Huber et  
Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum dumulosum* Davis et Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum durmitoreum* Rohlena 20171  
R (former) Yugoslavia
- R *Verbascum eleonarae* Huber et Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum eriocarpum* (Freyn & Sint.) Bornm. 12840  
R 12840 Turkey 12840
- R *Verbascum euboicum* Murb. & Rech.f. 20171  
R Greece
- R *Verbascum euphraticum* Benth. 12840  
R 12840 Turkey 12840
- I *Verbascum exuberans* Huber-Mor. 12840  
I 12840 Turkey 12840
- R *Verbascum flabellifolium* (Huber-Mor.)  
Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum flavipannosum* Huber-Mor. 12840  
R 12840 Turkey 12840
- V *Verbascum fontqueri* Benedi & J.M. Monts. 11496  
V 11496 Spain (Valencia province) 20692
- R *Verbascum freynii* (Sint.) Murb. 12840  
R 12840 Turkey 12840
- R *Verbascum germaniciae* Hausskn. 12840  
R 12840 Turkey 12840
- R *Verbascum globiferum* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum gracilescens* Huber-Mor. 12840  
R 12840 Turkey 12840
- R *Verbascum hadschinense* Freyn 12840  
R 12840 Turkey 12840
- R *Verbascum hajastanicum* Bordz. 8001  
R former USSR 6930
- V *Verbascum helianthomoides* Huber-Mor. 12840  
V 12840 Turkey 12840
- R *Verbascum hervieri* Degen 20171  
R Spain



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Verbascum*

- R** *Verbascum herzogii* Bornm. 20171  
**R** (former) Yugoslavia
- R** *Verbascum heterobarbatum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum heterodontum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum iconicum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum ikaricum* Murb.  
**R** Greece
- R** *Verbascum inaequale* Freyn & Sint. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum infidelium* Boiss. & Hausskn. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum inulifolium* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum isauricum* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum jankaeanum* Pancic 8000, 20171  
**V** 5204 Bulgaria (west) 5204
- R** *Verbascum lachnopus* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum laciniatum* (Poir.) Kuntze 20171  
**R** Spain
- R** *Verbascum latisepalum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum leiocarpum* Murb. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum leiranthoides* Murb. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum leptocladum* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum leuconeurum* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum linearilobum* (Boiss.) Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum linguifolium* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum litigiosum* Samp. 8000, 20171  
**V** 20076 Portugal 8000
- V** *Verbascum lobatum* Huber-Mor. 12840  
**V** 12840 Turkey 12840
- R** *Verbascum longipedicellatum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum luciliae* (Boiss.) O. Kuntz 12840  
**R** 12840 Turkey 12840
- R** *Verbascum luridifolium* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum lyratifolium* Kochel 12840  
**R** 12840 Turkey 12840
- R** *Verbascum macedonicum* Kosanin & Murb. 20171  
**R** (former) Yugoslavia
- V** *Verbascum maendri* Bornm. 12480  
**V** Turkey 12480
- R** *Verbascum meincheanum* Murb. 12480  
**R** Turkey 12480
- R** *Verbascum melitense* Huber-Mor. 12480  
**R** Turkey 12480
- R** *Verbascum microsepalum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum murbeckianum* Huber-Mor. 12480  
**R** Turkey 12480
- R** *Verbascum myrianthum* Boiss. 12480  
**R** Turkey 12480
- R** *Verbascum napifolium* Boiss. 12480  
**R** Turkey 12480
- R** *Verbascum nevadense* Boiss. 20171  
**R** Spain
- R** *Verbascum nicolai* Rohlena 20178, 20171  
**R** 20178 Albania 20178  
**R** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia 20178
- R** *Verbascum nudatum* Murb. 12480  
**R** Turkey 12480
- R** *Verbascum nudiusculum* Huber-Mor. 12480  
**R** Turkey 12480
- R** *Verbascum obtusifolium* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum olympicum* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum oocarpum* Murb. 12840  
**I** 2050 Czech Republic 2050  
**R** 12840 Turkey 12840
- R** *Verbascum orbicularifolium* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pallidiflorum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pelium* Halácsy 20171  
**R** Greece
- R** *Verbascum pellitum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pentelicum* Murb. 20171  
**R** Greece
- R** *Verbascum pestalozzae* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum petiolare* Boiss. & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Verbascum phrygium* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pinardii* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pinetorum* (Boiss.) O. Kuntze 12840  
**R** 12840 Turkey 12840
- R** *Verbascum prusianum* auct., non Boiss. 12840, 20171  
**R** 12840 Turkey 12840
- R** *Verbascum pseudoholotrichum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pseudovarians* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pterocalycinum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pterocladum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum pumiliforme* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum pumilum* Boiss. & Heldr. 12840  
**V** 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Verbascum*

- R** *Verbascum purpureum* (Janka) Hub.-Mor. 8000, 20171  
**R** 5204 Bulgaria (east) 5204  
**E** 19949 Romania (south Dobrogea) 19840  
**R** Turkey 8000
- V** *Verbascum pyroliforme* (Boiss. & Heldr.) O. Kuntze 12840  
**V** 12840 Turkey 12840
- R** *Verbascum reeseanum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum reiseri* Halácsy 20171  
**R** Greece
- R** *Verbascum renzii* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum rubricaulae* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum serpenticola* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum siculum* Tod. ex Lojac. 20171  
**R** Italy  
**R** Italy - Sicily
- R** *Verbascum simavicum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum smyrnaeum* Boiss. 12840  
**V** 12840 Turkey 12840
- R** *Verbascum songaricum* Schrenk ex Fisch. & Mey. ssp. *subdecurrens* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum sorgerae* (Huber-Mor.) Huber-Mor. 12840  
**R** 12840 Turkey 12840
- I** *Verbascum spathulisepalum* Greuter & Rech.f.  
**I** Greece
- R** *Verbascum spectabile* Bieb. var. *isandrum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum sphenandroides* C. Koch. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum spodiotrichum* (Huber-Mor.) Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum stachydifolium* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum stenocarpum* Boiss. & Heldr. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum stenostachyum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum stepporum* Huber-Mor. 12840  
**V** 12840 Turkey 12840
- R** *Verbascum subnivale* Boiss. & Hausskn. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum subserratum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- V** *Verbascum syriacum* Schrader  
**V** Greece
- R** *Verbascum tauri* Boiss. & Kotschy 12840  
**R** 12840 Turkey 12840
- R** *Verbascum tenue* Murb. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum tetrandrum* G. Barrante & Murb.  
**R** Morocco
- R** *Verbascum transolympicum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum trapifolium* (Stapf.) Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum trichostylum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum urceolatum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum urobracteatum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum vanense* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum varians* Freyn & Sint. var. *stepporum* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum varians* Freyn & Sint. var. *trapezunticum* Murb. 12840  
**R** 12840 Turkey 12840
- R** *Verbascum vulcanicum* Boiss. & Heldr. var. *viridans* Huber-Mor. 12840  
**R** 12840 Turkey 12840
- E** *Veronica allahuekerensis* Öztürk 12840  
**E** 12840 Turkey 12840
- I** *Veronica anagallis* L. var. *bracteosa* Blatter & Hallberg 7771  
**I** India - Rajasthan (Mt Abu, Sirohu District) 7771
- I** *Veronica anagallis-aquatica* L. var. *bracteata* Blatter & Hallberg  
**I** India - Rajasthan
- R** *Veronica antalyensis* Fischer, Erik & Sumbul 12840  
**R** 12840 Turkey 12840
- I** *Veronica beccabunga* L. var. *attenuata* Blatter & Hallberg  
**I** India - Rajasthan
- R** *Veronica bombycina* Boiss. et Kotschy ssp. *bolakardaghensis* Fischer 12840  
**R** 12840 Turkey 12840
- R** *Veronica bombycina* Boiss. & Kotschy ssp. *froediniana* Rech.f. 12840  
**R** 12840 Turkey 12840
- R** *Veronica cetikii* Öztürk 12840  
**R** 12840 Turkey 12840
- R** *Veronica cuneifolia* D. Don ssp. *massicytica* Fischer 12840  
**R** 12840 Turkey 12840
- I** *Veronica dabneyi* Hochst. 20171  
**I** Portugal - Azores
- R** *Veronica donii* Rommpp 12840  
**R** 12840 Turkey 12840
- I** *Veronica filifolia* Lipsky 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Veronica fredericae* Fischer 12840  
**R** 12840 Turkey 12840
- R** *Veronica fuhsii* Freyn & Sint. 12840  
**R** 12840 Turkey 12840
- R** *Veronica gentianoides* Vahl. ssp. *kopgeciensis* A. Öztürk 12840  
**R** 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Scrophulariaceae: *Veronica*

- R** *Veronica hispidula* Boiss. & Huet ssp. *ixodes*  
(Boiss. & Bal.) Fischer 12840  
**R** 12840 Turkey 12840
- R** *Veronica jabalambrensis* Pau  
**R** Spain
- E** *Veronica kaiseri* Tackh.  
**E** Egypt
- R** *Veronica kavusica* Rech.f. 19121, 20171  
**R** 20808 Greece (Kefallinia) 20808
- R** *Veronica kotschyana* Bentham 12840  
**R** 12840 Turkey 12840
- R** *Veronica lycica* E. Lehm. 12840  
**R** 12840 Turkey 12840
- R** *Veronica macrostachya* Vahl ssp. *sorgerae*  
Fischer 12840  
**R** 12840 Turkey 12840
- I** *Veronica micrantha* Hoffmanns. & Link 8000, 20171  
**I** 20874 Portugal 8000
- E** *Veronica micromeria* Woot. & Standl. 20850  
**I** 20850 U.S. - New Mexico 20850
- R** *Veronica montbretti* Fischer 12840  
**R** 12840 Turkey 12840
- E** *Veronica musa* Tackh. & Hadidi  
**E** Egypt
- E** *Veronica oetaea* L.-A. Gustavsson 17891  
**E** Greece 17891
- R** *Veronica oltensis* Woronow 12840  
**R** 12840 Turkey 12840
- R** *Veronica orientalis* Miller ssp. *carduchorum*  
Davis 12840  
**R** 12840 Turkey 12840
- R** *Veronica polium* Davis 12840  
**R** 12840 Turkey 12840
- R** *Veronica pusilla* Kotschy var. *erciyasdagi*  
(Fischer) Fischer 12840  
**R** 12840 Turkey 12840
- R** *Veronica quezelii* Fischer 12840  
**R** 12840 Turkey 12840
- R** *Veronica surculosa* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Veronica tauricola* Bornm. 12840  
**R** 12840 Turkey 12840
- R** *Veronica thymoides* Davis ssp. *thymoides* 12840  
**R** 12840 Turkey 12840
- R** *Veronica turrilliana* Stoj. & Stef. 5204, 20171  
**R** 5204 Bulgaria (east) 5204  
**R** Turkey (European) 2203
- E** *Veronicastrum liukiense* (Ohwi) Yamaz. 10573  
**E** 10573 Japan 10573
- E** *Veronicastrum tagawae* (Ohwi) Yamaz. 10573  
**E** 10573 Japan 10573
- E** *Veronicastrum villosum* Yamaz. 10573  
**E** 10573 Japan 10573
- Ex/E** *Wulfenia baldaccii* Degen 20178, 20171  
**Ex/E** 20178 Albania 20178
- E** *Xylocalyx aculeolatus* S. Carter 15534  
**E** 15534 Yemen - Socotra 15534

- E** *Xylocalyx asper* Balf. f. 15534  
**E** 15534 Yemen - Socotra 15534

**Scytopetalaceae**

Number of genera:	5
Number of species:	20
Recorded threatened species:	3 (15%)

Tropical western Africa.

- V** *Rhaptopetalum beguei* Mangenot 20274, 11631  
**V** 20858 Cameroon 18326  
**V** 20858 Côte d'Ivoire 11631  
**V** 20858 Equatorial Guinea - Bioko 18326  
**V** 20858 Gabon 18326  
**V** 20858 Ghana 20274  
**V** 20858 Nigeria (Ogoja & Calabar forests) 18326
- R** *Rhaptopetalum belingense* Letouzey  
**R** Gabon (Belinga)
- R** *Rhaptopetalum sindarense* Pellegrin  
**R** Gabon 20920

**Simaroubaceae**

Number of genera:	25
Number of species:	150
Recorded threatened species:	21 (14%)

Pantropical, some in warm temperate regions.

- R** *Ailanthus altissima* (Miller) Swingle var. *tanakai*  
(Hayata) Kaneh. & Sas. 20511  
**R** 20854 Taiwan (central) 20511
- R** *Ailanthus fordii* Nooteb.  
**R** Hong Kong
- V** *Alvaradoa jamaicensis* Benth. 20883  
**V** 20883 Jamaica 20883
- E** *Alvaradoa lewisii* Howard & Proctor 20883, 13336  
**E** 13336 Jamaica (Trelawny) 20883
- V** *Brucea macrocarpa* Stannard 20057  
**V** 20057 Kenya 20057
- R** *Castela macrophylla* Urb. 20883  
**R** 20883 Jamaica 20883
- V** *Castela victorinii* Acuna & Roig 5607  
**V** 19105 Cuba (Guantanamo) 5607
- V** *Gymnostemon zaïzou* Aubrev. & Pellegrin 7926  
**V** 20887 Côte d'Ivoire (Sassandra & Cavally forest) 7926
- R** *Hannoa kitombetombe* Gilbert 19358  
**R** 19358 Zaire (Haut-Katanga) 19358
- R** *Kirkia burgeri* B.Stannard ssp. *somalensis*  
B.Stannard 20884  
**R** 20884 Somalia (north) 20884
- R** *Kirkia dewinteri* Merxm. & Heine 20604  
**R** 20604 Namibia 20604
- V** *Nothospondias staudtii* Engl. 11631  
**V** 20858 Cameroon 7926  
**V** 20858 Côte d'Ivoire 11631  
**V** 20858 Gabon 7926  
**V** 20858 Ghana 20274  
**V** 20858 Nigeria 7926
- V** *Picramnia dwyeri* D.M. Porter 20883  
**I** 20883 Panama 20883
- V** *Picrasma cubensis* Radlk. & Urban 5607  
**V** 19105 Cuba (Pinar del Rio) 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Simaroubaceae: *Picrasma*

- V *Pierreodendron kerstingii* (Engl.) Little 7926  
 V 20858 Benin (Bassila Peninsula) 7954  
 V 20858 Côte d'Ivoire 7926  
 V 20858 Ghana 20274  
 V 20858 Togo 7926
- R *Quassia baileyana* (Oliver) Nootbe. 20681  
 R 20681 Australia - Queensland 20681
- V *Quassia bidwillii* (Hook.f.) Nootbe. 20681  
 V 20681 Australia - Queensland 20681
- V *Simaba praecox* Hassler 20883  
 V 20883 Paraguay 20883
- R *Simaba trichilioides* A.St.Hil. 20883  
 R 20883 Brazil 20883  
 R 20883 Paraguay 20883
- V *Soulamea cardioptera* Baillon 20893  
 V 20893 New Caledonia 20893
- I *Soulamea terminalioides* Baker 14296  
 I 19181 Seychelles (granitic) 14296

Solanaceae

Number of genera: 85  
 Number of species: 2,800  
 Recorded threatened species: 218 (7%)

Nearly cosmopolitan, especially tropical South America.

- R *Anthocercis angustifolia* F.Muell. 20681  
 R 20681 Australia - South Australia 20681
- E *Anthocercis gracilis* Benth. 20681  
 E 20681 Australia - Western Australia 20681
- I *Atropa komarovii* Blin. & Shalyt 5942  
 I 5942 Turkmenistan 5942
- R *Brunfelsia acunae* Hadac 5607  
 R 19105 Cuba (Holguin) 5607
- E *Brunfelsia clarensis* Britton & P. Wilson 5607  
 E 19105 Cuba (Villa Clara) 5607
- E *Brunfelsia densifolia* Krug & Urban 20883  
 I 20883 Puerto Rico 20883
- V *Brunfelsia dwyeri* D'Arcy 20883, 9006  
 E 19577 Panama 20883
- R *Brunfelsia jamaicensis* (Benth.) Griseb. 20883  
 R 20883 Jamaica 20883
- E *Brunfelsia lactea* Krug & Urban 20883  
 I 20883 Puerto Rico 20883
- V *Brunfelsia linearis* Ekman 5607  
 V 19105 Cuba (SC; Ho; Gu) 5607
- R *Brunfelsia membranacea* Urb. 20883, 13336  
 R 13336 Jamaica (St. Andrew, St. Catherine) 20883
- I *Brunfelsia picardae* Krug & Urb. 15229  
 I 15229 Haiti (La Visite & Macaya Parks) 15229
- R *Brunfelsia plicata* Urb. 20883  
 R 20883 Jamaica 20883
- R *Brunfelsia pluriflora* Urban 5607  
 R 19105 Cuba (Holguin) 5607
- E *Brunfelsia portoricensis* Krug & Urban 20883  
 I 20883 Puerto Rico 20883
- R *Brunfelsia splendida* Urb. 20883  
 R 20883 Jamaica 20883
- R *Brunfelsia undulata* Sw. 20883  
 R 20883 Jamaica 20883

- I 20883 Puerto Rico 20883  
 I 20883 Panama 20883
- R *Capsicum galapagoense* Hieser & P.G. Smith 11117  
 R Ecuador - Galapagos (Isabela, Santa Cruz) 11117
- E *Capsicum tovarii* Eshbaugh, Smith & Nickrent 18200  
 E 19965 Peru 18200
- R *Cestrum ekmanii* Urban & Schulz 5607  
 R 19105 Cuba (Guantanamo) 5607
- E *Cestrum gracile* Francey 20883, 9006  
 I 20883 Panama 20883
- V *Cestrum jacaltenaginum* Loes. var. *tomentosum* Francey 9006  
 V 16317 Panama 9006
- E *Cestrum jacaltenanginum* var. *tomentosum* Francey 20883  
 I 20883 Panama 20883
- E *Cestrum jimenezii* Alain 20883  
 I 20883 Dominican Republic 20883
- V *Cestrum johnniegentrianum* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Cestrum langeanum* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Cestrum moaense* Borh. & Muniz 5607  
 V 19105 Cuba (Holguin) 5607
- R *Cyphanthera anthocercidea* (F.Muell.) Haegi 20681  
 R 20681 Australia - Victoria 20681
- R *Cyphanthera scabrella* (Benth.) Miers 20681  
 R 20681 Australia - New South Wales 20681
- R *Cyphanthera tasmanica* Miers 20681  
 R 20681 Australia - Tasmania 20681
- R *Grabowskia glauca* (Phil.) Johnst. 13875  
 R 19536 Chile - Juan Fernandez Is. 19536  
 R 13875 Chile 13875
- R *Grammosolen truncatus* (Ising) Haegi 20681  
 R 20681 Australia - South Australia 20681
- V *Lycianthes acidochondra* (Bitt.) Bitt. 20883, 9006  
 I 20883 Panama 20883
- V *Lycianthes beckneriana* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes hawkesiana* D'Arcy 20883, 9006  
 I 20883 Panama 20883
- I *Lycianthes hortulana* Standley & L.O. Williams 9061  
 I 9730 Honduras 9061
- V *Lycianthes howardiana* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes hygrophila* Bitt. 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes luteyinii* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes maxonii* D'Arcy var. *grandidentata* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes porteriana* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- V *Lycianthes tysoniana* D'Arcy 20883, 9006  
 V 16317 Panama 20883
- I *Lycium acnistoides* Griseb. 5607  
 I 19105 Cuba 5607

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Solanaceae: *Lycium*

- E** *Lycium hassei* Greene 20850, 14662  
**E** 20850 U.S. - California 20850
- R** *Lycium minimum* C. Hitchc. 11117  
**R** Ecuador - Galapagos 11117
- R** *Lycium puberulum* (Correll) Chiang var. *berberioides*  
 (Correll) Chiang 20850  
**R** 20850 U.S. - Texas 20850
- E** *Lycium richii* Gray 20850  
**I** 20850 U.S. - California 20850
- V** *Lycium texanum* Correll 20850  
**V** 20850 U.S. - Texas 20850
- Ex** *Lycium verrucosum* Eastw. 20850, 8058  
**Ex** 20850 U.S. - California 20850  
**Ex** 14662 Mexico 8058
- Ex** *Mandragora autumnalis* Bertol. 20171  
**Ex** 20736 Spain - Balearic Is. 20736
- R** *Mandragora officinarum* L. 8000, 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**V** 18264 Italy (Veneto) 19997  
**R** (former) Yugoslavia 8000
- V** *Markea crosbiana* D'Arcy 20883, 9006  
**V** 16317 Panama 20883
- Ex** *Mellissia begonifolia* (Roxb.) Hook.f. 18996  
**Ex** 18996 St Helena 18996
- R** *Nicotiana africana* Merxm. 20604  
**R** 20604 Namibia 20604
- R** *Nicotiana burbidgeae* Symon 20681  
**R** 20681 Australia - South Australia 20681
- E** *Nicotiana cordifolia* Philippi 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- V** *Nicotiana fatuhivensis* F. Brown  
**V** French Polynesia - Marquesas Is
- R** *Nierembergia angustifolia* Kunth 10104  
**R** 19755 Mexico 10104
- V** *Nolana adansonii* (F. ex R. & S.) I.M. Johnston 18200  
**V** 9446 Peru 18200
- R** *Nolana balsamifera* (Gaudich.) Mesa 13875  
**R** 13875 Chile 13875
- R** *Nolana confinis* I.M. Johnston 18200  
**R** 9446 Peru 18200
- R** *Nolana galapagensis* (Christoph.) I.M. Johnston 11117  
**R** Ecuador - Galapagos 11117
- R** *Nolana inflata* Ruiz Lopez & Pavon 18200  
**R** 12468 Peru 18200
- R** *Nolana laxa* (Miers) I.M. Johnston 18200  
**R** 18200 Peru 18200
- V** *Nolana minor* Ferreyra 17208  
**V** 17208 Peru 18200
- E** *Nolana scaposa* Ferreyra 18200  
**E** 12468 Peru 18200
- E** *Nolana spathulata* Ruiz Lopez & Pavon 18200  
**E** 9446 Peru 18200
- E** *Nolana thinophila* I.M. Johnston 18200  
**E** 9446 Peru 18200
- V** *Nolana tomentella* Ferreyra 12468  
**V** 12468 Peru 12468
- E** *Normania nava* (Webb & Berthel.) Franc.-Ort. & R.M. Lister 20216  
**E** 20216 Spain - Canary Is. (Tenerife, Gran Canaria)
- 20216
- E** *Normania triphylla* (Lowe) Lowe 20216  
**E** 20216 Portugal - Madeira 20216
- E** *Nothocestrum breviflorum* Gray 20850, 14209, 21348, 21356  
**E** 20850 U.S. - Hawaii 20850
- E** *Nothocestrum latifolium* Gray 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Nothocestrum longifolium* Gray 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- E** *Nothocestrum peltatum* Skottsberg 20850, 14209, 21349  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Oryctes nevadensis* S.Watson 20850  
**E** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Pauia belladonna* Deb & R. Dutta  
**R** 13883 India - Arunachal Pradesh (Tirap) 13883
- R** *Physaliastrum savatieri* (Makino) Makino 10573  
**R** 10573 Japan 10573
- R** *Physalis arenicola* Kearney 20850  
**I** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Mississippi 20850
- I** *Physalis carmosa* Standley & Steyerl. 9004  
**I** 19904 Guatemala (San Marcos) 19904
- R** *Physalis carpenteri* Riddell ex Rydb. 20850  
**Ex/E** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Louisiana 20850
- R** *Physalis chamaesarachoides* Makino 10573  
**R** 10573 Japan 10573
- V** *Physalis crassifolia* Benth. var. *crassifolia* 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Physalis glutinosa* Schltd. 10102  
**R** 19755 Mexico 10102
- V** *Physalis latiphysa* Waterfall 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Physalis linii* Liu & Ou 20511  
**R** 20511 Taiwan 20511
- R** *Physalis parvianthera* Waterf. 10102  
**R** 19755 Mexico 10102
- V** *Physochlaina infundibularis* Kuang 11815  
**V** 20756 China - Hunan 20756  
**V** 20756 China - Shaanxi (Huashan; Shaluoping; 11815  
**V** 20756 China - Shanxi (south) 11815
- V** *Rahowardiana wardiana* D'Arcy 20883, 9006  
**V** 16317 Panama 20883
- R** *Salpichroa microloba* Keel 20883  
**E** 20883 Ecuador 20883  
**R** 20883 Peru 20883
- V** *Salpichroa microphylla* (Dunal) Keel 18200  
**V** 12468 Peru 18200
- V** *Salpichroa proboscidea* Benoist 18200  
**V** 12468 Peru 18200
- R** *Scopolia parviflora* (Dunn) Nakai  
**R** Korea, South

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Solanaceae: *Scopolia*

- R** *Solanandra hirsuta* Dunal 20883  
**R** 20883 Jamaica 20883
- R** *Solanum acropterum* Griseb. 20883  
**R** 20883 Jamaica 20883
- V** *Solanum acroscopicum* Ochoa 18200  
**V** 12468 Peru 18200
- I** *Solanum agrimonifolium* Rydberg. 19866  
**I** 19915 Guatemala 19866  
**I** 19915 Honduras (Morozán) 19866  
**I** 19915 Mexico - Chiapas 19866  
**I** 19915 Mexico - Oaxaca 19866
- R** *Solanum amnicola* S. Knapp 18200  
**R** 12468 Peru 18200
- V** *Solanum amotapense* Svenson 18200  
**V** 9446 Peru 18200
- E** *Solanum anamatophilum* Ochoa 18200  
**E** 12468 Peru 18200
- V** *Solanum antacochense* C. Ochoa 18200  
**V** 12468 Peru 18200
- R** *Solanum aviculare* Forst.f. var. *latifolium*  
 Baylis  
**R** New Zealand - North Is.
- E** *Solanum ayacuchense* Ochoa 18200  
**E** 12468 Peru 18200
- Ex/E** *Solanum bahamense* L. var. *rugelii*  
 D'Arcy 20850  
**Ex/E** 20850 U.S. - Florida 20850
- Ex** *Solanum bauerianum* Endl. 15112  
**Ex** 14223 Australia - NSW - Lord Howe Is. 14223  
**Ex** 19108 Australia - Norfolk Is. 15112
- R** *Solanum biflorum* Lour. var. *kotoensis* Liu &  
 Ou 20511  
**R** 20511 Taiwan 20511
- E** *Solanum bill-hookeri* Ochoa 13828  
**E** Brazil 13828
- V** *Solanum buesii* Vargas 18200  
**V** 12468 Peru 18200
- V** *Solanum bukasovii* Rybin var. *bukasovii* 18200  
**V** Peru
- I** *Solanum bulbocastanum* Dun. ssp. *partitum* (Corr.)  
 Hawkes 19866  
**I** 19915 Guatemala 19866  
**I** 19915 Mexico - Chiapas 19866
- Ex** *Solanum cajamarquense* Ochoa 18200  
**Ex** 12468 Peru 18200
- R** *Solanum cajanumense* Kunth 21107  
**V** 20883 Colombia 20883  
**R** 20883 Ecuador 20883  
**E** 20883 Peru (northern) 21037
- R** *Solanum cardiophyllum* Lindl. ssp. *lanceolatum*  
 (Berth.) Bitt. 19866  
**R** 19915 Mexico - Hidalgo 19866  
**R** 19915 Mexico - Oaxaca 19866  
**R** 19915 Mexico - Puebla 19866  
**R** 19915 Mexico - Tlaxcala 19866
- V** *Solanum carduiforme* F.Muell. 20681  
**V** 20681 Australia - Queensland 20681
- E** *Solanum carolinense* L. var. *hirsutum* (Nutt.)  
 Gray 20850  
**E** 20850 U.S. - Alabama 20850  
**Ex/E** 20850 U.S. - Georgia 20850
- R** *Solanum cerasiferum* Dunal ssp. *crepinii* (Van  
 Heurck) Bitter 7926  
**R** Senegal 7926
- R** *Solanum circinatum* Bohs ssp. *ramosa* 21107  
**R** 20883 Colombia (Magdalena, Cauca & Patia valleys)  
 21037
- I** *Solanum clarum* Correll 19866  
**I** 19915 Guatemala 19866  
**I** 19915 Mexico - Chiapas 19866
- E** *Solanum clerodendroides* Hutch. & Dalz. 7926  
**E** 20749 Nigeria (Eket) 7926
- Ex/E** *Solanum conocarpum* Dunal 20883, 14662  
**I** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. (St John) 20883
- V** *Solanum contumazaense* Ochoa 18200  
**V** 12468 Peru 18200
- I** *Solanum crassifolium* Lam. 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Solanum darienense* S. Knapp 20883, 10160  
**I** 20883 Panama 20883
- I** *Solanum davisense* M.D. Whalen 20883, 20850  
**I** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- R** *Solanum dimorphispinum* C.White 20681  
**R** 20681 Australia - Queensland 20681
- R** *Solanum diversifolium* Dunal ssp. *chloranthum*  
 (Rusby) Bohs 21107  
**V** 20883 Costa Rica (Alajuela & Limón) 21037  
**R** 20883 Panama (Chiriquí & San Blas) 21037  
**R** 20883 Colombia 20883  
**R** 20883 Venezuela 20883
- V** *Solanum diversifolium* Dunal ssp.  
*diversifolium* 21107  
**V** 20883 Venezuela (coastal) 21037
- E** *Solanum dolosum* Morton ex S. Knapp 20883  
**I** 20883 Colombia 20883
- E** *Solanum drymophilum* O.E. Schulz 20883, 10197  
**I** 20883 Puerto Rico 20883
- R** *Solanum endopogon* (Bitter) Bohs ssp.  
*guianensis* 21107  
**V** 20883 Brazil 20883  
 ? Brazil - Amapa 21037  
 ? Brazil - Pará 21037  
**R** 20883 French Guiana 20883
- V** *Solanum exiguum* Bohs 21107  
**V** 20883 Bolivia (Beni & Cochabamba) 21037
- R** *Solanum fallax* Bohs 21107  
**E** 20883 Colombia 20883  
**R** 20883 Ecuador (western) 21037
- V** *Solanum fernandezianum* Philippi 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- V** *Solanum fortuneense* Bohs 21107  
**E** 20883 Costa Rica 20883  
**V** 20883 Panama (Chiriquí & Coclé) 21037
- V** *Solanum fosbergianum* D'Arcy 20883, 10747  
**I** 20883 Panama 20883
- V** *Solanum gracilifrons* Bitter ex Engl. 18200  
**V** 12468 Peru 18200
- V** *Solanum granelianum* D'Arcy 20883, 10747  
**V** 16317 Panama (Darién) 20883
- I** *Solanum guamense* Merr. 20818

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Solanaceae: *Solanum*

- I 20818 North Mariana Is. 18035  
E 20818 U.S. - Guam 18035
- R** *Solanum guerreroense* Correll 19866  
R 19915 Mexico - Guerrero 19866  
R 19915 Mexico - Jalisco 19866
- V** *Solanum guzmanguense* Whalen & Sagast. 18200  
V 12468 Peru 18200
- R** *Solanum hamulosum* C.White 20681  
R 20681 Australia - Queensland 20681
- V** *Solanum hastiformum* Corr. 18200  
V 12468 Peru 18200
- R** *Solanum hidetaroii* Masamune 20511  
R 20511 Taiwan 20511
- R** *Solanum hintonii* Correll 10108  
R 19866 Mexico - Mexico State (near Temascaltepec) 19866
- R** *Solanum hjertingii* Hawkes 19866  
R 19915 Mexico - Coahuila 19866  
R 19915 Mexico - Nuevo Leon 19866
- R** *Solanum hjertingii* Hawkes var. *physaloides* (Correll) Hawkes 19866  
R 19915 Mexico - Tamaulipas 19866
- R** *Solanum hougasii* Correll 19866  
R 19866 Mexico - Jalisco 19866  
R 19866 Mexico - Michoacan 19866
- E** *Solanum hugonis* Heine 20802  
E 20893 New Caledonia 20802
- I** *Solanum humectophilum* Ochoa 18200  
I 12468 Peru 18200
- V** *Solanum inaequale* Vell. 20883  
V 20883 Brazil 20883
- Ex/E** *Solanum incompletum* Dunal 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- V** *Solanum ingaeifolium* Ochoa 18200  
V 12468 Peru 18200
- E** *Solanum insulae-pinorum* Heine 20893  
E 20893 New Caledonia 20893
- R** *Solanum iopetalum* (Bitt.) Hawkes 19866  
R 19915 Mexico - Hidalgo 19866  
R 19915 Mexico - Puebla 19866  
R 19915 Mexico - Veracruz 19866
- V** *Solanum jalcae* Ochoa 18200  
V 12468 Peru 18200
- V** *Solanum karsensis* Symon 20681  
V 20681 Australia - New South Wales 20681
- I** *Solanum kurzii* Bruce ex Prain  
I India - Tamil Nadu (Coimbatore Hills)
- R** *Solanum latiflorum* Bohs 21107  
R 20883 Brazil 20883  
? Brazil - Minas Gerais 21037  
? Brazil - Rio de Janeiro 21037  
? Brazil - Sao Paulo 21037
- V** *Solanum leptosepalum* Correll 20850, 19866  
E 20850 U.S. - Texas 20850  
I 19915 Mexico (north-east) 19866
- I** *Solanum lesteri* Hawkes & Hjerting 19866  
I 19915 Mexico - Oaxaca 19866
- V** *Solanum lidii* Sunding 17891  
V 20750 Spain - Canary Is. 17891
- V** *Solanum longiconicum* Bitter 9037  
V 19915 Costa Rica (Cortago, San José) 19866
- V** 19915 Panama (Chiriquí) 19866
- R** *Solanum lumholtzianum* Bartlett 20883, 20850, 19002  
R 20850 U.S. - Arizona 20850  
20883 Mexico 20883
- R** *Solanum lycopersicoides* Dunal 18200  
R 12468 Peru (Tacna) 19866
- I** *Solanum macropilosum* Correll 10108  
I 19915 Mexico - Nuevo Leon 19866
- E** *Solanum malacothrix* S. Knapp 12036  
E 12036 Mexico 12036
- E** *Solanum masafueranum* Bitter & Skottsbo. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- V** *Solanum microleprodes* D'Arcy var. *felicitis* D'Arcy 20883, 10747  
V 16317 Panama (Chiriquí) 20883
- V** *Solanum microleprodes* Bitt. var. *microleprodes* 20883, 10747  
I 20883 Panama (Bocas del Toro; Chiriquí; Darién; Veraguas) 20883
- V** *Solanum mucronatum* O.E. Schulz 20883, 15106  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- I** *Solanum multiflorum* Vargas 18200  
I 12468 Peru 18200
- R** *Solanum multiglochidiatum* Domin 20681  
R 20681 Australia - Queensland 20681
- I** *Solanum nayaritense* (Bitter) Rydb. 19866  
I 19915 Mexico - Nayant 19866  
I 19915 Mexico - Zacatecas 19866
- V** *Solanum nelsonii* Dunal 20850, 14209  
V 20850 U.S. - Hawaii 20850
- I** *Solanum nemorosum* Ochoa 18200  
I 12468 Peru 18200
- I** *Solanum neovargasii* Ochoa 18200  
I 12468 Peru 18200
- V** *Solanum ovum-fringillae* (Dunal) Bohs 21107  
V 20883 Brazil 20883  
? Brazil - Pernambuco 21037
- I** *Solanum palustre* Poepp. ex Schlecht. 19866  
I 19866 Chile (near Valparaiso) 19866
- V** *Solanum pancheri* Guillaumin 20893  
V 20893 New Caledonia 20893
- V** *Solanum paralum* Bohs 21107  
V 20883 Brazil 20883  
? Brazil - Bahia 21037  
? Brazil - Rio de Janeiro 21037  
? Brazil - Sao Paulo 21037
- I** *Solanum pascoense* Ochoa 18200  
I 12468 Peru 18200
- V** *Solanum perattenuatum* I.M. Johnst. 20883, 10747  
V 16317 Panama (Panamá) 20883
- V** *Solanum pillahuatense* Vargas 18200  
V 12468 Peru 18200
- R** *Solanum pinetorum* (L.B.Sm. & Downs) Bohs 21107  
R 20883 Brazil 20883  
? Brazil - Minas Gerais 21037  
? Brazil - Parana 21037  
? Brazil - Rio de Janeiro 21037  
? Brazil - Santa Catarina 21037  
? Brazil - Sao Paulo 21037
- V** *Solanum piurae* Bitter 18200

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Solanaceae: *Solanum*

- V 12468 Peru 18200
- V *Solanum plowmanii* S. Knapp 21252  
V 21252 Peru 21252
- R *Solanum polygamum* Vahl 20883, 19002  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R *Solanum premifolium* (Miers) Bohs 21107  
R 20883 Brazil 20883  
? Brazil - Bahia 21037  
? Brazil - Parana 21037  
? Brazil - Rio de Janeiro 21037  
? Brazil - Sao Paulo 21037
- I *Solanum proetermissum* Kerr ex Barnett 19120  
I 19120 Thailand 19120
- I *Solanum pseuderanthemoides* Schltr. 20802  
I 20802 New Caledonia 20802
- R *Solanum punctulatum* Dunal 20883  
R 20883 Jamaica 20883
- E *Solanum puttii* Kerr ex Barnett 19120  
E 19120 Thailand 19120
- V *Solanum raquilatum* Ochoa 18200  
V 12468 Peru 18200
- V *Solanum rhomboideilanceolatum* Ochoa 18200  
V 12468 Peru 18200
- E *Solanum robinsonianum* Bitter 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Solanum rojasianum* (Standl. & Steyerl.) Bohs 21107  
E 20883 Belize 20883  
R 20883 Guatemala 20883  
E 20883 Mexico 20883
- E *Solanum roseum* Bohs 21107  
E 20883 Bolivia (La Paz) 21037
- I *Solanum sagraeanum* A. Rich. 5607  
I 19105 Cuba 5607
- I *Solanum sanctae-rosae* Hawkes 16336  
I 19448 Argentina 16336  
I 20176 Argentina - Catamarca 20176  
I 20176 Argentina - Jujuy 20176  
I 20176 Argentina - Salta 20176  
I 20176 Argentina - Tucuman 20176
- E *Solanum sandwicense* Hook. & Arn. 20850, 14209  
E 20850 U.S. - Hawaii (Kauai and Oahu) 20850
- R *Solanum santosii* S. Knapp 21252  
R 21252 Brazil 21252
- I *Solanum sawyeri* Ochoa 18200  
I 12468 Peru 18200
- I *Solanum scabrifolium* Ochoa 18200  
I 12468 Peru 18200
- I *Solanum scopulorum* Kerr ex Barnett 19120  
I 19120 Thailand 19120
- V *Solanum sibundoyense* (Bohs) Bohs 21107  
V 20883 Colombia (Sibundoy) 21037
- R *Solanum sporadotrichum* F. Muell. 20681  
R 20681 Australia - Queensland 20681
- I *Solanum stenophyllidium* Bitter 19866  
I 19866 Mexico - Jalisco 19866
- R *Solanum stoloniferum* Schelchtd. & Bché ssp. *moreliae*  
Hawkes 19866  
R 19915 Mexico - Michoacan (Morelia) 19866
- V *Solanum styraciflorum* Schltr. 20893  
V 20893 New Caledonia 20893
- R *Solanum sycocarpum* Mart. & Sendtn. 21107  
R 20883 Brazil 20883  
? Brazil - Bahia 21037  
? Brazil - Espirito Santo 21037  
? Brazil - Rio de Janeiro 21037
- R *Solanum tabanoense* 11975  
R 19975 Colombia (southern Colombia) 19975  
R 19975 Ecuador 19975  
R 19975 Peru 19975
- V *Solanum tenuilobatum* Parish 20883, 20850, 8058  
E 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V *Solanum trinitense* Ochoa 18200  
V 12468 Peru 18200
- R *Solanum troyanum* Urb. 20883, 19890  
R 19890 Jamaica 20883
- E *Solanum unifoliatum* S. Knapp 20883  
I 20883 Colombia 20883
- E *Solanum vaccinioides* Schltr. 20893  
E 20893 New Caledonia 20893
- V *Solanum vespertilio* Aiton 20216  
V 20750 Spain - Canary Is. 20750
- I *Solanum villuspetalum* Vargas 18200  
I 12468 Peru 18200
- V *Solanum wallacei* (Gray) Parish var. *clokeyi* (Munz) McMinn 20850  
I 20850 U.S. - California 20850
- E *Solanum woodburyi* Howard 20883  
I 20883 Puerto Rico 20883
- E *Solanum xantii* Gray var. *montanum* Munz 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850
- V *Solanum xantii* Gray var. *obispoense* (Eastw.) Wiggins 20850  
I 20850 U.S. - California 20850
- V *Solanum yanamonense* S. Knapp 18200  
V 12468 Peru 18200
- I *Tubocapsicum boninense* Koidz. 8048  
I 19134 Japan - Kazan Retto 8622  
Ex 19134 Japan - Ogasawara-shoto (Hahajima) 8048
- V *Witheringia bristaniana* D'Arcy 20883, 9006  
V 16317 Panama 20883
- E *Witheringia filipes* Alain 20883  
I 20883 Dominican Republic 20883
- V *Witheringia hunzikeri* D'Arcy 20883, 9006  
I 20883 Panama 20883

**Sphenostemonaceae**

Number of genera: 1  
Number of species: 7  
Recorded threatened species: 1 (14%)

Malesia to Australia and New Caledonia.

- I *Sphenostemon oppositifolium* Hurl.  
I New Caledonia



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Stachyuraceae: *Stachyurus*

**Stachyuraceae**

Number of genera: 1  
 Number of species: 5-6  
 Recorded threatened species: 1 (16%)

Himalayan region to Japan.

- V *Stachyurus macrocarpus* Koidz. 20626, 18128  
 V 20626 Japan - Ogasawara-shoto 20626
- V *Stachyurus macrocarpus* Koidz. var. *burnifolius*  
 Tuyama 20626  
 V 20626 Japan - Ogasawara-shoto 20626

**Stackhousiaceae**

Number of genera: 3  
 Number of species: 20-25  
 Recorded threatened species: 2 (8%)

Australia and New Zealand; southwestern Pacific.

- R *Stackhousia tryonii* F. Bailey 20681  
 R 20681 Australia - Queensland 20681
- R *Tripterococcus brachylobus* W.R. Barker ms. 20681  
 R 20681 Australia - Western Australia 20681

**Staphyleaceae**

Number of genera: 5  
 Number of species: 50  
 Recorded threatened species: 3 (6%)

Americas, Eurasia, Malay Archipelago.

- I *Staphylea colchica* Steven 5942  
 I 5942 Georgia 5942
- R *Tapiscia sinensis* Oliver 17617  
 R 17617 China - Anhui 11139  
 R 17617 China - Fujian 11139  
 R 17617 China - Guangxi 11139  
 R 17617 China - Guizhou 11139  
 R 17617 China - Hubei 11139  
 R 17617 China - Hunan 11139  
 R 17617 China - Jiangxi 11139  
 R 17617 China - Sichuan 11139  
 R 17617 China - Zhejiang 11139
- R *Turpinia indochinensis* Merr. 6057  
 R Vietnam 6057

**Sterculiaceae**

Number of genera: 65  
 Number of species: 1,000  
 Recorded threatened species: 106 (10%)

Tropical and subtropical.

- V *Acropogon aoupiniensis* Morat 20893  
 V 20893 New Caledonia 20893
- V *Acropogon bullatus* (Pancher & Serbert) Morat 20893  
 V 20893 New Caledonia 20893
- V *Acropogon domatifer* Morat 20893  
 V 20893 New Caledonia 20893
- V *Acropogon fatsioides* Schltr. 20893  
 V 20893 New Caledonia 20893
- V *Acropogon megaphyllus* (Bureau & Poisson ex Guillaumin)  
 Morat 20893  
 V 20893 New Caledonia 20893
- E *Acropogon veillonii* Morat 20893  
 E 20893 New Caledonia 20893

- Ex *Astiria rosea* Lindl. 10082  
 Ex 20771 Mauritius 10082
- E *Ayenia cajalbanensis* Alain 5607
- E *Ayenia laevigata* Sw. 20883  
 I 20883 Jamaica 20883
- E *Ayenia laevigata* Sw. var. *acuminata*  
 Adams 20883, 13336  
 E 13336 Jamaica (Trelawny) 20883
- V *Ayenia laevigata* Sw. var. *laevigata* 20883,  
 13336  
 V 13336 Jamaica 20883
- V *Ayenia limitaris* Cristobal 20883, 20850, 8058  
 E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883
- R *Brachychiton acuminatus* Guymier 20681  
 R 20681 Australia - Western Australia 20681
- R *Brachychiton albidus* Guymier 20681  
 R 20681 Australia - Queensland 20681
- R *Brachychiton collinus* Guymier 20681  
 R 20681 Australia - Queensland 20681
- R *Brachychiton compactus* Guymier 20681  
 R 20681 Australia - Queensland 20681
- R *Brachychiton grandiflorus* Guymier 20681  
 R 20681 Australia - Queensland 20681
- R *Brachychiton obtusilobus* Guymier 20681  
 R 20681 Australia - Western Australia 20681
- R *Brachychiton vitifolius* (Bailey) Guymier 20681  
 R 20681 Australia - Queensland 20681
- R *Brachychiton xanthophyllus* Guymier 20681  
 R 20681 Australia - Western Australia 20681
- Ex *Byttneria ivorensis* Hallé 20887  
 Ex 20887 Côte d'Ivoire 20887
- I *Byttneria microphylla* Jacq. 11840  
 E 19105 Cuba (Oriente; Pinar del Rio) 11840  
 I 19408 Dominican Republic (Montecristi, Azua,  
 Barahona) 21008  
 Hauti 21008
- I *Byttneria scopiura* C. Wright 5607
- E *Cola attiensis* Aubrev. & Pellegrin 7926  
 E 20887 Côte d'Ivoire 7926
- E *Cola boxiana* Brenan & Keay 15970  
 E 20858 Ghana 20274
- I *Cola crispiflora* Schumann 7927  
 I Gabon (Haut Ogooue) 7927
- I *Cola duparquetiana* Baillon  
 I Gabon (Lastoursville)
- R *Cola letestui* Pellegrin 7927  
 R Gabon (Lastoursville) 7927
- E *Cola octoloboides* Brenan 20057  
 E 20057 Kenya 19109
- V *Cola porphyrantha* Brenan 20057  
 V 20057 Kenya 19109
- V *Cola reticulata* A. Chev. 20274  
 V 20858 Côte d'Ivoire 7926  
 V 20858 Ghana 20274  
 V 20858 Guinea (Mt. Nzo) 7926
- V *Cola uloloma* Brenan 20057  
 V 20057 Kenya 19109  
 V 20057 Tanzania (Pangani & coast) 17435
- V *Cola umbratilis* Brenan & Keay 7926

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Sterculiaceae: *Cola*

- V 20858 Côte d'Ivoire 20274  
V 20858 Ghana 7926
- I** *Dombeya acutangula* Cav. ssp. *acutangula* 10082  
I 5852 Réunion 5852  
E 5852 Mauritius - Rodrigues 5852
- V** *Dombeya acutangula* Cav. var. *palmeta* (Cav.) Arènes 10082  
V 14234 Réunion 10082
- E** *Dombeya acutangula* Cav. ssp. *rosea* F.Friedmann 20771  
E 12249 Mauritius 12249
- V** *Dombeya blattiolens* Frappier ex Cordem. 10082  
V Réunion 10082
- V** *Dombeya delislei* Arènes 10082  
V 14220 Réunion 10082
- V** *Dombeya elegans* Cordem. var. *virescens* Cordem. 10082  
V 14220 Réunion 10082
- I** *Dombeya ferruginea* Cav. ssp. *borbonica* Friedm. 10082  
I 14220 Réunion 10082
- R** *Dombeya ferruginea* Cav. ssp. *ferruginea* 10082  
R 20771 Mauritius 10082
- R** *Dombeya lastii* K. Schumann 7749  
R Mozambique 7749
- R** *Dombeya leachii* Wild 7749  
R Mozambique 7749
- I** *Dombeya longebracteolata* Seyani 20924  
I 20924 Ethiopia (Kefa, Gamo Gofa, Sidamo) 20924
- E** *Dombeya mauritiana* Friedmann 10082  
E 20771 Mauritius 10082
- E** *Dombeya populnea* (Cav.) Baker 10082  
E 14234 Réunion 10082  
E 20771 Mauritius 10082
- R** *Dombeya punctata* Cav. 10082  
R 14220 Réunion 10082
- E** *Dombeya rodriguesiana* F. Friedmann 10082  
E 5852 Mauritius - Rodrigues 10936
- R** *Dombeya rotundifolia* (Hochst.) Planchon var. *velutina* Verdoorn  
R 20604 Namibia 20604
- V** *Dombeya umbellata* Cav. 10082  
V 14220 Réunion 10082
- V** *Eriolaena lushingtonii* Dunn 14782  
V 14782 India - Andhra Pradesh 14782  
V 14782 India - Tamil Nadu 14782
- E** *Firmiana hainanensis* Kosterm. 17617  
E 17617 China - Hainan Is. 11139
- R** *Firmiana major* (W. Smith) Hand.-Mazz. 17617  
R 17617 China - Yunnan 11139
- E** *Fremontodendron decumbens* R. Lloyd 20850  
E 20850 U.S. - California 20850
- R** *Fremontodendron mexicanum* A. Davids. 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- E** *Helicteres calcicola* Alain 11840  
E 19105 Cuba (Pinar del Rio) 11840
- R** *Helicteres linifolia* Cowie ms. 20681  
R 20681 Australia - Northern Territory 20681
- V** *Heritiera longipetiolata* Kaneh. 20825  
V 20825 North Mariana Is. 18035  
V 20825 Micronesia - Caroline Is. (Pohnpei) 20825  
V 20818 U.S. - Guam 18338
- V** *Heritiera parvifolia* Merr. 17617  
V 17617 China - Hainan Is. 11139
- I** *Hermannia cordifolia* Harv. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Hermannia disticha* Schrad. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Hermannia helicoidea* I. Verd. 20604  
I 20604 South Africa - Cape Province 20604
- I** *Hermannia micrantha* Adamson 20604  
I 20604 South Africa - Cape Province 20604
- I** *Hermannia pillansii* Compton 20604  
I 20604 South Africa - Cape Province 20604
- E** *Hermannia procumbens* Cav. ssp. *procumbens* (Thunb.) De Winter 20604  
E 20604 South Africa - Cape Province 20604
- I** *Hermannia rudis* N.E.Br. 20604  
I 20604 South Africa - Cape Province 20604
- V** *Hermannia rugosa* Adamson 20604  
V 20604 South Africa - Cape Province 20604
- I** *Hermannia sandersonii* Harv. 20604  
I 20604 South Africa - Natal 20604
- I** *Hermannia torrei* Wild 7749  
I Mozambique 7749
- E** *Herrania balaensis* Pruess 11658  
E 11658 Ecuador 11658
- R** *Hildegardia australiensis* G. Leach & Cheek 20681  
R 20681 Australia - Northern Territory 20681
- V** *Hildegardia gillettii* L.J. Dorr & L.C. Barnett 20884  
V 20884 Somalia (south) 20884
- E** *Hildegardia populifolia* (Roxb.) Schott & Endl. 14782  
E 14782 India - Andhra Pradesh 14782  
E 14782 India - Tamil Nadu 14782
- R** *Keraudrenia corollata* (Steetz) Druce var. *denticulata* C. White 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Lasiopetalum bracteatum* (Endl.) Benth. 20681  
R 20681 Australia - Western Australia 20681
- R** *Lasiopetalum joyceae* Blakely 20681  
R 20681 Australia - New South Wales 20681
- V** *Lasiopetalum longistamineum* Maiden & Betche 20681  
V 20681 Australia - New South Wales 20681
- V** *Lasiopetalum micranthum* Hook.f. 20681  
V 20681 Australia - Tasmania 20681
- Ex** *Lasiopetalum rotundifolium* Paust 20681  
Ex 20681 Australia - Western Australia 20681
- I** *Melhania futteyporensis* Munro ex Masters var. *major* (Blatter & Hallberg) Santapau 7771  
I India - Rajasthan (western) 7771
- I** *Melhania magnifolia* Blatter & Hallberg 7771  
I India - Rajasthan (western) 7771
- I** *Melhania polygama* I. Verd. 20604

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Sterculiaceae: *Melthania*

- I 20604 South Africa - Natal 20604
- E** *Melochia manducata* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607
- Ex/E** *Nephropetalum pringlei* Robinson & Greenman 8058  
Ex/E 14662 U.S. - Texas 8058  
Ex/E 14662 Mexico 8058
- E** *Pterospermum kingtungense* C.Y. Wu ex Hsue 17617  
E 17617 China - Yunnan (Jingdong) 11139
- R** *Pterospermum menglunense* Hsue 17617  
R 17617 China - Yunnan (Mengla) 11139
- R** *Pterospermum reticulatum* Wight & Arn. 14782  
R 14782 India - Karnataka 14782  
R 14782 India - Kerala 14782  
R 14782 India - Tamil Nadu 14782
- R** *Pterospermum yunnanense* Hsue 17617  
R 17617 China - Yunnan (Mengla; Jinghong) 11139
- R** *Pterygota amazonica* L.O. Williams 18200  
R 12468 Peru 18200
- I** *Pterygota thwaitesii* (Masters) Alston 10252  
I 16162 Sri Lanka 10252
- R** *Reevesia formosana* Sprague 20511  
R 20511 Taiwan (south) 20511
- E** *Reevesia rotundifolia* Chun 17617  
E 17617 China - Guangxi (Shiwandashan) 11139
- R** *Reevesia yersinii* Chev. 6057  
R Vietnam 6057
- E** *Ruizia cordata* Cav. 10082  
E 14234 Réunion 10082
- R** *Rulingia hermannifolia* (DC.) Steetz 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V** *Rulingia procumbens* Maiden & Betche 20681  
V 20681 Australia - New South Wales 20681
- E** *Rulingia prostrata* Maiden & Betche 20681  
Ex/E 20681 Australia - New South Wales 20681  
E 20681 Australia - Victoria 20681
- R** *Rulingia salviifolia* Benth. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Sterculia alexandri* Harv. 20604  
R 20604 South Africa - Cape Province 20604
- I** *Sterculia bicolor* Mast. 19209  
I 19209 Malaysia - Peninsular Malaysia (Perak & Terengganu.) 19209  
V 20099 Singapore 20099
- Ex** *Sterculia khasiana* Deb. 11494  
Ex 11494 India - Meghalaya (Khasi hills) 11494
- I** *Sterculia populnifolia* Roxb.  
I India
- V** *Sterculia schliebenii* Mildbr. 20057  
V 20885 Kenya 20057  
V 20885 Mozambique 20885  
V 20885 Tanzania 20885
- I** *Sterculia zeylanica* Kosterm.  
I Sri Lanka
- I** *Theobroma cirmolinae* Cuatrec. 19352  
I 19352 Colombia (Pacific region) 19764
- Ex** *Thomasia gardneri* Paust 20681  
Ex 20681 Australia - Western Australia 20681
- V** *Thomasia glabripetala* S.J.Patrick 20681  
V 20681 Australia - Western Australia 20681
- V** *Thomasia montana* Steudel 20681  
V 20681 Australia - Western Australia 20681
- R** *Trochetia blackburniana* Bojer ex Baher 10082  
R 20771 Mauritius 10082
- E** *Trochetia boutoniana* Friedmann 10082  
E 20771 Mauritius 10082
- V** *Trochetia granulata* Cordem. 10082  
V 14234 Réunion 10082
- Ex** *Trochetia parviflora* Bojer ex Baker 10082  
Ex 20771 Mauritius 10082
- V** *Trochetia triflora* DC. 10082  
V 20771 Mauritius 10082
- E** *Trochetia uniflora* DC. 10082  
E 20771 Mauritius 10082
- Ex** *Trochetiopsis erythroxylo* (Forster f.) Marais 18996  
Ex 18996 St Helena 18996
- E** *Trochetiopsis melanoxylon* (R. Br. ex Aiton f.) Marais 18996  
E 18996 St Helena 18996
- R** *Ungeria floribunda* Schott & Endl. 11649  
R 19108 Australia - Norfolk Is. 11649
- E** *Waltheria nipensis* (Britton) Alain 5607  
E 19105 Cuba (Holguin) 5607

## Stilbaceae

Number of genera:	5
Number of species:	12
Recorded threatened species:	1 (8%)

Winter rainfall regions of Cape Province (South Africa).

- R** *Thesmophora scopulosa* Rourke 20604  
R 20604 South Africa - Cape Province 20604

## Stylidiaceae

Number of genera:	5
Number of species:	155
Recorded threatened species:	9 (5%)

Centered in Australia.

- E** *Stylidium coroniforme* R.Erickson & J.H.Willis 20681  
E 20681 Australia - Western Australia 20681
- R** *Stylidium expeditionis* S.Carlquist 20681  
R 20681 Australia - Western Australia 20681
- V** *Stylidium galioides* C.Gardner 20681  
V 20681 Australia - Western Australia 20681
- R** *Stylidium inversiflorum* S.Carlquist 20681  
R 20681 Australia - Western Australia 20681
- V** *Stylidium merrallii* (F.Muell.) E.Pritzel 20681, 14223  
V 20681 Australia - Western Australia 20681
- R** *Stylidium plantagineum* Sonder 20681  
R 20681 Australia - Western Australia 20681
- E** *Stylidium scabridum* Lindley 20681  
E 20681 Australia - Western Australia 20681
- R** *Stylidium tenuicarpum* S.Carlquist 20681  
R 20681 Australia - Western Australia 20681
- R** *Stylidium tepperianum* (F.Muell.) Mildbr. 20681  
R 20681 Australia - South Australia 20681

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Styracaceae: *Halesia*

**Styracaceae**

Number of genera: 10  
 Number of species: 150  
 Recorded threatened species: 14 (9%)

Widely disjunct in both hemispheres.

- R** *Halesia macgregorii* Chun 17617  
 R 17617 China - Fujian 11139  
 R 17617 China - Guangdong 11139  
 R 17617 China - Guangxi 11139  
 R 17617 China - Hunan 11139  
 R 17617 China - Jiangxi 11139  
 R 17617 China - Zhejiang 11139
- I** *Huodendron siamicum* Fletcher 19120  
 I 19120 Thailand 19120
- V** *Pterostyrax psilophylla* Diels ex Perkins 17617  
 V 17617 China - Guangxi 11139  
 V 17617 China - Guizhou 11139  
 V 17617 China - Hubei 11139  
 V 17617 China - Hunan 11139  
 V 17617 China - Sichuan 11139  
 V 17617 China - Yunnan (Zhengxun) 11139
- V** *Rehderodendron macrocarpum* Hu 17617  
 V 17617 China - Guangxi (Lingyun) 11139  
 V 17617 China - Guizhou 11139  
 V 17617 China - Sichuan 11139  
 V 17617 China - Yunnan (Wenshan; Jingping) 11139
- E** *Sinojackia dolichocarpa* C.J. Qi 17617  
 E 17617 China - Hunan (Shimeng; Shangzhi) 11139
- E** *Sinojackia xylocarpa* Hu 17617  
 E 17617 China - Jiangsu (Nanjing; Jiangpu; Jurong) 11139
- E** *Styrax betongensis* Fletcher 19120  
 E 19120 Thailand 19120
- R** *Styrax formosana* Matsum. var. *hayataiana* (Perkins)  
 Li 20511  
 R 20511 Taiwan 20511
- R** *Styrax matsumurei* Perkins 20854  
 R 20854 Taiwan 20854
- R** *Styrax platanifolius* Engelm. ex Torr. 20850  
 R 20850 U.S. - Texas 20850
- V** *Styrax portoricensis* Krug & Urban 20883, 10197  
 V 20883 Puerto Rico 20883
- R** *Styrax tafelbergensis* Maguire 8679  
 R 8679 Surname 8679
- E** *Styrax texanus* Cory 20850  
 E 20850 U.S. - Texas 20850
- I** *Styrax youngiae* Cory 20883, 20850  
 Ex/E 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883

**Surianaceae**

Number of genera: 4  
 Number of species: 6  
 Recorded threatened species: 1 (16%)

Australia and tropical maritime.

- R** *Cadellia pentastylis* F.Muell. 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681

**Symplocaceae**

Number of genera: 1  
 Number of species: 300-400  
 Recorded threatened species: 43 (12%)

Tropical and subtropical America; southern and eastern Asia; Australia; East Indies.

- I** *Symplocos abietorum* Standley & Steyerf. 9004  
 I 9835 Guatemala 9004
- R** *Symplocos ampulliformis* C.White 20681  
 R 20681 Australia - Queensland 20681
- R** *Symplocos anamallayana* Beddome  
 R 18228 India - Tamil Nadu 18228
- R** *Symplocos austromexicana* Almeda 10114  
 R 16360 Mexico - Oaxaca 10114
- V** *Symplocos baeuerlenii* R.T.Baker 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681
- I** *Symplocos barberi* Gamble  
 I India - Tamil Nadu (Tirunelveli Hills)
- V** *Symplocos boninensis* Rehder & Wilson 8037  
 V 19134 Japan - Ogasawara-shoto 20626
- V** *Symplocos breedlovei* Lundell 10294  
 V 9835 Mexico 10294
- R** *Symplocos candelabrum* Brand  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- E** *Symplocos cipunimoides* Griseb. 5607  
 E 19105 Cuba (Holguin) 5607
- R** *Symplocos coccinea* Humb. 9019  
 R 9114 Mexico - Veracruz 9019
- R** *Symplocos cordifolia* Thwaites 8021  
 R 20013 Sri Lanka 8021
- V** *Symplocos coronata* Thwaites var. *coronata*  
 coronata 8021  
 V 12838 Sri Lanka 8021
- V** *Symplocos coronata* Thwaites var. *glabrifolia*  
 (Thwaites) Nootb. 8021  
 V 12838 Sri Lanka 8021
- R** *Symplocos crassiramifera* Nootb. 20681  
 R 20681 Australia - Queensland 20681
- R** *Symplocos disepala* Guillaumin 6057  
 R Vietnam 6057
- E** *Symplocos diversifolia* Brand var. *appressa*  
 Nootb. 8021  
 E Sri Lanka (Kurulugala, Bulutota) 8021
- R** *Symplocos elegans* Thw. 16162  
 R 20013 Sri Lanka 16162
- R** *Symplocos excelsa* L.O. Williams 9084  
 R 16360 Mexico 9084
- R** *Symplocos graniticola* Jessup 20681  
 R 20681 Australia - Queensland 20681
- R** *Symplocos harroldii* Jessup 20681  
 R 20681 Australia - Queensland 20681
- R** *Symplocos hayesii* C.White & Francis 20681  
 R 20681 Australia - Queensland 20681
- V** *Symplocos hintonii* Lundell 10294  
 V 9835 Mexico 10294
- V** *Symplocos hispidula* Thwaites 12838

**The 1997 IUCN Red List of Threatened Plants**

*Magnoliopsida (dicots): Symplocaceae: Symplocos*

- V 12838 Sri Lanka 12838
- R** *Symplocos hylandii* Nootb. 20681  
R 20681 Australia - Queensland 20681
- E** *Symplocos incahuasensis* Sagástegui & Dillon 20883  
I 20883 Peru 20883
- R** *Symplocos johnsonii* Standley 9004  
R 9835 Guatemala 9004
- E** *Symplocos kawakamii* Hayata 8038  
E 18128 Japan - Ogasawara-shoto (Chichijima) 8038
- E** *Symplocos lanata* Krug & Urban 20883  
I 20883 Puerto Rico 20883
- V** *Symplocos longipes* Lundell 10294  
V 9835 Mexico 10294
- V** *Symplocos moaensis* Borh. 5607  
V 19105 Cuba (Guantanamo) 5607
- R** *Symplocos nokoensis* (Hayata) Kanehira 20854  
R 20854 Taiwan 20854
- I** *Symplocos octopetala* Sw. 20883, 13336  
R 20883 Jamaica 20883
- R** *Symplocos olivacea* Merr. 6057  
R Vietnam 6057
- R** *Symplocos ovalis* C. Wright 5607  
R 19105 Cuba (Pinar del Río) 5607
- V** *Symplocos pergracilis* (Nakai) Yamaz. 8038  
V 19134 Japan - Ogasawara-shoto 8038
- R** *Symplocos shilanensis* Liu & Lu 20854  
R 20854 Taiwan 20854
- R** *Symplocos singuliflora* Guillaumin 6057  
R Vietnam 6057
- E** *Symplocos sousae* Almeda 20883, 10130  
I 20883 Costa Rica 20883  
I 19850 Mexico - Jalisco 10130  
I 19850 Mexico - Oaxaca 10130
- R** *Symplocos stawellii* F.Muell. var. *montana* C.T.White 20681  
R 20681 Australia - Queensland 20681
- R** *Symplocos tubulifera* Krug. & Urb. 20883, 13336  
R 13336 Jamaica (St. Catherine, St. Ann) 20883
- R** *Symplocos vatteri* Standley & Steyerf. 9004  
R 9835 Guatemala 9004
- V** *Symplocos versicolor* C.B. Clarke 12838  
V 12838 Sri Lanka 12838
- I** *Symplocos villosa* Brand  
I India - Kerala (Peermade Hills, Travancore)

**Tamaricaceae**

Number of genera: 4 - 5  
Number of species: 1.00  
Recorded threatened species: 4 (4%)

Eurasia and Africa, especially Mediterranean region.

- R** *Reaumuria badhysi* Korovin  
R former USSR 6930
- R** *Reaumuria zakirovii* Gorschk.  
R former USSR 6930
- R** *Tamarix negevensis* Zoh. 8895  
R Egypt  
I Israel 8895
- V** *Tamarix taklamakanensis* M.T. Liu 17617

V 17617 China - Xinjiang Uygur Zizhiqu (Talmupendi) 11139

**Theaceae**

Number of genera: 40  
Number of species: 600  
Recorded threatened species: 73 (12%)

Tropical and subtropical.

- R** *Adinandra formosana* Hayata var. *hypochlora* (Hayata) Yamamoto ex Keng 20511  
R 20511 Taiwan 20511
- R** *Adinandra formosana* Hayata var. *obtusissima* (Hayata) Keng 20511  
R 20511 Taiwan 20511
- E** *Adinandra griffithii* Dyer 11494  
E 11494 India - Meghalaya (Khasi hills) 11494
- R** *Adinandra microcarpa* Gagnepain 6057  
R Vietnam 6057
- R** *Anneslea fragrans* Wallich var. *lanceolata* Hayata 20854  
R 20854 Taiwan (southern-most part) 20854
- R** *Anneslea ternstroemioides* Gagnepain 6057  
R Vietnam 6057
- R** *Apterosperma oblata* H.T. Chang 17617  
R 17617 China - Guangdong (Yangchong; Xingyi) 11139  
R 17617 China - Guangxi (Guiping) 11139
- V** *Camellia crapnelliana* Tutcher 17617  
V 17617 China - Fujian 11139  
V 17617 China - Guangxi 11139  
V 17617 China - Zhejiang (Qingyuan) 11139  
E Hong Kong (Jiulong) 11139
- R** *Camellia euphlebia* Merr. ex Sealy 11139  
R China - Guangxi (Fuangchen) 11139
- R** *Camellia fleuryi* (Chev.) Sealy 6057  
I 20985 Vietnam 6057
- R** *Camellia gilbertii* (Chev.) Sealy 6057  
I 20985 Vietnam 6057
- E** *Camellia granthamiana* Sealy 17617  
E 17617 China - Guangdong (Lufeng, Dapu) 11139  
E Hong Kong (Jioulung) 11139
- V** *Camellia grijsii* Hance 17617  
V 17617 China - Fujian 11139  
V 17617 China - Guangxi 11139  
V 17617 China - Hubei (Yichang) 11139  
V 17617 China - Hunan (Yiuxian, Yongshong) 11139  
V 17617 China - Jiangxi (Lichuan) 11139
- V** *Camellia hengchunensis* Chang 20854  
V 20854 Taiwan 20854
- R** *Camellia indochinensis* Merr. 6057  
R Vietnam 6057
- R** *Camellia japonica* L. var. *hozanensis* L. 20511  
R 20511 Taiwan 20511
- R** *Camellia krempfii* (Gagnepain) Sealy 6057  
R Vietnam 6057
- I** *Camellia megacarpa* (Elm.) Cohen-Stuartt 13833  
I 13833 Philippines (Palawan) 13833
- R** *Camellia pingguoensis* D. Fang 11139  
R China - Guangxi (Pingguo; Tiandong)

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Theaceae: *Camellia*

11139

- R** *Camellia pubipetala* Y. Wan & S.Z. Huang 11139  
**R** China - Guangxi (Longan, Daxing) 11139
- V** *Camellia reticulata* Lindley 17617  
**V** 17617 China - Yunnan 11139
- R** *Camellia sinensis* (L.) O.Ktze ssp. *buisanensis* (L.) O.Ktze 20511  
**R** 20511 Taiwan 20511
- R** *Camellia transnokoensis* Hayata 20511  
**R** 20511 Taiwan 20511
- R** *Camellia tunghinensis* H.T. Chang 11139  
**R** China - Guangxi (Fuangcheng) 11139
- R** *Cleyera japonica* Thunb. var. *grandiflora* (Wall. ex Choisy) Kobuski 14782  
**R** 14782 India - Meghalaya 14782
- R** *Cleyera japonica* Thunb. var. *hayatai* Thunb. 20511  
**R** 20511 Taiwan 20511
- R** *Cleyera japonica* Thunb. var. *taipehensis* Thunb. 20511  
**R** 20511 Taiwan 20511
- I** *Eurya acuminata* DC. var. *arisanensis* DC. 20511  
**I** 20511 Taiwan 20511
- E** *Eurya boninensis* Koidz. 8037  
**E** 19134 Japan - Ogasawara-shoto 20626
- R** *Eurya rengechiensis* Yamamoto 20854  
**R** 20854 Taiwan 20854
- V** *Eurya sandwicensis* Gray 20850, 14209  
**V** 20850 U.S. - Hawaii 20850
- R** *Eurya yakusimensis* Masam. 10572  
**R** 10572 Japan 10572
- V** *Eurya zigzag* Masam. 20626  
**V** 20626 Japan (Ryukyu) 20626
- E** *Euryodendron excelsum* H.T. Chang 17617  
**E** 17617 China - Guangdong (Yangchong) 11139  
**E** 17617 China - Guangxi (Pinnan) 11139
- Ex/E** *Franklinia alatamaha* Bartr. ex Marsh. 20850, 14662  
**Ex** 20850 U.S. - Georgia 20850
- I** *Freziera biserrata* A.L. Weitzman 21018  
**I** 21018 Costa Rica (Limón) 21018
- I** *Freziera cordata* Tulasne 10200  
**E** 19001 Dominica 10200  
**I** Guadeloupe (only on two peaks) 10200  
**E** 19001 Martinique (Mt. Pelée between 900-1300m; Pitons du Carbet) 10200
- I** *Freziera cyanocantha* A.L. Weitzman 21018  
**?** Peru (Huánuco) 21018
- I** *Freziera echinata* A.L. Weitzman 21018  
**I** 21018 Colombia (Cauca) 21018
- E** *Freziera forerorum* A. Gentry 9006, 21304  
**E** 23 Panama 9006
- I** *Freziera jaramilloi* A.H. Gentry 21018  
**I** 21018 Colombia (Chocó) 21018
- R** *Freziera ordata* Tul. 5710  
**R** Dominica (Trois Pitons; Morne Anglais) 5710  
**R** 5710 Guadeloupe (La Soufriere, Citerne) 5710  
**Ex/E** 5710 Martinique (Montagne Pelée) 5710
- I** *Freziera retinveria* Kobuski 21018  
**I** 21018 Colombia (Norte de Santander) 21018
- V** *Freziera sericea* Humb. & Bonpl. 19352  
**V** 19352 Colombia 19352
- I** *Freziera smithiana* Kobuski 21018  
**I** 21018 Colombia (Santander) 21018
- I** *Freziera spathulifolia* (Melch.) Kobuski 21018  
**I** 21018 Peru (Huánuco) 21018
- I** *Freziera stuebelii* (Hieron.) A.L. Weitzman 21018  
**I** 21018 Colombia (Putumayo) 21018
- I** *Freziera uniauriculata* A.L. Weitzman 21018  
**I** 21018 Bolivia (La Paz) 21018
- I** *Freziera varibracteata* A.L. Weitzman 21018  
**I** 21018 Bolivia (La Paz) 21018
- I** *Freziera velutina* A.L. Weitzman 21018  
**I** 21018 Colombia (Chocó) 21018
- E** *Gordonia speciosa* (Gardner) Choisy 10252  
**E** 20013 Sri Lanka 10252
- E** *Gordonia zeylanica* Wight 10276  
**E** 20013 Sri Lanka 10276
- R** *Hartia tonkinensis* Merr. 6057  
**R** Vietnam 6057
- E** *Laplacea brenesii* Standley 9037  
**E** 17459 Costa Rica 9037
- E** *Laplacea curtyana* A. Rich. 11840  
**E** 19105 Cuba 11840
- V** *Laplacea glabrata* Proctor 20883, 13336  
**V** 13336 Jamaica 20883
- V** *Laplacea portoricensis* (Krug & Urban) Dyer 20883, 10197  
**?** Hispaniola 8058  
**V** 20883 Puerto Rico 20883  
**?** 19002 Mexico 19002  
**?** 19002 Country Unknown 19002
- E** *Laplacea villosa* (Macf.) Griseb. 20883, 19890  
**E** 19890 Jamaica 20883
- I** *Pyrenaria khasiana* R.N. Paul 14782  
**I** 14782 India - Meghalaya 14782
- R** *Schima superba* Gardn. & Champ. var. *kankoensis* (Hayata) Keng 20511  
**R** 20511 Taiwan 20511
- I** *Schima wallichii* (DC.) Korth. ssp. *crenata* (Korth.) Bloembergen var. *pulgarensis* (Elm.) Bloembergen 13833  
**I** 13833 Philippines (Palawan) 13833
- V** *Stuartia sinensis* Rehder & Wilson 17617  
**V** 17617 China - Anhui 11139  
**V** 17617 China - Fujian 11139  
**V** 17617 China - Guangxi 11139  
**V** 17617 China - Guizhou 11139  
**V** 17617 China - Henan 11139  
**V** 17617 China - Hubei 11139  
**V** 17617 China - Hunan 11139  
**V** 17617 China - Jiangxi 11139  
**V** 17617 China - Sichuan 11139  
**V** 17617 China - Yunnan 11139  
**V** 17617 China - Zhejiang 11139
- E** *Ternstroemia bullata* Proctor 20883, 13336  
**E** 13336 Jamaica 20883
- E** *Ternstroemia calycina* F. & R. 20883, 13336  
**E** 20883 Jamaica 20883
- R** *Ternstroemia chapaensis* Gagnepain 6057

## The 1997 IUCN Red List of Threatened Plants

### Magnoliopsida (dicots): Theaceae: *Ternstroemia*

- R Vietnam 6057
- E** *Ternstroemia elliptica* Sw. 8767  
 E 19001 Antigua & Barbuda 19001  
 E 19001 Dominica 19001  
 E 19001 Guadeloupe 19001  
 E 19001 Martinique 19001  
 E 19001 Montserrat 19001  
 E 19001 St Kitts - Nevis 19001  
 E 19001 St Vincent 19001
- E** *Ternstroemia glomerata* Proctor 20883, 13336  
 E 13336 Jamaica 20883
- I** *Ternstroemia granulata* Krug & Urb. 20883, 13336  
 I 13336 Jamaica 20883
- R** *Ternstroemia hartii* Krug & Urb. 20883  
 R 20883 Jamaica 20883
- E** *Ternstroemia heptasepala* Krug & Urban 20883  
 I 20883 Puerto Rico 20883
- R** *Ternstroemia howardiana* Kobuski 20883, 13336  
 R 13336 Jamaica (Portland) 20883
- V** *Ternstroemia luquillensis* Krug & Urban 20883, 10197  
 V 20883 Puerto Rico (Luquillo Mts.) 20883
- R** *Ternstroemia oligostemon* Krug & Urban 19001  
 R 19001 Guadeloupe 19001  
 Ex/E 19001 Martinique 19001  
 R 19001 Trinidad & Tobago 19001
- V** *Ternstroemia rostrata* Krug & Urb. 20883  
 V 20883 Jamaica 20883
- E** *Ternstroemia subsessilis* (Britt.) Kobuski 20883  
 I 20883 Puerto Rico 20883
- R** *Visnea mocanera* L. fil. 17534  
 R Portugal - Madeira  
 V 17534 Spain - Canary Is. 17534

### Theligonaceae

Number of genera:	1
Number of species:	3
Recorded threatened species:	1 (33%)

Temperate eastern Asia to Mediterranean region and Canary Islands.

- R** *Theligonum formosanum* (Ohwi) Ohwi & Liu 20511  
 R 20511 Taiwan 20511

### Theophrastaceae

Number of genera:	4
Number of species:	100
Recorded threatened species:	21 (21%)

Mostly New World tropical.

- E** *Clavija pubens* D'Arcy 20883, 10747  
 I 20883 Panama 20883
- V** *Clavija repanda* Stahl 11213  
 V 11213 Ecuador 11213
- R** *Deherainia matudae* Lundell 11213  
 R 11213 Guatemala 11213  
 R 11213 Mexico 11213
- V** *Jacquinia aciphylla* L. Lepper 11840  
 V 19105 Cuba (Camaguey) 11840
- R** *Jacquinia acunana* Borh. & Muniz 5607  
 R Cuba (Holguin, Guantanamo) 5607
- V** *Jacquinia bissei* L. Lepper 11840  
 V 19105 Cuba (Santiago de Cuba) 11840

- I** *Jacquinia comosa* Urban 5642  
 I Dominican Republic (Trujin; Barahona) 5642
- R** *Jacquinia cristalensis* L. Lepper 11840  
 R 19105 Cuba (Holguin) 11840
- E** *Jacquinia curtissii* Britton 5607  
 E 19105 Cuba (Juventud Is.) 5607
- R** *Jacquinia eggersii* Urban 5642  
 R Dominican Republic (Santiago) 5642
- V** *Jacquinia juniperifolia* L. Lepper 11840  
 V 19105 Cuba (Camaguey) 11840
- V** *Jacquinia lippoldii* L. Lepper 11840  
 V 19105 Cuba (Guantanamo) 11840
- I** *Jacquinia longifolia* Standley 9004  
 I 11213 Belize 9004  
 I 11213 Honduras 11213  
 I 11213 Nicaragua 11213
- V** *Jacquinia macrantha* Urb. 20883  
 V 20883 Jamaica 20883
- V** *Jacquinia macrantha* Urb. var. *clarendonensis* Stearn 20883, 19890  
 E 19890 Jamaica 20883
- V** *Jacquinia macrantha* Urb. var. *macrantha* 20883, 13336  
 V 13336 Jamaica 20883
- V** *Jacquinia montana* Stahl 16402  
 V 11213 Nicaragua 11213
- E** *Jacquinia oligantha* Borh. 5607  
 E 19105 Cuba (Santiago de Cuba, Holguin) 5607
- E** *Jacquinia proctorii* Stearn 20883, 19890  
 V 19890 Jamaica (St. Elizabeth) 20883
- V** *Jacquinia seleriana* Urb. & Loes. 11213  
 V 11213 Mexico 11213
- R** *Jacquinia sessiliflora* Alain 5607  
 R 19105 Cuba (Santiago de Cuba; Holguin) 5607
- I** *Jacquinia umbellata* A. DC. 10197  
 I 15106 Puerto Rico 8058
- E** *Jacquinia verticillaris* Urban 5607  
 E 19105 Cuba (Santiago de Cuba) 5607

### Thymelaeaceae

Number of genera:	50
Number of species:	500
Recorded threatened species:	72 (14%)

Cosmopolitan.

- V** *Aquilaria sinensis* (Lour.) Gilg 17617  
 V 17617 China - Guangdong 11139  
 V 17617 China - Guangxi 17617  
 V 17617 China - Yunnan (Jinghong) 11139
- I** *Craterosiphon schmitzii* Robyns  
 I 6086 Zaire (Haut-Katanga) 6086
- R** *Cryptadenia laxa* C.H.Wright 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Daphne arbuscula* Celak 8000, 20171  
 V 17821 Czech Republic 17821  
 V 19615 Slovakia (Muránka vysocina Mts.) 6951
- E** *Daphne baksanica* Pobed. 5942  
 E 11552 Russia - North Caucasus 11552
- R** *Daphne jasminea* Sibth. & Sm. 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Thymelaeaceae: *Daphne*

- R Greece (Gulf of Kornthos) 21119  
R Libya 21119
- V *Daphne malyana* Bleic 20171  
R 21091 Bosnia & Herzegovina 21091  
V (former) Yugoslavia
- R *Daphne petraea* Leyb. 8000, 20171  
R 18264 Italy (Lombardia & Trentino-Alto Adige) 19997
- R *Daphne reichsteinii* Landholt & Hauser 18264  
R 18264 Italy (Lombardy) 18264
- E *Daphne rodriguezii* Texidor 8000, 20171  
E 20874 Spain - Balearic Is. (Menorca) 8000
- I *Daphne sophia* Kalen. 5942, 20171  
I 5942 Ukraine 5942
- V *Daphnopsis angustifolia* C. Wright 5607  
V 19105 Cuba (Holguin) 5607
- V *Daphnopsis calcicola* Ekman 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E *Daphnopsis grandis* Nevling & Barringer 11680  
E 11680 Ecuador 11680
- I *Daphnopsis hellerana* Urban  
I Puerto Rico 8058
- E *Daphnopsis helleriana* Urban 20883, 19738  
E 20883 Puerto Rico (northern) 20883
- V *Daphnopsis philippiana* Krug & Urban 20883, 20513  
I 20883 Puerto Rico 20883
- E *Deltaria brachyblastophora* Steenis 20893  
E 20893 New Caledonia 20893
- I *Dicranolepis soyauxii* Engl.  
I Gabon
- R *Dicranolepis usambarica* Gilg. 20057  
R 19109 Kenya 19109  
R 20057 Tanzania 17435
- V *Dirca occidentalis* Gray 20850  
V 20850 U.S. - California 20850
- V *Jedda multicaulis* Clarkson 20681  
V 20681 Australia - Queensland 20681
- R *Lachnaea eriocephala* L. 20604  
R 20604 South Africa - Cape Province 20604
- I *Lachnaea glomerata* Fourc. 20604  
I 20604 South Africa - Cape Province 20604
- R *Lachnaea purpurea* Andrews 20604  
R 20604 South Africa - Cape Province 20604
- V *Oreodendron biflorum* C.White 20681  
V 20681 Australia - Queensland 20681
- R *Passerina burchellii* Thoday 20604  
R 20604 South Africa - Cape Province 20604
- E *Passerina paludosa* Thoday 20604  
E 20604 South Africa - Cape Province 20604
- R *Peddiea kivuensis* Robyns 19358  
R 19358 Zaire (central Forestier) 19358
- R *Pimelea arenaria* Cunn. 86  
R 19305 New Zealand - Chatham Is. 19106  
R 19305 New Zealand - North Is. 19305  
R 19305 New Zealand - South Is. 19305
- R *Pimelea ciliolaris* (Threlfall) Rye 20681  
R 20681 Australia - New South Wales 20681
- R *Pimelea congesta* C. Moore & F. Muell.  
R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Pimelea crosby-smithiana* Petrie  
R New Zealand - South Is.
- R *Pimelea filiformis* J.D.Hook 20681  
R 20681 Australia - Tasmania 20681
- R *Pimelea interioris* Rye 20681  
R 20681 Australia - Northern Territory 20681
- V *Pimelea leptospermoides* F.Muell. 20681  
V 20681 Australia - Queensland 20681
- R *Pimelea milliganii* Meisner 20681  
R 20681 Australia - Tasmania 20681
- R *Pimelea pagophila* Rye 20681  
R 20681 Australia - Victoria 20681
- R *Pimelea physodes* Hook. 20681  
R 20681 Australia - Western Australia 20681
- R *Pimelea pygmaea* F.Muell. 20681  
R 20681 Australia - Tasmania 20681
- E *Pimelea rara* Rye 20681  
E 20681 Australia - Western Australia 20681
- E *Pimelea spicata* R.Br. 20681  
E 20681 Australia - New South Wales 20681
- Ex *Pimelea spinescens* Rye ssp. *pubiflora*  
Rye 20681  
Ex 20681 Australia - Victoria 20681
- V *Pimelea spinescens* Rye ssp. *spinescens* 20681  
V 20681 Australia - Victoria 20681
- R *Pimelea umbratica* Cunn. ex Meisner 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V *Pimelea venosa* Threlfall 20681  
V 20681 Australia - New South Wales 20681
- R *Pimelea williamsonii* J.Black 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E *Schoenobiblus panamensis* Standl. & L.O. Wms. 20883.  
9006  
I 20883 Panama 20883
- R *Stellera formosana* (Hayata) Li 20511  
R 20511 Taiwan 20511
- E *Stelleropsis caucasica* Pobed. 5942  
E 11552 Transcaucasus (Georgia) 11552
- I *Stelleropsis magakjanii* (Sosn.) Pobed. 5942  
I 5942 Armenia 5942
- R *Struthiola anomala* Hilliard 20604  
R 20604 South Africa - Natal 20604
- I *Struthiola montana* Peterson 7759  
I Zimbabwe (Chimanimani) 7759
- R *Struthiola pondoensis* Gilg ex C.H.Wright 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R *Struthiola rhodesiana* Peterson 7876  
R Zimbabwe 7876
- E *Thymelaea broterana* Cout. 8000, 20171  
E 20076 Portugal (north) 8000
- R *Thymelaea cilicica* Meissner 12840  
R 12840 Turkey 12840
- V *Thymelaea dendryobryum* Rothm. 20171  
V Spain
- R *Thymelaea granatensis* Pau ex Lacaíta 11496, 20171  
R 11496 Spain 11496



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Thymelaeaceae: *Thymelaea*

- R** *Thymelaea putorioides* Emberger & Maire  
**R** Morocco
- I** *Thymelaea sempervirens* Murb.  
**I** Tunisia
- R** *Thymelaea tartonraira* (L.) All. 20171  
**R** 20727 Spain - Balearic Is. 20727
- E** *Thymelaea tartonraira* (L.) All. ssp. *thomasii*  
 (Duby) Briq. 20171  
**E** 20726 France - Corsica 15080
- E** *Thymelaea thomasii* Duby  
**E** 20726 France - Corsica 20726
- R** *Wikstroemia australis* Endl. 11649  
**R** 19108 Australia - Norfolk Is. (Ridges and upper valley sides, Mt. Pitt N.P.) 11649
- E** *Wikstroemia bicornuta* Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- V** *Wikstroemia capitellata* Hara 10572  
**V** 10572 Japan 10572
- Ex/E** *Wikstroemia hanalei* Wawra 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (North Kaua'i) 20850
- V** *Wikstroemia kudoii* Makino 10572  
**V** 10572 Japan 10572
- R** *Wikstroemia mononectaria* Hayata 20854  
**R** 20854 Taiwan 20854
- V** *Wikstroemia oahuensis* (A. Gray) Rock var. *palustris*  
 (Hochr.) Peterson 20850, 14209  
**I** 20850 U.S. - Hawaii (Kaua'i) 20850
- Ex/E** *Wikstroemia skottsbergiana* Sparre 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Kaua'i) 20850
- R** *Wikstroemia taiwanensis* C.E.Chang 20511  
**R** 20511 Taiwan 20511
- V** *Wikstroemia uva-ursi* A.Gray 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- V** *Wikstroemia uva-ursi* A. Gray var. *kauaiensis*  
 Skottsberg 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- V** *Wikstroemia uva-ursi* A.Gray var. *uva-ursi*  
 20850  
**I** 20850 U.S. - Hawaii 20850
- Ex/E** *Wikstroemia villosa* Hbd. 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii (Maui) 20850

**Tiliaceae**

Number of genera: 50  
 Number of species: 450  
 Recorded threatened species: 27 (6%)

Tropical and subtropical.

- R** *Apeiba intermedia* Uittien 8679  
**R** 8679 Suriname 8679
- V** *Burretiodendron hsienu* Chun & How 17617  
**V** 17617 China - Guangxi (south-west) 10642  
**V** 17617 China - Yunnan (southeastern limestone) 17617  
**V** 15734 Vietnam 6057
- R** *Corchorus aestuans* L. var. *brevicaulis*  
 L. 20511  
**R** 20511 Taiwan 20511
- E** *Corchorus cunninghamii* F.Muell. 20681  
**I** 20681 Australia - New South Wales 20681

- I** 20681 Australia - Queensland 20681
- R** *Corchorus macropterus* G.Leach & Cheek 20681  
**R** 20681 Australia - Northern Territory 20681
- E** *Craiga kwangsiensis* Hsue 17617  
**E** 18038 China - Guangxi (Tianling) 11139
- V** *Diplodiscus paniculatus* Turcz. 13780  
**V** 15960 Philippines 13780
- R** *Erinocarpus nimmonii* Graham 14782  
**R** 14782 India - Karnataka 14782  
**R** 14782 India - Maharashtra 14782
- I** *Grewia insularis* Ridley 881  
**I** 14224 Australia - Christmas Is. 881
- R** *Grewia limeae* Wild 7749  
**R** Mozambique 7749
- I** *Grewia palawanensis* Merr. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Grewia pondoensis* Burret 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Grewia rogersii* Burt Davy & Greenway 14695  
**R** 14695 Southern Africa 14695
- R** *Hasseltia lateriflora* Rusby 20883, 19553  
**R** 19553 Colombia 20883
- R** *Hasseltiopsis dioica* (Bentham) Sleumer 20883, 20513  
**I** 20883 Belize 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Honduras 20883  
**I** 20883 Mexico 20883
- R** *Macrohasseltia macroterantha* (Standl. & L.O. Wms.) L.O. Wms. 20883, 9678  
**I** 20883 Costa Rica 20883  
**I** 20883 Honduras 20883  
**I** 20883 Nicaragua 20883  
**I** 20883 Panama 20883
- E** *Mortoniodendron hirsutum* Standl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Neosprucea montana* Cuatrecasas 20883  
**I** 20883 Colombia 20883  
**I** 20883 Peru 20883
- R** *Neosprucea pedicellata* Little 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- R** *Neosprucea sararensis* Cuatrecasas 20883  
**I** 20883 Colombia 20883
- V** *Neosprucea sucumbiensis* Cuatrecasas 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- Ex/E** *Pentaplaris doroteae* L.O. Williams & Standley 12053  
**Ex/E** 11992 Costa Rica 12053
- R** *Prockia flava* Karsten 20883  
**I** 20883 Venezuela 20883
- E** *Tilia chyugokuensis* Hatus. 10572  
**E** 20626 Japan (Hiroshima) 20626
- R** *Tilia taquetii* C.K. Schneider 15957  
**R** 17577 Korea, South (Mt Chiri, Pyonganpuk-do and south to Kangwon-do) 15957
- I** *Triumfetta glabra* Rottler ex Sprengel 10252  
**I** 16162 Sri Lanka 10252
- I** *Triumfetta sloanei* F. & R. 20883, 13336  
**I** 13336 Jamaica 20883

## The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Tiliaceae: *Triumfetta*

### Tovariaceae

Number of genera:	1
Number of species:	2
Recorded threatened species:	1 (50%)

Tropical America.

- V *Tovaria diffusa* (Macf.) F. & R. 20883, 13336  
V 13336 Jamaica (Portland) 20883

### Trapaceae

Number of genera:	1
Number of species:	15
Recorded threatened species:	1 (6%)

Tropical and subtropical Africa and Eurasia.

- V *Trapa taiwanensis* Nakai 20511  
V 20511 Taiwan 20511

### Tremandraceae

Number of genera:	3
Number of species:	28
Recorded threatened species:	9 (32%)

Australia and Tasmania.

- V *Tetratheca aphylla* F.Muell. 20681  
V 20681 Australia - Western Australia 20681
- E *Tetratheca deltoidea* J.Thompson 20681, 14223  
E 20681 Australia - Western Australia 20681
- Ex *Tetratheca elliptica* J.Thompson 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- Ex *Tetratheca fasciculata* J.Thompson 20681, 14223  
Ex 20681 Australia - Western Australia 20681
- V *Tetratheca glandulosa* Smith 20681  
V 20681 Australia - New South Wales 20681
- E *Tetratheca gunnii* Hook.f. 20681  
E 20681 Australia - Tasmania 20681
- V *Tetratheca harperi* F.Muell. 20681  
V 20681 Australia - Western Australia 20681
- V *Tetratheca juncea* Smith 20681  
V 20681 Australia - New South Wales 20681
- R *Tetratheca neglecta* J.Thompson 20681  
R 20681 Australia - New South Wales 20681
- E *Tetratheca paynterae* J.Alford ms. 20681  
E 20681 Australia - Western Australia 20681
- R *Tetratheca stenocarpa* J.H.Willis 20681  
R 20681 Australia - Victoria 20681

### Trigoniaceae

Number of genera:	3
Number of species:	26
Recorded threatened species:	17 (65%)

Subtropical in moist lowland forests.

- R *Trigonia boliviana* Warming 20883  
I 20883 Bolivia 20883  
I 20883 Paraguay 20883
- E *Trigonia bracteata* Lleras 20883  
E 20883 Venezuela 20883
- R *Trigonia candelabra* Lleras 20883  
I 20883 Brazil 20883  
E 20883 Suriname 20883

- E *Trigonia copenamensis* Stafleu 20883  
E 20883 Suriname 20883
- V *Trigonia costanensis* Steyermark & Badillo 20883  
V 20883 Venezuela 20883
- V *Trigonia echiteifolia* Rusby 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883
- E *Trigonia eriosperma* ssp. *simplex* (Warming)  
Lleras 20883  
E 20883 Brazil 20883
- V *Trigonia floccosa* Rusby 20883  
V 20883 Bolivia 20883
- R *Trigonia laevis* var. *laevis* 20883  
I 20883 French Guiana 20883  
I 20883 Guyana 20883
- E *Trigonia macrantha* Warming 20883  
E 20883 Peru 20883
- R *Trigonia nivea* var. *fasciculata* (Grisebach)  
Lleras 20883  
I 20883 Brazil 20883
- R *Trigonia paniculata* Warming 20883  
I 20883 Brazil 20883
- E *Trigonia prancei* Lleras 20883  
E 20883 Peru 20883
- V *Trigonia reticulata* Lleras 20883  
I 20883 Guyana 20883  
I 20883 Venezuela 20883
- E *Trigonia rotundifolia* Lleras 20883  
E 20883 Brazil 20883
- V *Trigonia rytidocarpa* Casaretto 20883  
V 20883 Brazil 20883
- E *Trigonia subcymosa* Bentham 20883  
E 20883 Guyana 20883

### Trimeniaceae

Number of genera:	2
Number of species:	5
Recorded threatened species:	1 (20%)

New Guinea; New Caledonia; Fiji; southeastern Australia.

- E *Trimenia marquesensis* F. Brown  
E French Polynesia - Marquesas Is

### Tropaeolaceae

Number of genera:	3
Number of species:	92
Recorded threatened species:	4 (4%)

Mexico to Chile (in mountains), Patagonia.

- R *Tropaeolum capillare* Buchenau 19575  
R 19575 Argentina 19575
- R *Tropaeolum crenatiflorum* Hook.f. 18200  
R 12468 Peru 18200
- R *Tropaeolum looseri* Sparre 5598  
R 19536 Chile 5598
- E *Tropaeolum meyeri* Sparre 19575  
E 19575 Argentina 19575

**The 1997 IUCN Red List of Threatened Plants**

Magnoliopsida (dicots): Turneraceae: *Loewia*

**Turneraceae**

Number of genera: 8  
 Number of species: 120  
 Recorded threatened species: 8 (6%)

Tropical and subtropical America and Africa; Madagascar.

**R** *Loewia thomasi* (Urban) J. Lewis 7959  
 R 17435 Kenya (Limuru, Mt. Kenya) 17435

**R** *Mathurina penduliflora* Balf.f. 10082  
 R 5852 Mauritius - Rodrigues 5852

**I** *Streptopetalum graminifolium* Urb. 5926  
 I 5926 Tanzania 5926

**V** *Turnera concinna* Arbo 20883  
 I 20883 Bolivia 20883  
 I 20883 Brazil 20883  
 I 20883 Paraguay 20883

**R** *Turnera glaziovii* Urb. 8679  
 R 19954 French Guiana 18176  
 R 8679 Sunname 8679

**E** *Turnera rupestris* Aublet var. *rupestris* 19578  
 E 19578 French Guiana (rapids of the lower Sinnamary river) 19578

**R** *Turnera thomasi* (Urban) J. Lewis 6073  
 R 6073 Kenya 6073

**E** *Turnera zeasperma* Adams & Been 20883, 13336  
 E 13336 Jamaica (St. Andrew) 20883

**Ulmaceae**

Number of genera: 18  
 Number of species: 150  
 Recorded threatened species: 18 (12%)

Widespread, especially Northern Hemisphere.

**E** *Ampelocera glabra* Kuhl. 19567  
 E 19567 Brazil - Rio de Janeiro 19567

**V** *Celtis balansae* Planchon 20893  
 V 20893 New Caledonia 20893

**R** *Celtis conferta* Planchon ssp. *amblyphylla* (F. Muell.) P. Green 10604  
 R 14225 Australia - NSW - Lord Howe Is. 10604

**R** *Celtis edulis* Nakai 15957  
 R 15923 Korea, South (Mt Taegi (Kangwon-do), Myongchon (Hamkyongpuk-do)) 15957

**E** *Celtis hypoleuca* Planchon 20893  
 E 20893 New Caledonia 20893

**V** *Celtis jamaicensis* Planch. 20883  
 R 20883 Jamaica 20883

**V** *Celtis lindheimeri* Engelm. ex K. Koch 20883, 20850, 19002  
 I 20850 U.S. - Texas 20850  
 I 20883 Mexico 20883

**V** *Celtis luzonica* Warb. 12983  
 V 15960 Philippines 12983

**V** *Celtis nervosa* Hemsl. 20511  
 V 20511 Taiwan 20511

**R** *Gironniera mollissima* Gagnepain 6057  
 R Vietnam 6057

**E** *Gironniera scabrida* (Thwaites) Alston 12838  
 E 12838 Sri Lanka 12838

**R** *Pteroceltis tatarinowii* Maxim. 17617  
 R 17617 China - Anhui 11139  
 R 17617 China - Fujian 11139  
 R 17617 China - Gansu 11139  
 R 17617 China - Guangdong 11139  
 R 17617 China - Guangxi 11139  
 R 17617 China - Guizhou 11139  
 R 17617 China - Hebei 11139  
 R 17617 China - Henan 11139  
 R 17617 China - Hubei 11139  
 R 17617 China - Hunan 11139  
 R 17617 China - Jiangsu 11139  
 R 17617 China - Jiangxi 11139  
 R 17617 China - Liaoning 11139  
 R 17617 China - Qinghai 11139  
 R 17617 China - Shaanxi 11139  
 R 17617 China - Shandong 11139  
 R 17617 China - Shanxi 11139  
 R 17617 China - Sichuan 11139  
 R 17617 China - Zhejiang 11139

**E** *Ulmus chenmoui* Cheng 17617  
 E 17617 China - Anhui (Langyashan) 11139  
 E 17617 China - Jiangsu 11139

**E** *Ulmus elongata* L.K. Fu & C.S. Ding 17617  
 E 17617 China - Anhui (Qimeng; Jixi) 11139  
 E 17617 China - Fujian (Laizhou) 11139  
 E 17617 China - Jiangxi (Zhixi; Quanshan) 11139  
 E 17617 China - Zhejiang 11139

**V** *Ulmus gaussonii* Cheng 17617  
 V 17617 China - Anhui (Langyashan) 11139

**E** *Ulmus wallichiana* Planchon 9159  
 E Afghanistan (north-east) 9159  
 E India - Jammu & Kashmir 9159  
 E Nepal (west) 9159  
 E Pakistan 9159

**V** *Zelkova abelicea* (Lam.) Boiss. 17891, 20171  
 V 20731 Greece - Crete 8000

**E** *Zelkova sicula* Di Pasquale, Garfi & Quézel 21105  
 E 21105 Italy - Sicily 21105

**Umbelliferae**

Number of genera: 300-428  
 Number of species: 3,000  
 Recorded threatened species: 470 (15%)

Nearly cosmopolitan, especially North temperate regions and tropical mountains.

**V** *Aciphylla dieffenbachii* Kirk 19305  
 V 19305 New Zealand - Chatham Is. 19106

**V** *Aciphylla traversii* (F. Muell.) Hook.f. 86  
 V 19305 New Zealand - Chatham Is. 19106

**R** *Aciphylla trifoliolata* Petrie 19305  
 R 19305 New Zealand - South Is. 19305

**I** *Acronema pseudotenera* Mukh. 13883  
 I 13883 India - Sikkim (Momay Samdong) 13883

**I** *Actinolema macrolema* Boiss. 5942  
 I 5942 Armenia 5942

**V** *Actinotus schwarzii* F. Muell. 20681  
 V 20681 Australia - Northern Territory 20681

**I** *Alepidea parva* Compton 20604, 20039  
 R 20604 Swaziland 20604

**R** *Alepidea stellata* Weim. 20604  
 R 20604 South Africa - Natal 20604

**R** *Alepidea wyliei* Dummer 20604  
 R 20604 South Africa - Natal 20604

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Alepidea*

- V** *Aletes anisatus* (Gray) Theobald & Tseng 20850  
I 20850 U.S. - Colorado 20850
- V** *Aletes humilis* Coult. & Rose 20850  
V 20850 U.S. - Colorado 20850  
Ex/E 20850 U.S. - Wyoming 20850
- R** *Ammi huntii* H.C.Watson 20171  
R 19174 Portugal - Azores 19174
- V** *Ammi procerum* Lowe  
V Portugal - Madeira
- R** *Ammi trifoliatum* (H.C.Watson) Trel. 8000, 20171  
R Portugal - Azores 8000
- R** *Ammiopsis aristidis* Coss. 10488  
R 14958 Algeria 10488
- I** *Ammiopsis daucoides* Boiss.  
I Morocco
- R** *Ammoselinum giganteum* Coult. & Rose 20850  
E 20850 U.S. - Arizona 20850  
Ex/E 20850 U.S. - California 20850
- R** *Angelica acutiloba* Kitag. ssp. *lineariloba*  
Kitam. 10572  
R 10572 Japan 10572
- R** *Angelica angelicastrum* (Hoffmanns. & Link)  
Cout. 20171  
R Portugal (Serra de Estrêla) 8000
- E** *Angelica dentata* (Chapman) Coult. & Rose 20850  
I 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850
- R** *Angelica hakonensis* Maxim. var. *hakonensis* 10572  
R 10572 Japan 10572
- R** *Angelica hakonensis* Maxim. var. *nikoensis* (Yabe)  
Hara 10572  
R 10572 Japan 10572
- V** *Angelica heterocarpa* J.Lloyd 8000, 20171  
V 20528 France (southwestern) 20528
- E** *Angelica laurentiana* Fern. 20850, 14366  
E 20850 Canada - Labrador 20850  
E 20850 Canada - Newfoundland 20850  
I 20850 Canada - Quebec 20850
- I** *Angelica nubigena* (Clarke) Mukh. 13883  
I 13883 India - Sikkim (N.E at Chola and Yakla passes) 13883
- R** *Angelica pachycarpa* Lange 20171  
E 20076 Portugal 20076  
R Spain
- R** *Angelica pseudoshikokiana* Kitag. 10572  
R 10572 Japan 10572
- I** *Angelica saxicola* Makino var. *yoshinagae* Murata & Yaman. 10572  
I 10572 Japan 10572
- V** *Angelica scabrida* Clokey & Mathias ex Clokey 20850  
V 20850 U.S. - Nevada 20850
- R** *Angelica ubatakensis* Kitag. var. *ubatakensis* 10572  
R 10572 Japan 10572
- R** *Angelica ubatakensis* Kitag. var. *valida*  
Kitag. 10572  
R 10572 Japan 10572
- V** *Angelica wheeleri* S.Watson 20850  
V 20850 U.S. - Utah 20850
- R** *Angelica yakusimensis* Hara 10572  
R 10572 Japan 10572
- R** *Anginon jaarsveldii* B.L.Burt 20604  
R 20604 South Africa - Cape Province 20604
- E** *Anisotome acutifolia* (Kirk) Cockayne 86  
E New Zealand - South Is.
- I** *Annesorhiza marlothii* H.Wolff 20604  
I 20604 South Africa - Cape Province 20604
- E** *Apium bermejoi* Llorens 17891  
E 11496 Spain - Balearic Is. (north-east Menorca) 20821
- E** *Apium fernandezianum* Johow 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R** *Apium insulare* P.S. Short 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- V** *Apium prostratum* Labill. ssp. *phillipii* Keighery  
ms. 20681  
V 20681 Australia - Western Australia 20681
- E** *Apodicarpum ikeoi* Makino 10572  
E 10572 Japan 10572
- E** *Asciadium coronopifolium* Griseb. 5607  
E 19105 Cuba (Pinar del Rio) 5607
- R** *Asteriscium vidalii* Philippi 13875  
R 13875 Chile 13875
- R** *Astrantia pauciflora* Bertol. 20171  
R Italy
- V** *Athamanta cortiana* Ferrarini 8000, 20171  
V 18264 Italy (Apuan Alps - Toscana) 8000
- R** *Athamanta densa* Boiss. & Orph. 20178, 20171  
R 20178 Albania 20178  
R Greece
- R** *Athamanta macedonica* (L.) Spreng. ssp. *albanica*  
Alston & Sandwith 20178, 20171  
R 20178 Albania 20178
- R** *Athamanta turbith* (L.) Brot. ssp. *hungarica*  
(Borbas) Tutin 17823, 20171  
R 19949 Romania 20631
- R** *Aulacospermum popovii* (Korovin) Kljuyk., Pim. & Tik. 5942  
R 5942 Kazakhstan (on the border with Kirgizstan) 5942  
R 5942 Kyrgyzstan (northern border with Kazakhstan) 5942
- I** *Azorella ecuadorensis* Domin 11351  
I 19573 Ecuador 11351
- E** *Bunium brevifolium* Lowe 17781  
E Portugal - Madeira 17891
- R** *Bunium chaberti* Battand. 10488  
R 14958 Algeria 10488
- V** *Bunium crassifolium* Battand. 10488  
V 14958 Algeria 10488
- V** *Bunium elatum* Battand. 10488  
V 14958 Algeria 10488
- R** *Bunium microcarpum* (Boiss.) Freyn ssp. *longiradiatum*  
Hedge & Lamond 12840  
R 12840 Turkey 12840
- R** *Bupleurum acutifolium* Boiss. 20171  
E 20076 Portugal 20076  
R Spain
- R** *Bupleurum aira* Snogerup 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Bupleurum*

- R Greece
- R *Bupleurum anatolicum* Huber-Mor. & Reese 12840  
R 12840 Turkey 12840
- R *Bupleurum antonii* Maire  
R Morocco
- V *Bupleurum bourgaei* Boiss. & Reut. 11496  
V 11496 Spain 11496
- E *Bupleurum capillare* Boiss. & Heldr. 8000, 20171  
E Greece (Delphi-Levadha) 8000
- R *Bupleurum davisii* Snogerup 12840  
R 12840 Turkey 12840
- R *Bupleurum dianthifolium* Guss. 18264, 20171  
R 18264 Italy - Sicily (Isola di Marettimo) 18264
- R *Bupleurum eginense* (Wolff) Snogerup 12840  
R 12840 Turkey 12840
- V *Bupleurum elatum* Guss. 18264, 20171  
V 18264 Italy - Sicily (Madonie Mts.) 20738
- R *Bupleurum erubescens* Boiss. 12840  
R 12840 Turkey 12840
- V *Bupleurum falcatum* L. ssp. *dilatatum* Schur 8000, 20171  
V 19751 Poland 19751  
V 19321 Slovakia 19321
- R *Bupleurum foliosum* Salzm. ex DC. 19052, 20171  
R Spain 19052  
Ex 19052 United Kingdom - Gibraltar 19052
- V *Bupleurum gaudianum* Snogerup 20730  
V 20730 Greece - Crete 20730
- V *Bupleurum handiense* (Bolle) Kunkel 17891  
V 20750 Spain - Canary Is. 17891
- E *Bupleurum kakiskalae* Greuter 10260  
E 20730 Greece - Crete 10260
- R *Bupleurum koecheli* Fenzl 12840  
R 12840 Turkey 12840
- E *Bupleurum latissimum* Nakai 15957  
E 17577 Korea, South (Dagelet & Ulnung Is.) 15957
- R *Bupleurum nipponicum* Kozo-Polj. var. *yesoense* Hara 10572  
R 10572 Japan 10572
- R *Bupleurum pauciradiatum* Fenzl 12840, 20171  
R 12840 Turkey 12840
- I *Bupleurum pendikum* Snogerup 12840  
I 12840 Turkey 12840
- R *Bupleurum plantagineum* Desf. 10488  
R 14958 Algeria 10488
- R *Bupleurum polyactis* Post ex Snogerup 12840  
R 12840 Turkey 12840
- R *Bupleurum pulchellum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R *Bupleurum salicifolium* R. Br. ssp. *aciphyllum* Sunding & Kunkel  
R Spain - Canary Is.
- I *Bupleurum sintenisii* Aschers. & Urban ex Huter 14230  
I 5409 Cyprus 14230
- R *Bupleurum subspinosum* Maire  
R Morocco
- R *Bupleurum subuniflorum* Boiss. & Heldr. 12840  
R 12840 Turkey 12840
- R 12840 Turkey 12840
- R *Bupleurum zoharii* Snogerup 12840  
R 12840 Turkey 12840
- V *Cachrys ferulacea* (L.) Calest. 17823, 20171  
V 19949 Romania 20631
- R *Carum asinorum* Litard. & Maire  
R Morocco
- I *Carum calcicolum* Balf. f. 15534  
I 15534 Yemen - Socotra 15534
- R *Carum lacuum* Emberger  
R Morocco
- R *Carum montanum* (Coss. & Dur.) Benth. & Hook. 10488  
R 14958 Algeria 10488
- R *Carum proliferum* Maire  
R Morocco
- R *Carum rupicola* Hardvig & Strid 12840  
R 12840 Turkey 12840
- Ex/E *Carum villosum* Haines 11494  
Ex/E 11494 India - Bihar (Ramnagar, North Champaran) 11494
- I *Centella hermännifolia* (Echl. Zeyh.) Domin var. *hermannifolia* 20604  
I 20604 South Africa - Cape Province 20604
- R *Centella obtriangularis* Cannon 7749  
R Mozambique 7749
- I *Cephalopodium badachschanicum* Korovin 5942  
I 5942 Tajikistan 5942
- I *Chaerophyllum azoricum* Trel. 8000, 20171  
I 19174 Portugal - Azores 8000
- R *Chaerophyllum coloratum* L. 20178, 20171  
R 20178 Albania 20178  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- V *Chaerophyllum creticum* Boiss. & Heldr. 20171  
V 20730 Greece - Crete 20730
- R *Chaerophyllum hakkiaricum* Hedge & Lamond 12840  
R 12840 Turkey 12840
- R *Chaerophyllum heldreichii* Orph. ex Boiss. 20178, 20171  
R 20178 Albania 20178  
R Greece
- R *Chaerophyllum karsianum* Kit Tan ex Ocakverdi 12840  
R 12840 Turkey 12840
- I *Chaerophyllum orientalis* (Clarke) Mukh. 13883  
I 13883 India - Arunachal Pradesh (Naga hills) 13883
- R *Chamarea longipedicellata* B.L. Burt 20604  
R 20604 South Africa - Cape Province 20604
- R *Chamarea snijmaniae* B.L. Burt 20604  
R 20604 South Africa - Cape Province 20604
- E *Changium smyrnioides* Wolff 17617  
E 17617 China - Anhui 11139  
E 17617 China - Jiangsu 11139  
E 17617 China - Jiangxi 11139  
E 17617 China - Zhejiang 11139
- V *Cicuta maculata* L. var. *victorinii* (Fern.) Boivin 20850, 13967  
V 20850 Canada - Quebec 20850
- R *Coelopleurum trichocarpum* (Hara) Kitag. 10572  
R 10572 Japan 10572

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Coelopteurum*

- R** *Conioselinum boreale* Schischk. 20171  
**R** former USSR 6930
- V** *Conioselinum mexicanum* Coult. & Rose 20883, 19002  
**E** 20850 U.S. - Arizona 20850  
**I** 20883 Mexico 20883
- R** *Conioselinum victoris* Schischkin  
**R** former USSR 6930
- I** *Cotopaxia asplundii* Mathias & Constance 11351  
**I** 19573 Ecuador 11351
- R** *Cymbocarpum amanum* Rech. f. 12840  
**R** 12840 Turkey 12840
- V** *Cymopterus acaulis* (Pursh) Raf. var. *greeleyorum*  
**J.** Grimes & Packard 20850  
**V** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Oregon 20850
- E** *Cymopterus acaulis* (Pursh) Raf. var. *higginsii*  
 (Welsh) Goodrich 20850  
**E** 20850 U.S. - Utah 20850
- V** *Cymopterus basalticus* M.E. Jones 20850  
**E** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850
- E** *Cymopterus beckii* Welsh & Goodrich 20850  
**E** 20850 U.S. - Utah 20850
- V** *Cymopterus cinerarius* Gray 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Cymopterus coulteri* (M.E. Jones) Mathias 20850  
**R** 20850 U.S. - Utah 20850
- V** *Cymopterus davisii* Hartman 20850  
**V** 20850 U.S. - Idaho 20850
- V** *Cymopterus deserticola* Brandeg. 20850  
**V** 20850 U.S. - California 20850
- V** *Cymopterus douglassii* Hartman & Constance 20850  
**V** 20850 U.S. - Idaho 20850
- R** *Cymopterus duchesnensis* M.E. Jones 20850  
**E** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Utah 20850
- V** *Cymopterus evertii* Hartman & Kirkpatrick 20850  
**E** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- E** *Cymopterus goodrichii* Welsh & Neese 20850  
**E** 20850 U.S. - Nevada 20850
- R** *Cymopterus jonesii* Coult. & Rose 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850
- R** *Cymopterus lapidosus* (M.E. Jones) M.E. Jones 20850  
**E** 20850 U.S. - Utah 20850  
**R** 20850 U.S. - Wyoming 20850
- V** *Cymopterus megacephalus* M.E. Jones 20850  
**V** 20850 U.S. - Arizona 20850
- V** *Cymopterus minimus* (Mathias) Mathias 20850  
**V** 20850 U.S. - Utah 20850
- E** *Cymopterus panamintensis* Coult. & Rose 20850  
**I** 20850 U.S. - California 20850
- V** *Cymopterus planosus* (Osterhout) Mathias 20850  
**I** 20850 U.S. - Colorado 20850
- V** *Cymopterus ripleyi* Barneby 20850  
**E** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Cymopterus rosei* (M.E. Jones) M.E. Jones 20850  
**R** 20850 U.S. - Utah 20850
- R** *Cymopterus williamsii* Hartman & Constance 20850  
**R** 20850 U.S. - Wyoming 20850
- R** *Daucus carota* L. ssp. *gadecaei* (Rouy & Camus)  
 Heywood 20171  
**R** France
- R** *Daucus conchitae* Greuter  
**R** Greece
- I** *Daucus lopadusanus* Tineo 13351  
**I** 13351 Malta (Marfa & Comino.) 13351
- R** *Diposis bulbocastanum* DC. 19536  
**R** 19536 Chile 19536
- E** *Domeykoa amplexicaulis* (Wolff) Mathias &  
 Constance 18200  
**E** 9446 Peru 18200
- E** *Domeykoa saniculifolia* Mathias & Constance 18200  
**E** 9446 Peru 18200
- R** *Donnellsmithia silvicola* Constance & Bye 10117  
**R** 19850 Mexico 10117
- I** *Dorema glabrum* Fischer & C. Meyer 5942  
**I** 5942 Armenia 5942
- I** *Dorema karataviense* Korovin 5942  
**I** 5942 Kazakhstan 5942
- I** *Dorema microcarpum* Korovin 5942  
**I** 5942 Kyrgyzstan 5942  
**I** 5942 Uzbekistan 5942
- V** *Dracosciadium italae* Hilliard & B.L.Burt 20604  
**V** 20604 South Africa - Natal 20604
- R** *Dracosciadium saniculifolium* Hilliard &  
 B.L.Burt 20604  
**R** 20604 South Africa - Natal 20604
- R** *Echinophora carvifolia* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Echinophora chrysantha* Freyn & Sint. 12840  
**R** 12840 Turkey 12840
- R** *Echinophora turchophylla* J.E. Smith 12840  
**R** 12840 Turkey 12840
- R** *Elaeoselinum exinvolucratum* Coss. & Balansa  
**R** Morocco
- R** *Elaeoselinum humile* Ball  
**R** Morocco
- E** *Eremocharis ferreyrae* Mathias & Constance 18200  
**E** 9446 Peru 18200
- V** *Eremocharis longiramea* (Wolff) I.M. Johnston 11546  
**V** 9446 Peru 18200
- E** *Eremocharis piscoensis* Mathias & Constance 18200  
**E** 9446 Peru 18200
- V** *Eriosynaphe longifolia* (Fisch. ex Spreng.)  
 DC. 11552, 20171  
**V** 11552 Russian Federation (western) 11552
- R** *Eryngium alpinum* L. 14229, 20171  
**V** 14155 Austria 14155  
**V** 21091 Bosnia & Herzegovina 21091  
**V** 20528 France (Alps) 20528  
**V** 18264 Italy 19997  
**R** 14229 Liechtenstein 14229  
**R** 13662 Slovenia (north eastern) 13662  
**V** 18154 Switzerland 18154  
**I** (former) Yugoslavia 8000
- R** *Eryngium amorginum* Rech.f. 20171

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Eryngium*

- R 20731 Greece (Cyclades) 20731
- V *Eryngium aristulatum* Jepson var. *parishii* (Coul. & Rose) Mathias & Constance 20850  
V 20850 U.S. - California 20850
- V *Eryngium atlanticum* Battand. & Pitard  
V Morocco
- R *Eryngium bornmuelleri* Nab. 12840  
R 12840 Turkey 12840
- E *Eryngium bupleuroides* Hook. & Arn. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Eryngium caespitiferum* Font Quer & Pau  
R Morocco
- E *Eryngium castrense* Jepson 20850  
I 20850 U.S. - California 20850
- E *Eryngium constancei* Sheikh 20850  
E 20850 U.S. - California (Loch Lomond) 20850
- E *Eryngium cuneifolium* Small 20850, 17890  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- E *Eryngium fernandeziana* Skottsbo. 19125  
E 19116 Chile - Juan Fernandez Is. 19116
- V *Eryngium fontanum* A.E.Holland & E.J.Thompson 20681  
V 20681 Australia - Queensland 20681
- I *Eryngium grossii* Font Quer  
I 11496 Spain (Malaga) 11496
- R *Eryngium illex* Davis 12840  
R 12840 Turkey 12840
- E *Eryngium inaccessum* Skottsbo. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Eryngium isauricum* Contandr. ex Quezel 12840  
R 12840 Turkey 12840
- R *Eryngium juresianum* (M. Lainz) M. Lainz  
R Spain
- V *Eryngium mathiasiae* Sheikh 20850  
V 20850 U.S. - California 20850
- V *Eryngium phyteumae* Delar. f. 20883, 20850  
I 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R *Eryngium pinnatisectum* Jepson 20850  
R 20850 U.S. - California 20850
- V *Eryngium pseudorthiifolium* Contandr. ex Quezel 12840  
V 12840 Turkey 12840
- V *Eryngium racemosum* Jepson 20850  
V 20850 U.S. - California 20850
- E *Eryngium sarcophyllum* Hook. & Arn. 19116  
E 19125 Chile - Juan Fernandez Is. 19116
- R *Eryngium serbicum* Pancic 20171  
R (former) Yugoslavia
- V *Eryngium spinosepalum* Mathias 20850  
V 20850 U.S. - California 20850
- R *Eryngium ternatum* Poir. 20171  
R 20730 Greece - Crete 20730
- R *Eryngium thorifolium* Boiss. 12840  
R 12840 Turkey 12840
- V *Eryngium viviparum* J.Gay 8000, 20171  
E 20528 France (Brittany) 20528  
Ex 20705 Portugal (north) 8000  
V 20874 Spain (north west) 8000
- I *Eryngium wanaturii* Woronow 5942  
I 5942 Armenia 5942
- R *Eurytaenia hinckleyi* Mathias & Constance 20850  
R 20850 U.S. - Texas 20850
- R *Ferula amanicola* Huber-Mor. & Pesmen 12840  
R 12840 Turkey 12840
- R *Ferula bolivari* Pau  
R Morocco
- R *Ferula cypria* Post 14230  
R 19164 Cyprus 14230
- V *Ferula daninii* Zoh. 8895  
V Israel (Negev) 8895
- R *Ferula drudeana* Korovin 12840  
R 12840 Turkey 12840
- I *Ferula eugenii* Kamelein 5942  
I 5942 Tajikistan 5942
- I *Ferula gigantea* B. Fedtsch. 5942  
I 5942 Tajikistan 5942
- R *Ferula glaberrima* Korovin  
R former USSR 6930
- V *Ferula halophila* H. Pesmen 12840  
V 12840 Turkey 12840
- V *Ferula huber-morathii* H. Pesmen 12840  
V 12840 Turkey 12840
- V *Ferula lancerottensis* Parl. 20750  
V 20750 Spain - Canary Is. 20750
- E *Ferula latipinna* Santos 17891  
E 20750 Spain - Canary Is. 17891
- I *Ferula lithophila* Pim. 5942  
I 5942 Uzbekistan 5942
- V *Ferula longipedunculata* H. Pesmen 12840  
V 12840 Turkey 12840
- V *Ferula loscosii* (Lange) Willk. 20171  
V 11496 Spain 11496
- R *Ferula lycia* Boiss. 12840  
R 12840 Turkey 12840
- I *Ferula moschata* (Reinsch) Koso-Polj.  
I Asiatic U.S.S.R. (Tien Shan) 6930
- V *Ferula sinkiangensis* K.M. Shen 17617  
V 17617 China - Xinjiang Uygur Zizhiq (Yining) 11139
- I *Ferula sumbul* (Kauffm.) Hook.f. 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- R *Ferula tenuissima* Huber-Mor. & Pesmen 12840  
R 12840 Turkey 12840
- I *Ferula turcomanica* (Schischkin) Pim. 5942  
I 5942 Turkmenistan 5942
- R *Ferulago antiochia* Saya & Miskic 12840  
R 12840 Turkey 12840
- R *Ferulago balancheana* Post 12840  
R 19873 Turkey 12840
- E *Ferulago bractea* Boiss. & Hausskn. 12840  
E 12840 Turkey 12840
- R *Ferulago cypria* H. Wolff 14230  
R 19164 Cyprus 14230
- R *Ferulago isaurica* H. Pesman 12840  
R 12840 Turkey 12840

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Ferulago*

- E** *Ferulago kurdica* Post 12840  
E 12840 Turkey 12840
- R** *Ferulago latiloba* Schischkin 12840  
R 12840 Turkey 12840
- V** *Ferulago longistylis* Boiss. 12840  
V 12840 Turkey 12840
- R** *Ferulago muglae* H. Pesmen 12840  
R 12840 Turkey 12840
- R** *Ferulago pachyloba* (Fenzl) Boiss. 12840  
R 12840 Turkey 12840
- R** *Ferulago sandrasica* H. Pesmen & Quezel 12840  
R 12840 Turkey 12840
- R** *Ferulago sartorii* Boiss. 20171  
R Greece
- R** *Ferulago serpentinica* Rech.f. 20171  
R Greece
- R** *Ferulago silaifolia* (Boiss.) Boiss. 12840  
R 12840 Turkey 12840
- R** *Ferulago thyrsoflora* (Sibth. & Sm.) W.D.J.Koch 20171  
R 20730 Greece - Crete 20730
- R** *Froriepia gracillima* Leute 12840  
R 12840 Turkey 12840
- Ex** *Geocaryum bornmuelleri* (Wolff) Engstr.  
Ex Greece
- R** *Geocaryum creticum* (Boiss. & Heldr.) P.W.Ball 20730  
R 20730 Greece - Crete 20730
- Ex** *Geocaryum divaricatum* (Boiss. & Orph.) Engstr.  
Ex Greece
- R** *Geocaryum euboicum* (Rech.f.) Engstr.  
R Greece
- R** *Gingidia algens* (F.Muell.) Dawson 20681  
I 20681 Australia - Capital Territory 20681  
I 20681 Australia - New South Wales 20681
- R** *Grammosciadium confertum* Huber-Mor. & Lamond 12840  
R 12840 Turkey 12840
- I** *Halosciastrum melanotilingia* (Boiss.) Pim. & Tikhom.  
I 5942 Russia (Far East) - Primorye 5942
- R** *Heptaptera angustifolia* (Bertol.) Tutin 20171  
R Italy (Puglia, Basilicata)
- R** *Heptaptera cilicica* (Boiss. & Bal.) Tutin 12840  
R 12840 Turkey 12840
- I** *Heptaptera macedonica* (Bornm.) Tutin 20171  
I (former) Yugoslavia
- I** *Heracleum aquilegifolium* C.B. Clarke  
I India - Karnataka (Concan)  
I India - Tamil Nadu
- R** *Heracleum argaeum* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- R** *Heracleum carpaticum* Porcius 17823, 20171  
V 19949 Romania 20631  
R former European USSR
- I** *Heracleum jacquemontii* C.B. Clarke 11494  
I 11494 India (NW Himalaya) 11494
- R** *Heracleum ligusticifolium* M.Bieb. 20171  
R former European USSR
- V** *Heracleum minimum* Lam. 20171  
V France (mountains in south-east)
- R** *Heracleum paphlagonicum* Czecz. 12840  
R 12840 Turkey 12840
- R** *Heracleum pastinaca* Fenzl 12840  
R 12840 Turkey 12840
- R** *Heracleum pesmenianum* Ekim 12840  
R 12840 Turkey 12840
- I** *Heracleum pubescens* (Hoffm.) M.Bieb. 20171  
I former European USSR
- R** *Heracleum pumilum* Vill. 20528  
R 20528 France (Alps) 20528
- R** *Heracleum sphondylium* L. ssp. *artvinense* (Manden.) Davis 12840  
R 12840 Turkey 12840
- R** *Hladnikia pastinacifolia* Rchb. 8000, 20171  
R 13662 Slovenia (west) 13662
- V** *Horstrissea dolinicola* W.Greuter, Gerstb. & Egli 20730  
V 20730 Greece - Crete 20730
- I** *Hydrocotyle brittonii* Mathias 20883, 13336  
I 13336 Jamaica (St. Andrew) 20883
- R** *Hydrocotyle comocarpa* F.Muell. 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Tasmania 20681
- R** *Hydrocotyle conferta* Wt. 13883  
R 13883 India - Tamil Nadu (Nilgiri and Pulney mountains) 13883
- I** *Hydrocotyle feaniana* F. Brown 20845  
I 20845 French Polynesia - Marquesas Is 20845
- I** *Hydrocotyle grossulariaefolia* Rusby var. *jamesonii* Mathias 11351  
I 19573 Ecuador 11351
- I** *Hydrocotyle hexagona* Mathias 11351  
I 19573 Ecuador 11351
- R** *Hydrocotyle keelungensis* Liu Chao & Chuang 20511  
R 20511 Taiwan 20511
- V** *Hydrocotyle lemnoides* Benth. 20681  
V 20681 Australia - Western Australia 20681
- V** *Hydrocotyle oligantha* Urban 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- I** *Hydrocotyle palmata* Mathias 18200  
I Ecuador 11351  
V 18200 Peru 18200
- I** *Hydrocotyle pennellii* Rose ex Mathias 11351  
I Colombia 11351  
I Ecuador 11351
- E** *Hydrocotyle pygmaea* C. Wright 5607  
E 19105 Cuba (Pinar del Rio) 5607
- V** *Imperatoria lowei* Coss.  
V Portugal - Madeira
- V** *Johrenia polyscias* Bornm. 12840  
V 12840 Turkey 12840
- R** *Johrenia silenoides* Boiss. & Bal. 12840  
R 12840 Turkey 12840
- I** *Komarovia anisosperma* Korovin 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- R** *Kosopoljanskia turkestanica* Korovin 5942  
R 5942 Kazakhstan (south east border) 5942  
R 5942 Kyrgyzstan 5942  
R 5942 Turkmenistan (eastern) 5942
- R** *Kundmannia anatolica* Huber-Mor. 12840  
R 12840 Turkey 12840



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Kundmannia*

- R** *Kundmannia syriaca* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Laserpitium affine* Ledeb. 5942  
**R** Turkey (Pontus range) 8001  
**I** 5942 Georgia 5942
- R** *Laserpitium carduchorum* Hedge & Lamond 12840  
**R** 12840 Turkey 12840
- E** *Laserpitium longiradium* Boiss. 15398, 20171  
**E** 15398 Spain (Sierra Nevada) 15398
- I** *Ledebouriella seseloides* (Hoffmann) H. Wolff  
**I** former USSR 6930
- R** *Lereschia thomasii* (Ten.) Boiss. 18264, 20171  
**R** 18264 Italy (Basilicata, Calabria) 18264
- Ex/E** *Ligusticum albanicum* Jáv. 20178, 20171  
**Ex/E** 20178 Albania 20178
- Ex/E** *Ligusticum albo-alatum* Haines 11494  
**Ex/E** 11494 India - Bihar (Samrpat; Ranchi District) 11494  
**Ex/E** 11494 India - Orissa (Sarguja, Raigarh District) 11494
- R** *Ligusticum calderi* Mathias & Constance 20850, 10701  
**R** 20850 Canada - British Columbia 20850  
**E** 20850 U.S. - Alaska 20850
- R** *Ligusticum californicum* Coult. & Rose 20850  
**I** 20850 U.S. - California 20850
- R** *Ligusticum corsicum* J.Gay 19174, 20171  
**R** 19174 France - Corsica 15080
- E** *Ligusticum lucidum* Mill. ssp. *huteri* (P. Porta & G. Rigo) O. Bolos 20171  
**E** 20651 Spain - Balearic Is. 20645
- R** *Ligusticum olympicum* Novak  
**R** Greece
- R** *Ligusticum porteri* (Rydb.) Mathias & Constance var. *brevilobum* (Rydb.) Mathias & Constance 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Utah 20850
- R** *Ligusticum rhizomaticum* Hartvig  
**R** Greece (Gramos range)
- R** *Lilaeopsis carolinensis* Coult. & Rose 20850  
**E** 20850 U.S. - Alabama 20850  
**Ex/E** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Florida 20850  
**Ex/E** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Louisiana 20850  
**V** 20850 U.S. - Mississippi 20850  
**R** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Virginia 20850
- R** *Lilaeopsis masonii* Mathias & Constance 20850  
**R** 20850 U.S. - California 20850
- V** *Lilaeopsis schaffneriana* Coult. & Rose var. *recurva* (A.W. Hill) Affolter 20883, 20850  
**V** 20850 U.S. - Arizona 20850  
**I** 20883 Mexico 20883
- V** *Lomatium attenuatum* Evert 20850  
**V** 20850 U.S. - Montana 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Lomatium bicolor* (S. Wats.) Coult. & Rose var. *bicolor* 20850  
**I** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Utah 20850  
**I** 20850 U.S. - Wyoming 20850
- V** *Lomatium bradshawii* (Rose ex Mathias) Mathias & Constance 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Lomatium ciliolatum* Jepson 20850  
**I** 20850 U.S. - California 20850
- R** *Lomatium ciliolatum* Jepson var. *ciliolatum* 20850, 10260  
**I** 20850 U.S. - California 20850
- R** *Lomatium ciliolatum* Jepson var. *hooveri* Mathias & Constance 20850  
**I** 20850 U.S. - California 20850
- V** *Lomatium concinnum* (Osterhout) Mathias 20850  
**V** 20850 U.S. - Colorado 20850
- V** *Lomatium congdonii* Coult. & Rose 20850  
**V** 20850 U.S. - California 20850
- E** *Lomatium cookii* J.S. Kagan 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Lomatium cuspidatum* Mathias & Constance 20850  
**I** 20850 U.S. - Washington 20850
- E** *Lomatium erythrocarpum* Meinke & Constance 20850  
**E** 20850 U.S. - Oregon 20850
- E** *Lomatium greenmanii* Mathias 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Lomatium insulare* (Eastw.) Munz 20850  
**V** 20850 U.S. - California 20850
- V** *Lomatium junceum* Barneby & N. Holmgren 20850  
**V** 20850 U.S. - Utah 20850
- R** *Lomatium laevigatum* (Nutt.) Coult. & Rose 20850  
**R** 20850 U.S. - Oregon 20850  
**R** 20850 U.S. - Washington 20850
- E** *Lomatium latilobum* (Rydb.) Mathias 20850  
**E** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- V** *Lomatium lucidum* (Nutt. ex Torr. & Gray) Jepson 20850  
**I** 20850 U.S. - California 20850
- V** *Lomatium minimum* (Mathias) Mathias 20850  
**V** 20850 U.S. - Utah 20850
- R** *Lomatium mohavense* (Coult. & Rose) Coult. & Rose ssp. *mohavense* 20850  
**I** 20850 U.S. - California 20850
- R** *Lomatium nuttallii* (Gray) J.F. Macbr. 20850  
**E** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**E** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - Nebraska 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - New Mexico 20850  
**Ex/E** 20850 U.S. - South Dakota 20850  
**I** 20850 U.S. - Utah 20850  
**R** 20850 U.S. - Wyoming 20850
- R** *Lomatium plummerae* (Coult. & Rose) Coult. & Rose 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Lomatium repostum* (Jepson) Mathias 20850  
**V** 20850 U.S. - California 20850
- R** *Lomatium rollinsii* Mathias & Constance 20850  
**R** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Washington 20850
- R** *Lomatium salmoniflorum* (Coult. & Rose) Mathias &

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Lomatium*

- Constance 20850  
V 20850 U.S. - Idaho 20850  
Ex/E 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R** *Lomatium scabrum* (Coul. & Rose) Mathias 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Utah 20850
- E** *Lomatium shevockii* Hartman & Constance 20850  
E 20850 U.S. - California 20850
- V** *Lomatium stebbinsii* Schlessman & Constance 20850  
V 20850 U.S. - California 20850
- R** *Lomatium suksdorfii* (S.Watson) Coul. & Rose 20850  
V 20850 U.S. - Oregon 20850  
R 20850 U.S. - Washington 20850
- V** *Lomatium thompsonii* (Mathias) Cronq. 20850  
I 20850 U.S. - Washington 20850
- R** *Lomatium torreyi* (Coul. & Rose) Coul. & Rose 20850  
I 20850 U.S. - California 20850
- V** *Lomatium tuberosum* Hoover 20850  
V 20850 U.S. - Washington 20850
- R** *Melanoselinum decipiens* (Schrad. & J.C.Wendl.)  
Hoffm. 8000, 20171  
R 19174 Portugal - Azores 8000  
R 19174 Portugal - Madeira 8000
- I** *Mogoltavia sewertzowii* (Regel) Korovin 5942  
I 5942 Kyrgyzstan 5942  
I 5942 Uzbekistan 5942
- E** *Monizia edulis* Lowe 17891  
E Portugal - Madeira 17891  
E Portugal - Salvage Is. 17891
- R** *Muretia aurea* Boiss. 12840  
R 12840 Turkey 12840
- V** *Musineon lineare* (Rydb.) Mathias 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Utah 20850
- R** *Musineon vaginatum* Rydb. 20850  
R 20850 U.S. - Montana 20850  
I 20850 U.S. - Wyoming 20850
- V** *Myrrhidendron maxonii* Coul. & Rose 20883, 9006  
R 19577 Panama 20883
- E** *Naufraga balearica* Constance & Cannon 8000, 20171  
Ex 15080 France - Corsica 12844  
E 20874 Spain - Balearic Is. (Mallorca) 8000
- V** *Neoparrya lithophila* Mathias 20850  
V 20850 U.S. - Colorado 20850  
I 20850 U.S. - New Mexico 20850
- I** *Niphogeton azorelloides* Mathias & Constance 18200  
I Ecuador 11351  
V 18200 Peru 18200
- E** *Nirarathamnos asarifolius* Balf. f. 15534  
E 15534 Yemen - Socotra 18211
- E** *Oenanthe conioides* Lange 17781, 20171  
E 20640 Germany 17891
- V** *Oenanthe foucaudii* Tess. 20171  
V 20528 France (west) 20528
- V** *Oenanthe pteridifolia* Lowe  
V Portugal - Madeira
- V** *Olymposciadium caespitosum* (Sm.) Wolff 12840  
V 12840 Turkey 12840
- R** *Oreomyrrhis brevipes* Mathias & Constance 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R** *Oreomyrrhis gunnii* Mathias & Constance 20681  
R 20681 Australia - Tasmania 20681
- R** *Oreomyrrhis sessiliflora* Hook.f. 20681  
R 20681 Australia - Tasmania 20681
- R** *Oreonana clementis* (M.E. Jones) Jepson 20850  
I 20850 U.S. - California 20850
- R** *Oreonana purpurascens* Shevock & Constance 20850  
R 20850 U.S. - California 20850
- E** *Oreoxis humilis* Raf. 20850  
E 20850 U.S. - Colorado 20850
- E** *Oreoxis trotteri* Welsh & Goodrich 20850  
E 20850 U.S. - Utah 20850
- R** *Oschatzia cuneifolia* (F.Muell.) Drude 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R** *Osmorhiza brachypoda* Torr. 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- E** *Osmorhiza mexicana* Griseb. ssp. *bipatriata*  
(Constance & Shan) Lowry & A.G. Jones(Con. & Shan) 20883,  
20850, 8058  
E 20850 U.S. - Texas 20850  
I 20883 Mexico 20883
- V** *Oxypolis canbyi* (Coul. & Rose) Fern. 20850  
Ex/E 20850 U.S. - Delaware (Ellendale, Sussex Co.)  
20850  
V 20850 U.S. - Georgia (Burke & Lee & Sumter Co.)  
20850  
E 20850 U.S. - Maryland (Chester River watershed)  
20850  
E 20850 U.S. - North Carolina (Caroline Bay, Scotland  
Co.) 20850  
E 20850 U.S. - South Carolina 20850
- R** *Oxypolis greenmanii* Mathias & Constance 20850  
R 20850 U.S. - Florida 20850
- R** *Oxypolis ternata* (Nutt.) Heller 20850  
V 20850 U.S. - Florida 20850  
V 20850 U.S. - Georgia 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Texas 20850  
Ex/E 20850 U.S. - Virginia 20850
- V** *Pachytenium mirabile* Maire & Pampan.  
V Libya
- I** *Parasilau asiaticus* (Korovin) Pim. 5942  
I 5942 Tajikistan 5942
- R** *Pastinaca armena* Fisch. & Mey. ssp. *dentata* (Freyen  
& Sint) Chamb. 12840  
R 12840 Turkey 12840
- R** *Pastinacopsis glacialis* Golosk. 5942  
R 5942 Kazakhstan (south-east border with  
Kyrgyzstan) 5942  
R 5942 Kyrgyzstan (Os Issyk-Kul) 5942
- R** *Pentapeltis silvatica* (Diels)Domin 20681  
R 20681 Australia - Western Australia 20681
- R** *Perideridia californica* (Torr.) A. Nels. & J.F.  
Macbr. 20850  
I 20850 U.S. - California 20850
- E** *Perideridia erythrorhiza* (Piper) Chuang &  
Constance 20850  
E 20850 U.S. - Oregon 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Perideridia*

- V** *Perideridia gairdneri* (Hook & Arn.) Mathias ssp. *gairdneri* 20850  
**I** 20850 U.S. - California 20850
- R** *Perideridia pringlei* (Coul. & Rose) A. Nels. & J.F. Macbr. 20850  
**R** 20850 U.S. - California 20850
- V** *Petagnia saniculifolia* Guss. 8000, 20171  
**V** 19997 Italy - Sicily (Northern) 19997
- R** *Peucedanum achaicum* Halácsy 20171  
**R** Greece
- R** *Peucedanum anamallayense* C.B. Clarke 13883  
**R** 13883 India - Tamil Nadu (Coimbatore) 13883
- R** *Peucedanum arenarium* Waldst. & Kit ssp. *urbanii* (Freyn & Sint. ex Wolff) Chamb 12840  
**R** 12840 Turkey 12840
- I** *Peucedanum beluchistanicum* Wolff  
**I** Pakistan
- R** *Peucedanum boninense* Tuy. 8038  
**R** 19134 Japan - Ogasawara-shoto 8038
- I** *Peucedanum camerunensis* Jacq.-Fel.  
**I** Cameroon (Foumban)
- I** *Peucedanum ceylanicum* Gardner 8021  
**I** 16162 Sri Lanka (Galagama, Belihul-oya) 8021
- R** *Peucedanum cordatum* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- I** *Peucedanum hissaricum* Korovin 5942  
**I** 5942 Tajikistan 5942
- R** *Peucedanum khamiesbergense* B.L.Burt 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Peucedanum mogoltavicum* Korovin  
**R** former USSR 6930
- R** *Peucedanum multivittatum* Maxim. var. *linearilobum* Tatew. 10572  
**R** 10572 Japan 10572
- R** *Peucedanum pearsonii* Adamson 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Peucedanum sandwicense* Hbd. 20850  
**V** 20850 U.S. - Hawaii 20850
- E** *Peucedanum sandwicense* Hillebrand var. *sandwicense* 14209  
**E** 14209 U.S. - Hawaii 14209
- I** *Peucedanum zedelmeyerianum* Manden. 5942  
**I** 5942 Armenia 5942
- R** *Pilopteura goloskokovii* (Korovin) Pim. 5942  
**R** 4952 Kazakhstan (south-east) 5942
- V** *Pimpinella anagodendron* Bolle 19174  
**V** 19174 Spain - Canary Is. 19174
- R** *Pimpinella anisetum* Boiss. & Bal. 12840  
**R** 12840 Turkey 12840
- R** *Pimpinella battandieri* Chabert 10488  
**R** 14958 Algeria 10488
- R** *Pimpinella bicknellii* Briq. 20171  
**R** 20645 Spain - Balearc. Is. 20645
- R** *Pimpinella cypria* Boiss. 14230  
**R** 19164 Cyprus 14230
- Ex/E** *Pimpinella evoluta* (C.B. Clarke) Mukherjee 11494  
**Ex/E** 11494 India - Nagaland (Jakpho, Naga hills) 11494
- R** *Pimpinella flabellifolia* (Boiss.) Bent & Hook ex Drude 12840  
**R** 12840 Turkey 12840
- I** *Pimpinella flaccida* Clarke 13883  
**I** 13883 India - Nagaland (Kohima) 13883
- I** *Pimpinella hazarensis* Wolff  
**I** Pakistan
- R** *Pimpinella isaurica* Matthews 12840  
**R** 12840 Turkey 12840
- R** *Pimpinella junoniae* Ceball. & Ortuno  
**R** Spain - Canary Is.
- R** *Pimpinella katrajensis* Rao et Hemadri 13883  
**R** 13883 India - Maharashtra 13883
- R** *Pimpinella krookii* H.Wolff 20604  
**R** 20604 South Africa - Natal 20604
- R** *Pimpinella pretenderis* (Heldr.) Orph. ex Halácsy 20171  
**R** Greece
- R** *Pimpinella procumbens* (Boiss.) H.Wolff 20171  
**R** Spain
- Ex/E** *Pimpinella pulneyensis* Gamble 11494  
**Ex/E** 11494 India - Tamil Nadu (Palani Hills, Madurai Dist) 11494
- E** *Pimpinella rupicola* Svent. 20750  
**E** 20750 Spain - Canary Is. 20750
- R** *Pimpinella siifolia* Leresche 20171  
**R** 20528 France (Pyrénées-Atlantique) 20528  
**R** 20528 Spain 20528
- E** *Pimpinella tirupatiensis* Balakr. & Subram.  
**E** 13883 India - Andhra Pradesh 13883
- Ex/E** *Pimpinella tongloensis* Mukherjee 11494  
**Ex/E** 11494 India - Assam (Singaleela Range) 11494  
**Ex/E** 11494 India - Sikkim (Singaleela Range) 11494
- R** *Platysace cirrosa* Bunge 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Platysace clelandii* Maiden & Betche 20681  
**R** 20681 Australia - New South Wales 20681
- Ex** *Platysace dissecta* (Benth.) Norman 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- R** *Platysace heterophylla* (Benth.) Norman var. *tepperi* (J.Black) H.Eichler 20681  
**R** 20681 Australia - South Australia 20681
- R** *Platysace stephensonii* (Turcz.) Norman 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Podistera yukonensis* Mathias & Constance 20850, 1034  
**E** 20850 Canada - Yukon Territory 20850  
**E** 20850 U.S. - Alaska 20850
- I** *Polylophium panjutinii* Manden. & Schischkin 5942  
**I** 5942 Georgia 5942
- R** *Polyzygus tuberosus* Daiz. 14782  
**R** 14782 India - Karnataka 14782  
**R** 14782 India - Maharashtra 14782
- R** *Prangos denticulata* Fisch. & Mey. 12840  
**R** 12840 Turkey 12840
- R** *Prangos herderi* (Regel) Herrnst. & Heyn 5942  
**R** 5942 Kazakhstan 5942
- I** *Prangos scrubifolia* Post ex Beauv. 12840  
**I** 12840 Turkey 12840
- I** *Prangos trifida* (Miller) Herrnst. & Heyn 5942

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Prangos*

- I 5942 Russia (E. Europe) - Northwest 5942
- I** *Pternopetalum radiatum* (W. Smith) Mukherjee 11494  
I 11494 India - Sikkim 11494
- V** *Ptilimnium nodosum* (Rose) Mathias 20850  
E 20850 U.S. - Alabama (seasonally flooded rocky streams) 20850  
V 20850 U.S. - Arkansas (seasonally flooded rocky streams) 20850  
E 20850 U.S. - Georgia (granite outcrop) 20850  
E 20850 U.S. - Maryland (seasonally flooded rocky streams) 20850  
E 20850 U.S. - North Carolina (seasonally flooded rocky streams) 20850  
E 20850 U.S. - South Carolina (coastal plain ponds) 20850  
I 20850 U.S. - Virginia 20850  
E 20850 U.S. - West Virginia (seasonally flooded rocky streams) 20850
- R** *Rhabdosciadium microcalycinum* Hand.-mazz. 12840  
R 12840 Turkey 12840
- V** *Rutheopsis herbanica* (Bolle) Hansen & Kunkel 20750  
V 20750 Spain - Canary Is. 17534
- R** *Sanicula azorica* Guthnick ex Seub. 8000, 20171  
R Portugal - Azores 8000
- R** *Sanicula hoffmannii* (Munz) Shan & Constance (pro hyb.) 20850  
R 20850 U.S. - California 20850
- R** *Sanicula kaiensis* Makino & Hisauchi 10572  
R 10572 Japan 10572
- Ex/E** *Sanicula kauaiensis* St. John 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- R** *Sanicula lamelligera* Hance var. *wakayamensis* Murata 10572  
R 10572 Japan 10572
- V** *Sanicula maritima* Kellogg ex S. Watson 20850  
V 20850 U.S. - California 20850
- E** *Sanicula mariversa* Nagata & Gon 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu - Wai`anae Mts.) 20850
- E** *Sanicula purpurea* St. John & Hosaka 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu, Maui) 20850
- V** *Sanicula sandwicensis* Gray 20850, 14209  
V 20850 U.S. - Hawaii 20850
- V** *Sanicula saxatilis* Greene 20850  
V 20850 U.S. - California 20850
- I** *Scaligeria chitralica* Hiroe  
I Pakistan
- R** *Scaligeria capillifolia* Post 12840  
R 12840 Turkey 12840
- R** *Scaligeria halophila* (Rech.f.) Rech.f.  
R Greece
- R** *Scaligeria moreana* Engstrand  
R Greece
- R** *Scandix balansae* Reuter ex Boiss. 12840  
R 12840 Turkey 12840
- R** *Schrenkia kultiassovii* Korovin 5942  
R 5942 Kazakhstan (east) 5942
- R** *Schtschurowskia margaritae* Korovin 5942  
R 5942 Kazakhstan (south-east) 5942
- I** *Schultzia benthami* C.B. Clarke  
I India - Karnataka (Canara coast)
- Ex/E** *Sclerotaria pentaceros* (Korovin) Korovin 5942  
Ex/E 5942 Kazakhstan 5942
- I** *Semenovia rubtzovii* (Schischkin) Manden. 5942  
I 5942 Kazakhstan 5942
- R** *Seseli aroanicum* Hartvig  
R Greece (Mt Chelmos)
- R** *Seseli degenii* Urum. 5204, 20171  
R 5204 Bulgaria (north) 5204
- V** *Seseli djianeeae* Gamisans 15080  
V 20528 France - Corsica 20528
- I** *Seseli elatum* L. ssp. *heterophyllum* (Janka) Holub 19321  
I 19321 Slovakia 19321
- I** *Seseli eryngioides* (Korovin) Pim. & V. Tikhom. 5942  
I 5942 Kyrgyzstan 5942
- V** *Seseli farrenyi* Molero & Pujadas 19174  
V 19174 Spain 19174
- E** *Seseli intricatum* Boiss. 8000, 20171  
E 19818 Spain (Sierra de Gádor) 8000
- R** *Seseli lehmannii* Degen 20171  
R former European USSR
- R** *Seseli leucospermum* Waldst. & Kit. 8000, 20171  
R 20686 Hungary 8000
- R** *Seseli malyi* A. Kern. 13662, 20171  
R 13662 Slovenia (southern) 13662
- R** *Seseli parnassicum* Boiss. & Heldr. 20171  
R Greece
- V** *Seseli peixoteanum* Samp. 8000, 20171  
V 20076 Portugal 20076
- R** *Seseli ramosissimum* (Port.) Ces. 12840, 20171  
R 12840 Turkey 12840
- R** *Seseli resinosum* Freyn & Sint. 12840  
R 12840 Turkey 12840
- I** *Seseli saxicolum* (Albov) Pim. 5042  
I 5942 Georgia 5942
- R** *Seseli tomentosum* Vis. 20171  
R 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia
- R** *Seseli webbii* Coss.  
R Spain - Canary Is.
- V** *Shoshonea pulvinata* Evert & Constance 20850  
E 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- E** *Sium burchellii* Hemsley 10260  
E 18996 St Helena 18996
- E** *Sium helenianum* Hook.f. 18996  
E 18996 St Helena 18996
- I** *Smyrniopsis aucheri* Boiss. 5942  
I 5942 Armenia 5942  
I 5942 Azerbaijan 5942
- R** *Smyrniium gelaticum* Czecc. 12840  
R 12840 Turkey 12840
- E** *Spananthe paniculata* Jacq. var. *peruviana* Wolff 18200  
E 9446 Peru 18200
- E** *Spermolepis hawaiiensis* H. Wolff 20850, 14209  
E 20850 U.S. - Hawaii (O`ahu, West Maui) 20850
- I** *Sphaerosciadium denaense* (Schischkin) Pim. & Kljuykov 5942

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Umbelliferae: *Sphaerosciadium*

- I 5942 Tajikistan 5942  
 I 5942 Uzbekistan 5942
- R *Stefanoffia insoluta* Kijuykov 12840  
 R 12840 Turkey 12840
- R *Steganotaenia commiphoroides* M.Thulin 20884  
 E 20884 Ethiopia 20884  
 R 20884 Somalia (south) 20884
- I *Stenotaenia macrocarpa* Freyn & Sint. ssp.  
*daralaghezica* (Takht.) Takht. 5942  
 I 5942 Armenia 5942
- I *Tauschia allioides* Bye & Constance 10120  
 I 19850 Mexico 10120
- R *Tauschia bicolor* Constance & Bye 10117  
 R 19850 Mexico 10117
- I *Tauschia hintoniorum* Constance & Affolter 20883.  
 10188  
 I 20883 Mexico 20883
- V *Tauschia hooveri* Mathias & Constance 20850  
 V 20850 U.S. - Washington 20850
- E *Tauschia howellii* (Coul. & Rose) J.F. Macbr. 20850  
 E 20850 U.S. - California 20850  
 E 20850 U.S. - Oregon 20850
- I *Tauschia infernicola* Constance & Affolter 20883.  
 10188  
 I 20883 Mexico 20883
- I *Tauschia moorei* Constance & Affolter 20883, 10188  
 I 20883 Mexico 20883
- R *Tauschia tarahumara* Constance & Bye 10117  
 R 19850 Mexico 10117
- R *Tauschia tenuissima* (Geyer ex Hook.) Mathias &  
 Constance 20850  
 R 20850 U.S. - Idaho 20850  
 Ex 20850 U.S. - Washington 20850
- V *Thorella verticillatundata* (Thore) Briq. 17891.  
 20171  
 V France (south-west and west-central)  
 8000  
 V 20076 Portugal (west) 8000
- V *Tilingia tsusimensis* Kitag. 10572  
 V 10572 Japan 10572
- R *Tinguarra cervariaefolia* Parl. 17534  
 R 17534 Spain - Canary Is. 17534
- R *Tinguarra montana* Webb ex Christ 17534  
 R 17534 Spain - Canary Is. 17534
- R *Todaroa aurea* Parl. 17534  
 R 17534 Spain - Canary Is. 17534
- R *Tordylium elegans* Alava & Huber-Mor. 12840  
 R 12840 Turkey 12840
- R *Tordylium lanatum* (Boiss.) Boiss. 12840  
 R 12840 Turkey 12840
- R *Tordylium macropetalum* Boiss. 12840  
 R 12840 Turkey 12840
- R *Tordylium pestalozzae* Boiss. 20171  
 R Greece
- V *Tordylium pustulosum* Boiss. 12840  
 V 12840 Turkey 12840
- R *Torilis triradiata* Boiss. & Heldr. 12840  
 R 12840 Turkey 12840
- R *Trachymene geraniifolia* Bailey 20681  
 R 20681 Australia - Queensland 20681

- R *Trachymene inflata* Maconochie 20681  
 R 20681 Australia - Northern Territory 20681
- R *Trigonosciadium intermedium* Freyn & Sint. 12840  
 R 12840 Turkey 12840
- R *Trinia crithmifolia* (Willd.) H. Wolff 20171  
 R former European USSR
- R *Trinia kitaibelii* auct., non M. Bieb. 20171  
 R former European USSR
- I *Vvedenskya pinnatifolia* Korovin 5942  
 I 5942 Uzbekistan 5942
- R *Xanthosia tomentosa* A.S. George 20681  
 R 20681 Australia - Western Australia 20681
- I *Zeravschania regeliana* Korovin 5942  
 I 5942 Tajikistan 5942  
 I 5942 Uzbekistan 5942

Urticaceae

Number of genera: 45  
 Number of species: 700  
 Recorded threatened species: 117 (16%)

Tropical and subtropical.

- E *Boehmeria australis* Endl. var.  
*australis* 11649  
 E 11649 Australia - Norfolk Is. 11649
- V *Boehmeria australis* Endl. var. *dealbata*  
 (Cheeseman) Sykes 20625, 11649  
 V 19106 New Zealand - Kermadec Is. (Raoul Island)  
 20625
- R *Boehmeria calophleba* C. Moore & F. Muell.  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- R *Boehmeria excelsa* (Bert. ex Steud.) Wedd. 20883.  
 19116  
 V 19125 Chile - Juan Fernandez Is. 19116  
 V 20883 Chile 20883
- R *Boehmeria hwaliensis* Liu & Lu 20511  
 R 20511 Taiwan 20511
- R *Boehmeria jamaicensis* Urb. 20883  
 R 20883 Jamaica 20883
- R *Boehmeria pilushanensis* Liu & Lu 20511  
 R 20511 Taiwan 20511
- I *Boehmeria tirapensis* Deb & R. Dutta  
 I India - Arunachal Pradesh (Tirap District)
- V *Debregeasia dentata* Hook.f. 14872  
 V 14872 Bangladesh 14872
- I *Droguetia gaudichaudiana* Marais  
 I 14220 Réunion 14220
- R *Elatostema curtisii* (Ridley) H. Schroter  
 R Malaysia - Peninsular Malaysia
- E *Elatostema montanum* Endl. 19108  
 E 14225 Australia - Norfolk Is. 14288
- I *Elatostema palawanensis* C.B. Rob. 13833  
 I 13833 Philippines (Palawan) 13833
- I *Elatostema ranongensis* Yahara 19120  
 I 19120 Thailand 19120
- E *Elatostema stenophyllum* Merr.  
 E U.S. - Guam
- R *Elatostema tutuilense* Whistler 8006  
 R U.S. - American Samoa (Tutuila) 8006
- I *Elatostema walkerae* Hook.f. 10252

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Urticaceae: *Elatostema*

- I 16162 Sri Lanka 10252
- R *Elatostema yakushimensis* Hatus. 10572  
R 10572 Japan 10572
- V *Gesnouinia arborea* (L.f.) Gaudich. 17534  
V 19174 Spain - Canary Is. 17534
- R *Gyrotaenia microcarpa* (Wedd.) F. & R. 20883  
R 20883 Jamaica 20883
- R *Gyrotaenia spicata* (Wedd.) Wedd. 20883  
R 20883 Jamaica 20883
- E *Hesperocnide sandwicensis* (Weddell) Weddell 20850.  
14209  
E 20850 U.S. - Hawaii 20850
- R *Meniscogyne petelotii* Gagnepain 6057  
R Vietnam 6057
- E *Neraudia angulata* Cowan 20850  
I 20850 U.S. - Hawaii 20850
- E *Neraudia angulata* R. Cowan var. *angulata* 20850  
E 20850 U.S. - Hawaii 20850
- E *Neraudia angulata* Cowan var. *dentata* O. Deg. & Cowan 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Neraudia kauaiensis* (Hbd.) Cowan 20850, 14209  
E 20850 U.S. - Hawaii (Kauai) 20850
- V *Neraudia melastomifolia* Gaud. 20850, 14209  
V 20850 U.S. - Hawaii 20850
- E *Neraudia ovata* Gaud. 20850, 14209, 21355  
E 20850 U.S. - Hawaii (Hawaii) 20850
- E *Neraudia sericea* Gaud. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E *Obetia aldabrensis* Frits 14981  
E 14981 Seychelles 14981
- V *Obetia ficifolia* (Poiret) Gaudich. 10082  
V 14234 Réunion 14234  
Ex 20771 Mauritius 5852  
E 5852 Mauritius - Rodrigues (Grande Mt) 5852
- I *Parietaria fernandeziana* 19116  
I 19125 Chile - Juan Fernandez Is. 19116
- R *Parietaria filamentosa* Webb & Berthel.  
R Spain - Canary Is.
- R *Pellionia arisanensis* Hayata var. *pygmaea*  
Yamamoto 20511  
R 20511 Taiwan 20511
- R *Pellionia yosiei* Hara 10572  
R 10572 Japan 10572
- R *Petelotiella tonkinensis* (Gagnepain) Gagnepain 6057  
R Vietnam 6057
- I *Phenax microphyllus* Urban 5607  
I 19105 Cuba 5607
- V *Pilea ambecarpa* Urban 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Pilea andersonii* Adams 20883, 13336  
V 13336 Jamaica (St. Thomas) 20883
- R *Pilea angustifolia* Killip 9037  
R 19754 Costa Rica 9037
- R *Pilea appendiculata* F. & R. 20883, 13336  
R 13336 Jamaica (Clarendon, Manchester) 20883
- E *Pilea articulata* Wedd. 10082  
E 20771 Mauritius 10082
- E *Pilea balfourii* Baker 10082  
E 5852 Mauritius - Rodrigues (Cascade Victoire) 5852
- R *Pilea beguinotti* Cuf. 9037  
R 19754 Costa Rica 9037
- E *Pilea bisepal* 19473  
E 19473 Cook Is. (Southern group) (Rarotonga) 19473
- Ex/E *Pilea boehmerioides* Wedd. 10082  
Ex/E 20771 Mauritius 10082
- V *Pilea borbonica* Marais 10082  
V 14220 Réunion 10082
- R *Pilea brevistipula* Urb. 20883  
R 20883 Jamaica 20883
- E *Pilea cadetii* Marais 10082  
E 14220 Réunion 10082
- R *Pilea carnosia* Britton 5607  
R 19105 Cuba (Granma; Guantanamo) 5607
- E *Pilea cataractae* Marais 10082  
E 20771 Mauritius 10082
- E *Pilea chiriquina* Killip 20883, 9006  
I 20883 Panama 20883
- V *Pilea ciliata* (Sw.) Blume 20883  
V 20883 Jamaica 20883
- I *Pilea clandestina* Wedd. 20883, 13336  
I 19890 Jamaica (west) 20883
- E *Pilea cocottei* Marais 10082  
E 20771 Mauritius 10082
- R *Pilea crassifolia* (Willd.) Blume 20883  
R 20883 Jamaica 20883
- E *Pilea crenulata* (Sw.) Urb. 20883  
E 20883 Jamaica 20883
- R *Pilea cuneiformis* Wedd. 10082  
R 20771 Mauritius 10082
- R *Pilea elizabethae* F. & R. 20883  
R 20883 Jamaica 20883
- V *Pilea filipes* (Griseb.) Urban 5607  
V 19105 Cuba (Guantanamo) 5607
- V *Pilea flavicaulis* Urb. & Britton 20883  
V 20883 Jamaica 20883
- V *Pilea harrisii* Urb. 20883  
V 20883 Jamaica 20883
- V *Pilea impressa* Urb. 20883  
V 20883 Jamaica 20883
- E *Pilea impressa* Urb. var. *barbata*  
Adams 20883, 13336  
E 20883 Jamaica (Clarendon) 20883
- R *Pilea impressa* Urb. var. *impressa* 20883, 13336  
R 13336 Jamaica (Hanover, Trelawny) 20883
- V *Pilea kiotensis* Ohwi 10572  
V 10572 Japan 10572
- E *Pilea laciniata* Urban 5607  
E 19105 Cuba (Guantanamo) 5607
- E *Pilea laevicaulis* Wedd. 10082  
E 20771 Mauritius 10082
- R *Pilea lamiifolia* F. & R. 20883  
R 20883 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Urticaceae: *Pilea*

- R** *Pilea lamiifolia* F. & R. var. *lamiifolia* 20883  
**R** 20883 Jamaica 20883
- R** *Pilea lamiifolia* F. & R. var. *puberula* F. & R. 20883  
**R** 20883 Jamaica 20883
- E** *Pilea lamioides* Wedd. 18200  
**E** 9446 Peru 18200
- V** *Pilea laurae* Adams 20883, 13336  
**V** 13336 Jamaica (Trelawny) 20883
- E** *Pilea leptophylla* Urban 20883  
**I** 20883 Puerto Rico 20883
- E** *Pilea libanensis* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- V** *Pilea loeseneri* Urban & Ekman 5607  
**V** 19105 Cuba (Guantanamo) 5607
- R** *Pilea lucens* (Poiret) Wedd. ssp. *lucens* 10082  
**R** 20771 Mauritius 10082
- R** *Pilea lucida* (Sw.) Blume 20883  
**R** 20883 Jamaica 20883
- R** *Pilea maxonii* Britton 20883  
**R** 20883 Jamaica 20883
- R** *Pilea oblanceolata* F. & R. 20883, 13336  
**R** 13336 Jamaica (Clarendon) 20883
- R** *Pilea obtusangula* Urban 5607  
**R** 19105 Cuba (SC; Gu) 5607
- V** *Pilea ordinata* Adams 20883, 13336  
**V** 13336 Jamaica (Hanover) 20883
- V** *Pilea phaecarpa* Urban 5607  
**V** 19105 Cuba (Guantanamo) 5607
- E** *Pilea pollicaris* Marais 10082  
**E** 20771 Mauritius 10082
- R** *Pilea portlandiana* Adams 20883, 13336  
**R** 13336 Jamaica (Portland) 20883
- V** *Pilea proctorii* Adams 20883, 13336  
**V** 13336 Jamaica (west) 20883
- E** *Pilea radicans* (Sw.) Wedd. 20883  
**E** 20883 Jamaica 20883
- R** *Pilea reticulata* (Sw.) Wedd. 20883  
**R** 20883 Jamaica 20883
- V** *Pilea richardii* Urban 20883, 15106  
 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. (DS 2790; St Thomas) 20883
- V** *Pilea rotundata* Griseb. 20883  
**V** 20883 Jamaica 20883
- V** *Pilea rufa* (Sw.) Wedd. 20883  
**V** 20883 Jamaica 20883
- V** *Pilea rufa* (Sw.) Wedd. var. *microstipula* Adams 20883, 13336  
**V** 13336 Jamaica (Hanover) 20883
- V** *Pilea rufa* (Sw.) Wedd. var. *rufa* 20883  
**V** 20883 Jamaica 20883
- V** *Pilea rufescens* F. & R. 20883, 13336  
**V** 13336 Jamaica (Trelawny) 20883
- E** *Pilea rugosissima* Killip 20883, 9006  
**I** 19577 Panama 20883
- V** *Pilea saxicola* Urb. 20883, 13336  
**V** 13336 Jamaica (Trelawny) 20883
- E** *Pilea serrulata* (Sw.) Wedd. 20883  
**E** 20883 Jamaica 20883
- I** *Pilea serrulata* (Sw.) Wedd. var. *serrulata* 13336  
**I** 13336 Jamaica 13336
- V** *Pilea sessiliflora* (Sw.) Wedd. 20883, 13336  
**V** 13336 Jamaica (Manchester) 20883
- R** *Pilea shaferi* Britton & P. Wilson 5607  
**R** 19105 Cuba (Guantanamo) 5607
- V** *Pilea silvicola* F. & R. 20883, 13336  
**V** 13336 Jamaica (Clarendon) 20883
- V** *Pilea sohayakiensis* Kitam. 10572  
**V** 10572 Japan 10572
- V** *Pilea sumideroensis* Britton 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- V** *Pilea suta* Adams 20883, 13336  
**V** 13336 Jamaica (Manchester) 20883
- Ex** *Pilea thouarsiana* Wedd. 10082  
**Ex** 20771 Mauritius 10082
- V** *Pilea tilarana* W. Burger 9037  
**V** 19754 Costa Rica 9037
- Ex** *Pilea trilobata* (Poiret) Wedd. 10082  
**Ex** 20771 Mauritius 10082
- R** *Pilea verbascifolia* (Poiret) Wedd.  
**R** 20771 Mauritius 10082
- V** *Pilea virgata* Wedd. 20883  
**V** 20883 Jamaica 20883
- R** *Pilea weddellii* F. & R. 20883  
**I** 20883 Jamaica 20883
- V** *Pilea wilsonii* Urb. 20883, 13336  
**V** 13336 Jamaica (Portland) 20883
- V** *Pilea wulfschlaegelii* Urb. 20883, 13336  
**V** 19890 Jamaica (Manchester) 20883
- V** *Pilea yunckeri* Adams 20883, 13336  
**V** 13336 Jamaica (Portland) 20883
- V** *Pilea yunquensis* (Urban) Britt. & Wilson 20883, 8058  
**I** 20883 Puerto Rico 20883
- E** *Pipturus henryanus* F. Brown  
**E** French Polynesia - Marquesas Is
- R** *Pouzolzia laevigata* (Poiret) Gaudich. 10082  
**R** 14220 Réunion 14220  
**R** 20771 Mauritius 10082
- E** *Procris boninensis* Tuy. 8038  
**E** 18128 Japan - Ogasawara-shoto (Hahajima) 8038
- V** *Procris insularis* H. Schroter 14296  
**V** 19181 Seychelles (granitic) 14296
- Ex/E** *Rousselia erratica* Standley & Steyer. 9061  
**Ex/E** 11967 Nicaragua 9061
- R** *Urera acuminata* (Poiret) Decne. 10082  
**R** 20771 Mauritius 10082
- E** *Urera chlorocarpa* Urban 20883, 19002  
**I** 20883 Puerto Rico 20883
- R** *Urera expansa* (Sw.) Griseb. 20883  
**R** 20883 Jamaica 20883
- E** *Urera kaalae* Wawra 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu) 20850
- R** *Urtea atrovirens* Req ex Loisel. ssp. *bianorii*

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Urticaceae: *Urtica*

(Knoche) Font quer & Garc. 20727

- R Spain - Balearic Is.  
**E** *Urtica fernandeziana* (Rich.) H. Ross 19116  
 E 19125 Chile - Juan Fernandez Is. 19116  
**E** *Urtica masafuerana* Philippi 19116  
 E 19125 Chile - Juan Fernandez Is. 19116  
**R** *Urtica rupestris* Guss. 18264, 20171  
 R 18264 Italy - Sicily 18264  
**R** *Urtica stachyoides* Webb & Berthel.  
 R Spain - Canary Is.

**Vahliaceae**

Number of genera: 1  
 Number of species: 5  
 Recorded threatened species: 1 (20%)

Africa to north-west India, Indochina.

- R** *Vahlia capensis* (L. f.) Thunb. ssp. *machrantha*  
 (Klotzsch) Bridson 7749  
 R Mozambique 7749

**Valerianaceae**

Number of genera: 13  
 Number of species: 300  
 Recorded threatened species: 31 (10%)

Nearly cosmopolitan, especially North temperate regions and Andes.

- R** *Centranthus kellereri* (Stoj. Stef. et Georg.) Stoj. et Stef. 19709  
 R 19709 Bulgaria 19709  
**R** *Centranthus nevadensis* Boiss. 20171  
 R 20664 Spain (Granada, Málaga, Cádiz) 20664  
**E** *Centranthus trinervis* (Viv.) Bég. 8000, 20171  
 E 15080 France - Corsica 20528  
 E 19174 Italy - Sardinia 19174  
**R** *Patrinia saniculaefolia* Hemsley ex Nakai 15957  
 R 15923 Korea, South 15957  
**R** *Patrinia triloba* Miq. var. *kozushimaensis*  
 Honda 10573  
 R 10573 Japan 10573  
**V** *Patrinia triloba* Miq. var. *takeuchiana*  
 Ohwi 10573  
 V 10573 Japan 10573  
**R** *Stangea henrici* Graebner 18200  
 R 12468 Peru 18200  
**R** *Stangea rhizantha* (A.Gray) Killip 18200  
 R 12468 Peru 18200  
**I** *Valeriana ajanensis* (Regel & Tiling) Komarov 5942  
 I 5942 Russia (Far East) - Khabarovsk 5942  
**I** *Valeriana beddomei* C.B. Clarke  
 I India - Tamil Nadu  
**R** *Valeriana bertisceae* Pancic 20178, 20171  
 R 20178 Albania 20178  
 R 21091 Bosnia & Herzegovina 21091  
 R Greece  
 R (former) Yugoslavia  
**R** *Valeriana bolkarica* Contandr. ex Quezel 12840  
 R 12840 Turkey 12840  
**R** *Valeriana celtica* L. ssp. *celtica* 20171  
 R France

- R Italy  
 R 18154 Switzerland 18154  
**R** *Valeriana celtica* ssp. *penningiana* Vierh. 18154  
 R 18154 Switzerland 18154  
**I** *Valeriana coleophylla* Diels 11351  
 I 11351 Ecuador 11351  
**R** *Valeriana crinii* Orph. ex Boiss. 20178, 20171  
 R 20178 Albania 20178  
 R Greece 20178  
**R** *Valeriana longiflora* Willk. 20171  
 R Spain  
**R** *Valeriana olenaea* Boiss. & Heldr. 20171  
 R Greece  
**R** *Valeriana oliganthe* Boiss. & Heldr. 12840  
 R 12840 Turkey 12840  
**R** *Valeriana phitosiana* Quézel & Contandr. 20171  
 R Greece  
**R** *Valeriana pinnatifida* Ruiz Lopez & Pavon 18200  
 R 9446 Peru 18200  
**R** *Valeriana pratensis* Dierb. ex E.Walther, [non (Benth.) Benth. ex Steud.] 11986, 20171  
 R 16360 Mexico 11986  
**R** *Valeriana speluncaria* Boiss. ssp. *glabriuscula*  
 Contandr. ex Quezel 12840  
 R 12840 Turkey 12840  
**R** *Valeriana texana* Steyermark 20850  
 V 20850 U.S. - New Mexico 20850  
 V 20850 U.S. - Texas 20850  
**I** *Valerianella affinis* Balf. f. 15534  
 I 15534 Yemen - Socotra 15534  
**R** *Valerianella divaricata* Lange 20171  
 R Spain  
**V** *Valerianella fusiformis* Pau 20171  
 V Spain  
**R** *Valerianella leptocarpa* Pomel 10488  
 R 14958 Algeria 10488  
**R** *Valerianella martinii* Loscos 20171  
 R 20692 Spain (central and eastern) 20692  
**V** *Valerianella multidentata* Loscos & J.Pardo 20171  
 V Spain  
**R** *Valerianella ozarkana* Dyal 20850  
 R 20850 U.S. - Arkansas 20850  
 V 20850 U.S. - Missouri 20850  
 I 20850 U.S. - Oklahoma 20850  
**R** *Valerianella palmeri* Dyal 20850  
 R 20850 U.S. - Arkansas 20850  
 E 20850 U.S. - Oklahoma 20850  
**V** *Valerianella texana* Dyal 20850  
 V 20850 U.S. - Texas 20850

**Verbenaceae**

Number of genera: 100  
 Number of species: 2,600  
 Recorded threatened species: 122 (4%)

Pantropical, with only a few species in temperate regions.

- Ex/E** *Aegiphila caymanensis* Moldenke 19712  
 Ex/E 19434 Cayman Is. (Grand Cayman) 19712  
**V** *Aegiphila foetida* Sw. 20883  
 V 20883 Jamaica 20883



The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Verbenaceae: *Aegiphila*

- R** *Aegiphila obtusa* Urb. 20883, 13336  
**R** 13336 Jamaica (St. Catherine, Manchester) 20883
- R** *Aegiphila oligoneura* Urb. 20883, 13336  
**R** 13336 Jamaica (St. Elizabeth, Manchester) 20883
- I** *Aegiphila plicata* Urb. 20883, 13336  
**I** 13336 Jamaica 20883
- I** *Aegiphila swartziana* Urb. 13336  
**I** 19890 Jamaica 19890
- R** *Aegiphila trifida* Sw. 20883  
**R** 20883 Jamaica 20883
- V** *Aegiphila uniflora* Urb. 20883, 13336  
**V** 13336 Jamaica (Portland) 20883
- V** *Callicarpa ampla* Schauer 20883, 10197  
**V** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. 20883
- R** *Callicarpa bracteata* Dop 6057  
**I** 20985 Vietnam 6057
- E** *Callicarpa crassinervis* Urban 5607  
**E** 19105 Cuba (Guantanamo) 5607
- V** *Callicarpa floccosa* Urban 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607
- R** *Callicarpa glabra* H.J. Lam 19136  
**R** 19136 Japan - Ogasawara-shoto 19136
- I** *Callicarpa glandulosa* Fletcher 19120  
**I** 19120 Thailand 19120
- R** *Callicarpa hypoleucophylla* Lin & Wang 20854  
**R** 20854 Taiwan 20854
- V** *Callicarpa leonis* Mold. 5607  
**V** 19105 Cuba (Holguin, Guantanamo) 5607
- E** *Callicarpa nishimurae* Koidz. 8038  
**E** 19134 Japan - Ogasawara-shoto (Chichijima; Anijima) 8038
- R** *Callicarpa petelotii* Dop 6057  
**R** Vietnam 6057
- R** *Callicarpa remotiflora* Lin & Wang 20511  
**R** 20511 Taiwan 20511
- R** *Callicarpa remotiserrulata* Hayata 20854  
**R** 20854 Taiwan (Heng-ch'un) 20511
- I** *Callicarpa reticulata* Sw. 20883, 13336  
**I** 13336 Jamaica 20883
- I** *Callicarpa rivularis* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Callicarpa thozetii* Munir 20681  
**R** 20681 Australia - Queensland 20681
- R** *Callicarpa yakushimensis* Koidz. 10573  
**R** 10573 Japan 10573
- I** *Caryopteris mongholica* Bunge 5942  
**I** 5942 Russia (Siberia) - Buryatiya (south of Lake Baikal) 5942  
**V** 20756 China - Gansu (south-east) 20756  
**V** 20756 China - Hubei (north) 20756  
**V** 20756 China - Ningxia 20756  
**V** 20756 China - Shaanxi (south) 20756  
**V** 20756 China - Shanxi (east) 20756
- R** *Caryopteris nepalensis* Moldenke 7731  
**R** Nepal (central & east) 7731
- E** *Citharexylum ekmanii* Mold. 5607  
**E** 19105 Cuba (Cienfuegos; Villa Clara) 5607
- V** *Citharexylum sulcatum* Mold. var. *hirtellum* Mold. 19352  
**V** 19352 Colombia 19352
- V** *Citharexylum ternatum* Mold. 5607  
**V** 19105 Cuba (Granma) 5607
- I** *Clerodendrum chlorisepalum* Merr. ex Moldenke 19120  
**I** 19120 Thailand 19120
- I** *Clerodendrum galeatum* Balf. f. 15534  
**I** 15534 Yemen - Socotra 15534
- R** *Clerodendrum grayi* Munir 20681  
**R** 20681 Australia - Queensland 20681
- R** *Clerodendrum harmadianum* Dop 6057  
**R** Vietnam 6057
- R** *Clerodendrum laciniatum* Balf.f. 10082  
**R** 5852 Mauritius - Rodrigues 5852
- I** *Clerodendrum lankawiense* King & Gamble var. *andamanense* Moldenke 7771  
**I** India - Andaman Is. (S. Andaman Is.) 7771
- I** *Clerodendrum leucophloeum* Balf. f. 15534  
**I** 15534 Yemen - Socotra 15534
- R** *Clerodendrum molle* Kunth var. *glabrescens* Svenson 11117  
**R** Ecuador - Galapagos (Santa Cruz) 11117
- R** *Clerodendrum nhatrangense* Dop 6057  
**R** Vietnam 6057
- I** *Clerodendrum ridleyi* King & Gamble  
**I** 19209 Malaysia - Peninsular Malaysia (Perak, Selangor/Wilayah Persekutuan) 19209
- I** *Clerodendrum sansibareense* Gürke 5926  
**I** 5926 Tanzania (Zanzibar) 5926
- V** *Coelocarpum haggierensis* Miller & Nyberg 15534  
**V** 15534 Yemen - Socotra 15534
- R** *Coelocarpum socotranum* Balf. f. 15534  
**R** 15534 Yemen - Socotra 15534
- I** *Congea hansenii* Moldenke 19120  
**I** 19120 Thailand 19120
- E** *Cornutia obovata* Urban 20883, 19706  
**I** 20883 Puerto Rico 20883
- R** *Cornutia thyrsoides* Moldenke 20883  
**R** 20883 Jamaica 20883
- Ex** *Dicrastylis morrisonii* Munir 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- I** *Duranta arida* Britton & P. Wilson 5607  
**I** Cuba (Guantanamo) 5607
- E** *Duranta parviflora* Turcz. 5607  
**E** 19105 Cuba (Santiago de Cuba) 5607
- R** *Duranta stenostachya* Todaro 19001  
**R** 19001 Dominica 19001  
**R** 19001 Martinique (Massif de la Montagne Pelée above 600m) 19001
- I** *Garrettia siamensis* Fletcher 19120  
**I** 19120 Thailand (Doi Chiangdao) 19120
- V** *Glandularia maritima* (Small) Small 20850  
**V** 20850 U.S. - Florida 20850
- E** *Glandularia tampensis* (Nash) Small 20850  
**E** 20850 U.S. - Florida 20850
- R** *Glossocarya crenata* Fletcher 19120  
**R** 19120 Thailand 19120

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Verbenaceae: *Glossocarya*

- I** *Glossocarya longiflora* Fletcher 19120  
I 19120 Thailand 19120
- I** *Glossocarya siamensis* Craib 19120  
I 19120 Thailand 19120
- R** *Gmelina hainanensis* Oliver 17617  
V 17617 China - Hainan Is. 11139  
R Vietnam 6057
- E** *Gmelina lignum-vitreum* Guillaumin 20893  
E 20893 New Caledonia 20893
- I** *Gmelina paniculata* Fletcher 19120  
I 19120 Thailand 19120
- I** *Gmelina tomentosa* Fletcher 19120  
I 19120 Thailand 19120
- E** *Holmskioldia gigas* Faden 20885  
Ex/E 20057 Kenya (Mwarakaya) 20057  
E 20885 Tanzania (Kilwa) 20900
- I** *Hymenopyramis acuminata* Fletcher 19120  
I 19120 Thailand 19120
- R** *Lantana angustifolia* Mill. 20883  
R 20883 Jamaica 20883
- V** *Lantana depressa* Small 20850  
I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- E** *Lantana depressa* Small var. *depressa* 20850.  
10260  
E 20850 U.S. - Florida 20850
- V** *Lantana depressa* Small var. *floridana* (Moldenke)  
R.W. Sanders 20850  
I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - South Carolina 20850
- E** *Lantana depressa* Small var. *sanibelensis* R.W.  
Sanders 20850  
E 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- E** *Lantana dwyeriana* Mold. 20883  
I 20883 Mexico 20883
- E** *Lantana glandulosissima* Mold. var. *grandis*  
Mold. 20883, 10747  
I 20883 Panama 20883
- R** *Lantana jamaicensis* Britton 20883  
R 20883 Jamaica 20883
- E** *Lippia acuminata* C. Wright 5607  
E 19105 Cuba 5607
- R** *Lippia herrerae* Mold. 18200  
R 12468 Peru 12468
- R** *Lippia rosmarinifolia* Andersson 11117  
R Ecuador - Galapagos 11117
- E** *Lippia salicifolia* Andersson 11117  
E 14980 Ecuador - Galapagos 9389
- V** *Nashia armata* (Urban) Mold. 5607  
V 19105 Cuba (Santiago de Cuba) 5607
- E** *Nashia cayensis* Britton 5607  
E 19105 Cuba (Camaguey) 5607
- I** *Nashia inaguensis* Millsp.  
I 4650 Bahamas 4650
- E** *Nashia myrtifolia* (Griseb.) Mold.  
E 19105 Cuba 19105
- V** *Nashia nipensis* (Urban) Mold. 5607  
V 19105 Cuba (Holguin) 5607
- R** *Nashia variifolia* (Urban) Mold. 5607  
R 19105 Cuba 5607
- V** *Newcastelia velutina* Munir 20681  
V 20681 Australia - Queensland 20681
- V** *Oxera cauliflora* Deplanche ex Dubard 20893  
V 20893 New Caledonia 20893
- R** *Oxera crassifolia* Guillaumin 20893  
R New Caledonia 20893
- V** *Oxera macrocalyx* Dubard 20893  
V 20893 New Caledonia 20893
- V** *Oxera nuda* Virost 20893  
V 20893 New Caledonia 20893
- V** *Paravitex siamica* Fletcher 19120  
V 19120 Thailand 19120
- E** *Parodianthus ilicifolius* (Moldenke) Tronc. 16336  
E 16336 Argentina 16336
- E** *Petrea morii* Mold. 20883, 10747  
I 20883 Panama 20883
- V** *Pityrodia augustensis* Munir 20681  
V 20681 Australia - Western Australia 20681
- R** *Pityrodia byrnesii* Munir 20681  
R 20681 Australia - Northern Territory 20681
- R** *Pityrodia gilruthiana* Munir 20681  
R 20681 Australia - Northern Territory 20681
- R** *Pityrodia lanceolata* Munir 20681  
R 20681 Australia - Northern Territory 20681
- R** *Pityrodia megalophylla* Munir 20681  
R 20681 Australia - Northern Territory 20681
- R** *Pityrodia puberula* Munir 20681  
R 20681 Australia - Northern Territory 20681
- E** *Pityrodia scabra* A.S.George 20681  
E 20681 Australia - Western Australia 20681
- R** *Pityrodia serrata* Munir 20681  
R 20681 Australia - Northern Territory 20681
- R** *Pityrodia spenceri* Munir 20681  
R 20681 Australia - Northern Territory 20681
- I** *Premna annulata* Fletcher 19120  
I 19120 Thailand 19120
- I** *Premna collinsae* Craib 19120  
I 19120 Thailand 19120
- V** *Premna grandifolia* A.D.J. Meeuse 7926  
V 20887 Côte d'Ivoire 7926
- I** *Premna maxima* T.C.E. Fr. 20556, 20057  
I 20057 Kenya 20057
- I** *Premna paucinervis* (C.B. Clarke) Gamble  
I India - Tamil Nadu (Coimbatore)
- I** *Premna purpurascens* Thwaites 8021  
I 16162 Sri Lanka (Doluwakanda, Ambagamuwa) 8021
- V** *Premna szemaensis* Pei 17617  
V 17617 China - Yunnan 11139
- I** *Premna thwaitesii* Clarke 8021  
I 16162 Sri Lanka (Madugoda, Kandy) 8021
- Ex/E** *Priva portoricensis* Urban 20883, 14662  
I 20883 Puerto Rico 20883

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Verbenaceae: *Priva*

- R** *Pseudocarpidium shaferi* Britton 5607  
**R** 19105 Cuba (Guantanamo) 5607
- R** *Rhaphithamnus venustus* (Phil.) Rob. 20883, 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116  
**R** 20883 Chile 20883
- I** *Sphenodesme odorata* Fletcher 19120  
**I** 19120 Thailand 19120
- I** *Sphenodesme orbicularis* Fletcher 19120  
**I** 19120 Thailand 19120
- E** *Stachytarpheta subincisa* Turcz. 5607  
**E** 19105 Cuba 5607
- E** *Tectona philippinensis* Benth. & Hook.f. 10278  
**E** 15960 Philippines (Luzon) 20224
- V** *Verbena californica* Moldenke 20850  
**V** 20850 U.S. - California 20850
- E** *Verbena clavata* Ruiz Lopez & Pavon var. *casmensis* Mold. 18200  
**E** 9446 Peru 18200
- E** *Verbena clemensiorum* Moldenke 20850  
**I** 20850 U.S. - California 20850
- V** *Verbena grisea* Robinson & Greenman 11117  
**V** Ecuador - Galapagos (Pinzon) 11117
- R** *Verbena plicata* Moldenke var. *degeneri* Moldenke 20850  
**R** 20850 U.S. - Texas 20850
- Ex/E** *Verbena riparia* Raf. ex Small & Heller 20850  
**I** 20850 U.S. - Louisiana 20850  
**Ex/E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Virginia 20850
- R** *Verbena sedula* Mold. var. *sedula* 11117  
**R** Ecuador - Galapagos (Santa Cruz) 11117
- V** *Vitex acunae* Borh. & Muniz 5607  
**V** 19105 Cuba (Pinar del Rio) 5607
- V** *Vitex clementis* Britton & P. Wilson 5607  
**V** 19105 Cuba (Granma; Santiago de Cuba) 5607
- E** *Vitex evoluta* Däniker 20893  
**E** 20893 New Caledonia 20893
- V** *Vitex floridula* Duchass. & Walp. 20883, 9006  
**I** 20883 Panama 20883
- V** *Vitex keniensis* Turrill 20556, 20057  
**V** Kenya 20057
- V** *Vitex praetervisa* Borh. 5607  
**V** 19105 Cuba (Granma) 5607
- I** *Vitex wimberleyi* Kurz 7771  
**I** India - Andaman Is. (S. Andaman Is.) 7771
- R** *Vitex zanzibarensis* Vatke 20057  
**R** 20057 Kenya (Gongoni; Kinondo) 20057  
**R** 20057 Tanzania 17435
- I** 19352 Colombia 19352
- E** *Gloeospermum ferrugineostictum* A. Robyns 20883, 10747  
**I** 20883 Panama 20883
- E** *Gloeospermum portobelense* A. Robyns 20883, 9006  
**I** 20883 Panama 20883
- I** *Gloeospermum sclerophyllum* Cuatrec. 19352  
**I** 19352 Colombia 19352
- E** *Hybanthus humilis* (Rose & Dowell) Standley 11121  
**E** 19804 Mexico 11121
- E** *Hybanthus jefensis* Todzia 20883  
**I** 20883 Panama 20883
- E** *Hybanthus longipes* (Dowell) Standley 11121  
**E** 19804 Mexico 11121
- I** *Hybanthus ramosissimus* (Thwaites) Melchior 10252  
**I** 16162 Sri Lanka 10252
- I** *Hybanthus travancoricus* (Beddome) Melchior  
**I** India - Kerala  
**I** India - Tamil Nadu
- E** *Hybanthus verticillatus* (Gray) Cory & Parks var. *platyphyllus* (Gray) Cory & Parks 20850  
**E** 20850 U.S. - Texas 20850
- E** *Isodendron hosakae* St. John 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- E** *Isodendron laurifolium* Gray 20850, 14209  
**E** 20850 U.S. - Hawaii (O'ahu) 20850
- V** *Isodendron longifolium* Gray 20850, 14209  
**V** 20850 U.S. - Hawaii (Kauai & O'ahu) 20850
- E** *Isodendron pyrifolium* Gray 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- I** *Leonia occidentalis* Cuatrec. 19352  
**I** 19352 Colombia 19352
- E** *Meliccytus latifolius* (Endl.) P. Green 11649  
**E** 11649 Australia - Norfolk Is. 11649
- V** *Meliccytus novae-zelandiae* (A. Cunn) P. Green ssp. *centurionis* P. Green  
**V** 14225 Australia - NSW - Lord Howe Is. 14225
- R** *Meliccytus ramiflorus* J. & G. Forster ssp. *oblongifolius* (A. Cunn) P. Green 19108  
**R** 19108 Australia - Norfolk Is. 14288
- E** *Rinorea antioquiensis* Smith & Fernández 20883  
**I** 20883 Colombia (Antioquia) 11995
- E** *Rinorea bicornuta* Hekking 20883  
**I** 20883 Brazil 20883  
**?** Brazil - Amazonas 11995
- E** *Rinorea blakeana* Standl. 20883  
**I** 20883 Panama 20883
- E** *Rinorea brachythrix* Blake 20883, 9006  
**I** 20883 Panama (Darién & San Blás) 11995
- R** *Rinorea convallarioides* (Bakh.f.) Eyles var. *marsabitensis* Grey-Wilson 7959  
**R** 20057 Kenya 7959
- E** *Rinorea cordata* Smith & Fernández 20883  
**I** 20883 Colombia (Santander) 11995
- R** *Rinorea crenata* Blake 20883, 9037  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883
- E** *Rinorea deflexa* (Bentham) Blake 20883  
**E** 20883 Ecuador (Esmeralda) 11995

Violaceae

Number of genera: 16  
 Number of species: 800  
 Recorded threatened species: 110 (13%)

Cosmopolitan.

- V** *Allaxis cauliflora* (Oliver) Pierre 6072  
**V** 20858 Tropical Africa (Guinea-wide) 20858  
**V** 20858 Ghana 6072  
**V** 20858 Nigeria 7848
- I** *Anchieta frangulifolia* (Kunth) Melchior 19352

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Violaceae: *Rinorea*

- V** *Rinorea djalonenis* A. Chev. ex Hutch. & Dalz. 7926  
V Guinea 7926
- R** *Rinorea endotricha* Sandwith 20883  
I 20883 Guyana 20883  
R 20883 Venezuela (Bolivar) 11995
- R** *Rinorea haughtii* Smith & Fernández 20883  
I 20883 Colombia (Santander) 11995
- V** *Rinorea hirsuta* Hekking 20883  
I 20883 Panama (Darié) 11995  
I 20883 Colombia (Chocó) 11995
- V** *Rinorea hymenosepala* Blake 20883  
V 20883 Colombia (Antioquia & César) 11995
- E** *Rinorea laurifolia* Smith & Fernández 20883  
I 20883 Colombia (Santander) 11995
- E** *Rinorea longistipulata* Hekking 20883  
I 20883 Brazil 20883  
? Brazil - Acre 11995
- E** *Rinorea marginata* (Triana & Planchon) Rusby ex Johnston 20883  
E 20883 Colombia (Tolima) 11995
- E** *Rinorea maximiliani* (Eichler in Martius) Kuntze 20883  
I 20883 Brazil 20883  
? Brazil - Espirito Santo 11995
- E** *Rinorea oraria* Steyermark & Fernández 20883  
I 20883 Venezuela (Distrito Federal) 11995
- E** *Rinorea pectino-squamata* Hekking 20883  
E 20883 French Guiana (north) 11995
- R** *Rinorea quangtrienensis* Gagnep. 6057  
R Vietnam 6057
- V** *Rinorea ramiziana* Glaziou ex Hekking 20883  
I 20883 Brazil 20883  
? Brazil - Espirito Santo 11995  
? Brazil - Rio de Janeiro 11995
- R** *Rinorea ulmifolia* (Kunth in Humboldt, Bonpland & Kunth) Kuntze 20883  
R 20883 Colombia (Rio Magdalena valley) 11995
- E** *Rinorea uxpanapana* Wendt 20883, 10131  
I 20883 Mexico 20883  
I 21017 Mexico - Veracruz 11995
- E** *Rinorea villosiflora* Hekking 20883  
E 20883 Brazil 20883  
? Brazil - Maranhao 11995
- R** *Viola allariaefolia* Nakai 10572  
R 10572 Japan 10572
- V** *Viola anagae* Gilli 20750  
V 20750 Spain - Canary Is. 20750
- V** *Viola athis* W.Becker 8000, 20171  
V Greece (northern - Athos) 8000
- R** *Viola beckiana* Fiala 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- R** *Viola biflora* L. ssp. *carlottae* Calder & Taylor 20850, 10701  
R 20850 Canada - British Columbia 20850  
I 20850 U.S. - Alaska 20850
- R** *Viola brachyphylla* W. Becker 20171  
R (former) Yugoslavia
- R** *Viola brevistipulata* W. Becker var. *hidakana* Nakai 10572
- R** 10572 Japan 10572
- R** *Viola brittoniana* Pollard var. *pectinata* (Bickn.) Alexander 20850  
I 20850 U.S. - Connecticut 20850  
I 20850 U.S. - Maryland 20850  
E 20850 U.S. - Massachusetts 20850  
I 20850 U.S. - New Jersey 20850  
I 20850 U.S. - New York 20850  
I 20850 U.S. - North Carolina 20850  
I 20850 U.S. - Virginia 20850
- V** *Viola californica* M.S. Baker 20850  
I 20850 U.S. - California 20850
- R** *Viola cazortensis* Gand. 8000, 20171  
R Spain (south-east) 8000
- R** *Viola chamissoniana* Gingins 20850, 14209  
I 14209 U.S. - Hawaii (O'ahu) 20850
- E** *Viola chamissoniana* Gingens ssp. *chamissoniana* 20850  
E 20850 U.S. - Hawaii 20850
- V** *Viola charlestonensis* M.S. Baker & J.C. Clausen ex Clokey 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Nevada 20850  
V 20850 U.S. - Utah 20850
- E** *Viola cheiranthifolia* Humb. & Bonpl. 19174  
E 20750 Spain - Canary Is. 19174
- R** *Viola cilicica* Contandr. ex Quezel 12840  
R 12840 Turkey 12840
- I** *Viola collina* Besser ssp. *porphyrea* (Uechtritz) W. Becker 19616  
I 19616 Poland (south) 19616
- R** *Viola comollia* Massara 18264, 20171  
R 18264 Italy (Lombardy) 18264
- R** *Viola cornuta* ssp. *montcaunica* 15846  
R 15846 Spain 15846
- R** *Viola crassifolia* Fenzl 12840  
R 12840 Turkey 12840
- R** *Viola cretica* Boiss. & Heldr. 20171  
R 20731 Greece - Crete 20731
- Ex** *Viola cryana* Gillet 17781, 20171  
Ex 20528 France (Yonne) 20528
- I** *Viola cuatrecasasii* Smith & Fernandez 19352  
I 19352 Colombia 19352
- I** *Viola dacica* Borbás 8000, 20171  
I 19321 Slovakia 19321
- R** *Viola delphinantha* Boiss. 5204, 20171  
R 5204 Bulgaria (south-west) 5204  
V Greece (northern) 8000
- R** *Viola dichroa* Boiss. & Huet 12840  
R 12840 Turkey 12840
- R** *Viola dubyana* Burnat ex Gremli 20171  
R Italy
- R** *Viola elegantula* Schott 20178, 20171  
R 20178 Albania 20178  
V 21091 Bosnia & Herzegovina 21091  
R (former) Yugoslavia 20178
- R** *Viola eximia* Formánek 20171  
R Greece  
R (former) Yugoslavia
- V** *Viola flettii* Piper 20850  
I 20850 U.S. - Washington 20850

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Violaceae: *Viola*

- E** *Viola guadalupensis* A. Powell & B. Wauer 20850  
**E** 20850 U.S. - Texas 20850
- R** *Viola hederacea* Labill. ssp. *curtisiae*  
 L.G.Adams 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Viola heldreichiana* Boiss. 20171  
**R** Greece
- E** *Viola helenae* Forbes & Lydgate 20850  
**E** 20850 U.S. - Hawaii 20850
- E** *Viola helenae* C. Forbes & Lydgate var. *helenae* 14209  
**E** 14209 U.S. - Hawaii (Kaua'i) 14209
- I** *Viola himalayensis* W. Becker  
**I** India - Jammu & Kashmir
- V** *Viola hispida* Lam. 8000, 20171  
**V** 20528 France (north-west, near Rouen) 8000
- I** *Viola hissarica* Juz. 5942  
**I** 5942 Tajikistan 5942
- R** *Viola improcera* L.G.Adams 20681  
**I** 20681 Australia - Capital Territory 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- I** *Viola incisa* Turcz. 5942  
**I** 5942 Russia (Siberia) - Altai (south) 5942  
**I** 5942 Russia (Siberia) - Irkutsk (L. Baikal) 5942  
**I** 5942 Russia (Siberia) - Krasnoyarsk 5942
- R** *Viola isaurica* Contandr. ex Quezel 12840  
**R** 12840 Turkey 12840
- R** *Viola jaubertiana* Marès & Vigin. 8000, 20171  
**R** 20874 Spain - Balearic Is. (Mallorca) 8000
- R** *Viola jooi* Janka 17823, 20171  
**R** 19949 Romania 19840  
**E** 20655 Ukraine (Carpathian Mts.) 20649
- R** *Viola kauaensis* Gray 20850, 14209  
**I** 20850 U.S. - Hawaii (O'ahu) 20850
- R** *Viola kitamiana* Nakai 10572  
**R** 10572 Japan 10572
- R** *Viola kosaninii* (Degen) Hayek 20178, 20171  
**Ex** 20178 Albania 20178  
**R** (former) Yugoslavia
- I** *Viola kunawarensis* Royle  
**I** India (NW Himalaya)
- E** *Viola lanaiensis* Becker 20850, 14209  
**E** 20850 U.S. - Hawaii (Lana'i) 20850
- V** *Viola lanceolata* L. ssp. *occidentalis* (Gray) Russell 20850  
**V** 20850 U.S. - California 20850  
**V** 20850 U.S. - Oregon 20850
- I** *Viola lutea* Huds. ssp. *sudetica* (Willd.) W. Becker 8000, 20171  
**I** 19321 Slovakia 19321
- V** *Viola maccabeana* M.S. Baker 20850, 10701  
**V** 20850 Canada - British Columbia 20850
- R** *Viola magellensis* Porta & Rigo ex Strobl 18264, 20171  
**R** 18264 Italy (Abruzzi) 18264
- E** *Viola oahuensis* Forbes 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua'i) 20850
- V** *Viola oreades* M.Bieb. 8000, 20171  
**V** 20655 Ukraine - Crimea 8000
- V** *Viola palmensis* Webb & Berthel. 20750  
**V** 20750 Spain - Canary Is. 20750
- V** *Viola paradoxa* Lowe 17891  
**V** Portugal - Madeira 17891
- R** *Viola perinensis* W. Becker 5204, 20171  
**R** 5204 Bulgaria (south-west) 5204  
**R** Greece
- E** *Viola pinetorum* Greene ssp. *grisea* (Jepson) R.J. Little 20850  
**E** 20850 U.S. - California 20850
- Ex/E** *Viola plantaginea* Webb ex Christ 20216  
**Ex/E** 20216 Spain - Canary Is. (Gomera) 20216
- V** *Viola praemorsa* Dougl. ex Lindl. ssp. *flavovirens* (Pollard) Fabjan 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Utah 20850  
**I** 20850 U.S. - Washington 20850  
**I** 20850 U.S. - Wyoming 20850
- R** *Viola praemorsa* Dougl. ex Lindl. ssp. *praemorsa* 20850, 14414  
**V** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Viola sachalinensis* H. Boissieu var. *alpina* Hara 10572  
**R** 10572 Japan 10572
- R** *Viola sandrasea* Melchior 12840  
**R** 12840 Turkey 12840
- R** *Viola speciosa* Pant. 5204, 20171  
**R** 20178 Albania 20178  
**R** 5204 Bulgaria (south-west) 5204  
**R** (former) Yugoslavia
- R** *Viola stojanowii* W.Becker 5204, 20171  
**R** 5204 Bulgaria (south-west) 5204  
**R** Greece
- E** *Viola stolonifera* Rodr. 20171  
**E** Spain - Balearic Is.
- R** *Viola stris-notata* (J. Wagner) Merxm. & Lippert  
**R** Greece
- V** *Viola tomentosa* M.S. Baker & J.C. Clausen 20850  
**V** 20850 U.S. - California 20850
- R** *Viola verecunda* A.Gray var. *yakusimana* (Nakai) Ohwi 10572  
**R** 10572 Japan 10572
- I** *Viola wailenaleae* (Rock) Skottsb. 14209  
**I** U.S. - Hawaii
- R** *Viola yazawana* Makino 10572  
**R** 10572 Japan 10572
- R** *Viola yubariana* Nakai 10572  
**R** 10572 Japan 10572

**Viscaceae**

Number of genera:	7-8
Number of species:	350
Recorded threatened species:	39 (11%)

Cosmopolitan, especially tropical.

- V** *Arceuthobium microcarpum* (Engelm.) Hawksworth &

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Viscaceae: *Arceuthobium*

- Wiens 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**E** *Dendrophthora amoebandra* C. Wright 5607  
**E** 19105 Cuba (Pinar del Rio) 5607  
**R** *Dendrophthora densifrons* (Ule) Kuijt 21271  
**R** 21270 Venezuela 21270  
**E** *Dendrophthora guatemalensis* Standley 9004  
**E** 9815 Guatemala 9004  
**I** *Dendrophthora lanceifolia* Urban 5607  
**I** 19105 Cuba (Santiago de Cuba) 5607  
**V** *Dendrophthora mancinellae* (C. Wright) Eichl. 5607  
**V** 19105 Cuba (Pinar del Rio) 5607  
**E** *Dendrophthora mexicana* Kuijt 9815  
**E** 9815 Mexico 9815  
**E** *Dendrophthora nuda* Proctor 20883, 13336  
**E** 19890 Jamaica (St. Elizabeth) 20883  
**V** *Dendrophthora panamensis* Kuijt 20883, 9816  
**V** 16317 Panama 20883  
**E** *Dendrophthora picotensis* Urban 5607  
**E** 19105 Cuba (Santiago de Cuba) 5607  
**E** *Dendrophthora sessilifolia* (Griseb.) Krug & Urban 5607  
**E** 19105 Cuba (Pinar del Rio) 5607  
**Ex** *Dendrophthora terminalis* Kuijt 9037  
**Ex** 9815 Costa Rica 9037  
**E** *Ginalloa andamanica* Kurz 14782  
**E** 14782 India - Andaman Is. (South) 7771  
**I** *Ginalloa spathulifolia* (Thwaites) Oliver ex Hook.f. 10252  
**I** 16162 Sri Lanka 10252  
**E** *Korthalsella degeneri* Danser 20850, 14209  
**E** 20850 U.S. - Hawaii (O`ahu) 20850  
**R** *Korthalsella mumfordii* F. Brown  
**R** French Polynesia - Marquesas Is  
**E** *Korthalsella opuntia* (Thunb.) Merrill var. *bojeri* (Van Tieghem) Danser 10082  
**E** 14220 Réunion 5852  
**E** 20771 Mauritius 5852  
**Ex** 5852 Mauritius - Rodrigues (Riviere Baleine) 10936  
**I** *Notothixos floccosus* (Thwaites) Oliver 10252  
**I** 16162 Sri Lanka 10252  
**I** *Phoradendron aguilarii* Standley & Steyerl. 9004  
**I** 9815 Guatemala 9004  
**V** *Phoradendron alboginatum* Urb. 20883, 13336  
**V** 13336 Jamaica (St. Catherine) 20883  
**R** *Phoradendron anceps* (Spreng.) Krug & Urb. 13336  
**R** 19890 Dominican Republic 19890  
**R** 19890 Haiti 19890  
**V** 13336 Jamaica (St. Thomas) 13336  
**I** *Phoradendron aurantiacum* Trel. 9004  
**I** 9815 Guatemala 9004  
**E** *Phoradendron campbellii* Krug. & Urb. 20883  
**E** 20883 Jamaica 20883  
**R** *Phoradendron crenulatum* Urb. 20883  
**R** 20883 Jamaica 20883  
**R** *Phoradendron galeottii* Trel. 9661  
**R** 19755 Mexico 9661  
**V** *Phoradendron hawkworthii* (Wiens) Wiens 20850

- I** 20850 U.S. - Texas 20850  
**I** *Phoradendron herminieri* Trel. 10199  
**I** 10199 Dominica 10199  
**I** *Phoradendron hexastichum* (DC.) Griseb. 10199  
**I** 10199 Dominica 10199  
**I** *Phoradendron heydeanum* Trel. 9004  
**I** 9815 Guatemala 9004  
**I** *Phoradendron huehuetecum* Standley & Steyerl. 9004  
**I** 9815 Guatemala 9004  
**I** *Phoradendron lapatanum* Trel. 5607  
**I** 19105 Cuba (Matanzas) 5607  
**I** *Phoradendron libertadanum* Trel. 9004  
**I** 9815 Guatemala 9004  
**I** *Phoradendron rondeletiae* Trel. 9004  
**I** 9815 Guatemala 9004  
**V** *Phoradendron solandrae* Proctor 20883, 13336  
**V** 13336 Jamaica (Clarendon, Manchester) 20883  
**I** *Phoradendron treleaseanum* Standley & Steyerl. 9004  
**I** 9815 Guatemala 9004  
**I** *Phoradendron uspatanum* Trel. 9004  
**I** 9815 Guatemala 9004  
**I** *Phoradendron vulcanicum* Trel. 9004  
**I** 9815 Guatemala 9004  
**E** *Phoradendron woodsonii* Trel. 20883, 9006  
**V** 9815 Panama 20883  
**R** *Viscum congolense* De Wild. & T. Durand var. *chevalieri* Balle  
**R** Côte d'Ivoire  
**I** *Viscum mysoreense* Gamble 14782  
**I** 14782 India - Karnataka 14782

Vitaceae

Number of genera:	11
Number of species:	700
Recorded threatened species:	36 (5%)

Tropical and subtropical; a few in temperate regions.

- I** *Ampelocissus alexandri* Urb. 20883, 13336  
**I** 13336 Jamaica (St. Ann) 20883  
**I** *Ampelocissus arnottiana* Planchon 10178  
**I** India - Karnataka (South Canara)  
**E** India - Kerala (Quilon District) 10178  
**I** India - Tamil Nadu (Tirunelveli)  
**I** *Ampelocissus eriocladus* (Wight & Arn.) Planchon  
**I** India - Tamil Nadu (Tirunelveli Hills)  
**E** *Ampelocissus floccosa* (Ridley) Galet 12921  
**E** Malaysia - Peninsular Malaysia (G. Pulau & Jeram Toi) 12921  
**R** *Cayratia pedata* (Lam.) Juss. ex Gagnepain var. *glabra* Gamble 13883  
**R** 13883 India - Tamil Nadu (Nilgiris) 13883  
**V** *Cayratia roxburghii* (Wight & Arn.) Gagnepain 11494  
**V** 11494 India - Kerala (Trivandrum & Quilon Dist.) 11494  
**V** 11494 India - Tamil Nadu (Tirunelveli District) 11494  
**V** *Cissus corallicola* Urban 5607  
**V** 19105 Cuba (Santiago de Cuba) 5607  
**I** *Cissus dinklagei* Gilg & Brandt var. *pilosa* Descoings

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Vitaceae: *Cissus*

- I Gabon
- R *Cissus gambiana* Descoings 8003  
R Senegal (Kedougou) 8003
- R *Cissus hamaderoensis* A.R. Smith 15534  
R 15534 Yemen - Socotra 15534
- R *Cissus kouandeensis* A. Chev. 7926  
R Benin (Kouande) 7926
- R *Cissus kouilouensis* Desc.  
R Congo 11793
- R *Cissus lanyuensis* (Chang) F.Y. Lu 20511  
R 20511 Taiwan 20511
- E *Cissus neei* Croat 20883, 10123  
I 20883 Panama 20883
- R *Cissus paniculata* (Balf. f.) Planchon 15534  
R 15534 Yemen - Socotra 15534
- R *Cissus prunifera* Descoings  
R Gabon
- V *Cissus rupicola* Urban 5607  
V 19105 Cuba (Pinar del Rio) 5607
- E *Cissus spectabilis* (Kurz) Planchon 14782  
E 14782 India - Sikkim 14782  
E 14782 India - West Bengal 14782
- I *Cissus touraensis* A. Chev. 7926  
I Côte d'Ivoire 7926
- I *Cyphostemma allophyloides* (Gilg & Brandt) Desc. 5926  
I 5926 Tanzania (Usambara mountains) 5926
- R *Cyphostemma amplexum* (Baker) Descoings 7749  
R Mozambique 7749
- I *Cyphostemma braunii* (Gilg & Brandt) Desc. 5926  
I 5926 Tanzania (Usambara mountains) 5926
- E *Cyphostemma burgeri* Vollesen 19704  
E 19704 Ethiopia (Harerge) 19704
- R *Cyphostemma jiguu* Verdc. 20057  
R 20057 Kenya 20057
- I *Cyphostemma laza* Descoings var. *laza* 10368  
I Madagascar
- I *Cyphostemma laza* Descoings var. *parviflora* Descoings 10368  
I Madagascar
- R *Cyphostemma mappia* (Lam.) Descoings 10082  
R 20771 Mauritius 10082
- I *Cyphostemma milleri* Wüld & Drummond 7749  
I Zimbabwe 7749
- I *Cyphostemma njejerre* (Gülg & Strauss) Desc. 5926  
I 5926 Tanzania (Usambara mountains) 5926
- R *Cyphostemma pannosum* Vollesen 19704  
R 19704 Ethiopia (Welega, Ilubabor, Gamo Gofa.) 19704
- I *Cyphostemma ukerewense* (Gilg) Descoings var. *gabonicum* Descoings  
I Gabon
- E *Pterisanthes grandis* Ridley 12544  
E Malaysia - Sabah (Trus Madi) 12544
- E *Pterisanthes pulchra* Ridley 11232  
E Malaysia - Peninsular Malaysia 11232
- R *Tetrastigma alatum* Li 20511  
R 20511 Taiwan 20511

- I *Tetrastigma andamanicum* (King) Susseng. 7771  
I India - Andaman Is. 7771
- R *Tetrastigma touranense* Gagnepain 6057  
R Vietnam 6057
- V *Vitis shuttleworthii* House 20850  
I 20850 U.S. - Florida 20850

**Vochysiaceae**

Number of genera: 7  
Number of species: 200  
Recorded threatened species: 3 (1%)

Mostly tropical America, one species in Africa.

- V *Callisthene hassleri* Briq. 20999, 20883  
E 20883 Paraguay 20883
- I *Vochysia duquei* Pilger 19352  
I 19352 Colombia 19352
- E *Vochysia oppugnata* (Vell.) Warm. 2359  
E 2359 Brazil - Rio de Janeiro 2359

**Winteraceae**

Number of genera: 9  
Number of species: 100  
Recorded threatened species: 11 (11%)

Primarily islands of southwestern Pacific.

- R *Bubbia howeana* (F. Muell.) Tieghem  
R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Drimys brasiliensis* Miers 16336  
E 16336 Argentina 16336  
E 20176 Argentina - Misiones 20176
- V *Tasmannia glaucifolia* J.B. Williams 20681  
V 20681 Australia - Northern Territory 20681
- V *Tasmannia purpurascens* (Vick.) A.C. Smith 20681  
V 20681 Australia - New South Wales 20681
- R *Tasmannia vickeriana* (A.C. Smith) A.C. Smith 20681  
R 20681 Australia - Victoria 20681
- R *Tasmannia xerophila* (P. Parm.) M. Gray ssp. *robusta* Raleigh 20681  
R 20681 Australia - Victoria 20681
- V *Zygogynum cristatum* Vink 20893  
V 20893 New Caledonia 20893
- E *Zygogynum oligostigma* Vink 20893  
V 20893 New Caledonia 20893
- R *Zygogynum queenslandianum* (Vink) Vink ssp. *australe* (Vink) Vink 20681  
R 20681 Australia - Queensland 20681
- R *Zygogynum queenslandianum* (Vink) Vink ssp. *queenslandianum* 20681  
R 20681 Australia - Queensland 20681
- R *Zygogynum semecarpoides* (F. Muell.) Vink var. *whiteanum* (A.C. Smith) Vink 20681  
R 20681 Australia - Queensland 20681
- V *Zygogynum tanyostigma* Vink 20893  
V 20893 New Caledonia 20893

The 1997 IUCN Red List of Threatened Plants

Magnoliopsida (dicots): Zygophyllaceae: *Bulnesia*

Zygophyllaceae

Number of genera: 30  
 Number of species: 250  
 Recorded threatened species: 13 (5%)

Mostly arid tropical and subtropical, sometimes in saline habitats.

- R** *Bulnesia arborea* Engl. 20883, 13928  
 I 20883 Colombia 20883  
 I 20883 Venezuela 20883
- R** *Fagonia kassasii* Hadidi  
 R Egypt
- R** *Fagonia malvana* Maire & Weiller  
 R Morocco
- Ex** *Fagonia taeckholmiana* Hadidi 16168  
 Ex 16168 Egypt (Heliopolis desert, nr Cairo) 16168
- R** *Fagonia thebaica* Boiss.  
 R Egypt  
 R Libya
- I** *Guaiaecum coulteri* Gray 9019  
 I 19848 Mexico 19848  
 V 16360 Mexico - Jalisco 9019
- E** *Kallstroemia perennans* B.L. Turner 20850  
 E 20850 U.S. - Texas 20850
- E** *Metharme lanata* Philippi 15088  
 E 13875 Chile 13875
- R** *Pintoa chilensis* Gay 13875  
 R 13875 Chile 13875
- V** *Portieria chilensis* I.M. Johnston 15088  
 V 13875 Chile 13875
- R** *Tetraena mongolica* Maxim. 17617  
 R 17617 China - Nei Monggol Zizhiqu 11139
- R** *Zygophyllum darvasicum* A. Boriss.  
 R former USSR 6930
- R** *Zygophyllum hybridum* Tate 20681  
 R 20681 Australia - South Australia 20681
- R** *Zygophyllum kaschgaricum* A. Boriss.  
 R former USSR 6930
- R** *Zygophyllum teretifolium* Schltr. 20604  
 R 20604 South Africa - Cape Province 20604

Liliopsida (monocots)

Agavaceae

Number of genera: 18  
 Number of species: 350-410  
 Recorded threatened species: 68 (17%)

Warm, mostly arid regions of New and Old Worlds; a few in distinctly temperate climates.

- E** *Agave acicularis* Trel. 11840  
 E 19105 Cuba (Cienfuegos) 11840
- I** *Agave acklinicola* Trel.  
 I 4650 Bahamas 19889
- R** *Agave angustifolia* Haw. var. *nivea* (Trel.) Gentry 19889  
 R 19753 Guatemala 19889
- E** *Agave arizonica* Gentry & J.H. Weber 20850, 11055  
 E 20850 U.S. - Arizona (Tonto National Forest) 20850

- V** *Agave bracteosa* Watson 19848  
 V 19848 Mexico - Nuevo Leon 19889
- I** *Agave cacozela* Trel.  
 I 4650 Bahamas 19889
- V** *Agave chrysantha* Peebles 20850  
 I 20850 U.S. - Arizona 20850
- R** *Agave congesta* H.S. Gentry 19788  
 R 19850 Mexico - Chiapas 19788
- V** *Agave dasylirioides* Jacobi & Bouche 19850  
 V 19850 Mexico - Morelos 19889
- V** *Agave eggersiana* Trel. 20883, 15106  
 I 20883 USA - Virgin Is. (St Croix, St Thomas) 20883
- V** *Agave glomeruliflora* (Engelm.) Berger 20883, 20850, 19889  
 V 20850 U.S. - Texas 20850  
 E 20883 Mexico 20883  
 ? Mexico - Coahuila 19889
- E** *Agave grisea* Trel. 11840  
 E 19105 Cuba (Cienfuegos) 11840
- V** *Agave guinegola* H.S. Gentry 9079  
 V 19848 Mexico - Oaxaca 19889
- R** *Agave harrisii* Trelease 20883  
 R 20883 Jamaica 20883
- V** *Agave impressa* H.S. Gentry 19850  
 V 19848 Mexico - Sinaloa 19889
- I** *Agave indagatorum* Trel.  
 I 4650 Bahamas 19889
- E** *Agave intermixta* Trel. 5642  
 E Dominican Republic (Santiago) 19889
- R** *Agave kewensis* Jacobi 19788  
 R 19850 Mexico - Chiapas 19788
- R** *Agave lagunae* Trel. 9004  
 R 19753 Guatemala 9004
- R** *Agave longipes* Trelease 20883, 13336  
 R 13336 Jamaica 20883
- E** *Agave lurida* Ait. 19850  
 E 19848 Mexico - Oaxaca 19889
- I** *Agave millsbaughii* Trel.  
 I 4650 Bahamas 19889
- V** *Agave murpheyi* F. Gibson 20883, 20850, 19889  
 V 20850 U.S. - Arizona 20850  
 E 20883 Mexico 20883
- I** *Agave nashii* Trel.  
 I 4650 Bahamas 19889
- V** *Agave neglecta* Small 20850, 19889  
 I 20850 U.S. - Florida 20850
- E** *Agave nizandensis* Cutak 19850  
 E 19848 Mexico - Oaxaca 19889
- E** *Agave papyrocarpa* Trel. 11840  
 E 19105 Cuba (Isla de la Juventud) 11840
- R** *Agave parrasana* Berger 19889  
 R 19848 Mexico - Coahuila 19889
- R** *Agave parviflora* Torr. 20883, 20850  
 V 20850 U.S. - Arizona 20850  
 I 20883 Mexico 20883
- V** *Agave parviflora* Torr. ssp. *flexiflora* H.S. Gentry 19889  
 V 19850 Mexico - Sonora 19889



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Agavaceae: *Agave*

- R** *Agave peacockii* Croucher 19850  
**R** 19848 Mexico - Puebla (Tehuacán) 19889
- E** *Agave schottii* Engelm. var. *treleasei* (Toumey) Kearney & Peebles 20850, 19889  
**E** 20850 U.S. - Arizona 20850
- R** *Agave shawii* Engelm. 20850  
**E** 20850 U.S. - California 20850
- R** *Agave tecta* Trel. 9004  
**R** 19753 Guatemala 9004
- R** *Agave thomasa* Trel. 9004  
**R** 19753 Guatemala 9004
- R** *Agave titanota* H.S. Gentry 19850  
**R** 19850 Mexico - Oaxaca 19889
- R** *Agave utahensis* Engelm. 20850  
**R** 20850 U.S. - Arizona 20850  
**V** 20850 U.S. - California 20850  
**R** 20850 U.S. - Nevada 20850  
**V** 20850 U.S. - Utah 20850
- V** *Agave utahensis* Engelm. var. *eborispina* (Hester) Breitung 20850  
**V** 20850 U.S. - California 20850  
**V** 20850 U.S. - Nevada 20850
- R** *Agave utahensis* Engelm. var. *nevadensis* Engelm. ex Greenman & Roush 20850  
**R** 20850 U.S. - California 20850  
**R** 20850 U.S. - Nevada 20850
- E** *Agave victoriae-reginae* T. Moore 9019  
**E** 19848 Mexico - Coahuila 19889  
**E** 19848 Mexico - Nuevo Leon 19889
- R** *Agave vizcainoensis* H.S. Gentry 19889  
**R** 19848 Mexico - Baja California Sur 19889
- E** *Agave wercklei* Weber ex Werckle 19788  
**E** 9426 Costa Rica 9037
- R** *Beschorneria albiflora* Matuda 9054  
**R** 19850 Mexico 9054
- R** *Beschorneria calcicola* A. Garcia-Mendoza 19850  
**R** 19850 Mexico 19850
- R** *Beschorneria wrightii* Hook. f. 19850  
**R** 19850 Mexico 19850
- R** *Cordylina congesta* (Sweet) Steudel 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Cordylina obtecta* Baker 19108  
**R** 19108 Australia - Norfolk Is. 14288
- V** *Furcraea bedinghausii* K. Koch 9055  
**V** 19850 Mexico 9055
- I** *Furcraea macdougallii* Matuda 19850  
**I** 19850 Mexico 19850
- R** *Furcraea stratiotes* Boye Petersen 19788  
**R** 16826 Nicaragua 19788
- R** *Hesperaloe f.-nifera* (K. Koch) Trel. 20850  
**E** 20850 U.S. - Texas 20850
- R** *Manfreda guerrensis* Matuda 19850  
**R** 19850 Mexico 19850
- V** *Manfreda longiflora* (Rose) Verhoek-Williams 20850  
**V** 20850 U.S. - Texas 20850  
**V** 19850 Mexico 19850
- V** *Manfreda nanchititlensis* Matuda 9054  
**V** 19850 Mexico 9054
- R** *Manfreda planifolia* (Watson) Rose 19850  
**R** 19850 Mexico 19850
- R** *Manfreda potosina* (Rob. & Greenman) Rose 19850  
**R** 19850 Mexico 19850
- R** *Polianthes densiflora* (B.L. Robinson & Fern.) Shiners 19850  
**R** 19850 Mexico 19850
- R** *Polianthes howardii* S. Verhoek 19850  
**R** 19850 Mexico 19850
- R** *Polianthes longiflora* Rose 19850  
**R** 19850 Mexico 19850
- R** *Polianthes palustris* Rose 19850  
**R** 19850 Mexico 19850
- R** *Polianthes platyphylla* Rose 19850  
**R** 19850 Mexico 19850
- E** *Yucca angustissima* (Welsh) Reveal var. *toftiae* (Welsh) Reveal 20850  
**E** 20850 U.S. - Utah 20850
- R** *Yucca endlichiana* Trel. 9055  
**R** 19850 Mexico 9055
- R** *Yucca grandiflora* Gentry 19850  
**R** 19850 Mexico 19850
- V** *Yucca jaliscensis* Trel. 9055  
**V** 21204 Mexico - Jalisco 21204  
**V** 21204 Mexico - Nayarit 21204
- V** *Yucca lacandonica* Gómez Pompa & Valdes 9057  
**V** 9425 Mexico 9057
- R** *Yucca madrensis* H. Gentry 9055  
**R** 21222 Mexico - Sonora 21222
- E** *Yucca necopina* Shinnars 20850  
**E** 20850 U.S. - Texas 20850
- R** *Yucca pallida* McKelvey 20850  
**R** 20850 U.S. - Texas 20850
- R** *Yucca reverchonii* Trel. 20850  
**R** 20850 U.S. - Texas 20850
- E** *Yucca tenuistyla* Trel. 20850  
**E** 20850 U.S. - Texas 20850

**Alismataceae**

Number of genera:	12
Number of species:	75
Recorded threatened species:	10 (13%)

Cosmopolitan, especially Northern Hemisphere.

- R** *Alisma wahlenbergii* (Holmb.) Juz. 5942, 20171  
**R** 20673 Finland (Oulu) 8000  
**E** 20083 Sweden 8000  
**E** 11552 Russia (E. Europe) - Northwest 20627
- R** *Echinodorus eglandulosus* Holm-Nielsen & R. Haynes 11244  
**R** 11351 Ecuador 11244
- R** *Echinodorus parvulus* Engelm. 20883, 19002  
**I** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Connecticut 20850  
**Ex/E** 20850 U.S. - Delaware 20850  
**I** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Illinois 20850  
**E** 20850 U.S. - Indiana 20850  
**E** 20850 U.S. - Kansas 20850  
**E** 20850 U.S. - Kentucky 20850  
**Ex/E** 20850 U.S. - Louisiana 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Alismataceae: *Echinodoros*

- Ex 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - Michigan 20850  
 E 20850 U.S. - Mississippi 20850  
 E 20850 U.S. - Missouri 20850  
 Ex 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 E 20850 U.S. - North Carolina 20850  
 J 20850 U.S. - Oklahoma 20850  
 V 20850 U.S. - South Carolina 20850  
 R 20850 U.S. - Texas 20850  
 I 20883 Puerto Rico 20883  
 I 20883 USA - Virgin Is. 20883
- V *Sagittaria ambigua* J.G. Sm. 20850  
 E 20850 U.S. - Arkansas 20850  
 E 20850 U.S. - Kansas 20850  
 E 20850 U.S. - Missouri 20850  
 I 20850 U.S. - Oklahoma 20850
- E *Sagittaria fasciculata* E.O. Beal 20850  
 E 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - South Carolina 20850
- R *Sagittaria graminea* Michx. var. *chapmanii* J.G. Sm. 20850  
 I 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Louisiana 20850  
 I 20850 U.S. - Mississippi 20850  
 E 20850 U.S. - North Carolina 20850
- V *Sagittaria sanfordii* Greene 20850  
 V 20850 U.S. - California 20850
- E *Sagittaria secundifolia* Kral 20850  
 E 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Georgia 20850
- R *Sagittaria teres* S.Watson 20850  
 Ex/E 20850 U.S. - Delaware 20850  
 I 20850 U.S. - Georgia 20850  
 Ex/E 20850 U.S. - Maryland 20850  
 R 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New Jersey 20850  
 E 20850 U.S. - New York 20850  
 E 20850 U.S. - Rhode Is. 20850  
 I 20850 U.S. - South Carolina 20850
- R *Wiesneria triandra* (Dalz.) Mich. 14782  
 R 14782 India - Goa, Daman & Diu 14782  
 I India - Karnataka (Concan) 4988  
 E India - Kerala (nr Parappanangadi; Kottur) 5727  
 R 14782 India - Maharashtra (Sindhudurg district) 14782

Alliaceae

Number of genera:	31
Number of species:	832
Recorded threatened species:	164 (19%)

Widespread.

- R *Agapanthus walshii* L.Bolus 20604  
 R 20604 South Africa - Cape Province 20604
- R *Allium aaseae* Ownbey 20850  
 R 20850 U.S. - Idaho 20850
- V *Allium aethusanum* Garbari 18264  
 V 18264 Italy - Sicily 20738
- R *Allium alpinarii* Ozhatay & Kollmann 12840  
 R 12840 Turkey 12840
- R *Allium atrorubens* S.Watson 20850  
 I 20850 U.S. - Arizona 20850  
 V 20850 U.S. - California 20850

- I 20850 U.S. - Nevada 20850  
 V 20850 U.S. - Utah 20850
- E *Allium auriculatum* Kunth  
 E India - Himachal Pradesh  
 E India - Jammu & Kashmir
- I *Allium autumnale* P.H. Davis 14230  
 I 19164 Cyprus 14230
- R *Allium balansae* Boiss. 12840  
 R 12840 Turkey 12840
- V *Allium baytopiorum* Kollmann & Ozhatay 12840  
 V 19873 Turkey 12840
- R *Allium brevicaule* Boiss. & Bal. 12840  
 R 12840 Turkey 12840
- R *Allium burlewii* A. Davids. 20850  
 R 20850 U.S. - California 20850
- R *Allium canadense* L. var. *ecristatum* (M.E. Jones) Ownbey 20850  
 R 20850 U.S. - Texas 20850
- R *Allium chrysonemum* Stearn 20171  
 R 11496 Spain (Jaen, Cordoba, & Granada) 11496
- R *Allium circinnatum* Sieber 20171  
 R 20730 Greece - Crete 19121
- R *Allium columbianum* (Ownbey & Mingrone) P. Peterson, Anna Rieseberg 20850  
 I 20850 U.S. - Idaho 20850  
 E 20850 U.S. - Montana 20850  
 I 20850 U.S. - Washington 20850
- V *Allium constrictum* (Ownbey & Mingrone) P. Peterson, Annable Rieseberg 20850  
 V 20850 U.S. - Washington 20850
- E *Allium crameri* Asch. & Boiss.  
 E Egypt
- I *Allium czelghauricum* Bordz. 12840  
 I 19873 Turkey 12840
- R *Allium decidum* Ozhatay & Kollmann 12840  
 R 12840 Turkey 12840
- E *Allium dictuon* St. John 20850  
 E 20850 U.S. - Washington 20850
- R *Allium dilatatum* Zahar. 20171  
 R 20730 Greece - Crete 19121
- R *Allium djimilense* Boiss. & Regel 12840  
 R 12840 Turkey 12840
- R *Allium eldivanense* Ozhatay 12840  
 R 12840 Turkey 12840
- V *Allium elmendorffii* M.E. Jones ex Ownbey 20850  
 V 20850 U.S. - Texas 20850
- I *Allium eugenii* Vved. 5942  
 I 5942 Turkmenistan 5942
- V *Allium fimbriatum* S.Wats. var. *sharsmithiae* Ownbey & Aase 20850  
 V 20850 U.S. - California 20850
- R *Allium flavum* L. var. *pilosum* Kollmann & Koyuncu 12840  
 R 12840 Turkey 12840
- R *Allium frigidum* Boiss. & Heldr. 20171  
 R Greece
- R *Allium gayi* Boiss. 12840  
 R 12840 Turkey 12840
- R *Allium glumaceum* Boiss. & Hausskn. 12840

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Alliaceae: *Allium*

- R 12840 Turkey 12840
- R *Allium gooddingii* Ownbey 20850  
R 20850 U.S. - Arizona 20850  
V 20850 U.S. - New Mexico 20850
- I *Allium gorumsense* Boiss. 12840  
I 19873 Turkey 12840
- V *Allium grande* Lipsky 5942  
V 11552 Russia - North Caucasus (near coast) 5942
- R *Allium grosii* Font Quer 8000, 20171  
R 20821 Spain - Balearic Is. (Ibiza) 8000
- R *Allium heldreichii* Boiss. 20171  
R Greece
- V *Allium hickmanii* Eastw. 20850  
V 20850 U.S. - California 20850
- R *Allium hoffmanii* Ownbey ex Traub 20850  
I 20850 U.S. - California 20850
- R *Allium howellii* Eastw. 20850  
I 20850 U.S. - California 20850
- R *Allium ilgazense* Ozhatay 12840  
R 12840 Turkey 12840
- I *Allium incisum* Fomin 12840  
I 19873 Turkey 12840
- R *Allium insubricum* Boiss. & Reuter 18264, 20171  
R 18264 Italy (Lombardy) 18264
- R *Allium isauricum* Huber-Mor. & Wendelbo 12840  
R 12840 Turkey 12840
- E *Allium jepsonii* (Ownbey & Aase ex Traub) S. Denison & McNeal 20850  
E 20850 U.S. - California 20850
- V *Allium jubatum* MacBride 19426  
V 19426 Bulgaria 19426
- V *Allium junceum* Sm. ssp. *tridentatum* Kollmann, Ozhatay & Koyuncu 12840  
V 12840 Turkey 12840
- E *Allium karamanglui* Koyuncu & Kollmann 12840  
E 12840 Turkey 12840
- R *Allium kastambulense* Kollmann 12840  
R 12840 Turkey 12840
- I *Allium koenigianum* Grossh. 12840  
I 19873 Turkey 12840
- I *Allium kurtzianum* (Acherson & Sint.) ex Kollmann 12840  
I 19873 Turkey 12840
- R *Allium lacunosum* S.Watson var. *davisiae* (M.E. Jones) McNeal & Ownbey 20850  
I 20850 U.S. - California 20850
- R *Allium lojaconoi* Brullo, Lanfranco & Pavone 13351  
R Malta 13351
- R *Allium longanum* Pamp. 8000, 20171  
R Greece (Cyclades) 20731  
V Egypt 8000  
V Libya
- R *Allium lopadosanum* Bartolo, Brullo & Pavone 18264  
R 18264 Italy - Sicily 18264
- E *Allium loratum* Baker  
E India - Jammu & Kashmir
- R *Allium luteolum* Halácsy 20171  
R 20731 Greece (Cyclades) 20731
- R *Allium macedonicum* Zahar. 20171  
R 20731 Greece (north-east) 20731
- R *Allium macrochaetum* Boiss. & Hausskn. ssp. *tuncelianum* Kollmann 12840  
R 12840 Turkey 12840
- R *Allium madidum* S.Watson 20850  
R 20850 U.S. - Idaho 20850  
R 20850 U.S. - Oregon 20850
- R *Allium mareoticum* Bornm. & Gauba  
R Egypt
- R *Allium mariae* Bordz.  
R former USSR 6930
- R *Allium melananthum* Coincy 20171  
R 11496 Spain (Alicante & Murcia) 11496
- Ex/E *Allium microbulbum* Prokh. 5942  
Ex/E 5942 Russia (Siberia) - Chita 5942
- V *Allium microspathum* Ekberg0 12840  
V 19873 Turkey 12840
- R *Allium monticola* A. Davids. 20850  
I 20850 U.S. - California 20850
- R *Allium monticola* A.Davids. var. *keckii* (Munz) Ownbey & Aase 20850  
I 20850 U.S. - California 20850
- E *Allium munzii* (Ownbey & Aase ex Traub) McNeal 20850  
E 20850 U.S. - California 20850
- R *Allium narcissiflorum* Vill. 18264, 20171  
R 18264 Italy (Piedmont, Liguria) 18264
- V *Allium nemrutaghense* Kit Tan & Sorger 12840  
V 19873 Turkey 12840
- R *Allium obtusiflorum* DC. 8000, 20171  
R 20738 Italy - Sicily (north-west & south-west) 8000
- V *Allium oltense* Grossh. 12840  
V 19873 Turkey 12840
- R *Allium oxyphilum* Wherry 20850  
R 20850 U.S. - West Virginia 20850
- R *Allium parishii* S.Watson 20850  
E 20850 U.S. - Arizona 20850  
I 20850 U.S. - California 20850
- R *Allium parmassicum* (Boiss.) Halácsy 20171  
R 20731 Greece (Sterea Ellas, Southern Pindos) 20731
- E *Allium passeyi* N. & A. Holmgren 20850  
E 20850 U.S. - Utah 20850
- Ex/E *Allium paulii* Vved. 5942  
Ex/E 5942 Tajikistan 5942
- V *Allium peninsulare* Lemmon ex Greene var. *franciscanum* McNeal & Owenbey 20850  
V 20850 U.S. - California 20850
- R *Allium peroninianum* Aznav. 12840  
R 12840 Turkey 12840
- R *Allium perversitum* Klokov 20171  
R former European USSR
- R *Allium phaneranthum* Boiss. & Hausskn. ssp. *deciduum* Kollmann & Koyuncu 12840  
R 12840 Turkey 12840
- R *Allium phrygium* Boiss. 12840  
R 19873 Turkey 12840
- R *Allium pilosum* Sibth. & Smith 20171

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Alliaceae: *Allium*

- R 20731 Greece (Cyclades) 20731
- R *Allium pleianthum* S.Watson 20850  
R 20850 U.S. - Oregon 20850
- R *Allium proponticum* Stearn & Özhatay 12840, 20171  
R 19873 Turkey 12840
- I *Allium pskemense* B. Fedtsch. 5942  
I 5942 Kazakhstan (border with Kyrgyzstan) 5942  
I 5942 Kyrgyzstan (border with Kazakhstan) 5942
- R *Allium pumilum* Vved. 11552  
R 11552 Russian Federation (Siberia) 20627
- V *Allium punctum* Henderson 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Oregon 20850
- R *Allium pyrenaicum* Costa & Vayr. 20171  
R 11496 Spain (Pyrenees) 11496
- R *Allium regelianum* A.K.Becker 5942, 20171  
E 11552 Russia (E.Europe) - South 11552  
R 20655 Ukraine (south) 20649
- R *Allium regnieri* Maire  
R Morocco
- I *Allium rhetoreanum* Nab. 12840  
I 19873 Turkey 12840
- R *Allium robertianum* Kollmann 12840  
R 12840 Turkey 12840
- R *Allium robinsonii* Henderson 20850  
Ex 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- E *Allium rouyi* Gaut. 20171  
E 20660 Spain 11496
- E *Allium roylei* Stearn  
E India - Jammu & Kashmir
- R *Allium sanbornii* Wood 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Allium sanbornii* Wood var. *congdonii*  
Jepson 20850  
R 20850 U.S. - California 20850
- R *Allium sanbornii* Wood var. *sanbornii* 20850  
R 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850
- R *Allium sandrasicum* Kollmann, Ozhatay & Bothmer 12840  
R 12840 Turkey 12840
- R *Allium scabriflorum* Boiss. 12840  
R 19873 Turkey 12840
- V *Allium schoenoprasum* L. var. *idzuense* (Hara)  
Hara 11164  
V 11164 Japan 11164
- R *Allium schoenoprasum* L. var. *shibutuense*  
Kitam. 11164  
R 11164 Japan 11164
- R *Allium schoenoprasum* L. var. *yezomonticola*  
Hara 11164  
R 11164 Japan 11164
- V *Allium scilloides* Douglas ex S.Watson 20850  
? 20850 U.S. - Washington 20850
- E *Allium seirotrichum* Duccell. & Maire 10487  
E 14958 Algeria 10487
- EX/E *Allium sergii* Vved. 5942  
EX/E 5942 Kazakhstan (Tien Shan) 5942
- R *Allium serra* McNeal & Ownbey 20850  
I 20850 U.S. - California 20850
- V *Allium shatakiense* Rech. f. 12840  
V 19873 Turkey 12840
- E *Allium shevockii* McNeal 20850  
E 20850 U.S. - California 20850
- I *Allium sieheanum* (Hausskn. ex) Kollmann 12840  
I 19873 Turkey 12840
- R *Allium sinaiticum* Boiss.  
R Egypt
- V *Allium sintenisii* Freyn 12840  
V 19873 Turkey 12840
- R *Allium sivasicum* Ozhatay & Kollmann 12840  
R 19873 Turkey 12840
- V *Allium sosnowskyanum* Miscz. 12840  
V 19873 Turkey 12840
- V *Allium speculae* Ownbey & Aase 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Georgia 20850
- R *Allium stearnianum* Koyuncu, Ozhatay & Kollmann 12840  
R 19873 Turkey 12840
- I *Allium stenopetalum* Boiss. & Kotschy 12840  
I 19873 Turkey 12840
- V *Allium stipitatum* Regel  
V former USSR 6930
- R *Allium stojanovii* Kov. 5204, 20171  
R 5204 Bulgaria (east) 5204
- V *Allium stracheyi* Baker 14782  
V 14782 India - Jammu & Kashmir 14782  
V 14782 India - Uttar Pradesh 14782
- R *Allium stylosum* O. Schwarz 12840  
R 19873 Turkey 12840
- R *Allium tauricola* Boiss. 12840  
R 19873 Turkey 12840
- R *Allium tchihatschewii* Boiss. 12840  
R 12840 Turkey 12840
- V *Allium togashii* Hara 11164  
V 11164 Japan 11164
- R *Allium tolmiei* (Hook.) Baker ex S.Watson var. *persimile* Ownbey 20850  
R 20850 U.S. - Idaho 20850
- R *Allium tolmiei* (Hook.) Baker ex S.Watson var. *platyphyllum* (Tidestrom) Ownbey 20850  
R 20850 U.S. - Idaho 20850  
R 20850 U.S. - Oregon 20850
- R *Allium transvestiens* Vved.  
R former USSR 6930
- I *Allium trautvetteranum* Regel 5942  
I 5942 Tajikistan 5942
- V *Allium tribracteatum* Torr. 20850  
V 20850 U.S. - California 20850
- E *Allium trichocnemis* Gay 10487  
E 14958 Algeria 10487
- V *Allium tuolumnense* (Ownbey & Aase ex Traub) S. Denison & McNeal 20850  
V 20850 U.S. - California 20850
- R *Allium valdecallosum* Maire & M. Weiller  
R Morocco
- V *Allium virguncule* F. Maek. & Kitam. var. *kiiense*

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Alliaceae: *Allium*

- Murata 11164  
**V** 11164 Japan 11164  
**V** *Allium virguncule* F. Maekawa & Kitamura var. *virguncule* 11164  
**V** 11164 Japan 11164  
**V** *Allium vuralii* Kit Tan 12840  
**V** 12840 Turkey 12840  
**R** *Allium wiedemannianum* Regel 12840  
**R** 12840 Turkey 12840  
**I** *Allium willeanum* Holmboe 14230  
**I** 19164 Cyprus 14230  
**V** *Allium yosemitense* Eastw. 20850  
**V** 20850 U.S. - California 20850  
**R** *Ancrumia cuspidata* Harvey ex Baker 11748  
**R** 19534 Chile 11748  
**E** *Bloomeria humilis* Hoover 20850  
**E** 20850 U.S. - California 20850  
**R** *Brodiaea californica* Lindl. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**E** *Brodiaea coronaria* (Salisb.)Engl. ssp. *rosea* (Greene) Niehaus 20850  
**E** 20850 U.S. - California 20850  
**V** *Brodiaea filifolia* S.Watson 20850  
**V** 20850 U.S. - California 20850  
**V** *Brodiaea insignis* (Jepson) Niehaus 20850  
**V** 20850 U.S. - California 20850  
**V** *Brodiaea kinkiensis* Niehaus 20850  
**V** 20850 U.S. - California 20850  
**V** *Brodiaea leptandra* (Greene) Baker 20850  
**I** 20850 U.S. - California 20850  
**V** *Brodiaea orcuttii* (Greene) Baker 20883, 20850, 8058  
**V** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883  
**E** *Brodiaea pallida* Hoover 20850  
**E** 20850 U.S. - California 20850  
**R** *Brodiaea stellaris* S.Watson 20850  
**I** 20850 U.S. - California 20850  
**R** *Caloscordum inutile* (Makino) Okuy. & Kitagawa 11164  
**R** 11164 Japan 11164  
**R** *Dichelostemma lacuna-vernalis* Lenz 20850  
**I** 20850 U.S. - California 20850  
**V** *Dichelostemma venustum* (Greene) Hoover 20850  
**I** 20850 U.S. - California 20850  
**R** *Erinna gilliesioides* Philippi 11748  
**R** 19534 Chile 11748  
**R** *Gethyum antropurpureum* Philippi 11748  
**R** 19534 Chile 11748  
**E** *Gilliesia monophylla* Reiche 19534  
**E** 19534 Chile 19534  
**R** *Gilliesia montana* Poeppig & Endl. 19534  
**R** 19534 Chile 19534  
**Ex** *Ipheion tweedianum* (Griseb.) Traub 16336  
**Ex** 16336 Argentina 16336  
**Ex** 20137 Argentina - Buenos Aires 20137  
**Ex** 20176 Argentina - Entre Rios 20176  
**V** *Leucocoryne purpurea* Gay 5598  
**V** 19534 Chile 5598  
**V** *Muilla clevelandii* (S.Watson) Hoover 20883, 20850,

- 8058  
**V** 20850 U.S. - California 20850  
**I** 20883 Mexico 20883  
**?** 5942 Mexico - Baja California Peninsula 8058  
**I** *Nectaroscordum dioscoridis* (Sibth. & Sm.) Zahar. 5942, 20171  
**I** 5942 Azerbaijan 5942  
**I** 5942 Ukraine 5942  
**R** *Nectaroscordum meliophyllum* (Juz.) Stank.  
**R** former European USSR  
**I** *Nectaroscordum tripedale* (Trautv.) Grossh. 11552  
**I** 5942 Russia - North Caucasus 5942  
**V** 11552 Armenia 11552  
**V** 11552 Azerbaijan 11552  
**E** *Petronymphe decora* H.E. Moore 19850  
**E** 19848 Mexico 19850  
**R** *Speea humilis* (Philippi) Loes. 6164  
**R** 19534 Chile 6164  
**R** *Steinmannia graminifolia* (Philippi f. ex Philippi) Loese 19534  
**R** 19536 Chile 19534  
**E** *Triteleia clementina* Hoover 20850  
**E** 20850 U.S. - California 20850  
**V** *Triteleia crocea* (Wood) Greene var. *modesta* (Hall) Hoover 20850  
**V** 20850 U.S. - California 20850  
**V** *Triteleia dudleyi* Hoover 20850  
**I** 20850 U.S. - California 20850  
**V** *Triteleia hendersonii* (M.E. Peck) Hoover var. *leachiae* (M.E. Peck) Hoover 20850  
**V** 20850 U.S. - Oregon 20850  
**R** *Triteleia lemmoniae* (S.Watson) Greene 20850  
**R** 20850 U.S. - Arizona 20850  
**V** *Triteleia lugens* Greene 20850  
**I** 20850 U.S. - California 20850  
**R** *Triteleia peduncularis* Lindl. 20850  
**I** 20850 U.S. - California 20850  
**Ex/E** *Triteleia versicolor* Hoover 20850  
**I** 20850 U.S. - California 20850

**Aloaceae**

Number of genera: 5  
 Number of species: 700  
 Recorded threatened species: 206 (29%)

Arabia, Africa, Madagascar.

- R** *Aloe acutissima* H. Perrier var. *antanimorensis* G. Reyn. 10368  
**R** 20578 Madagascar (Toliara) 20578  
**E** *Aloe albiflora* Guillaumin 10368  
**E** 20578 Madagascar (Toliara) 20578  
**V** *Aloe albovestita* S. Carter & Brandham  
**V** Somalia  
**R** *Aloe ambigens* Chiov. 17668  
**R** 17668 Somalia 17668  
**V** *Aloe amudatensis* G. Reyn. 20264  
**V** Kenya  
**V** 19007 Uganda 19007  
**R** *Aloe andringitrensis* H. Perrier 10368  
**R** 20578 Madagascar (Fianarantsoa) 20578  
**V** *Aloe archeri* Lavranos 20264

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Aloaceae: *Aloe*

- V Kenya 20264
- R II *Aloe arenicola* Reynolds 20604, 18295  
R 18295 Namibia 18295  
V 20604 South Africa - Cape Province 20604
- R II *Aloe asperifolia* A. Berger 18295  
R 18295 Namibia 18295
- I II *Aloe babatiensis* Christian & Verdoorn 20264  
I 5926 Tanzania 20264
- R I *Aloe bakeri* Scott Elliot 10368  
R 20578 Madagascar (Toliara) 20578
- E II *Aloe ballii* 20932  
E 20932 Mozambique (Zimbabwe border) 20932  
E 20932 Zimbabwe (Rusitu Valley) 20932
- I II *Aloe ballyi* G. Reyn. 20057  
I 20057 Kenya 20057  
E 20057 Tanzania 17435
- V II *Aloe bargalensis* Lavranos  
V Somalia
- V II *Aloe bella* G. Rowley  
V Somalia
- E I *Aloe bellatula* G. Reynolds 10368  
E 20578 Madagascar (Fianarantsoa) 20578
- R II *Aloe betsiliensis* H. Perrier 20578  
R 18295 Madagascar (Toliara) 20578
- I II *Aloe boscawenii* Christian 20264  
I 5926 Tanzania (Tanga) 20264
- E II *Aloe bowiea* Schult. & Schult.f. 20604  
E 20604 South Africa - Cape Province 20604
- V II *Aloe breviscapa* G. Reyn. & Bally  
V Somalia
- R II *Aloe buchlohii* Rauh 20578  
R 20578 Madagascar (Toliara) 20578
- R II *Aloe buhrii* Lavranos 20604  
R 20604 South Africa - Cape Province 20604
- I II *Aloe bullockii* G. Reyn. 5926  
I 5926 Tanzania (Buha, Kahama) 20264
- I II *Aloe bussei* A. Berger 20264  
I 5926 Tanzania 20264
- E I *Aloe calcairophila* G. Reyn. 18294  
E 20578 Madagascar (Fianarantsoa) 20578
- R II *Aloe calidophila* G. Reyn. 20264  
R Ethiopia  
R Kenya
- V II *Aloe cameronii* Hemsl. var. *bondana* G. Reyn.  
V Zimbabwe
- I II *Aloe canarina* S. Carter 20264  
I 19007 Uganda (Karamoja) 20264
- R II *Aloe cannellii* Leach  
R 17668 Mozambique 17668
- R II *Aloe capitata* Baker var. *cipolinicola* H. Perrier 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- R II *Aloe capitata* Baker var. *silvicola* H. Perrier 20578  
R 20578 Madagascar (Mahajunga) 20578
- V II *Aloe cheranganiensis* S. Carter & Brandham 20057  
V 20057 Kenya 20057  
V 20057 Uganda 20264
- E II *Aloe chlorantha* Lavranos 20604  
E 20604 South Africa - Cape Province 20604
- R II *Aloe chortolirioides* A. Berger var. *boastii* (Letty) G. Reyn.  
R Swaziland
- V II *Aloe chrysochrysis* Lavranos & Newton 20264  
V Kenya
- V II *Aloe classenii* G. Reyn. 20264  
V Kenya
- R II *Aloe comosa* Marloth & A. Berger 20604  
R 20604 South Africa - Cape Province 20604
- E I *Aloe compressa* H. Perrier var. *compressa* 18294  
E 20578 Madagascar (Antananarivo) 20578
- E I *Aloe compressa* H. Perrier var. *rugosquamosa* H. Perrier 18294  
E 20578 Madagascar (Antananarivo) 20578
- E I *Aloe compressa* H. Perrier var. *schistophila* H. Perrier 18294  
E 20578 Madagascar (Antananarivo) 20578
- R II *Aloe confusa* Engl. 20264  
R 17668 Kenya 17668  
V 5926 Tanzania 5926
- R II *Aloe conifera* H. Perrier 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- E II *Aloe cremersii* Lavranos 20578  
E 20578 Madagascar (Fianarantsoa) 20578
- R II *Aloe cremnophila* G. Reyn. & Bally  
R Somalia
- R II *Aloe cryptoflora* G. Reyn. 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- R II *Aloe dabenorisana* Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- V II *Aloe decurva* G. Reyn.  
V Mozambique
- E I *Aloe descoingsii* G. Reyn. 18294  
E 20578 Madagascar (Toliara) 20578
- V II *Aloe deserti* Engl. 20264  
V Kenya  
V Tanzania
- V II *Aloe dhufarensis* Lavranos 20146  
V 17668 Oman 17668
- R II *Aloe dinteri* A. Berger 20604, 18295  
R 20604 Namibia 20604
- R II *Aloe distans* Haw. 20604  
R 20604 South Africa - Cape Province 20604
- R II *Aloe doi* Lavranos 18295  
R Yemen, Democratic
- I II *Aloe dorothea* A. Berger 20264  
I 5926 Tanzania 5926
- V II *Aloe elgonica* Bullock 20264  
V Kenya
- R II *Aloe eminens* G. Reyn. & Bally 20884  
R 20884 Somalia (north) 20884
- R II *Aloe erythrophylla* Bosser 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- V II *Aloe fibrosa* Lavranos & Newton 20264  
V Kenya  
V 17668 Tanzania 17668

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Aloaceae: *Aloe*

- R** II *Aloe fievetii* G. Reyn. 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- I** II *Aloe flexilifolia* Christian 20264  
I 5926 Tanzania 5926
- R** II *Aloe forbesii* Balf. f. 15534  
R 15534 Yemen - Socotra (Hajh) 15534
- R** II *Aloe fulleri* Lavranos  
R 17668 Yemen, Democratic 17668
- R** II *Aloe gerstneri* Reynolds 20604  
R 20604 South Africa - Natal 20604
- R** II *Aloe gracilis* Haw. var. *decumbens* G. Reyn. 20803  
R 20803 South Africa - Cape Province 20803
- V** II *Aloe grisea* S. Carter & Brandham  
V Somalia
- R** II *Aloe haemanthifolia* A. Berger & Marloth 20604  
R 20604 South Africa - Cape Province 20604
- V** II *Aloe harlana* G. Reyn.  
V Ethiopia
- R** I *Aloe haworthioides* Baker var. *aurantiaca* H. Perrier 18294  
R 20578 Madagascar (Fianarantsoa) 20578
- R** I *Aloe haworthioides* Baker var. *haworthioides* 18294  
R 20578 Madagascar (Fianarantsoa) 20578
- E** I *Aloe helenae* Danguy 18294  
E 18294 Madagascar (Toliara) 20578
- V** II *Aloe heliderana* Lavranos  
V Somalia
- I** II *Aloe howmanii* G. Reynolds 7763  
I Zimbabwe 7763
- R** II *Aloe ibitiensis* H. Perrier 20578  
R 18294 Madagascar (Antananarivo) 20578
- R** II *Aloe inamara* Leach  
R 17668 Angola 17668
- R** II *Aloe inconspicua* Plowes 20604, 19976  
R 20604 South Africa - Natal 20604
- V** II *Aloe inermis* Forsk.  
V 17668 Saudi Arabia 17668  
V 17668 Yemen 17668  
V Somalia
- R** II *Aloe itremensis* G. Reyn. 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- I** II *Aloe jacksonii* G. Reyn.  
I Ethiopia
- E** II *Aloe jucunda* G. Reyn.  
E Somalia
- R** II *Aloe juvenna* Brandham & S. Carter 20264  
R 17668 Kenya 17668
- V** II *Aloe keithii* Reynolds 20604, 18023  
R 20604 Swaziland 20604
- E** II *Aloe kilifiensis* Christian 20264  
E Kenya
- V** II *Aloe krapohlana* Marloth 20604  
V 20604 South Africa - Cape Province 20604
- R** II *Aloe kulalensis* Newton & Beentje 20057  
R 20057 Kenya (Mt. Kulal) 20057
- R** I *Aloe laeta* A. Berger var. *laeta* 20578  
R 20578 Madagascar (Antananarivo) 20578
- R** I *Aloe laeta* A. Berger var. *maniaensis* H. Perrier 20578  
R 20578 Madagascar (Fianarantsoa) 20578
- I** II *Aloe leachii* Reynolds 20264  
I 5926 Tanzania 5926
- V** II *Aloe lensayuensis* Lavranos & Newton 20264  
V Kenya
- I** II *Aloe leptosiphon* A. Berger 20264  
I 5926 Tanzania 20264
- V** II *Aloe longistyla* Baker 20604  
V 20604 South Africa - Cape Province 20604
- R** II *Aloe mcloughlinii* Christian  
R Ethiopia
- V** II *Aloe medishiana* G. Reyn. & Bally  
V Somalia
- V** II *Aloe menachensis* (Schweinf.) Blatter  
V 17668 Yemen 17668
- V** II *Aloe mendesii* G. Reyn. 6968  
V 6968 Angola 6968
- V** II *Aloe meruana* Lavranos 20264  
V Kenya
- R** II *Aloe meyeri* Van Jaarsv. 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R** II *Aloe microcantha* Haw. 20604  
R 20604 South Africa - Cape Province 20604
- R** II *Aloe millotii* G. Reynolds 18294  
R 20578 Madagascar (Toliara) 20578
- R** II *Aloe monotropa* I. Verd. 20604, 17458  
R 20604 South Africa - Transvaal 20604
- R** II *Aloe monticola* G. Reyn.  
R Ethiopia
- E** II *Aloe morjensis* S. Carter & Brandham 20264  
E Kenya (Masai) 20264  
E Tanzania (Masai) 20264
- I** II *Aloe musapana* G. Reyn.  
I Zimbabwe
- V** II *Aloe nyeriensis* Christian 20057  
V 20057 Kenya 20057
- E** II *Aloe ortholopha* Christian & Müne-Redh. 6088  
E 6088 Zimbabwe 6088
- E** I *Aloe parallelifolia* H. Perrier 18294  
E 20578 Madagascar (Antananarivo) 20578
- E** I *Aloe parvula* A. Berger 18294  
E 20578 Madagascar (Fianarantsoa) 20578
- R** II *Aloe patersonii* B. Mathew  
R 17668 Zaire 17668
- V** II *Aloe pearsonii* Schönland 20604  
V 20604 Namibia 20604  
V 20604 South Africa - Cape Province 20604
- V** II *Aloe peckii* Bally & Verdoorn  
V Somalia
- R** II *Aloe peglerae* Schönland 20604  
R 20604 South Africa - Transvaal 20604
- I** II *Aloe penduliflora* Baker 20264  
V 17668 Kenya 17668  
I 5926 Tanzania 5926
- R** II *Aloe perrieri* G. Reynolds 18294  
R 20578 Madagascar (Fianarantsoa) 20578

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Aloaceae: *Aloe*

- R** II *Aloe petrophila* Pillans 20604  
**R** 20604 South Africa - Transvaal 20604
- R** II *Aloe pictifolia* D.S.Hardy 20604  
**R** 20604 South Africa - Cape Province 20604
- E** I *Aloe pillansii* L.Guthrie 20604  
**E** 20604 Namibia 20604  
**E** 20604 South Africa - Cape Province 20604
- E** I *Aloe polyphylla* Schönland ex Pillans 20604, 6966  
**E** 20604 Lesotho 20604  
**Ex** 20604 South Africa - Orange Free State 20604
- R** II *Aloe powysiorum* Newton & Beentje 20057  
**R** 20057 Kenya 20057
- R** II *Aloe prinsooi* I.Verd. & D.S.Hardy 20604  
**R** 20604 South Africa - Natal 20604
- R** II *Aloe pruinosa* Reynolds 20604  
**R** 20604 South Africa - Natal 20604
- R** II *Aloe pubescens* G. Reyn.  
**R** Ethiopia
- V** II *Aloe ramosissima* Pillans 20604  
**V** 20604 Namibia 20604  
**V** 20604 South Africa - Cape Province 20604
- R** I *Aloe rauhii* G. Reynolds 18294  
**R** 20578 Madagascar (Toliara) 20578
- I** II *Aloe reitzii* G. Reyn. var. *reitzii* 20604  
**I** 20604 South Africa - Transvaal 20604
- R** II *Aloe reitzii* G. Reyn. var. *vernalis*  
 Hardy 20604  
**R** 20604 South Africa - Natal 20604
- R** II *Aloe retrospecticiens* G. Reyn. & Bally  
**R** Ethiopia  
**R** Somalia
- V** II *Aloe reynoldsii* Letty 20604  
**V** 20604 South Africa - Cape Province (Transket)  
 20604
- I** II *Aloe richardsiae* Reynolds 5926  
**I** 5926 Tanzania 20264
- R** II *Aloe rigens* G. Reyn. & Bally var. *mortimeri*  
 Lavaranos  
**R** 17668 Yemen, Democratic 17668
- V** II *Aloe rivae* Baker 20264  
**V** Ethiopia (south) 20264  
**V** Kenya (Northern Frontier Province) 20264
- V** II *Aloe rubroviolacea* Schweinf.  
**V** 17668 Saudi Arabia 17668  
**V** 17668 Yemen, Democratic 17668
- V** II *Aloe rugosifolia* M.G. Gilbert & Sebsebe  
 Demissew 20264  
**V** Ethiopia (south) 20264  
**V** Kenya (Northern Frontier Province) 20264
- V** II *Aloe saundersiae* (Reynolds) Reynolds 20604  
**V** 20604 South Africa - Natal 20604
- R** II *Aloe schelpei* G. Reyn.  
**R** Ethiopia
- V** II *Aloe scobinifolia* G. Reyn. & Bally  
**V** Somalia
- V** II *Aloe simii* Pole Evans 20604  
**V** 20604 South Africa - Transvaal 20604
- V** II *Aloe sinana* G. Reyn.  
**V** Ethiopia
- V** II *Aloe somaliensis* W. Watson  
**V** Somalia
- R** II *Aloe soutpansbergensis* I.Verd. 20604  
**R** 20604 South Africa - Transvaal 20604
- E** II *Aloe squarrosa* Baker 15534  
**E** 15534 Yemen - Socotra (western cliffs) 15534
- R** II *Aloe striata* Haw. ssp. *komaggasensis* (Kritzinger &  
 Van Jaarsv.) Glen & D.S.Hardy 20604  
**R** 20604 South Africa - Cape Province 20604
- E** I *Aloe suzannae* Decary 18294  
**E** 18294 Madagascar (Toliara) 20578
- I** II *Aloe tauri* Leach  
**I** Zimbabwe
- I** II *Aloe thompsoniae* Groenew. 20604, 17458  
**I** 20604 South Africa - Transvaal 20604
- V** I *Aloe thorncroftii* Pole Evans 20604, 15658  
**V** 20604 South Africa - Transvaal 20604
- V** II *Aloe tororoana* G. Reyn. 20264  
**V** 19007 Uganda 19007
- R** II *Aloe trachyticola* (H. Perrier) G. Reyn. 20578  
**R** 20578 Madagascar 20578
- V** II *Aloe trigonantha* Leach  
**V** Ethiopia
- E** II *Aloe ukambensis* G. Reyn. 20264  
**E** Kenya
- V** II *Aloe vacillans* Forssk.  
**V** 17668 Saudi Arabia 17668  
**V** 17668 Yemen 17668  
**V** 17668 Yemen, Democratic 17668
- R** II *Aloe vandermerwei* Reynolds 20604  
**R** 20604 South Africa - Transvaal 20604
- R** I *Aloe versicolor* Guillaumin 18294  
**R** 20578 Madagascar (Toliara) 20578
- R** II *Aloe veseyi* G. Reyn. 20264  
**R** 17668 Tanzania 17668  
**R** 17668 Zambia 17668
- R** II *Aloe viguieri* H. Perrier 20578  
**R** 20578 Madagascar (Toliara) 20578
- V** II *Aloe vituensis* Baker 20264  
**V** Kenya
- R** II *Aloe vogtsii* Reynolds 20604  
**R** 20604 South Africa - Transvaal 20604
- R** I *Aloe vossii* Reynolds 20604, 15658  
**R** 20604 South Africa - Transvaal 20604
- E** II *Aloe whitcombii* Lavaranos 20146  
**E** 20146 Oman (Dhofar) 20146
- I** II *Aloe wildii* (G. Reyn.) G. Reyn.  
**I** Zimbabwe
- R** *Astroloba herrei* Uitewaal 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Gasteria baylissiana* Rauh 20604, 19170  
**E** 19170 South Africa (four plants at one site)  
 19170  
**E** 20604 South Africa - Cape Province 20604
- R** *Gasteria bicolor* Haw. var. *liliputana*  
 (Poelln.) 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Gasteria croucheri* (Hook.f.) Baker 20604  
**V** 20604 South Africa - Cape Province 20604  
**V** 20604 South Africa - Natal 20604



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Aloaceae: *Gasteria*

- R** *Gasteria ellaphieae* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gasteria glomerata* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gasteria rawlinsonii* Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gasteria vlokii* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Haworthia archeri* W.F.Barker ex M.B.Bayer var. *archeri* 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia archeri* W.F.Barker ex M.B.Bayer var. *dimorpha* M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Haworthia blackburniae* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Haworthia bruynsii* M.B.Bayer 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia comptoniana* G.G.Sm. 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia emelyae* Poelln. var. *emelyae* 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia emelyae* Poelln. var. *multifolia* M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Haworthia fasciata* (Willd.) Haw. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Haworthia floribunda* Poelln. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Haworthia graminifolia* G.G.Sm. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Haworthia heidelbergensis* G.G.Sm. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Haworthia kingiana* Poelln. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Haworthia koelmaniorum* Oberm. & D.S.Hardy 20604  
**V** 20604 South Africa - Transvaal 20604
- V** *Haworthia limifolia* Marloth var. *gigantea* M.B.Bayer 20604  
**V** 20604 South Africa - Natal 20604
- I** *Haworthia limifolia* Marloth var. *ubomboensis* (Verdoorn) G.G. Sm. 20039  
**I** 20039 Swaziland 20039
- V** *Haworthia lockwoodii* Archibald 20604  
**V** 20604 South Africa - Cape Province 20604
- I** *Haworthia macmurtryi* C.L.Scott 20604  
**I** 20604 South Africa - Transvaal 20604
- E** *Haworthia magnifica* Poelln. var. *major* (G.G.Sm.) M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia magnifica* Poelln. var. *ubomboensis* (I.Verd.) G.G.Sm. 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia marginata* (Lam.) Stearn 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia maughanii* Poelln. 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia mirabilis* (Haw.) Haw. ssp. *badia* (Poelln.) M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia mirabilis* (Haw.) Haw. ssp. *mundula* (G.G.Sm.) M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia mutica* Haw. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Haworthia nortieri* G.G.Sm. var. *globosiflora* (G.G.Sm.) M.B.Bayer 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia parksiana* Poelln. 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia pehlemanniae* C.L.Scott 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia poellnitziana* Uitevaal 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia pubescens* M.B.Bayer 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia pygmaea* Poelln. 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Haworthia retusa* (L.) Duval var. *dekanahii* (G.G.Sm.) M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- I** *Haworthia rubriflora* (L. Bolus) C.A.E. Parr  
**I** Southern Africa
- E** *Haworthia serrata* M.B.Bayer 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia sordida* Haw. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** *Haworthia springbokvlakensis* C.L.Scott 20604  
**V** 20604 South Africa - Cape Province 20604
- E** *Haworthia starkiana* Poelln. var. *lateganiae* (Poelln.) M.B.Bayer 20604, 20604  
**E** 20604 South Africa - Cape Province 20604
- V** *Haworthia truncata* Schönland 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Haworthia wittebergensis* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Haworthia woolleyi* Poelln. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Lomatophyllum antsingyense* Leandri 10368  
**R** 20578 Madagascar (Mahajunga) 20578
- E** *Lomatophyllum lomatophylloides* (Balf.f.) Marais 10082  
**E** 5852 Mauritius - Rodrigues (Grande Mt) 5852
- V** *Lomatophyllum macrum* (Haw.) Salm-Dyck 14234  
**V** 14234 Réunion 14234
- R** *Lomatophyllum occidentale* H. Perrier 10368  
**R** 20578 Madagascar (Mahajunga) 20578
- R** *Lomatophyllum orientale* H. Perrier 10368  
**R** 20578 Madagascar (Fianarantsoa) 20578
- R** *Lomatophyllum prostratum* H. Perrier 10368  
**R** 20578 Madagascar (Mahajunga) 20578
- V** *Lomatophyllum purpureum* (Lam.) T. Durand & Schinz 10082  
**V** 20771 Mauritius 10082
- R** *Lomatophyllum roseum* H. Perrier 10368  
**R** 20578 Madagascar (Mahajunga) 20578
- R** *Lomatophyllum sociale* H. Perrier 10368

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Alooaceae: *Lomatophyllum*

- R 20578 Madagascar (Mahajunga) 20578  
 E *Lomatophyllum tormentorii* Marais 10082  
 E 20771 Mauritius (Round I & Gunner's Quoin) 10936  
 R *Lomatophyllum viviparum* H. Perrier 10368  
 R 20578 Madagascar (Antsiranana) 20578  
 R *Poellnitzia rubriflora* (L.Bolus) Uitewaai 20604  
 R 20604 South Africa - Cape Province 20604

Alstroemeriaceae

Number of genera: 4  
 Number of species: 152  
 Recorded threatened species: 5 (3%)

Mexico to South America.

- R *Bomarea brevis* (Herbert) Baker 12379  
 V 19354 Bolivia 12379  
 R 18200 Peru 18200  
 E *Bomarea engleriana* Kranzlin  
 E 9446 Peru 18200  
 E *Bomarea filicaulis* Kranzlin  
 E 9446 Peru 18200  
 E *Leontochir ovallei* Philippi 11748  
 E 19534 Chile 11748  
 I *Schickendantzia hieronymi* Pax 16336  
 I 19448 Argentina 16336

Amaryllidaceae

Number of genera: 65  
 Number of species: 700  
 Recorded threatened species: 176 (25%)

Widespread.

- E *Amaryllis arboricola* Ravenna 16336  
 E 16336 Argentina 16336  
 V *Amaryllis santacatarina* Traub 6164  
 V Brazil - Rio Grande do Sul  
 V Brazil - Santa Catanna  
 V *Amaryllis scopulorum* (Baker) Traub.& Uphof. 6164  
 V 6164 Bolivia (Sorata) 6164  
 E *Amaryllis traubii* Mold. 18200  
 E 9446 Peru 18200  
 R *Apodolirion bolusii* Baker 20604  
 R 20604 South Africa - Cape Province 20604  
 R *Apodolirion lanceolatum* (Thunb.) Baker 20604  
 R 20604 South Africa - Cape Province 20604  
 E *Brunsvigia gydobergensis* D. & U.Müll.-Doblies 20604  
 E 20604 South Africa - Cape Province 20604  
 R *Brunsvigia herrei* Leight. ex W.F.Barker 20604  
 R 20604 South Africa - Cape Province 20604  
 V *Brunsvigia litoralis* R.A.Dyer 20604  
 V 20604 South Africa - Cape Province 20604  
 R *Brunsvigia pulchra* (W.F.Barker) D. & U.Müll.-Doblies 20604  
 R 20604 South Africa - Cape Province 20604  
 E *Caliphruria hartwegiana* Herbert 11202  
 E 11202 Colombia 11202  
 R *Caliphruria korsakoffii* (Traub) Meerow 11202  
 R 19926 Peru 11202  
 E *Caliphruria subdentata* Baker 11202  
 E 11202 Colombia 11202  
 Ex *Caliphruria tenera* Baker 11202  
 Ex Colombia 11202  
 V *Cooperia jonesii* Cory 20850  
 I 20850 U.S. - Texas 20850  
 E *Cooperia smallii* Alexander 20850  
 I 20850 U.S. - Texas 20850  
 R *Cooperia traubii* Hayward 20850  
 R 20850 U.S. - Texas 20850  
 I *Crinum balfourii* Baker 15534  
 I 15534 Yemen - Socotra 15534  
 R *Crinum baumii* Harms  
 R Namibia  
 R *Crinum campanulatum* Herb. 20604  
 R 20604 South Africa - Cape Province 20604  
 E *Crinum darienensis* Woods. 20883. 9006  
 I 20883 Panama 20883  
 R *Crinum eleonorae* Blatter & McCann 11494  
 R 11494 India - Maharashtra (Lingmala, Mahabaleshwar) 11494  
 R *Crinum lineare* L.f. 20604  
 R 20604 South Africa - Cape Province 20604  
 E *Crinum mauritanium* Lodd. 10082  
 E 20771 Mauritius 10082  
 I *Crinum piliferum* Nardal  
 I Kenya  
 I *Crinum pusillum* Herb. 7771  
 I 7771 India - Nicobar Is. 7771  
 R *Crinum rautanenianum* Schinz  
 R Namibia  
 R *Crinum strictum* Herbert 20850  
 R 20850 U.S. - Texas 20850  
 V *Crinum thaianum* J. Schulze 19120  
 V 19120 Thailand 19120  
 V *Cyrtanthus brachysiphon* Hilliard & B.L.Burt 20604  
 V 20604 South Africa - Natal 20604  
 V *Cyrtanthus carneus* Lindl. 20604  
 V 20604 South Africa - Cape Province 20604  
 R *Cyrtanthus clavatus* (L'Hér.) R.A.Dyer 20604  
 R 20604 South Africa - Cape Province 20604  
 R *Cyrtanthus erubescens* Killick 20604  
 R 20604 South Africa - Natal 20604  
 R *Cyrtanthus eucallus* R.A.Dyer 20604  
 R 20604 South Africa - Transvaal 20604  
 R *Cyrtanthus flammosus* Snijman & Van Jaarsv. 20604  
 R 20604 South Africa - Cape Province 20604  
 V *Cyrtanthus guthrieae* L.Bolus 20604  
 V 20604 South Africa - Cape Province 20604  
 R *Cyrtanthus helictus* Lehm. 20604  
 R 20604 South Africa - Cape Province 20604  
 R *Cyrtanthus herrei* (Leight.) R.A.Dyer 20604  
 R 20604 Namibia 20604  
 R 20604 South Africa - Cape Province 20604  
 R *Cyrtanthus huttonii* Baker 20604, 17458  
 R 20604 South Africa - Cape Province 20604  
 R 20604 South Africa - Transvaal 20604  
 R *Cyrtanthus leucanthus* Schltr. 20604  
 R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Amaryllidaceae: *Cyrtanthus*

- V *Cyrtanthus odorus* Ker Gawl. 20604  
V 20604 South Africa - Cape Province 20604
- I *Cyrtanthus sanguineus* (Lindley) Walp. ssp. *ballyi*  
Nordal  
I Kenya
- I *Cyrtanthus sanguineus* (Lindley) Walp. ssp. *minor*  
Nordal  
I Kenya
- R *Cyrtanthus sanguineus* (Lindley) Walp. ssp. *salmonoides* (Bally & Carter) Nordal  
R Kenya 7954
- R *Cyrtanthus smithiae* Watt ex Harv. 20604  
R 20604 South Africa - Cape Province 20604
- V *Cyrtanthus spiralis* Burch. ex Ker Gawl. 20604  
V 20604 South Africa - Cape Province 20604
- V *Cyrtanthus staadensis* Schönland 20604  
V 20604 South Africa - Cape Province 20604
- R *Cyrtanthus thorncroftii* C.H.Wright 20604  
R 20604 South Africa - Transvaal 20604
- V *Eucharis amazonica* Linden ex Planchon 18200  
V 18200 Peru 11202
- V *Eucharis astrophiala* (Ravenna) Ravenna 11202  
V 11202 Ecuador 11202
- E *Eucharis bonplandii* (Kunth) Traub 11203  
E 11202 Colombia 11203
- E *Eucharis bouchei* Woods. & Allen 20883  
I 20883 Panama 20883
- R *Eucharis bouchei* Woodson & Allen var. *dariensis*  
*bouchei* 12783  
R 12783 Costa Rica 11203  
R 11203 Guatemala 11203  
R 12783 Panama 11203
- R *Eucharis bouchei* Woodson & Allen var. *dariensis*  
Meerow 12783  
R 12783 Guatemala 12783  
R 12783 Panama 12783
- R *Eucharis bouchei* Woodson & Allen var. *dressleri*  
Meerow 12783  
R 12783 Panama 12783
- R *Eucharis candida* Planchon & Lindley 11202  
R 11202 Colombia 11202  
V 11202 Ecuador 11202  
R 11202 Peru 11202
- E *Eucharis caucana* Meerow 11202  
E 11202 Colombia 11202
- E *Eucharis corynandra* (Ravenna) Ravenna 11202  
E Peru 11202
- V *Eucharis cyaneosperma* Meerow 10186  
V Bolivia 10186  
V Brazil 10186  
V Peru 10186
- R *Eucharis formosa* Meerow 10186  
R 19353 Colombia 10186  
V Ecuador 10186  
V Peru 10186
- Ex *Eucharis lehmannii* Regel 11202  
Ex 11202 Colombia 11202
- R *Eucharis moorei* (Baker) Meerow 10186  
V Ecuador 10186  
R 11351 Peru 10186
- E *Eucharis oxyandra* (Ravenna) Meerow 11202  
E Peru 11202
- E *Eucharis plicata* Meerow ssp. *brevidentata*  
Meerow 11202  
E 19926 Bolivia 11202  
E 19926 Peru 11202
- E *Eucharis plicata* Meerow ssp. *plicata* 11202  
E 19926 Peru 11202
- R *Eucharis sanderi* Baker 11202  
R 19926 Colombia 11202
- V *Eucharis ulei* Kranzlin 11202  
V 11202 Bolivia 11202  
V 11203 Brazil 11202  
V Colombia 11202  
V Peru 11202
- E *Eucrosia aurantiaca* (Baker) Pax 11205  
E 11202 Ecuador 11205
- E *Eucrosia bicolor* var. *plowmanii*  
Meerow 20883  
I 20883 Peru 20883
- R *Eucrosia dodsonii* Meerow & Dehgan 11205  
R 19926 Ecuador 11205
- R *Eucrosia eucrosioides* (Herbert) Pax 11205  
V 11202 Ecuador 11205  
R 11202 Peru 11205
- Ex *Eucrosia mirabilis* (Baker) Pax 11205  
Ex 19926 Peru 11205
- R *Eucrosia tubiflora* Meerow 11205  
R Peru 11205
- I II *Galanthus alpinus* Sosn. 5942  
I 5942 Armenia 5942  
I 5942 Georgia 5942
- I II *Galanthus elwesii* Hook.f. 20171  
I 5942 Ukraine 5942
- R II *Galanthus lagodechianus* Kem.-Nat. 5942  
R 11552 Russia - North Caucasus 11552  
R 11552 Transcaucasus 11552
- Galanthus nivalis* L. ssp. *cilicicus* (Baker)  
Gottl.-Tann. 21389, 17665  
I 17664 Turkey (South west) 17665
- V II *Galanthus plicatus* M. Bieb. ssp. *byzantinus*  
(Baker) D.A. Webb 12840  
V 12840 Turkey 12840
- Ex *Gethyllis latifolia* Masson ex Baker 20604, 10260  
Ex 20604 South Africa - Cape Province 20604
- V *Gethyllis multifolia* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- V *Griffinia hyacinthina* Ker-gawl. 6164  
V Brazil - Sao Paulo
- Ex *Griffinia liboniana* Lem. 6164  
Ex 6164 Brazil - Minas Gerais 6164
- Ex *Habranthus caeruleus* (Griseb.) Traub 10540  
Ex 10540 Argentina 10540  
Ex 20176 Argentina - Entre Rios 20176
- V *Haemanthus amarylloides* Jacq. ssp. *amarylloides* 20604  
V 20604 South Africa - Cape Province 20604
- V *Haemanthus amarylloides* Jacq. ssp. *toximontanus*  
Snijman 20604  
V 20604 South Africa - Cape Province 20604
- V *Haemanthus canaliculatus* Levyns 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Amaryllidaceae: *Haemanthus*

- V 20604 South Africa - Cape Province 20604
- R *Haemanthus dasyphyllus* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Haemanthus grandifolius* Balf. f. 15534  
R 15534 Yemen - Socotra 15534
- R *Haemanthus graniticus* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Haemanthus lanceifolius* Jacq. 20604  
R 20604 South Africa - Cape Province 20604
- R *Haemanthus namaquensis* R.A.Dyer 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- R *Haemanthus nortieri* Isaac 20604  
R 20604 South Africa - Cape Province 20604
- I *Haemanthus pole-evansii* Oberm. 7753  
I Zimbabwe 7753
- R *Haemanthus pubescens* L.f. ssp. *arenicola*  
Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Haemanthus pubescens* L.f. ssp. *leipoldtii*  
Snijman 20604  
R 20604 South Africa - Cape Province 20604
- E *Haemanthus pumilio* Jacq. 20604  
E 20604 South Africa - Cape Province 20604
- R *Haemanthus tristis* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- V *Hessea bruce-bayeri* (D. & U.Müll.-Doblies)  
Snijman 20604  
V 20604 Namibia 20604  
V 20604 South Africa - Cape Province 20604
- R *Hessea cinnamomea* (L'Hér.) T.Durand & Schinz. 20604  
R 20604 South Africa - Cape Province 20604
- V *Hessea incana* Snijman 20604  
V 20604 South Africa - Cape Province 20604
- E *Hessea mathewsii* W.F.Barker 20604  
E 20604 South Africa - Cape Province 20604
- R *Hessea pilosula* D. & U.Müll.-Doblies 20604  
R 20604 South Africa - Cape Province 20604
- I *Hessea pulcherrima* (D. & U.Müll.-Doblies)  
Snijman 20604  
I 20604 South Africa - Cape Province 20604
- R *Hessea pusilla* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Hessea stenosphon* (Snijman) D. &  
U.Müll.-Doblies 20604  
R 20604 South Africa - Cape Province 20604
- R *Hessea undosa* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- E *Hippeastrum arboricolum* Ravenna 10540  
E 10540 Argentina 10540
- E *Hippeastrum aviflorum* Ravenna 10540  
E 10540 Argentina 10540
- E *Hippeastrum canterai* Arechav. 10540  
E 10540 Uruguay (Tranqueras) 10540
- E *Hippeastrum ferreyrae* (Traub) Gereau & Brako 18200  
E 9446 Peru 18200
- V *Hippeastrum petiolatum* Pax 10540  
E 10540 Argentina 10540  
V 19926 Brazil 19926
- E *Hymenocallis concinna* Baker 19850  
E 19848 Mexico 19850
- E *Hymenocallis durangoensis* T.M. Howard 19850  
E 19848 Mexico 19850
- E *Hymenocallis duvalensis* Traub 20850  
I 20850 U.S. - Florida 20850
- V *Hymenocallis guerreroensis* T.M. Howard 19850  
V 19850 Mexico 19850
- E *Hymenocallis henryae* Traub 20850  
E 20850 U.S. - Florida 20850
- V *Hymenocallis leavenworthii* (Standl. & Steyerl.) J.A.  
Bauml 19850  
V 19850 Mexico 19850
- E *Ismene amancaes* (Ruiz Lopez & Pavon) Herbert 18200  
E 19926 Peru 18200
- R *Ismene longipetala* (Lindley) Meerow 11351  
E 19926 Ecuador 11184  
R 18200 Peru 18200
- R *Ismene morrisonii* (Vargas) Gereau & Meerow 18200  
R 11184 Peru 18200
- R *Ismene narcissiflora* (Jacq.) M. Roemer 18200  
R 12468 Peru 18200
- V *Ismene vargasii* (Velarde) Gereau & Meerow 18200  
V 12468 Peru 18200
- R *Leptochiton helianthus* (Ravenna) Gereau &  
Meerow 18200  
R 11206 Peru 18200
- I *Leucojum aestivum* L. ssp. *pulchellum* (Salisb.)  
Briq. 8000, 20171  
V 20528 France (south east) 20528  
E 20726 France - Corsica 12844  
I 20528 Italy - Sardinia 20528  
I 20528 Italy - Sicily 20528  
I 20528 Spain - Balearic Is. 20528
- E *Leucojum fabrei* Quézel & B. Girerd 20528  
E 20528 France (Vaucluse) 20528
- R *Leucojum fontianum* Maire  
R Morocco
- V *Leucojum nicaeense* Ardoino 8000, 20171  
V 19174 France (south-east to Italian frontier)  
8000
- V *Leucojum valentinum* Pau 20171  
V 20692 Spain (Castellón & Valencia provinces)  
20692
- R *Leucojum valentinum* Pau. ssp. *vlorense* Pap. et  
Qosja 20178  
R 20178 Albania 20178
- V *Leucojum vernum* L. ssp. *carpathicum* (Spring.) O.  
Schwartz 19839  
V 19751 Poland 19751  
V 19321 Slovakia 19321
- Ex *Mathieua galanthoides* Klotzsch 11207  
Ex Peru 11207
- I *Narcissus broussonetii* Lag.  
I Morocco
- V *Narcissus bujei* (Fern.Casas) Fern. 19970  
V 19818 Spain (Málaga, & Cádiz) 19970
- R *Narcissus calcicarpetus* Fernandez Casas  
R 19970 Spain (Duración) 19970
- I *Narcissus calcicola* Mendonça 8000, 20171

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Amaryllidaceae: *Narcissus*

- I 20874 Portugal (west central) 19970  
I 20874 Spain (south) 20704
- R *Narcissus conspicuus* (Haw.) Sweet 19970  
R 19970 Spain (south-central) 19970
- R *Narcissus gaditanus* Boiss. & Reut. 8000, 20171  
R 19970 Portugal (Monchique to Lagos) 8000  
R 19970 Spain (Huelva) 8000
- R *Narcissus genesii-lopezii* Fernández Casas 19970  
R 19970 Spain 19970
- R *Narcissus longispatus* Pugsley 8000, 20171  
R 19174 Spain (South east: Sierra de Cazorla) 8000
- V *Narcissus munozii-garmendiae* Fernandez Casas  
V 19970 Spain (Ciudad Royal) 19970
- V *Narcissus perez-chiscanoi* Fernández Casas 19970  
V 19970 Spain (south-central) 19970
- E *Narcissus pseudonarcissus* L. ssp. *nevadensis* (Pugsley) A. Fernandes 8000, 20171  
E 15398 Spain (Sierra Nevada) 15398
- R *Narcissus pseudonarcissus* L. ssp. *primigenius* (Fernández Suárez ex Lainz) Fernández Casas & Lainz 19970  
R 19970 Spain (Léon: Asturias) 19970
- V *Narcissus radinganorum* Fern. Casas 20692  
V 20692 Spain (Valencia, Cuenca and Albacete provinces) 20692
- E *Narcissus scaberulus* Henriq. 8000, 20171  
E 20076 Portugal (Beira Alta) 8000
- E *Narcissus tortifolius* Fernandez Casas 19818  
E 19818 Spain (Sierra Cabrera) 17778
- V *Narcissus triandrus* L. ssp. *capax* (Salisb.) D.A. Webb 8000, 20171  
V 20528 France (north-west) 8000
- R *Nerine gibsonii* Douglas 20604  
R 20604 South Africa - Cape Province (Transkei) 20604
- R *Nerine gracilis* R.A.Dyer 20604  
R 20604 South Africa - Transvaal 20604
- R *Nerine marincowitzii* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Nerine masonorum* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Nerine pudica* Hook.f. 20604  
R 20604 South Africa - Cape Province 20604
- E *Pamianthe parviflora* Meerow 11208  
E 11202 Ecuador 11208
- R *Pancratium canariense* Ker-Gawl. 15105  
R 15105 Spain - Canary Is. 15105
- I *Pancratium parvum* Dalz.  
I India - Karnataka
- R *Paramongaia weberbaueri* Velarde Nunez  
R 19926 Bolivia 19926  
V 12468 Peru 18200
- R *Phaedranassa tunguraguae* Ravenna 11351  
R 6164 Ecuador 11351
- V *Phycella ignea* Lindley 19534  
V 19534 Chile 19534
- R *Placea amoena* Philippi 19535  
R 19535 Chile 19535
- R *Placea arzae* Philippi 5598  
R 5598 Chile 5598
- E *Plagiolirion horsmannii* Baker 11207, 20751  
E 19926 Colombia 11207
- R *Rauhia decora* Ravenna 11209  
R 18200 Peru 11209
- R *Rauhia multiflora* (Kunth) Ravenna 11184  
R 18200 Peru 11184
- R *Rauhia staminosa* Ravenna 11184  
R 18200 Peru 11184
- E *Rhodophiala araucana* (Philippi) Traub 5462  
E 5462 Argentina 5462  
E 20176 Argentina - Neuquen (Ñorquin) 20176
- V *Rhodophiala bagnoldii* (Herbert) Traub 19534  
V 19534 Chile 19534
- R *Stenomesson coccineum* (Ruiz Lopez & Pavon) Herbert  
R 12468 Peru 18200
- R *Stenomesson mirabilis* Ravenna 11210  
R 18200 Peru 11210
- R *Stenomesson variegatum* (Ruiz Lopez & Pavon) J.F. Macbr. 18200  
R 12468 Peru 18200
- E II *Sternbergia candida* B. Mathew & T. Baytop 17663  
E 17662 Turkey (Nr Fethiye in Mugla Province) 12840
- I II *Sternbergia schubertii* Schenk 17663  
I 12840 Turkey 12840
- R *Strumaria aestivalis* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Strumaria barbarae* Oberm. 20604  
R 20604 Namibia 20604  
R 20604 South Africa - Cape Province 20604
- I *Strumaria bidentata* Schinz 20604  
I 20604 Namibia 20604  
I 20604 South Africa - Cape Province 20604
- R *Strumaria discifera* Marloth ex Snijman ssp. *bulbifera* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Strumaria karoopoortensis* (D. & U.Müll.-Doblies) Snijman 20604  
R 20604 South Africa - Cape Province 20604
- E *Strumaria leipoldtii* (L.Bolus) Snijman 20604  
E 20604 South Africa - Cape Province 20604
- R *Strumaria massoniella* (D. & U.Müll.-Doblies) Snijman 20604  
R 20604 South Africa - Cape Province 20604
- V *Strumaria merxmulleriana* (D. & U.Müll.-Doblies) Snijman 20604  
V 20604 South Africa - Cape Province 20604
- R *Strumaria perryae* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- V *Strumaria picta* W.F.Barker 20604  
V 20604 South Africa - Cape Province 20604
- R *Strumaria pubescens* W.F.Barker 20604  
R 20604 South Africa - Cape Province 20604
- R *Strumaria pygmaea* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- V *Strumaria unguiculata* (W.F.Barker) Snijman 20604  
V 20604 South Africa - Cape Province 20604
- R *Strumaria villosa* Snijman 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Amaryllidaceae: *Strumaria*

- R** *Strumaria watermeyeri* L.Bolus ssp. *botterkloofensis*  
(D. & U.Müll.-Doblies) Snijman 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Ungernia spiralis* Proskor. 5942  
**I** 5942 Turkmenistan 5942
- I** *Ungernia victoris* Vved. ex Artjush. 5942  
**I** 5942 Tajikistan 5942  
**I** 5942 Uzbekistan 5942
- E** *Urceolina ayacucensis* Ravenna 11110  
**E** 19926 Peru 11184
- E** *Worsleya rayneri* (J.D. Hooker) Traub. & Moldenke 17079  
**E** 17079 Brazil - Rio de Janeiro (Município de Petrópolis) 17079
- V** *Zephyranthes konzatti* Greenm. 19850  
**V** 19850 Mexico 19850
- V** *Zephyranthes refugiensis* F.B. Jones 20850  
**I** 20850 U.S. - Texas 20850
- V** *Zephyranthes simpsonii* Chapman 20850  
**V** 20850 U.S. - Florida 20850  
**Ex/E** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - South Carolina 20850

**Anthericaceae**

Number of genera: 29  
Number of species: 481  
Recorded threatened species: 22 (4%)

Old World, especially Australasia & 5 genera in New World.

- R** *Anthericum milanjanum* Rendle 7757  
**R** Malawi (Mlanje) 7757
- R** *Anthericum nyasae* Rendle 7757  
**R** Malawi (Mlanje) 7757
- E** *Borya mirabilis* D.M.Churchill 20681  
**E** 20681 Australia - Victoria 20681
- R** *Chlorophytum borivilianum* Santapau & R.R. Fernandes  
**R** 13883 India - Gujarat 13883  
**R** 13883 India - Maharashtra 13883
- I** *Chlorophytum glaucum* Dalz.  
**I** India - Karnataka (Concan)
- R** *Chlorophytum lewisiae* Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Chlorophytum malabaricum* Dalz.  
**I** India (south Western Ghats)
- R** *Chlorophytum namaquense* Schltr. ex Poelln. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Chlorophytum nzii* A. Chev ex Hepper 7926  
**I** Côte d'Ivoire 7926
- E** *Diamaena stenantha* (Ravenna) Ravenna 11136  
**E** Peru 11136
- E** *Echeandia bolivarensis* Cruden 20883  
**I** 20883 Bolivia 20883
- R** *Echeandia chandleri* (Greenm. & C.H. Thompson) M.C. Johnston 20883, 20850  
**R** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- E** *Echeandia venusta* Woods. 20883, 9006  
**I** 20883 Panama 20883
- R** *Eremocrinum albomarginatum* (M.E. Jones) M.E. Jones 20850  
**V** 20850 U.S. - Arizona 20850

- R** 20850 U.S. - Utah 20850
- V** *Hensmania chapmanii* Keighery 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Laxmannia jamesii* Keighery 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Sowerbaea multicaulis* E.Pritzel 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Sowerbaea subtilis* D.A.Stewart 20681  
**V** 20681 Australia - Queensland 20681
- V** *Stawellia dimorphantha* F.Muell. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Thysanotus glaucus* Endl. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Thysanotus virgatus* Brittan 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Thysanotus wangariensis* Brittan 20681  
**R** 20681 Australia - South Australia 20681

**Aponogetonaceae**

Number of genera: 1  
Number of species: 40  
Recorded threatened species: 7 (17%)

Warmer and tropical regions of the old world.

- I** *Aponogeton appendiculatus* van Bruggen 13883  
**I** 13883 India - Kerala 13883  
**I** 13883 India - Tamil Nadu 13883
- E** *Aponogeton bullosus* H.Bruggen 20681  
**E** 20681 Australia - Queensland 20681
- R** *Aponogeton fottianus* Rayn.  
**R** Chad
- V** *Aponogeton hexatepalus* H.Bruggen 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Aponogeton queenlandicus* H.Bruggen 20681  
**R** 20681 Australia - Queensland 20681
- R** *Aponogeton ranunculiflorus* Jacot Guill. & Marais 20604, 6966  
**R** 20604 Lesotho 20604  
**R** 20604 South Africa - Natal (Near Sehlabethebe - Lesoto) 20604
- V** *Aponogeton satarensis* Sund., A.R. Kulk. & Yadav 11494  
**V** 11494 India - Maharashtra (Satara District) 11494

**Araceae**

Number of genera: 110  
Number of species: 1,800  
Recorded threatened species: 223 (12%)

Mostly tropical and subtropical.

- V** *Aglaonema clarkei* Hook.f. 14872  
**V** 14872 Bangladesh 14872
- R** *Aglaonema decurrens* Buchet 6057  
**R** Vietnam 6057
- I** *Aglaonema nicobaricum* Hook. F 7771  
**I** India - Nicobar Is. 7771
- R** *Alloschemone occidentalis* (Poeppig) Engler & Krause 7201  
**R** 7201 Brazil - Amazonas (Tefe) 7201
- I** *Alocasia montana* (Roxb.) Schott

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Araceae: *Alocasia*

- I India - Andhra Pradesh (north Circars)
- V *Alocasia sanderiana* Bulliard 10278  
V Philippines (Misamis, Agusan R. Pautar) 12756
- I *Alocasia sinuata* N.E. Br. 13833  
I 13833 Philippines (Palawan) 13833
- V *Alocasia zebrina* C. Koch & Veitch 10278  
V Philippines (Luzon) 12755
- I *Amorphophallus carnosus* Engl. 7771  
I India - Andaman Is. 7771
- I *Amorphophallus dubius* Blume 20013  
I India - Kerala (Malabar)  
I 20013 Sri Lanka 20013
- R *Amorphophallus hirtus* N.E. Br. var. *kiushianus* (Makino) M. Hotta 11164  
R 11164 Japan 11164
- I *Amorphophallus hohenackeri* Engl. 14727  
I India - Karnataka (nr Mangalore, South Canara) 14727
- R *Amorphophallus longistylus* Kurz ex Hook. F. 7771  
R 14782 India - Andaman Is. 14782
- R *Amorphophallus oncophyllus* Prain ex Hook. F. 7771  
R 14782 India - Andaman Is. 7771
- I *Amorphophallus preussii* (Engl.) N.E. Br.  
I Cameroon (Buea)
- I *Amorphophallus staudtii* (Engl.) N.E. Br.  
I Cameroon
- V *Amorphophallus titanum* Becc.  
V Indonesia - Sumatra
- R *Anaphyllum beddomei* Engler 14727  
R 14727 India - Tamil Nadu 14727
- I *Anaphyllum weightii* Schott 14727  
I 14727 India - Kerala 14727  
I 14727 India - Tamil Nadu 14727
- R *Anthurium acutangulum* Engl. 20883  
V 20883 Panama 20883
- I *Anthurium amnicola* Dressler 20883, 9070  
I 16317 Panama 20883
- V *Anthurium angustilobum* Croat 20883, 10747  
V 16317 Panama 20883
- V *Anthurium antonianum* Croat 10747  
V 16317 Panama 10747
- E *Anthurium antioanum* Croat 20883, 10766  
I 20883 Panama 20883  
? Colombia 10766
- I *Anthurium barryi* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium beltianum* Standley & L.O. Williams 9078  
V 11967 Nicaragua 9078
- V *Anthurium bicollectivum* Croat 20883, 10766  
I 20883 Panama 20883  
? Colombia 10766
- V *Anthurium brevispadix* Croat 20883, 10766  
V 16317 Panama 20883
- V *Anthurium caloveboranum* Croat 20883, 10766  
I 20883 Panama 20883
- I *Anthurium cartiense* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium cerrocampanense* Croat 20883, 10766  
I 20883 Panama 20883
- V *Anthurium cerropirrense* Croat 20883, 10766  
V 16317 Panama 20883
- V *Anthurium chiriquense* Standl. 20883, 9006  
V 16317 Panama 20883
- I *Anthurium chorranum* Croat 10766  
I 16317 Panama 10766
- E *Anthurium chorrense* Croat 20883  
I 20883 Panama 20883
- V *Anthurium chromostachyum* Croat 20883, 10766  
V 16317 Panama 20883
- E *Anthurium cinereopetiolatum* Croat 20883, 10766  
I 20883 Panama 20883  
? Colombia 10766
- V *Anthurium circinatum* Croat 20883, 10766  
I 20883 Panama 20883
- V *Anthurium coclense* Croat 20883, 10766  
I 20883 Panama 20883
- I *Anthurium collinsii* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium colonense* Croat 20883, 10766  
I 20883 Panama 20883
- V *Anthurium colonicum* K. Krause 20883, 9006  
I 20883 Panama 20883
- I *Anthurium coloradense* Croat 20883, 10766  
I 16317 Panama 20883
- R *Anthurium concolor* K. Krause 20883  
V 20883 Panama 20883
- V *Anthurium correae* Croat 20883, 10766  
I 20883 Panama 20883
- I *Anthurium crassilaminum* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium crassiradix* Croat var. *crassiradix* 20883, 10766  
I 20883 Panama 20883
- I *Anthurium crassiradix* Croat var. *purpureospadix* Croat 20883, 10766  
I 16317 Panama 20883
- I *Anthurium crassitapalum* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium cuasicanum* Croat 20883, 10766  
V 16317 Panama 20883
- V *Anthurium cubense* Engler 5607  
V 19105 Cuba (SC; Gu) 5607
- V *Anthurium cucullispatham* Croat 20883, 10766  
I 20883 Panama 20883
- I *Anthurium curvilaminum* Croat 20883, 10766  
I 16317 Panama 20883
- V *Anthurium curvispadix* Croat 20883, 10766  
I 20883 Panama 20883
- I *Anthurium dichrophyllum* Croat 20883, 10766  
I 16317 Panama 20883
- R *Anthurium dressleri* Croat 20883  
V 20883 Panama 20883
- V *Anthurium dukei* Croat 20883, 10766  
V 16317 Panama 20883
- V *Anthurium folsomianum* Croat 20883, 10766  
V 16317 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Araceae: *Anthurium*

- E** *Anthurium foreroanum* Croat 20883, 10766  
**I** 20883 Panama 20883  
**?** Colombia 10766
- I** *Anthurium fusiforme* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium gentryi* Croat 20883, 10766  
**V** 16317 Panama 20883
- V** *Anthurium globosum* Croat 20883, 10766  
**I** 20883 Panama 20883
- I** *Anthurium gracililaminum* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium gracilispadix* Croat 20883, 10766  
**I** 20883 Panama 20883
- R** *Anthurium gymnopus* Griseb. 11840  
**R** 19105 Cuba (Pinar del Rio) 11840
- R** *Anthurium hacumense* Engl. 20883  
**R** 20883 Panama 20883
- I** *Anthurium hammelii* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium hebetatum* Croat 20883  
**I** 20883 Panama 20883
- I** *Anthurium hornitense* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium impolitum* Croat 20883, 10766  
**I** 20883 Panama 20883
- E** *Anthurium inconspicuum* N.E. Br. 2409  
**E** 2409 Brazil - Rio de Janeiro (Sao Cristovao, Taquara de Tijuca) 2409
- V** *Anthurium jefense* Croat 20883, 10766  
**V** 16317 Panama 20883
- I** *Anthurium kallunkiae* Croat 20883, 10766  
**I** 16317 Panama 20883
- I** *Anthurium kamemotoanum* Croat 20883, 10766  
**I** 16317 Panama 20883
- I** *Anthurium lactifractum* Croat 20883, 10766  
**I** 16317 Panama 20883
- I** *Anthurium lancifolium* Croat var. *albifractum*  
 Croat 20883, 10766  
**I** 16317 Panama 20883
- I** *Anthurium leptocaulle* Croat 20883, 10766  
**I** 16317 Panama 20883
- Ex** *Anthurium leuconeurum* Lemaire 9078  
**Ex** 9078 Mexico 9078
- E** *Anthurium llanense* Croat 20883  
**I** 20883 Panama 20883
- I** *Anthurium llanense* Croat ssp. *llanense* 10766  
**I** 16317 Panama 10766
- R** *Anthurium longipetiolatum* Engler 2409  
**R** 2409 Brazil - Rio de Janeiro (Organ Mtns.) 2409
- V** *Anthurium longistipitatum* Croat 20883, 10766  
**I** 20883 Panama 20883
- V** *Anthurium luteynii* Croat 20883, 10766  
**I** 20883 Panama 20883
- V** *Anthurium madisonianum* Croat 20883, 10766  
**I** 20883 Panama 20883
- R** *Anthurium mancuiniense* Adams 20883, 13336  
**R** 19890 Jamaica 20883
- R** *Anthurium maximiliani* Schott 2409  
**R** 2409 Brazil - Rio de Janeiro 2409
- V** *Anthurium melastomatis* Croat 20883, 10766  
**V** 16317 Panama 20883
- V** *Anthurium myosuroides* (H.B.K.) Endl. 20883  
**E** 20883 Panama 20883
- R** *Anthurium nanospadix* Engler 2409  
**R** 2409 Brazil - Rio de Janeiro (Organ Mtns.) 2409
- V** *Anthurium nervatum* Croat 20883, 10766  
**I** 20883 Panama 20883
- E** *Anthurium niqueanum* Croat 20883, 10766  
**I** 20883 Panama 20883  
**?** Colombia 10766
- E** *Anthurium nobile* Engler 2409  
**E** 2409 Brazil - Rio de Janeiro (Petropolis) 2409
- V** *Anthurium oxystachyum* Croat 20883, 10766  
**V** 16317 Panama 20883
- V** *Anthurium pageanum* Croat 20883, 10766  
**I** 20883 Panama 20883
- R** *Anthurium paludosum* Engl. 20883  
**V** 20883 Panama 20883
- V** *Anthurium panamense* Croat 20883, 10766  
**I** 20883 Panama 20883
- I** *Anthurium papillilaminum* Croat 20883, 10766  
**I** 16317 Panama 20883
- R** *Anthurium parvum* N.E. Br. 2409  
**R** 2409 Brazil - Rio de Janeiro (Teresopolis, Organ Mtns.) 2409
- I** *Anthurium pauciflorum* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium pirrense* Croat 20883, 10766  
**V** 16317 Panama 20883
- V** *Anthurium pittieri* Engl. var. *morii*  
 Croat 20883, 10766  
**I** 20883 Panama 20883
- I** *Anthurium platyrrhizum* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium podophyllum* (Cham. & Schild.) Kunth 9071  
**V** 19850 Mexico 9071
- I** *Anthurium pseudospectabile* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium purpureospathum* Croat 20883, 9078  
**I** 20883 Panama 20883
- R** *Anthurium ramonense* K. Krause 20883  
**R** 20883 Panama 20883
- I** *Anthurium redolens* Croat 20883, 10766  
**I** 16317 Panama 20883
- I** *Anthurium roseospadix* Croat 20883, 10766  
**I** 16317 Panama 20883
- V** *Anthurium rotundistigmatum* Croat 20883, 10766  
**I** 20883 Panama 20883
- E** *Anthurium rubrifractum* Croat 20883, 10766  
**I** 20883 Panama 20883  
**?** Colombia 10766
- V** *Anthurium rupicola* Croat 20883, 10766  
**I** 20883 Panama 20883
- V** *Anthurium sagawae* Croat 20883, 10766  
**V** 16317 Panama 20883



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Araceae: *Anthurium*

- V *Anthurium sanctifidense* Croat 20883, 10766  
 I 20883 Panama 20883  
 ? Colombia 10766
- V *Anthurium sapense* Croat 20883, 10766  
 V 16317 Panama 20883
- V *Anthurium subrotundum* Croat 20883, 10766  
 V 16317 Panama 20883
- I *Anthurium supraglandulum* Croat 20883, 10766  
 I 16317 Panama 20883
- I *Anthurium sytsmae* Croat 20883, 10766  
 I 16317 Panama 20883
- E *Anthurium tacarcunense* Croat 20883, 10766  
 I 20883 Panama 20883  
 ? Colombia 10766
- I *Anthurium teribense* Croat 20883, 10766  
 I 16317 Panama 20883
- V *Anthurium terryae* Standl. & L.O. Wms. 20883, 10766  
 V 16317 Panama 20883
- R *Anthurium theresiopolitanum* Engler 2409  
 R 2409 Brazil - Rio de Janeiro (Tereseopolis, Organ  
 Mtns.) 2409
- V *Anthurium tutense* Croat 20883, 10766  
 V 16317 Panama 20883
- V *Anthurium tysonii* Croat 20883, 10766  
 V 16317 Panama 20883
- V *Anthurium venosum* Griseb. 20883, 19890  
 R 19890 Cuba 20883  
 V 19890 Jamaica 20883
- I *Anthurium wedelianum* Croat ssp. *viridispadix*  
 Croat 20883, 10766  
 I 16317 Panama 20883
- V *Anthurium wedelianum* Croat ssp.  
*wedelianum* 20883, 10766  
 I 20883 Panama 20883
- R *Arisaema abei* Serizawa 11164  
 R 11164 Japan 11164
- R *Arisaema aprile* J. Murata 11164  
 R 11164 Japan 11164
- I *Arisaema attenuatum* Barnes et Fischer 14727  
 I 14727 India 14727
- I *Arisaema auriculata* Barnes 14727  
 I 14727 India - Tamil Nadu (Nilambur Ghats)  
 18341
- I *Arisaema barnesii* C. Fischer  
 I India - Karnataka  
 I India - Tamil Nadu
- I *Arisaema constrictum* Barnes 10252  
 I 16162 Sri Lanka 10252
- R *Arisaema cucullatum* H. Hotta 11164  
 R 11164 Japan 11164
- R *Arisaema heterocephalum* Koidz. ssp.  
*heterocephalum* 11164  
 R 11164 Japan 11164
- E *Arisaema heterocephalum* Koidz. ssp. *majus* (Seriz.)  
 J. Murata 11164  
 E 11164 Japan 11164
- R *Arisaema ishizuchiense* Murata var. *alpicola*  
 Seriz. 11164  
 R 11164 Japan 11164
- R *Arisaema ishizuchiense* Murata ssp. *brevicollum*  
 Ohashi & J. Murata 11164  
 R 11164 Japan 11164
- R *Arisaema ishizuchiense* Murata ssp.  
*ishizuchiense* 11164  
 R 11164 Japan 11164
- R *Arisaema iyoanum* Makino ssp. *iyoanum* 11164  
 R 11164 Japan 11164
- R *Arisaema iyoanum* Makino ssp. *nakaianum* (Ohba)  
 Ohashi & J. Murata 11164  
 R 11164 Japan 11164
- E *Arisaema kawashimae* Serizawa 11164  
 E 11164 Japan 11164
- E *Arisaema kuratae* Seriz. 11164  
 E 11164 Japan 11164
- R *Arisaema longipedunculatum* M. Hotta var.  
*longipedunculatum* 11164  
 R 11164 Japan 11164
- E *Arisaema longipedunculatum* M. Hotta var.  
*yakumontanum* Seriz. 11164  
 E 11164 Japan 11164
- E *Arisaema minamitanii* Seriz. 11164  
 E 11164 Japan 11164
- E *Arisaema minus* (Serizawa) J. Murata 11164  
 E 11164 Japan 11164
- I *Arisaema murrayi* Hook.f.  
 I India - Karnataka (Concan)  
 I India - Tamil Nadu (Nilgiri Hills)
- R *Arisaema nikoense* Nakai ssp. *australe* (M. Hotta)  
 Seriz. 11164  
 R 11164 Japan 11164
- R *Arisaema nikoense* Nakai var. *kaimontanum*  
 Seriz. 11164  
 R 11164 Japan 11164
- E *Arisaema ogatae* Koidz. 11164  
 E 11164 Japan 11164
- E *Arisaema ovale* Nakai var. *inaense* (Serizawa) J.  
 Murata 11164  
 E 11164 Japan 11164
- I *Arisaema psittacus* Barnes  
 I India - Kerala (Travancore Hills)
- I *Arisaema pulcherum* N.E. Br.  
 I India - Tamil Nadu (Sispara, Nilgiri Hills)
- I *Arisaema sarracenioides* Barnes et Fischer 14727  
 I 14727 India (Naimakad gap and Munnar-Devicolam)  
 14727
- E *Arisaema seppikoense* Kitamura 11164  
 E 11164 Japan 11164
- R *Arisaema sikokianum* Fr. & Sar. 11164  
 R 11164 Japan 11164
- I *Arisaema translucens* C. Fischer 14727  
 I India - Tamil Nadu (Nilgiri Hills)  
 14727
- I *Arisaema tuberculatum* C. Fischer 4988  
 I India - Tamil Nadu (Nilgiri Hills) 4988
- I *Arisaema tylophorum* C. Fischer 14727  
 I India - Tamil Nadu (Nilgiri Hills) 4988
- E *Arisaema undulatifolium* Nakai ssp. *nambae* (Kitam.)  
 Ohashi & J. Murata 11164  
 E 11164 Japan 11164

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Araceae: *Arisaema*

- I** *Arisaema wightii* Schott  
**I** India - Tamil Nadu (Nilgiri Hills)
- R** *Arum balansanum* R. Mill 12840  
**R** 12840 Turkey 12840
- R** *Arum conophalloides* Kotschy ex Schott var. *caudatum*  
**E** Engler 12840  
**R** 19873 Turkey 12840
- R** *Arum dioscoridis* Sm. var. *luschanii* R. Mill. 12840  
**R** 12840 Turkey 12840
- R** *Arum euxinum* R. Mill 12840  
**R** 19873 Turkey 12840
- V** *Arum pupureospadiceum* Boyce 19121  
**V** 19121 Greece 19121
- V** *Arum purpureospathum* P. Boyce 14166  
**V** 20730 Greece - Crete (south-west) 14166
- E** *Asterostigma fabrisii* Crisci 16336  
**E** 20176 Argentina - Misiones (Eldorado) 20176
- R** *Asterostigma vermicida* Hauman & Vanderveken 19575  
**R** 19575 Argentina 19575
- V** *Biarum davisii* Turrill 8000, 20171  
**V** 19121 Greece (Simi) 19121  
**V** 19121 Turkey (south-west Anatolia) 19121
- R** *Biarum davisii* Turrill ssp. *davisii* 19121  
**R** 20730 Greece - Crete 19121
- R** *Biarum dispar* (Schott) Talavera 14958, 20171  
**R** 14958 Algeria 14958
- R** *Biarum eximium* (Schott & Kotschy) Engler 12840  
**R** 19873 Turkey 12840
- R** *Biarum galiani* Talavera 20171  
**R** 20076 Portugal 20076  
**R** Spain
- R** *Biarum spruneri* Boiss. 20171  
**R** 20730 Greece - Crete 19121
- R** *Biarum tenuifolium* (L.) Schott. ssp. *idaeum* 20731  
**R** 20730 Greece - Crete 19121
- R** *Biarum tenuifolium* (L.) Schott ssp. *idomenaeum*  
**R** P.C.Boyce & Athanasios 20731  
**R** 19121 Greece - Crete 19121
- R** *Caladium paradoxum* Bogner & Mayo 20883  
**I** 20883 Colombia 20883
- I** *Callopsiopsis hallaei* Bogner  
**I** Gabon
- R** *Chlorospatha croatiana* Grayum 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883  
**I** 20883 Colombia 20883
- E** *Chlorospatha croatiana* Grayum ssp. *enneaphylla*  
**E** Grayum 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Panama 20883
- E** *Chlorospatha gentryi* Grayum 20883  
**I** 20883 Colombia 20883
- Ex** *Chlorospatha kressii* Grayum 21274  
**Ex** 21274 Colombia (Chocó) 21274
- I** *Cryptocoryne cognata* Schott 14727  
**I** 14782 India - Karnataka (Concan) 14782
- V** *Cryptocoryne cognatoides* Blatter & McCann 11494  
**V** 11494 India - Karnataka (North Kanara) 11494
- V** 11494 India - Maharashtra 11494
- I** *Cryptocoryne consobrina* Schott 14727  
**I** India (Western Ghats)
- E** *Cryptocoryne elliptica* N.E. Br. 20740, 10260  
**E** 20740 Malaysia 20740
- I** *Cryptocoryne thwaitesii* Schott 10252  
**I** 16162 Sri Lanka 10252
- E** *Cryptocoryne tortuosa* Blatter & McCann 11494  
**E** 11494 India - Maharashtra (Mahabaleshwar, Satara) 11494
- I** *Cryptocoryne wightii* Schott  
**I** India - Karnataka (Mysore)  
**I** India - Kerala (Calicut)
- V** *Culcasia panduriformis* Engl. & K. Krause  
**V** Cameroon
- R** *Culcasia rotundifolia* Bogner  
**R** Gabon
- V** *Dieffenbachia pittieri* Engl. & K. Krause 20883  
**V** 20833 Panama 20883
- V** *Dracunculus canariensis* Kunth 15105  
**V** 15105 Spain - Canary Is. 15105
- I** *Hapaline appendiculata* Ridley 9402  
**I** Malaysia - Sarawak 9402
- R** *Hapaline colaniae* Gagnepain 6057  
**R** Vietnam 6057
- I** *Homalomena elmeri* Engl. 13833  
**I** 13833 Philippines (low and medium altitudes) 13833
- I** *Homalomena palawanensis* Engl. 13833  
**I** 13833 Philippines (low altitude) 13833
- I** *Lagenandra meeboldii* (Engl.) C. Fischer  
**I** India - Karnataka (Agalhatti, Mysore)  
**I** India - Kerala (Tuppanad, south Malabar)
- I** *Lagenandra undulata* Sastry 14727  
**I** India - Arunachal Pradesh (Subansiri) 14727
- R** *Lazarum mirabile* A.Hay 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Monstera costaricensis* (Engl. & Krause) Croat & Grayum 11992  
**R** 11992 Costa Rica 11992
- R** *Monstera gracilis* Engl. 8485  
**R** 8485 Colombia 8485
- E** *Nepthytis swainei* J. Bogner 10260  
**E** 6072 Ghana 6072
- Ex** *Philodendron clementis* C. Wright ex Griseb. 11840  
**Ex** 19105 Cuba (PR; LV; LH) 11840
- I** *Philodendron fendleri* Krause 5932  
**I** 5932 Trinidad & Tobago (Trinidad) 5932
- E** *Philodendron scaberulum* C. Wright 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- I** *Philodendron scandens* C. Koch & H. Sello 19712  
**I** 19712 Cayman Is. (Grand Cayman) 19712
- V** *Philodendron schottii* C. Koch 20883  
**V** 20883 Jamaica 20883
- I** *Pothos armatus* C. Fischer 14727  
**I** India - Karnataka (Tambracheri Ghat, Malabar)
- R** *Pothos brassii* Burt 20681  
**R** 20681 Australia - Queensland 20681

## The 1997 IUCN Red List of Threatened Plants

### Liliopsida (monocots): Araceae: *Pothos*

- R** *Pothos brownii* Domin 20681  
**R** 20681 Australia - Queensland 20681
- R** *Pothos penicilliger* Gagnepain 6057  
**R** Vietnam 6057
- I** *Pothos thomsonianus* Schott 14727  
**I** India - Karnataka (Carnatic)  
**I** India - Kerala (Travancore Hills) 14727
- R** *Pothos touranensis* Gagnepain 6057  
**R** Vietnam 6057
- I** *Protarum sechellarum* Engl. 14296  
**I** 19182 Seychelles (granitic) 14296
- I** *Pycnospatha soerenisii* S.Y. Hu 19120  
**I** 19120 Thailand 19120
- R** *Rhaphidophora laichauensis* Gagnepain 6057  
**R** Vietnam 6057
- R** *Remusatia vivipara* (Roxb.) Schott 20681  
**I** 20681 Australia - Northern Territory 20681  
**I** 20681 Australia - Queensland 20681
- R** *Rhaphidophora pachyphylla* Krause 20681  
**R** 20681 Australia - Queensland 20681
- I** *Rhaphidophora palawanensis* Merr. 13833  
**I** 13833 Philippines 13833
- R** *Scindapsus annamicus* Gagnepain 6057  
**R** Vietnam 6057
- R** *Spathiphyllum atrovirens* Schott 9037  
**R** 9111 Costa Rica 9037
- R** *Therophonum dalzellii* Schott 14727  
**R** 14727 India - Karnataka 14727  
**R** 14727 India - Maharashtra 14727
- I** *Therophonum fischeri* Sivadasan 14727  
**I** India - Kerala (central)  
**I** India - Tamil Nadu (south-west) 14727
- V** *Therophonum sivagangam* (Ramam. et Seb.)  
 Bogner 14727  
**V** 14727 India - Tamil Nadu 14727
- I** *Thomsonia larsenii* S.Y. Hu 19120  
**I** 19120 Thailand 19120
- I** *Typhonium cordifolium* S.Y. Hu 19120  
**I** 19120 Thailand 19120
- R** *Typhonium eliosurum* (Benth.) O.Evans 20681  
**R** 20681 Australia - New South Wales 20681
- E** *Typhonium incurvatum* Blatter & McCann 11494  
**E** 11494 India - Maharashtra (Bombay-Sion) 11494
- R** *Typhonium jonesii* A.Hay 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Typhonium larsenii* 19120  
**I** 19120 Thailand 19120
- V** *Typhonium listeri* Prain 14872  
**V** 14872 Bangladesh 14872
- E** *Urospathella wurdackii* (Bunting) Bunting 20883  
**I** 20883 Venezuela 20883
- E** *Xanthosoma caladioides* Grayum 20883, 9482  
**I** 20883 Panama 20883
- I** *Zantedeschia jucunda* Letty 20604  
**I** 20604 South Africa - Transvaal 20604
- R** *Zantedeschia odorata* P.L.Perry 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Zantedeschia pentlandii* (Watson) Wittm. 20604  
**R** 20604 South Africa - Transvaal 20604

## Asparagaceae

Number of genera: 1  
 Number of species: 50-60  
 Recorded threatened species: 13 (23%)

Widespread in Old World.

- R** *Asparagus arborescens* Willd. ex J.A. & J.H. Schultes  
**R** Spain - Canary Is.
- I** *Asparagus asiaticus* L.  
**I** India - Karnataka (Bellary)
- R** *Asparagus coodei* Davis 12840  
**R** 12840 Turkey 12840
- E** *Asparagus fallax* Svent. 20750  
**E** 20750 Spain - Canary Is. 20750
- I** *Asparagus fysoni* Macbr.  
**I** India - Tamil Nadu (Nilgiri Hills)
- I** *Asparagus jacquemonti* Baker 14782  
**I** 14782 India - Maharashtra 14782
- R** *Asparagus litoralis* Steven 20171  
**R** former European USSR
- E** *Asparagus lycanicus* Davis 12840  
**E** 12840 Turkey 12840
- V** *Asparagus nesiotus* Svent.  
**E** Portugal - Salvage Is.  
**V** Spain - Canary Is.
- R** *Asparagus pastorianus* Webb & Berthel.  
**R** Spain - Canary Is.
- R** *Asparagus plocamoides* Webb ex Svent.  
**R** Spain - Canary Is.
- I** *Asparagus rotleri* Baker 14782  
**I** 14782 India (Deccan Peninsula) 14782
- R** *Asparagus umbellatus* Link ssp. *lowei* (Kunth)  
 Valdes  
**R** Portugal - Madeira

## Asphodelaceae

Number of genera: 11  
 Number of species: 319  
 Recorded threatened species: 48 (15%)

Europe, Africa, Asia, New Zealand and Mexico.

- R** *Asphodeline anatolica* E. Tuzlaci 12840  
**R** 12840 Turkey 12840
- R** *Asphodeline cilicica* E. Tuzlaci 12840  
**R** 12840 Turkey 12840
- V** *Asphodeline damascena* (Boiss.) Baker ssp. *ovoidea*  
 E. Tuzlaci 12840  
**V** 12840 Turkey 12840
- R** *Asphodeline damascena* (Boiss.) Baker ssp. *rugosa*  
 E. Tuzlaci 12840  
**R** 12840 Turkey 12840
- R** *Asphodeline peshmeniana* E. Tuzlaci 12840  
**R** 12840 Turkey 12840
- R** *Asphodeline prismatocarpa* J. Gay ex Baker 12840  
**R** 12840 Turkey 12840
- I** *Asphodeline tenuior* (Bieb.) Ledeb. 5942  
**I** 5942 Russia - North Caucasus 5942
- R** *Asphodeline tenuior* (Fischer) Ledeb. var.  
*puberulenta* E. Tuzlaci 12840

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Asphodelaceae: *Asphodeline*

- R 12840 Turkey 12840
- E *Asphodelus bento-rainhae* P.Silva 8000, 20171  
E 20076 Portugal (central) - Serra da Gardunha) 8000
- R *Bulbine brunsvigiifolia* Baker 20604  
R 20604 South Africa - Cape Province 20604
- R *Bulbine diphylla* Schltr. ex Poelln. 20604  
R 20604 South Africa - Cape Province 20604
- R *Bulbine fallax* Poelln. 20604  
R 20604 South Africa - Cape Province 20604
- V *Bulbine haworthioides* B.Nord. 20604  
V 20604 South Africa - Cape Province 20604
- R *Bulbine louwii* L.I.Hall 20604  
R 20604 South Africa - Cape Province 20604
- E *Bulbine margarethae* L.I.Hall 20604  
E 20604 South Africa - Cape Province 20604
- R *Bulbine orchioides* Drège ex Poelln. 20604  
R 20604 South Africa - Cape Province 20604
- R *Bulbine striata* Baijnath & Van Jaarsv. 20604  
R 20604 South Africa - Cape Province 20604
- V *Bulbine wiesei* L.I.Hall 20604  
V 20604 South Africa - Cape Province 20604
- R *Bulbinella nana* P.L.Perry 20604  
R 20604 South Africa - Cape Province 20604
- I *Eremurus candidus* Vved. 5942  
I 5942 Tajikistan 5942
- Ex/E *Eremurus chloranthus* Popov 5942  
Ex/E 5942 Uzbekistan 5942
- R *Eremurus hilariae* Popov & Vved. 5942  
R 5942 Kazakhstan 5942
- I *Eremurus kopetdaghensis* Popov ex B. Fedtsch. 5942  
I 5942 Turkmenistan (west) 5942
- Ex/E *Eremurus korovinii* B. Fedtsch. 5942  
Ex/E 5942 Kazakhstan (south) 5942
- I *Eremurus lachnostegius* Vved. 5942  
I 5942 Tajikistan (west) 5942
- I *Eremurus roseolus* Vved. 5942  
I 5942 Tajikistan 5942
- R *Kniphofia acraea* Codd 20604  
R 20604 South Africa - Cape Province 20604
- R *Kniphofia bruceae* (Codd) Codd 20604  
R 20604 South Africa - Cape Province 20604
- I *Kniphofia citrina* Baker 20604  
I 20604 South Africa - Cape Province 20604
- R *Kniphofia coddiana* Cufod. 20604  
R 20604 South Africa - Cape Province (Transkei) 20604  
R 20604 South Africa - Natal 20604
- R *Kniphofia coralligemma* E.A.Bruce 20604  
R 20604 South Africa - Transvaal 20604
- I *Kniphofia crassifolia* Baker 20604, 17458  
I 20604 South Africa - Transvaal 20604
- R *Kniphofia ensifolia* Baker ssp. *autumnalis* Codd 20604  
R 20604 South Africa - Orange Free State 20604
- R *Kniphofia evansii* Baker 20604  
R 20604 South Africa - Natal 20604
- V *Kniphofia flammula* Codd 20604  
V 20604 South Africa - Natal 20604
- V *Kniphofia hirsuta* Codd 20604  
V 20604 Lesotho 20604  
V 20604 South Africa - Cape Province 20604
- R *Kniphofia kirkii* Baker 5926  
R 5926 Tanzania 5926
- E *Kniphofia latifolia* Codd 20604  
E 20604 South Africa - Natal 20604
- E *Kniphofia leucocephala* Baijnath 20604  
E 20604 South Africa - Natal 20604
- R *Kniphofia mulanjeana* Blackmoore 7866  
R Malawi 7866
- Ex *Kniphofia pauciflora* Baker 20604  
Ex 20604 South Africa - Natal 20604
- V *Kniphofia reflexum* Hutch. ex Codd  
V Cameroon (Lakom & Bamenda)
- R *Kniphofia rigidifolia* E.A.Bruce 20604  
R 20604 South Africa - Transvaal 20604
- R *Kniphofia sarmentosa* (Andrews) Kunth 20604  
R 20604 South Africa - Cape Province 20604
- R *Kniphofia triangularis* Kunth ssp. *obtusiloba* (Berger) Codd 20604  
R 20604 South Africa - Natal 20604  
R 20604 South Africa - Transvaal 20604
- E *Kniphofia umbrina* Codd 20604, 18023  
E 20604 Swaziland 20604
- I *Trachyandra adamsonii* (Compton) Oberm. 20604  
I 20604 South Africa - Cape Province 20604
- R *Trachyandra aridomontana* J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- R *Trachyandra prolifera* P.L.Perry 20604  
R 20604 South Africa - Cape Province 20604
- R *Trachyandra thyrsoides* (Baker) Oberm. 20604  
R 20604 South Africa - Cape Province 20604
- R *Trachyandra zebrina* (Schltr. ex Poelln.) Oberm. 20604  
R 20604 South Africa - Cape Province 20604

Asteliaceae

Number of genera: 4  
Number of species: 34  
Recorded threatened species: 9 (26%)

Mascarenes, New Guinea, Australasia, Pacific, Chile.

- V *Astelia australiana* (J.H.Willis) L.Moore 20681  
V 20681 Australia - Victoria 20681
- E *Astelia chathamica* (Skottsbl.) L. Moore 86  
E 19305 New Zealand - Chatham Is. 19106
- E *Astelia tovii* F. Brown  
E French Polynesia - Marquesas Is
- E *Astelia waialealae* Wawra 20850, 14209  
I 20850 U.S. - Hawaii 20850
- R *Milligania johnstonii* F.Muell. ex Benth. 20681  
R 20681 Australia - Tasmania 20681
- R *Milligania lindoniana* Rodway ex W.M.Curtis 20681  
R 20681 Australia - Tasmania 20681
- R *Milligania longifolia* Hook.f. 20681  
R 20681 Australia - Tasmania 20681
- R *Milligania stylosa* (F.Muell. ex Hook.f.) F.Muell. ex Benth. 20681  
R 20681 Australia - Tasmania 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Asteliaceae: *Milligania*

- V *Neoastelia spectabilis* J.B.Williams 20681  
 V 20681 Australia - New South Wales 20681

**Blandfordiaceae**

Number of genera: 1  
 Number of species: 4  
 Recorded threatened species: 1 (25%)

Eastern Australia.

- R *Blandfordia cunninghamii* Lindley 20681  
 R 20681 Australia - New South Wales 20681

**Bromeliaceae**

Number of genera: 45  
 Number of species: 2,000  
 Recorded threatened species: 480 (24%)

New World, except one species in western tropical Africa.

- R *Abromeitiella brevifolia* (Griseb.) Castellanos 20883, 9097  
 R 19575 Argentina 20883  
 V 20883 Bolivia 20883

- R *Abromeitiella lorentziana* (Mez) Castellanos 20883 9097  
 R 1975 Argentina 20883

- V *Aechmea allenii* L.B. Sm. 20883, 9097  
 V 16317 Panama 20883

- R *Aechmea apocalyptica* Reitz 17746  
 R 17079 Brazil 17079  
 R 17746 Brazil - Parana 17746  
 R 17746 Brazil - Santa Catarina 17746  
 R 17746 Brazil - Sao Paulo 17746

- R *Aechmea blumenavii* Reitz 17746  
 R 17746 Brazil - Santa Catarina (Itajaf, Tubarao) 17746

- V *Aechmea decurva* Proctor 20883, 13336  
 V 13336 Jamaica 20883

- I *Aechmea dichlamydea* Baker 9097  
 V Trinidad & Tobago  
 I Venezuela

- R *Aechmea dichlamydea* Baker var. *pariaensis* Pittendre. 16228  
 R 23 Venezuela (Sucre) 16228

- R *Aechmea kertesziae* Reitz 9097  
 R Brazil - Santa Catarina 9097

- R *Aechmea kleinii* Reitz 17746  
 R 17746 Brazil - Santa Catarina 17746

- I *Aechmea orlandiana* Lyman B. Smith var. *orlandiana* 11245  
 I 11245 Brazil 11245

- R *Aechmea pimenti-velosi* Reitz 17746  
 R 17746 Brazil - Santa Catarina 17746

- V *Bromelia superba* Mez 20883, 13336  
 V 13336 Jamaica 20883

- V *Catopsis werckleana* Mez 9097  
 V 9426 Costa Rica 9097

- V *Connellia caricifolia* L.B. Smith 20883  
 E 20883 Guyana 20883  
 E 20883 Venezuela 20883

- E *Connellia quelchii* N.E. Brown 20883  
 E 20883 Venezuela 20883

- R *Connellia augustae* (Richard Schomburgk) N.E.

Brown 20883

- E 20883 Guyana 20883  
 R 20883 Venezuela 20883

- E *Connellia nutans* L.B. Smith 20883  
 E 20883 Venezuela 20883

- V *Cottendorfia argentea* (L.B.Smith) L.B. Smith 20883  
 V 20883 Venezuela 20883

- E *Cottendorfia brachyphylla* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia cylindrostachya* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia dendritica* L.B. Smith 20883  
 E 20883 Brazil 20883

- E *Cottendorfia dyckioides* L.B. Smith 20883  
 E 20883 Venezuela 20883

- R *Cottendorfia florida* Schultes filius 20883  
 R 20883 Brazil 20883

- R *Cottendorfia geniculata* (L.B. Smith) L.B. Smith 20883  
 E 20883 Guyana 20883  
 R 20883 Venezuela 20883

- E *Cottendorfia glaciillima* L.B. Smith 20883  
 E 20883 Venezuela 20883

- R *Cottendorfia guianensis* var. *guianensis* 20883  
 V 20883 Guyana 20883  
 V 20883 Venezuela 20883

- E *Cottendorfia guianensis* var. *vestita* L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia longipes* L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia maguirei* L.B. Smith 20883  
 E 20883 Brazil 20883

- V *Cottendorfia minor* (L.B. Smith) L.B. Smith 20883  
 V 20883 Venezuela 20883

- V *Cottendorfia navioides* (L.B. Smith) L.B. Smith 20883  
 V 20883 Venezuela 20883

- E *Cottendorfia nubigena* L.B. Smith 20883  
 E 20883 Venezuela 20883

- V *Cottendorfia paludosa* (L.B. Smith) L.B. Smith 20883  
 E 20883 Guyana 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia phelpsi* (L.B.Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia savannensis* L.B. Smith 20883  
 E 20883 Venezuela 20883

- V *Cottendorfia serrulata* var. *reductata* (L.B. Smith) L.B. Smith 20883  
 E 20883 Guyana 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia serrulata* var. *serrulata* 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia stenophylla* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia steyermarkii* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia steyermarkii* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia steyermarkii* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia steyermarkii* (L.B. Smith) L.B. Smith 20883  
 E 20883 Venezuela 20883

- E *Cottendorfia steyermarkii* (L.B. Smith) L.B. Smith 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Cottendorfia*

- E** *Cottendorfia subsimplex* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Venezuela 20883
- E** *Cottendorfia thyrsoidea* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Venezuela 20883
- V** *Cottendorfia wurdackii* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Guyana 20883  
**E** 20883 Venezuela 20883
- V** *Deuterocohnia chrysantha* (Philippi) Mez 15088  
**V** 13875 Chile 13875
- V** *Deuterocohnia chyantha* (Philippi) Mez 20883  
**V** 20883 Argentina 20883
- V** *Deuterocohnia digitata* L.B. Smith 20883  
**E** 20883 Argentina 20883  
**E** 20883 Bolivia 20883
- R** *Deuterocohnia haumanii* Castellanos 20883  
**R** 20883 Argentina 20883
- R** *Deuterocohnia meziana* O. Kuntze ex Mez 20883  
**E** 20883 Bolivia 20883  
**E** 20883 Brazil 20883  
**V** 20883 Paraguay 20883
- V** *Deuterocohnia strobilifera* var. *inermis* L.B. Smith 20883  
**E** 20883 Argentina 20883  
**V** 20883 Bolivia 20883
- E** *Deuterocohnia strobilifera* var. *strobilifera* 20883  
**E** 20883 Bolivia 20883
- E** *Dyckia cabreræ* L.B. Smith & Reitz 17079  
**E** 17079 Brazil - Santa Catarina 17079
- E** *Dyckia hatschbachii* L.B. Smith 17079  
**E** 17746 Brazil - Parana 17746  
**E** 17079 Brazil - Santa Catarina (northeast) 17079
- E** *Dyckia ibiramensis* Reitz 17079  
**E** 17079 Brazil - Santa Catarina (Rio Itajaí do Norte) 17079
- E** *Dyckia macedoi* L.B. Smith 17928  
**E** 17928 Brazil - Minas Gerais (Serra do Cipó) 17928
- E** *Dyckia sanmartiniensis* 5462  
**E** 5462 Argentina 5462
- E** *Encholirium bradeanum* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium densiflorum* Ule 20883  
**E** 20883 Brazil 20883
- E** *Encholirium glaziovii* Mez 20883  
**E** 20883 Brazil 20883
- E** *Encholirium gracile* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium hoehneanum* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium horridum* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium irwinii* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium lutzii* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** *Encholirium magalhaesii* L.B. Smith 20883  
**E** 20883 Brazil 20883
- E** 20883 Brazil 20883
- E** *Encholirium rupestre* Ule 20883  
**E** 20883 Brazil 20883
- R** *Encholirium spectabile* Martius ex Schultes filius 20883  
**R** 20883 Brazil 20883
- E** *Encholirium subsecundum* (Baker) Mez 20883  
**E** 20883 Brazil 20883
- R** *Fernseea itataiae* (Wawra) Baker 17079  
**R** 17079 Brazil - Minas Gerais (Parque Nacional de Itataia) 17079  
**R** 17746 Brazil - Rio de Janeiro (Parque Nacional de Itataia) 17746
- R** *Fosterella albicans* (Grisebach) L.B. Smith 20883  
**V** 20883 Argentina 20883  
**E** 20883 Bolivia 20883
- E** *Fosterella aletroides* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Peru 20883
- E** *Fosterella gracilis* (Rusby) L.B. Smith 20883  
**E** 20883 Bolivia 20883
- E** *Fosterella graminea* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Bolivia 20883
- E** *Fosterella pearcei* (Baker) L.B. Smith 20883  
**E** 20883 Bolivia 20883
- R** *Fosterella penduliflora* (C.H. Wright) L.B. Smith 20883  
**V** 20883 Argentina 20883  
**E** 20883 Bolivia 20883  
**E** 20883 Peru 20883
- E** *Fosterella petiolata* (Mez) L.B. Smith 20883  
**E** 20883 Peru 20883
- E** *Fosterella rojasii* (L.B. Smith) L.B. Smith 20883  
**E** 20883 Paraguay 20883
- V** *Fosterella rusbyi* (Mez) L.B. Smith 20883  
**E** 20883 Bolivia 20883  
**E** 20883 Peru 20883
- R** *Fosterella schidosperma* (Baker) L.B. Smith 20883  
**E** 20883 Bolivia 20883  
**V** 20883 Peru 20883
- E** *Fosterella villosula* (Harms) L.B. Smith 20883  
**E** 20883 Bolivia 20883
- E** *Fosterella weddelliana* (Brongniart ex Baker) L.B. Smith 20883  
**E** 20883 Bolivia 20883
- I** *Glomeropitcairnia erectiflora* Mez 9097  
**V** Trinidad & Tobago  
**I** Venezuela
- E** *Greigia berteroi* 19116  
**E** 19125 Chile - Juan Fernandez Is. 19116
- I** *Greigia rohweri* Lyman B. Smith 9097  
**I** 21291 El Salvador 9097
- V** *Greigia sylvicola* Standley 9097  
**V** 9426 Costa Rica 9097
- R** *Guzmania andreana* (E. Morren) Mez 9097  
**R** 19352 Colombia 9097
- V** *Guzmania condensata* Mez & Werckle 9097  
**V** 9426 Costa Rica 9097
- I** *Guzmania ecuadoriensis* Gilmartin 9097  
**I** 19550 Ecuador 9097
- R** *Guzmania erythrolepis* Brongn. ex Planch. 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Guzmania*

- V 20883 Jamaica 20883  
I 20883 Puerto Rico 20883
- V *Guzmania fawcettii* Mez 20883  
V 20883 Jamaica 20883
- I *Guzmania filiorum* L.B. Sm. 20883, 9097  
I 16317 Panama 20883
- V *Guzmania kennedyae* Lyman B. Smith & Read 10747  
V 16317 Panama 10747
- R *Guzmania lehmanniana* (Wittm.) Mez  
R Colombia
- I *Guzmania macropoda* L.B. Sm. 20883, 9097  
I 16317 Panama 20883
- R *Guzmania palustris* (Wittm.) Mez 9097  
R 19352 Colombia 9097
- R *Guzmania rauhiana* H.E. Luther 10260  
R 11245 Ecuador 11245
- E *Guzmania virescens* L.B. Sm. var. *laxior* Lyman B. Smith 20883, 9097  
I 20883 Panama 20883  
V 19788 Venezuela 19788
- E *Hechtia konzattiana* Lyman B. Smith 9097  
E 19790 Mexico - Oaxaca 9097
- E *Hechtia fragilis* Burt-Utley & Utley 10155  
E 19790 Mexico - Oaxaca 10155
- V *Hechtia pedicellata* S.Watson 9097  
V 19761 Mexico - Jalisco 9097
- E *Hechtia reticulata* Lyman B. Smith 9097  
E 19790 Mexico - Colima 9097
- V *Hechtia zacatecae* Lyman B. Smith 9097  
V 19761 Mexico - Zacatecas 9097
- R *Hohenbergia abbreviata* L.B. Sm. & Proctor 20883, 13336  
R 13336 Jamaica 20883
- R *Hohenbergia belemii* Lyman B. Smith 16686  
R 16686 Brazil (Belem) 16686
- I *Hohenbergia brittoniana* L.B. Sm. 20883, 13336  
I 13336 Jamaica 20883
- E *Hohenbergia caymanensis* Britton 19712  
E 19434 Cayman Is. (Grand Cayman) 19434
- V *Hohenbergia distans* (Griseb.) Bak. 20883, 13336  
V 13336 Jamaica 20883
- V *Hohenbergia fawcettii* Mez 20883, 19890  
R 19890 Jamaica 20883
- I *Hohenbergia gnetacea* Mez 20883, 13336  
I 13336 Jamaica 20883
- R *Hohenbergia inermis* Mez 20883  
R 20883 Jamaica 20883
- R *Hohenbergia jamaicana* L.B. Sm. & Proctor 20883, 13336  
R 13336 Jamaica 20883
- V *Hohenbergia laesslei* L.B. Sm. 20883, 13336  
V 13336 Jamaica 20883
- V *Hohenbergia negrilensis* Britton ex L.B. Sm. 20883, 13336  
V 13336 Jamaica 20883
- V *Hohenbergia proctorii* L.B.Sm. 20883  
V 20883 Jamaica 20883
- R *Hohenbergia spinulosa* Mez 20883  
R 20883 Jamaica 20883
- R *Hohenbergia urbaniana* Mez 20883  
R 20883 Jamaica 20883
- E *Hohenbergiopsis guatemalensis* (Lyman B. Smith) Lyman B. & R. Read 19170  
E 19170 Guatemala (montane forest, 30 plants remain) 19170
- E *Lindmania aurea* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Lindmania imitans* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Lindmania piresii* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Brazil 20883
- E *Lindmania riparia* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Lindmania saxicola* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Lindmania sessilis* L. B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- R *Lymania corallina* (Brong. ex Beer) Read 13830  
R 13830 Brazil 13830
- E *Navia berryana* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia crassicaulis* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia culcitaria* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia delascionis* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia filifera* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia huberiana* L. B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia liesneri* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia linearis* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia pedemontana* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia piresii* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Brazil 20883
- E *Navia plowmanii* L.B. Smith, Steyermark & Robinson 20883  
I 20883 Venezuela 20883
- E *Navia polyglomerata* L.B. Smith, Steyermark &

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Navia*

- Robinson 20883  
 I 20883 Venezuela 20883
- I** *Neoregelia gavionensis* Martinelli & Leme 17014  
 I 12014 Brazil - Rio de Janeiro 17014
- E** *Pitcairnia agavifolia* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia alborubra* Baker 20883  
 E 20883 Colombia 20883
- V** *Pitcairnia amblyosperma* L.B. Smith 20883  
 V 20883 Mexico 20883
- R** *Pitcairnia andreana* Linden 9097  
 R 19352 Colombia 9097
- E** *Pitcairnia anomala* Hoehne 20883  
 E 20883 Brazil 20883
- R** *Pitcairnia aphelandriflora* Lem. 20883  
 E 20883 Panama 20883  
 E 20883 Ecuador 20883  
 E 20883 Peru 20883
- V** *Pitcairnia armata* Maury 20883  
 V 20883 Venezuela 20883
- R** *Pitcairnia billbergioides* Lyman B. Smith 13831  
 R 13831 Peru 13831
- R** *Pitcairnia bradei* Markgraf 20883  
 R 20883 Brazil 20883
- E** *Pitcairnia breweri* L.B. Smith 20883  
 E 20883 Venezuela 20883
- R** *Pitcairnia bromeliifolia* var. *wynteri*  
 Read 20883  
 R 20883 Jamaica 20883
- R** *Pitcairnia bulbosa* L.B. Smith 20883  
 I 20883 Colombia 20883  
 V 20883 Venezuela 20883
- R** *Pitcairnia caricifolia* var. *caricifolia* 20883  
 V 20883 Brazil 20883  
 V 20883 Colombia 20883  
 V 20883 Guyana 20883  
 E 20883 Suriname 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia caricifolia* var. *macrantha* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia cassapensis* Mez 18200  
 E 9446 Peru 18200
- V** *Pitcairnia chiriquensis* L.B. Sm. 20883, 9097  
 V 16317 Panama 20883
- V** *Pitcairnia costata* L.B. Smith 20883  
 I 20883 Colombia 20883  
 E 20883 Ecuador 20883
- E** *Pitcairnia ctenophylla* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia cyanopetala* Ule 18200  
 E 9446 Peru 18200
- I** *Pitcairnia feliciana* (A. Chev.) Harms & Mildbr. 7926  
 I Guinea 7926
- E** *Pitcairnia ferreyrae* Lyman B. Smith 18200  
 E 9446 Peru 18200
- E** *Pitcairnia filispina* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia geyskesii* L.B. Smith 20883  
 E 20883 Suriname 20883
- V** *Pitcairnia halophila* Lyman B. Smith 9097  
 V 9426 Costa Rica 9097
- E** *Pitcairnia harlingii* L.B. Smith 20883, 9097  
 E 20883 Ecuador 20883
- E** *Pitcairnia heliophila* L.B. Smith 20883  
 E 20883 Colombia 20883
- V** *Pitcairnia incarnata* Baker 20883  
 I 20883 French Guiana 20883  
 I 20883 Guyana 20883
- R** *Pitcairnia juncoides* L.B. Smith 20883  
 R 20883 Venezuela 20883
- E** *Pitcairnia killipiana* Lyman B. Smith 20883  
 E 20883 Colombia 20883
- E** *Pitcairnia killipiana* Lyman B. Smith var. *viridis*  
 Varadarajan & Forero 20883  
 I 20883 Colombia 20883
- R** *Pitcairnia kressii* Luther 11245  
 R 11245 Panama 11245
- E** *Pitcairnia kunhardtiana* L.B. Smith 20883  
 E 20883 Venezuela 20883
- R** *Pitcairnia laxisima* Baker 9097  
 R 19352 Colombia 9097
- E** *Pitcairnia limae* L.B. Smith 20883  
 E 20883 Brazil 20883
- E** *Pitcairnia maguirei* L.B. Smith 20883  
 E 20883 Venezuela 20883
- V** *Pitcairnia membranifolia* Baker 9097  
 V 9426 Costa Rica 9097
- E** *Pitcairnia mituensis* L.B. Smith 20883  
 E 20883 Colombia 20883
- V** *Pitcairnia nuda* Baker 20883  
 E 20883 Guyana 20883  
 E 20883 Suriname 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia occidentalis* var. *alversonii* (Lyman B. Smith & Read) 20883  
 I 20883 Colombia 20883
- E** *Pitcairnia patentiflora* var. *armata* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Pitcairnia patentiflora* var. *macrantha* L.B. Smith 20883  
 E 20883 Colombia 20883
- R** *Pitcairnia patentiflora* var. *subintegra* L.B. Smith 20883  
 E 20883 Brazil 20883  
 V 20883 Colombia 20883
- E** *Pitcairnia platypetala* Mez 20883  
 E 20883 Brazil 20883
- V** *Pitcairnia pruinosa* Humboldt, Bonpland & Kunth 20883  
 V 20883 Venezuela 20883
- R** *Pitcairnia punicea* Scheidweiler 20883  
 V 20883 Guatemala 20883  
 V 20883 Mexico 20883
- E** *Pitcairnia quesnelioides* L.B. Smith 20883  
 E 20883 Colombia 20883
- R** *Pitcairnia rubiginosa* var. *amazonica* (Baker) L.B. Smith 20883  
 V 20883 Brazil 20883  
 E 20883 Colombia 20883



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Pitcairnia*

- I 20883 Venezuela 20883
- R** *Pitcairnia rubiginosa* var. *rubiginosa* 20883  
 V 20883 Brazil 20883  
 E 20883 Colombia 20883  
 E 20883 French Guiana 20883
- R** *Pitcairnia sordida* Lyman B. Smith 9097  
 R 19761 Mexico - Guerrero 9097
- V** *Pitcairnia spicata* (Lamarck) Mez 5710  
 V 5710 Martinique (Mont. Pelee; Carbet etc.)  
 5710
- E** *Pitcairnia tarapotensis* Baker 18200  
 E 9446 Peru 18200
- R** *Pitcairnia tillandsioides* Lyman B. Smith 9097  
 R 19761 Mexico - Guerrero 9097
- R** *Pitcairnia tuerckheimii* J.D. Smith var.  
*tuerckheimii* 9097  
 R 19761 Guatemala 9097  
 R 19761 Mexico 9097
- V** *Pitcairnia turbinella* L.B. Smith 20883  
 E 20883 Venezuela 20883
- Ex** *Pitcairnia undulata* Scheidw. 9097  
 Ex 9097 Brazil 9097
- E** *Pitcairnia wardackii* L.B. Smith 20883  
 E 20883 Venezuela 20883
- R** *Pitcairnia xanthocalyx* Martius 9097  
 R 19761 Mexico 9097
- E** *Puya adscendens* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya aequatorialis* var. *aequatorialis* 20883  
 E 20883 Ecuador 20883
- E** *Puya aequatorialis* var. *albiflora*  
 André 20883  
 E 20883 Ecuador 20883
- E** *Puya alata* L.B. Smith 20883  
 E 20883 Bolivia 20883
- E** *Puya alba* L.B. Smith 20883  
 E 20883 Bolivia 20883
- E** *Puya alpicola* L.B. Smith 20883  
 E 20883 Colombia 20883
- V** *Puya angulonis* L.B. Smith 20883  
 V 20883 Peru 20883
- E** *Puya angusta* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya araneosa* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya argentea* L.B. Smith 20883  
 E 20883 Peru 20883
- V** *Puya aristeguietae* L.B. Smith 20883  
 V 20883 Venezuela 20883
- E** *Puya atra* L.B. Smith 20883, 12379  
 E 20883 Bolivia (Yungas, Cochabamba) 20883
- E** *Puya barkleyana* L.B. Smith 20883  
 E 20883 Colombia 20883
- E** *Puya bicolor* L.B. Smith 20883  
 E 20883 Colombia 20883
- E** *Puya boyacana* Cuatrecasas 20883  
 E 20883 Colombia 20883
- E** *Puya brachystachya* (Baker) Mez 20883  
 E 20883 Colombia 20883
- E** *Puya brittoniana* Baker 20883  
 E 20883 Bolivia 20883
- E** *Puya cardenasasii* L.B. Smith 20883  
 E 20883 Bolivia 20883
- E** *Puya cardonae* L.B. Smith 20883  
 E 20883 Venezuela 20883
- E** *Puya castellanosii* L.B. Smith 20883  
 E 20883 Argentina 20883
- E** *Puya cerrateana* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya chasmichensis* L.B. Smith 20883  
 E 20883 Peru 20883
- V** *Puya clava-herculis* Mez & Sodiro 20883  
 E 20883 Colombia 20883  
 E 20883 Ecuador 20883
- E** *Puya commixta* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya compacta* L.B. Smith 20883  
 E 20883 Ecuador 20883
- V** *Puya coquimbensis* Mez 15088  
 V 13875 Chile 13875
- E** *Puya coriacea* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya cristata* L.B. Smith 20883  
 E 20883 Bolivia 20883
- E** *Puya cryptantha* Cuatrecasas 20883  
 E 20883 Colombia 20883
- E** *Puya ctenorhyncha* L.B. Smith 20883  
 E 20883 Bolivia 20883
- E** *Puya cuatrecasasii* L.B. Smith 20883  
 E 20883 Colombia 20883
- E** *Puya cylindrica* Mez 20883  
 E 20883 Peru 20883
- V** *Puya dasyliroides* Standley 20883, 9097  
 V 20883 Costa Rica 20883
- R** *Puya densiflora* Harms 20883  
 R 20883 Peru 20883
- E** *Puya depauperata* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya dolichostrobila* Harms 20883  
 E 20883 Peru 20883
- R** *Puya dyckioides* (Baker) Mez 20883  
 R 20883 Argentina 20883  
 E 20883 Bolivia 20883
- V** *Puya eryngioides* André 20883  
 V 20883 Ecuador 20883
- E** *Puya exigua* Mez 20883  
 E 20883 Ecuador 20883
- V** *Puya fastuosa* Mez 20883  
 V 20883 Ecuador 20883  
 I 20883 Peru 20883
- E** *Puya ferox* Mez 20883  
 E 20883 Peru 20883
- E** *Puya ferreyrae* L.B. Smith 20883  
 E 20883 Peru 20883
- E** *Puya fiebrigii* Mez 20883  
 E 20883 Bolivia 20883
- E** *Puya floccosa* var. *compacta* L.B.  
 Smith 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Puya*

- E 20883 Venezuela 20883
- E *Puya fosteriana* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya fulgens* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya furfuracea* (Wildenow) L.B. Smith 20883  
E 20883 Colombia 20883
- E *Puya gargantae* L.B. Smith 20883  
E 20883 Colombia 20883
- E *Puya gigas* André 20883  
E 20883 Colombia 20883
- E *Puya glabrescens* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya glandulosa* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya glareosa* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya glaucovirens* Mez 20883  
E 20883 Peru 20883
- R *Puya glomerifera* L.B. Smith 20883  
R 20883 Ecuador 20883
- R *Puya goudotiana* Mez 20883  
R 20883 Colombia 20883
- E *Puya gracilis* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya grandidens* Mez 20883  
E 20883 Peru 20883
- E *Puya grantii* L.B. Smith 20883  
E 20883 Colombia 20883
- E *Puya grubbii* L.B. Smith 20883  
E 20883 Colombia 20883
- R *Puya hamata* L.B. Smith 20883  
V 20883 Colombia 20883  
V 20883 Ecuador 20883  
E 20883 Peru 20883
- E *Puya harmsii* (Castellanos) Castellanos 20883  
E 20883 Argentina 20883
- E *Puya herrerae* Hanrns 20883  
E 20883 Peru 20883
- V *Puya herzogii* Wittmack 20883  
V 20883 Bolivia 20883
- V *Puya hofstenii* Mez 20883  
I 20883 Argentina 20883  
I 20883 Bolivia 20883
- E *Puya huancavelicae* L.B. Smith 20883  
E 20883 Peru 20883
- V *Puya humilis* Mez 20883  
V 20883 Bolivia 20883
- E *Puya hutchisonii* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya iltisiana* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya isabellina* Mez 20883  
E 20883 Peru 20883
- R *Puya killipii* Cuatrecasas 20883  
V 20883 Colombia 20883  
V 20883 Venezuela 20883
- E *Puya kuntzeana* Mez 20883  
E 20883 Bolivia 20883
- E *Puya laccata* Mez 20883  
E 20883 Peru 20883
- V *Puya lanata* (Humboldt, Bonpland & Kunth) Schultes filius 20883  
V 20883 Ecuador 20883  
E 20883 Peru 20883
- E *Puya lanuginosa* (Ruiz & Pavón) Schultes filius 20883  
E 20883 Peru 20883
- R *Puya lasiopoda* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya laxa* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya lehmanniana* L.B. Smith 20883  
E 20883 Colombia 20883
- V *Puya leptostachya* L.B. Smith 20883  
I 20883 Bolivia 20883  
E 20883 Peru 20883
- V *Puya lilloi* Castellanos 20883  
E 20883 Argentina 20883
- V *Puya lineata* Mez 20883  
V 20883 Colombia 20883
- E *Puya llatensis* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya longisepala* Mez 20883  
E 20883 Peru 20883
- V *Puya longistyla* Mez 20883  
V 20883 Peru 20883
- E *Puya lopezii* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya macbridei* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya macropoda* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya macrura* Mez 20883  
E 20883 Peru 20883
- E *Puya maculata* L.B. Smith 20883  
E 20883 Ecuador 20883
- E *Puya mariae* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya medica* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya membranacea* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya meziana* Wittmack 20883  
E 20883 Bolivia 20883
- E *Puya micrantha* Mez 20883  
E 20883 Argentina 20883
- E *Puya minima* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya mitis* Mez 20883  
E 20883 Peru 20883
- E *Puya mollis* Baker ex Mez 20883  
E 20883 Bolivia 20883
- E *Puya nana* Wittmarck 20883  
E 20883 Bolivia 20883
- E *Puya nigrescens* L.B. Smith 20883  
E 20883 Peru 20883
- R *Puya nitida* Mez 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Puya*

- R 20883 Colombia 20883
- E *Puya nivalis* Baker 20883  
E 20883 Colombia 20883
- E *Puya nutans* L.B. Smith 20883  
E 20883 Ecuador 20883
- E *Puya obconica* L.B. Smith 20883  
E 20883 Ecuador 20883
- E *Puya occidentalis* L.B. Smith 20883  
E 20883 Colombia 20883
- E *Puya olivacea* Wittmack 20883  
E 20883 Bolivia 20883
- E *Puya oxyantha* Mez 20883  
E 20883 Peru 20883
- E *Puya parviflora* L.B. Smith 20883  
E 20883 Ecuador 20883
- E *Puya paupera* Mez 20883  
E 20883 Bolivia 20883
- E *Puya pearcei* (Baker) Mez 20883  
E 20883 Bolivia 20883
- E *Puya penduliflora* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya phelpsiae* L.B. Smith 20883  
E 20883 Venezuela 20883
- E *Puya pichincae* Mez & Sodiro 20883  
E 20883 Ecuador 20883
- E *Puya pitcairnioides* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya ponderosa* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya potosina* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya pratensis* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya pygmaea* L.B. Smith 20883, 9097  
E 20883 Ecuador 20883
- E *Puya pyramidata* (Ruiz & Pavón) Schultes filius 20883  
E 20883 Peru 20883
- V *Puya raimondii* Harms. 20883, 12379  
E 20883 Bolivia 20883  
E 20883 Peru 20883
- E *Puya ramosa* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya rauhii* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya reducta* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya reflexiflora* Mez 20883  
E 20883 Peru 20883
- E *Puya riparia* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya roezlii* E. Morren 20883  
E 20883 Peru 20883
- E *Puya roseana* L.B. Smith 20883  
E 20883 Ecuador 20883
- E *Puya rusbyi* (Baker) Mez 20883  
E 20883 Bolivia 20883
- E *Puya sagasteguii* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya sanctae-crucis* (Baker) L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya sanctae-martae* L.B. Smith 20883  
E 20883 Colombia 20883
- E *Puya santanderensis* Cuatrecasas 20883  
E 20883 Colombia 20883
- V *Puya santosii* var. *santosii* 20883  
V 20883 Colombia 20883
- V *Puya santosii* var. *verdensis*  
Cuatrecasas 20883  
V 20883 Colombia 20883
- E *Puya secunda* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya simulans* L.B. Smith 20883  
E 20883 Peru 20883
- V *Puya smithii* Castellanos 20883  
V 20883 Argentina 20883
- E *Puya sodiroana* Mez 20883  
E 20883 Ecuador 20883
- V *Puya solomonii* G. S. Varadarajan 20883  
I 20883 Bolivia 20883
- R *Puya spathacea* (Grisebach) Mez 20883  
R 20883 Argentina 20883
- E *Puya stenothyrsa* (Baker) Mez 20883  
E 20883 Bolivia 20883
- E *Puya stipitata* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya strobilantha* Mez 20883  
E 20883 Peru 20883
- R *Puya thomasiana* André 20883, 9097  
I 20883 Colombia 20883  
E 20883 Ecuador 20883
- E *Puya tovariana* L.B. Smith 20883  
E 20883 Peru 20883
- V *Puya trianae* Baker 20883  
V 20883 Colombia 20883
- E *Puya tristis* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya trollii* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya tuberosa* Mez 20883  
E 20883 Bolivia 20883
- E *Puya tunarensis* Mez 20883  
E 20883 Bolivia 20883
- E *Puya ugentiana* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya ultima* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya valida* L.B. Smith 20883  
E 20883 Bolivia 20883
- E *Puya vargasiana* L.B. Smith 20883  
E 20883 Peru 20883
- E *Puya venezuelana* L.B. Smith 20883  
E 20883 Venezuela 20883
- V *Puya venusta* Philippi 15088  
V 13875 Chile 13875
- V *Puya vestita* André 20883  
V 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Puya*

- E 20883 Ecuador 20883
- E** *Puya volcanensis* Castillon 20883  
E 20883 Argentina 20883
- V** *Puya weberbaueri* Mez 20883, 18200  
V 19448 Argentina 19448  
E 20883 Bolivia 20883  
V 20883 Peru 20883
- R** *Puya weberiana* E. Morren ex Mez 20883  
R 20883 Argentina 20883
- E** *Puya weddelliana* (Baker) Mez 20883  
E 20883 Bolivia 20883
- E** *Puya westii* L.B. Smith 20883  
E 20883 Peru 20883
- E** *Puya wrightii* L.B. Smith 20883  
E 20883 Peru 20883
- E** *Puya wurdackii* L.B. Smith 20883  
E 20883 Peru 20883
- E** *Puya yakespala* Castellanos 20883  
E 20883 Argentina 20883
- R** *Quesnelia imbricata* Lyman B. Smith 9097  
R Brazil - Santa Catarina 9097
- E** *Steyerbromelia diffusa* L.B. Smith, Steyermark & robinson 20883  
I 20883 Venezuela 20883
- E** *Tillandsia acuminata* L. B. Smith 20883  
E 20883 Colombia 20883
- R** *Tillandsia adamsii* R.W. Read 20883, 13336  
R 13336 Jamaica 20883
- E** *Tillandsia aequatorialis* L. B. Smith 20883  
E 20883 Ecuador 20883
- V** *Tillandsia aizoides* Gardner 14821  
V 14821 Argentina 14821
- R** *Tillandsia albertiana* Veuvorst 16228  
R 19549 Argentina 16228
- V** *Tillandsia antillana* L.B. Sm. 20883  
V 20883 Guadeloupe 20883  
V 20883 Jamaica 20883
- E** *Tillandsia argentina* C.H. Wright 14821  
E 16336 Argentina 9097  
E 20176 Argentina - Cordoba 20176  
E 20176 Argentina - Catamarca 20176  
E 20176 Argentina - Jujuy 20176  
E 20176 Argentina - La Rioja 20176  
E 20176 Argentina - Salta 20176  
E 20176 Argentina - Santiago del Estero 20176
- E** *Tillandsia atroviridipetala* Matuda 14821  
E 14821 Mexico 14821
- V** *Tillandsia baileyi* Rose ex Small 20883, 19002  
V 20850 U.S. - Texas 20850  
V 20883 Mexico 20883
- E** *Tillandsia balsasensis* Rauh 14821  
E 14821 Peru 14821
- E** *Tillandsia boliviana* Mez 20883  
E 20883 Bolivia 20883
- E** *Tillandsia bongarana* L. B. Smith 20883  
E 20883 Peru 20883
- E** *Tillandsia brachyphylla* Baker 14821  
E 14821 Brazil (Serra de Orgaos) 14821
- V** *Tillandsia brevicapsula* Gilmartin 20883  
E 20883 Ecuador 20883  
E 20883 Peru 20883
- E** *Tillandsia brevilingua* Mez ex Harms in Engler & Prantl 20883, 18200  
E 20883 Peru 20883
- V** *Tillandsia butzii* Mez 14821  
V 14821 Costa Rica 9097  
V 14821 El Salvador 9097  
V 14821 Guatemala 9097  
V 14821 Honduras 9097  
V 14821 Mexico 9097  
V 14821 Nicaragua 9097  
V 14821 Panama 9097
- E** *Tillandsia cacticola* Lyman B. Smith 14821  
E 14821 Peru 14821
- V** *Tillandsia calcicola* L.B. Sm. & Proctor 20883, 13336  
V 13336 Jamaica 20883
- E** *Tillandsia califanii* Rauh 9097  
E 14821 Mexico - Puebla 9097
- V** *Tillandsia caput-medusae* E. Morren 14821  
V 14821 Costa Rica 9097  
V 14821 El Salvador 9097  
V 14821 Guatemala 9097  
V 14821 Honduras 9097  
V 14821 Mexico 9097  
V 14821 Nicaragua 9097  
V 14821 Panama 19788
- V** *Tillandsia carlos-hankii* Matuda 9097  
V 16360 Mexico - Oaxaca 9097
- E** *Tillandsia carminea* Till 14821  
E 14821 Brazil (Serra de Orgaos) 14821
- V** *Tillandsia chiapensis* Gardner 14821  
V 14821 Mexico 14821
- E** *Tillandsia confinis* var. *caudata* L. B. Smith 20883  
E 20883 Colombia 20883
- R** *Tillandsia copanensis* Rauh & Rutschmann 14821  
R 14821 Honduras 14821
- V** *Tillandsia deppeana* Steudel 20883  
R 20883 Mexico 20883
- E** *Tillandsia dexteri* Luther 14821  
E 14821 Costa Rica 14821
- V** *Tillandsia dudleyi* L. B. Smith 20883  
V 20883 Peru 20883
- R** *Tillandsia duidae* L. B. Smith 20883  
R 20883 Venezuela 20883
- R** *Tillandsia dyeriana* Andre 9097  
R 11245 Ecuador 9097
- E** *Tillandsia edithae* Rauh 14821  
E 14821 Bolivia 14821
- E** *Tillandsia fassettii* L. B. Smith 20883  
E 20883 Colombia 20883
- I** *Tillandsia fawcettii* Mez 20883, 13336  
I 13336 Jamaica 20883
- R** *Tillandsia fendleri* var. *reducta* (L. B. Smith) L. B. Smith 20883  
E 20883 Colombia 20883  
I 20883 Ecuador 20883  
V 20883 Venezuela 20883
- E** *Tillandsia filifolia* Schldtl. & Cham. 14821  
E 14821 Belize 9097  
E 14821 Costa Rica 9097  
E 14821 Guatemala 9097  
E 14821 Honduras 9097  
E 14821 Mexico 9097

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Tillandsia*

- E 14821 Nicaragua 19788
- E *Tillandsia fuchsii* W. Till 14821  
E 14821 Guatemala 14821  
E 14821 Mexico 14821
- E *Tillandsia fusiformis* L. B. Smith 20883  
E 20883 Colombia 20883
- E *Tillandsia glauca* L.B. Smith 20883  
E 20883 Peru 20883
- E *Tillandsia grazielae* Sucre & Braga 14821  
E 14821 Brazil (Serra de Orgaos) 14821
- R *Tillandsia heteromorpha* Rauh 18200  
R 12468 Peru 18200
- V *Tillandsia heterophylla* E. Morren 20883, 9097  
V 20883 Mexico 20883
- E *Tillandsia hildae* Rauh 14821  
E 14821 Peru 14821
- E *Tillandsia hondurensis* Rauh 14821  
E 14821 Honduras 14821
- E *Tillandsia ignesia* Mez 9097  
E 14821 Mexico (oak forests, southern Mexico) 9097
- V *Tillandsia ionantha* Planchon 14821  
V 14821 Costa Rica 21207  
V 14821 El Salvador 9097  
V 14821 Guatemala 9097  
V 14821 Honduras 9097  
V 14821 Mexico 9097  
E 14821 Mexico - Chiapas 9097  
V 14821 Nicaragua 9097
- E *Tillandsia ixioides* Grisebach 14821  
E 14821 Argentina 14821  
E 14821 Bolivia 14821  
E 14821 Paraguay 14821  
E 14821 Uruguay 14821
- E II *Tillandsia kammii* Rauh 14821  
E 14821 Honduras 14821
- E II *Tillandsia kautskyi* Pereira 14821  
E 14821 Brazil 14821
- E *Tillandsia klausii* Ehlers 14821  
E 14821 Mexico - Chiapas 16396
- V *Tillandsia kruckofiana* L. B. Smith 20883  
V 20883 Bolivia 20883
- E *Tillandsia kuntzeana* Mez 20883  
E 20883 Bolivia 20883
- E *Tillandsia lajensis* André 20883, 9097  
R 19352 Colombia 9097  
E 20883 Peru 20883
- E *Tillandsia lindenii* Regel var. *lindenii* 9097  
E 18200 Peru 18200
- E *Tillandsia lineatispica* Mez 20883, 5851  
I 20883 Puerto Rico (Culebra, Viques) 20883  
I 20883 USA - Virgin Is. (St John) 20883
- E *Tillandsia lopezii* L. B. Smith 20883  
E 20883 Peru 20883
- V *Tillandsia macrodactylon* Mez 20883  
V 20883 Peru 20883
- E *Tillandsia magnusiana* Wittmack 14821  
E 14821 El Salvador 9097  
E 14821 Guatemala 9097  
E 14821 Honduras 9097  
E 14821 Mexico 9097  
E 14821 Nicaragua 9097
- E *Tillandsia matudae* Lyman B. Smith 9097  
E 14821 Guatemala 14821  
E 14821 Mexico - Chiapas 9097
- V II *Tillandsia mauryana* Lyman B. Smith 9097  
V 14821 Mexico 9097
- R *Tillandsia mexicana* Lyman B. Smith 9097  
R 19761 Mexico 9097
- V *Tillandsia muhrii* Rauh 21204  
V 14821 Argentina 14821
- V *Tillandsia mysura* Grisebach ex Baker 14821  
V 14821 Argentina 14821  
V 14821 Bolivia 14821  
V 14821 Peru 14821  
V 14821 Uruguay 14821
- E *Tillandsia nervisejala* (Gilmartin) L. B. Smith 20883, 16228  
E 20883 Ecuador (Loja) 20883
- E *Tillandsia nuptialis* Braga & Sucre 14821  
E 14821 Brazil 14821
- E *Tillandsia oropezana* L. Hromadnik 14821  
E 14821 Bolivia 14821
- V *Tillandsia ortegiana* E. Morren ex Mez 9097  
V 19850 Mexico 9097
- E *Tillandsia plagiotropica* Rohw. 9097  
E 14821 El Salvador 9097  
E 14821 Guatemala 11245
- E *Tillandsia plumosa* Baker 9097  
E 14821 Mexico (north of Oaxaca) 9097
- E *Tillandsia pomacochae* Rauh 20883  
E 20883 Peru 20883
- I *Tillandsia pretiosa* Mez. 16228  
I 19550 Ecuador 16228
- V *Tillandsia pueblensis* Lyman B. Smith var. *pueblensis* 9097  
V 19850 Mexico 9097
- E *Tillandsia pyramidata* var. *vivpara* Rauh 20883  
E 20883 Peru 20883
- R *Tillandsia rariflora* Andre 9097  
R 19352 Colombia 9097
- E *Tillandsia reclinata* Pereira & Martinelli 14821  
E 14821 Brazil (Serra de Orgaos) 14821
- E *Tillandsia reuteri* Rauh 20883  
I 20883 Colombia 20883  
E 20883 Peru 20883
- E *Tillandsia reversa* L.B. Smith 20883  
E 20883 Peru 20883
- E *Tillandsia rhodosticta* L. B. Smith 20883  
E 20883 Ecuador 20883
- R *Tillandsia rhomboidea* Andre 9097  
R 19352 Colombia 9097
- E *Tillandsia roezlii* E. Morren 20883  
E 20883 Peru 20883
- V *Tillandsia roland-gosselinii* Mez 9097  
V 19848 Mexico 19848  
V 19850 Mexico - Colima 9097  
V 19850 Mexico - Jalisco 9706
- V *Tillandsia seideliana* Pereira 14821  
V 14821 Brazil (Santa Catarina) 14821
- V *Tillandsia selleana* Harms 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Bromeliaceae: *Tillandsia*

- V 20883 Dominican Republic 20883  
E 20883 Haiti 20883  
V 20883 Jamaica 20883
- V *Tillandsia sigmoidea* L. B. Smith 20883  
V 20883 Colombia 20883
- V *Tillandsia socialis* Lyman B. Smith 9097  
V 19850 Mexico - Chiapas 9097
- E *Tillandsia somnians* L. B. Smith 20883  
E 20883 Peru 20883
- E II *Tillandsia sprengeliana* Klotzsch ex Mez 14821  
E 14821 Brazil 14821
- V *Tillandsia stenoura* var. *mauroi*  
Gilmartin 20883  
E 20883 Ecuador 20883  
E 20883 Peru 20883
- V *Tillandsia stenoura* var. *tripinnata* (L. B. Smith) L.  
B. Smith 20883  
I 20883 Ecuador 20883  
I 20883 Peru 20883
- V *Tillandsia streptophylla* Scheidw. ex Morren 14821  
V 14821 Belize 9097  
V 14821 Guatemala 9097  
V 14821 Honduras 9097  
V 14821 Mexico 9097  
V 14821 Nicaragua 19788
- E *Tillandsia subconcolor* L. B. Smith 20883  
E 20883 Peru 20883
- R *Tillandsia subteres* H. Luther 20050  
R 20050 Honduras 20050
- E II *Tillandsia sucrei* Lyman B. Smith 14821  
E 14821 Brazil 14821
- V *Tillandsia superba* Mez & Sodiro 20883  
V 20883 Ecuador 20883
- E *Tillandsia tectorum* E. Morren 14821  
E 14821 Ecuador 14821  
E 14821 Peru 14821
- R *Tillandsia trapeziformis* Mez 9097  
R 19352 Colombia 9097
- E *Tillandsia trelawniensis* Proctor 20883. 13336  
E 13336 Jamaica 20883
- I *Tillandsia truncata* Lyman B. Smith 16228  
I 19550 Ecuador 16228
- E *Tillandsia undulato-bracteata* Rauh 20883  
E 20883 Peru 20883
- R *Tillandsia walteri* Mez 20883  
E 20883 Bolivia 20883  
E 20883 Ecuador 20883  
R 20883 Peru 20883
- E *Tillandsia werdermannii* Harms 18200  
E 14821 Chile 14821  
E 9446 Peru 18200
- V *Tillandsia wurdackii* L. B. Smith 20883  
V 20883 Peru 20883
- E II *Tillandsia xerographica* Rohw. 9097  
E 14821 El Salvador 9097  
E 14821 Guatemala 9097  
E 14821 Mexico 9097
- E *Tillandsia xiphioides* Ker Gawler 11127  
E 14821 Argentina 14821  
E 14821 Bolivia 14821  
E 14821 Brazil 11127  
E 14821 Paraguay 14821
- E Uruguay 11127
- E *Tillandsia zecheri* Till 14821  
E 14821 Argentina 14821
- V *Vriesea ampla* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- V *Vriesea apiculata* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- V *Vriesea balanophora* (Mez) Lyman B. Smith &  
Pittendr. 9097  
V 9426 Costa Rica 9097
- V *Vriesea bicolor* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- I *Vriesea biguassuensis* Reitz 17079  
I 17079 Brazil - Santa Catarina (Vale do Rio Biguaçu)  
17079
- V *Vriesea bracteosa* (Mez & Werckle) Lyman B. Smith &  
Pittendr. 9097  
V 9426 Costa Rica 9097
- V *Vriesea brunei* Mez & Werckle 9097  
V 9426 Costa Rica 9097
- V *Vriesea camptoclada* Mez & Werckle 9097  
V 9426 Costa Rica 9097
- V *Vriesea discolor* (Mez & Werckle) Lyman B. Smith &  
Pittendr. 9097  
V 9426 Costa Rica 9097
- V *Vriesea dodsonii* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- R *Vriesea gibba* L.B. Sm. 20883  
R 20883 Jamaica 20883
- V *Vriesea hainesiorum* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- E *Vriesea harmsiana* (Lyman B. Smith) Lyman B.  
Smith 18200  
E 9446 Peru 18200
- E *Vriesea lancifolia* Lyman B. Smith 17008  
E 17008 Brazil - Bahia 17008
- V *Vriesea macrantha* Mez & Werckle 9097  
V 9426 Costa Rica 9097
- V *Vriesea macrochlamys* Mez & Werckle 9097  
V 9426 Costa Rica 9097
- V *Vriesea malzinei* E. Morren var. *disticha* Lyman B.  
Smith 9097  
V 19850 Mexico - Chiapas 9097
- R *Vriesea muelleri* Mez 9097  
R Brazil 9097
- V *Vriesea notata* Lyman B. Smith & Pittendr. 9097  
V 9426 Costa Rica 9097
- V *Vriesea nutans* Lyman B. Smith 9097  
V 9426 Costa Rica 9097
- E *Vriesea pinottii* Reitz 17079  
E 17746 Brazil - Parana 17079  
E 17746 Brazil - Santa Catarina 17079
- V *Vriesea rugosa* Mez & Werckle 9097  
V 9426 Costa Rica 9097
- V *Vriesea singuliflora* (Mez & Werckle) Lyman B. Smith &  
Pittendr. 9097  
V 9426 Costa Rica 9097
- R *Vriesea swartzii* Mez 20883  
R 20883 Jamaica 20883

## The 1997 IUCN Red List of Threatened Plants

### Liliopsida (monocots): Bromeliaceae: Vriesea

- V** *Vriesea tonduziana* Lyman B. Smith 9097  
 V 9426 Costa Rica 9097
- I** *Vriesea triangularis* Reitz 17079  
 I 17079 Brazil - Santa Catarina (Município de Sao Martinho) 17079
- V** *Vriesea triflora* Lyman B. Smith & Pittendr. 9097  
 V 9426 Costa Rica 9097
- R** *Vriesea triligulata* Mez 7200  
 R 7200 Brazil - Rio de Janeiro (Organ Mtns.) 7200
- R** *Vriesea vanhyingii* Lyman B. Smith 9097  
 R 19755 Mexico - Oaxaca 9097
- V** *Vriesea viridis* (Mez & Werckle) Lyman B. Smith & Pittendr. 9097  
 V 9426 Costa Rica 9097
- V** *Vriesea woodsoniana* L.B. Sm. 20883, 10747  
 V 16317 Panama 20883

## Burmanniaceae

Number of genera: 20  
 Number of species: 130  
 Recorded threatened species: 14 (10%)

Pantropical, with a few species in temperate regions.

- I** *Afrothismia pachyantha* Schltr.  
 I Cameroon (Moliwe)
- V** *Glaziocharis abei* Akasawa 11164  
 V 11164 Japan 11164
- Ex/E** *Glaziocharis machensis* Taubert ex Warm. 11306  
 Ex/E 11306 Brazil - Rio de Janeiro 11306
- R** *Gymnosiphon fawcettii* Urb. 20883, 13336  
 R 13336 Jamaica 20883
- R** *Gymnosiphon nivens* (Griseb.) Urban 10199  
 R Dominica 10199
- R** *Gymnosiphon sphaerocarpus* Urban 10199  
 R Dominica 10199
- I** *Haplothismia exanulata* Airy Shaw  
 I India - Kerala (Travancore; Cochin)
- I** *Oxygyne triandra* Schltr.  
 I Cameroon (Moliwe)
- Ex/E** *Thismia americana* N.E. Pfeiffer 20850, 14662  
 Ex 20850 U.S. - Illinois 20850
- Ex/E** *Thismia caudata* P. Maas & Maas 10118  
 Ex/E 10118 Brazil - Rio de Janeiro 10118
- I** *Thismia gardneriana* Hook.f. ex Thwaites 8021  
 I 16162 Sri Lanka (Kuruwita, Ratnapura) 8021
- Ex/E** *Thismia macahensis* (Miers) F. Muell. 10118  
 Ex/E 11306 Brazil - Rio de Janeiro (Organ Mtns.) 10118
- I** *Thismia mirabilis* K. Larsen 19120  
 I 19120 Thailand (Khao Yai) 19120
- Ex/E** *Triscyphus fungiformis* Taubert ex Warm. 11306  
 Ex/E 11306 Brazil (Ato Mache, Organ Mtns.) 11306

## Calectasiaceae

Number of genera: 1  
 Number of species: 1  
 Recorded threatened species: 1 (100%)

Australia.

- V** *Calectasia arnoldii* K.Dixon ms. 20681  
 V 20681 Australia - Western Australia 20681

## Cannaceae

Number of genera: 1  
 Number of species: 50  
 Recorded threatened species: 1 (2%)

Tropical and subtropical New World.

- V** *Canna pertusa* Urban 20883, 20850, 10197  
 I 20850 U.S. - Florida 20850  
 I 20883 Puerto Rico 20883

## Centrolepidaceae

Number of genera: 4  
 Number of species: 35  
 Recorded threatened species: 6 (17%)

Australia; Southeast Asia; Pacific Islands; southernmost South America; mostly in nutrient-poor soils.

- V** *Centrolepis caespitosus* D.Cooke 20681, 14223  
 V 20681 Australia - Western Australia 14223
- R** *Centrolepis muscoides* (Hook.f.) Hieron. 20681  
 R 20681 Australia - Tasmania 20681
- V** *Centrolepis paludicola* W.M.Curtis 20681  
 V 20681 Australia - Tasmania 20681
- E** *Centrolepis pedderensis* W.M.Curtis 20681  
 E 20681 Australia - Tasmania 20681
- R** *Centrolepis pulvinata* (R.Br.) Roemer & Schultes 20681  
 R 20681 Australia - Tasmania 20681
- R** *Gaimardia amblyphylla* W.M.Curtis 20681  
 R 20681 Australia - Tasmania 20681

## Colchicaceae

Number of genera: 16  
 Number of species: 106  
 Recorded threatened species: 34 (32%)

Widespread in Old World.

- R** *Androcymbium cruciatum* U. & D.Müll.-Doblies 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Androcymbium europaeum* (Lange) K.Richt. 8000, 20171  
 E 19818 Spain (Almeria) 8000
- R** *Androcymbium hensenianum* U. & D.Müll.-Doblies 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Androcymbium hierrensii* Santos 20750  
 V 20750 Spain - Canary Is. 20750
- R** *Androcymbium poeltianum* U. & D.Müll.-Doblies 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Androcymbium psammophilum* Svent. 20750  
 V 20750 Spain - Canary Is. 17891
- E** *Androcymbium rechingeri* Greuter 8000, 20171  
 E 20730 Greece - Crete (island of Elaphonisos) 8000  
 E 19121 Libya 19121
- R** *Androcymbium villosum* U. & D.Müll.-Doblies 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Colchicum baytopiorum* C.D. Brickell 12840  
 R 12840 Turkey 12840
- V** *Colchicum borisii* Stef. 8000, 20171  
 V 5204 Bulgaria (South Bulgaria - one site only.)

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Colchicaceae: *Colchicum*

5204

- R** *Colchicum bornmuelleri* Freyn 12840  
**R** 12840 Turkey 12840
- R** *Colchicum cornigerum* (Schweinf.) Tackh. & Drar 10269  
**R** Egypt 10269
- V** *Colchicum corsicum* Baker 15080, 20171  
**E** 20528 France - Corsica 20528  
**V** 19174 Italy - Sardinia 15080
- V** *Colchicum cousturierei* Greuter 8000, 20171  
**V** 20730 Greece - Crete 8000
- V** *Colchicum davidovii* Stef. 8000, 20171  
**V** 5204 Bulgaria (east) 5204
- R** *Colchicum diampolis* Delip. et Ceschum. 5204, 20171  
**R** 5204 Bulgaria (east) 5204
- I** *Colchicum fominii* Bordz. 8000, 20171  
**V** 19949 Romania 8000  
**I** 5942 Moldova 5942  
**I** 5942 Ukraine 5942
- R** *Colchicum macedonicum* Kosanin 20171  
**R** (former) Yugoslavia
- V** *Colchicum micranthum* Boiss. 12840, 20171  
**V** 19873 Turkey (Istanbul) 12840
- R** *Colchicum pieperanum* Markgr. 20178, 20171  
**R** 20178 Albania 20178
- R** *Colchicum rhodopaeum* Kov. 5204, 20171  
**R** 5204 Bulgaria (Southern Bulgaria - one site only .)  
 5204
- V** *Iphigenia magnifica* Ansari & R. Rao 11494  
**V** 11494 India - Karnataka 11494  
**V** 11494 India - Maharashtra 11494
- R** *Iphigenia novae-zelandiae* (Hook.f.) Baker 19305  
**R** 19305 New Zealand - North Is. 19305  
**R** 19305 New Zealand - South Is. 19305
- E** *Iphigenia sahyadrica* Ansari & R. Rao 11494  
**E** 11494 India - Karnataka (Halial, Hulical)  
 11494
- V** *Iphigenia stellata* Blatter 11494  
**V** 11494 India - Maharashtra (Satara & Kolhapur  
 District) 11494
- R** *Merendera androcymbioides* Valdés 20171  
**R** 20660 Spain (Cádiz, Málaga, Córdoba) 11496
- R** *Merendera rhodopaea* Velen. 5204, 20171  
**R** 5204 Bulgaria (Southern Bulgaria - two sites.)  
 5204
- R** *Ornithoglossum gracile* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithoglossum parviflorum* B.Nord. var. *namaquense*  
 B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Wurmbea calcicola* T.D.Macfarlane 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Wurmbea compacta* B.Nord. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Wurmbea drummondii* Benth. 20681  
**R** 20681 Australia - Western Australia 20681
- R** *Wurmbea murchisoniana* T.D.Macfarlane 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Wurmbea tubulosa* Benth. 20681  
**V** 20681 Australia - Western Australia 20681

**Commelinaceae**

Number of genera: 50  
 Number of species: 700  
 Recorded threatened species: 29 (4%)

Tropical, subtropical and warmer temperate.

- I** *Aetheolirion stenolobium* Forman  
**I** Thailand
- I** *Aneilema ochraceum* Dalz.  
**I** India - Karnataka  
**I** India - Kerala (Quilon)
- E** *Belosynapsis kewensis* Hassk. 11494  
**E** 11494 India - Tamil Nadu (Tinnevely & Kanyakumari)  
 11494
- V** *Belosynapsis vivipara* (Dalz.) Sprague &  
 Fischer 11494  
**V** 11494 India - Karnataka 11494  
**V** 11494 India - Maharashtra 11494  
**V** India - Tamil Nadu 9998
- R** *Callisia micrantha* (Torr.) D.R. Hunt 20850  
**R** 20850 U.S. - Texas 20850
- R** *Cartonema brachyantherum* Benth. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Commelina hirsuta* (Wight) C.B. Clarke 11494  
**R** 11494 India - Tamil Nadu (Nilgiri & Pulney Hills)  
 11494
- R** *Commelina indehiscens* Barnes 14782  
**R** 14782 India - Karnataka 14782  
**R** 14782 India - Kerala 14782  
**R** 14782 India - Tamil Nadu 14782
- R** *Commelina mina* Y.N. Lee & Oh.Y.  
**R** Korea, South
- E** *Commelina rupicola* Font Quer 5399  
**E** 5399 Morocco (Southwest of the city of Ifni.)  
 5399
- I** *Commelina subulata* Roth  
**I** India (Deccan hills)
- V** *Commelina tricolor* Barnes 11494  
**V** 11494 India - Tamil Nadu (Karadimalais) 11494
- V** *Commelina wightii* R. Rao 11494  
**V** 11494 India - Tamil Nadu (Nilgiri & Pulney Hills)  
 11494
- R** *Cyanotis burmanniana* Wight 13883  
**R** 13883 India - Kerala (Malabar) 13883
- I** *Cyanotis cerifolia* Rolla Rao et Kammathy 13883  
**I** 13883 India - Tamil Nadu 13883
- I** *Cyanotis obtusa* (Trimen) Trimen 10252  
**I** 16162 Sri Lanka 10252
- I** *Cyanotis vaginata* Wight  
**I** India - Kerala (Malabar)
- R** *Dictyospermum ovalifolium* Wight 11494  
**R** India - Karnataka 9998  
**R** 11494 India - Kerala (Thenmalai) 11494  
**R** 11494 India - Maharashtra (Koncan) 11494
- V** *Murdannia lanceolata* (Wight) Kammathy 11494  
**V** 11494 India - Kerala 11494  
**V** 11494 India - Tamil Nadu 11494
- R** *Murdannia lanuginosa* (wall. ex Clarke) Bruckn. 13883  
**R** 13883 India 13883
- I** *Murdannia versicolor* (Dalz.) Bruckner  
**I** India - Karnataka (Concan)



## The 1997 IUCN Red List of Threatened Plants

### Liliopsida (monocots): Commelinaceae: *Murdannia*

- I** *Palisota orientalis* Schumann 5926  
**I** 5926 Tanzania (Usambaras & Nguru mts) 5926
- E** *Pollia americana* Faden 20883, 10747  
**I** 20883 Panama 20883
- I** *Pollia pentasperma* C.B. Clarke 11494  
**I** 11494 India - Assam (Lushai hills) 11494  
**I** 11494 India - Meghalaya (Shillong) 11494  
**I** 11494 India - Nagaland (Kohima, Naga hills) 11494
- Ex** *Sauvallea blainii* C. Wright 5607  
**Ex** 19105 Cuba (Pinar del Rio) 5607
- R** *Streptolirion elegans* Chertif. 6057  
**R** Vietnam 6057
- V** *Tradescantia ozarkana* E.S. Anderson & Woods. 20850  
**R** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Missouri 20850  
**E** 20850 U.S. - Oklahoma 20850
- R** *Tradescantia pedicellata* Celarier 20850  
**R** 20850 U.S. - Texas 20850
- I** *Triceratella drummondii* Brenan 7755  
**I** Zimbabwe 7755
- V** *Tripogandra elata* D.R. Hunt 19561  
**V** 19561 Brazil - Distrito Federal 19561  
**V** 19561 Brazil - Goias 19561

### Convallariaceae

Number of genera: 25  
 Number of species: 172  
 Recorded threatened species: 25 (14%)

Predominantly North temperate.

- R** *Disporum parvifolium* (S.Watson) Britt. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Kuntheria pedunculata* (F.Muell.) Conran & Cliff. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Maianthemum gigas* (Woodson) LaFrankie var. *crassipes* (Standley & Steyererm.) LaFrankie 9775  
**R** 9775 Guatemala 9775  
**R** 9775 Mexico - Chiapas 9775
- R** *Maianthemum macrophyllum* (Martens & Galeotti) LaFrankie 9775  
**R** 9775 Mexico - Veracruz 9775
- E** *Maianthemum paludicola* LaFrankie 9775  
**E** Costa Rica 9775
- Ex/E** *Maianthemum salvinii* (Baker) LaFrankie 9775  
**Ex/E** 9775 Guatemala 9775
- I** *Ophiopogon intermedius* Don var. *gracilipes* Hook.f.  
**I** India - Tamil Nadu (Nilgiri Hills)
- R** *Ophiopogon tonkinensis* Rodriguez 6057  
**R** 20985 Vietnam 6057
- I** *Peliosanthes courtallensis* Wight  
**I** India - Tamil Nadu
- R** *Polygonatum cryptanthum* Lev. & Van. 11164  
**R** 11164 Japan 11164
- V** *Polygonatum desoulavyi* Komar. var. *azegamii* Ohwi 11164  
**V** 11164 Japan 11164
- V** *Polygonatum domonense* Satake 11164

**V** 11164 Japan 11164

- I** *Polygonatum graminifolium* Hook.  
**I** India (W. Himalaya)
- V** *Polygonatum miserum* Satake 11164  
**V** 11164 Japan 11164
- I** *Smilacina fusca* Wallich  
**I** India - Meghalaya
- R** *Smilacina japonica* A.Gray var. *robusta* (Makino & Honda) Ohwi 11164  
**R** 11164 Japan 11164
- V** *Streptopus roseus* var. *roseus* 20850  
**I** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Pennsylvania 20850  
**R** 20850 U.S. - Tennessee 20850  
**I** 20850 U.S. - Virginia 20850  
**I** 20850 U.S. - West Virginia 20850
- R** *Tricyrtis dilatata* Nakai 15957  
**R** 15923 Korea, South (Mt Paekyang, Mt Halla, Mt Chiri, Kwangn Anmyon Isl.) 15957
- R** *Tricyrtis flava* Maxim. 11164  
**R** Japan (Osuzu Mts) 11169
- V** *Tricyrtis ishiiana* (Kitag. & T. Koy.) Ohwi & Okuy. var. *ishiiiana* 11169  
**V** Japan (Tanzawa Mts, Sagami Prov.) 11169
- V** *Tricyrtis ishiiana* (Kitag. & T. Koy.) Ohwi & Okuy. var. *surugensis* Yamaz. 11169  
**V** Japan (Mt Tenjingadake, Suruga) 11169
- V** *Tricyrtis macranthopsis* Masam. 11164  
**V** Japan (Kii) 11169
- R** *Tricyrtis ohsumensis* Masam. 11164  
**R** 11164 Japan 11164
- R** *Tricyrtis ovatifolia* Ying 20511  
**R** 20511 Taiwan (Layi Hsiang, Pingtung) 20511
- V** *Tricyrtis perfoliata* Masam. 11164  
**V** Japan (Osuzu Mts) 11169
- R** *Tupistra grandia* Ridley  
**R** Malaysia R - Peninsular Malaysia

### Costaceae

Number of genera: 4  
 Number of species: 150  
 Recorded threatened species: 17 (11%)

Pantropical, especially New World.

- V** *Costus cordatus* Maas 9660  
**V** 11306 Colombia 9660
- V** *Costus cupreifolius* Maas 9660  
**V** 11306 Colombia 9660
- R** *Costus curcumoides* Maas 18176  
**R** 11306 French Guiana 18176
- R** *Costus cuspidatus* (Nees & Martius) Maas 17079  
**R** 17746 Brazil - Bahia 17079  
**R** 17746 Brazil - Espirito Santo 17746  
**R** 17746 Brazil - Rio de Janeiro 17079
- R** *Costus fragilis* Maas 17079  
**R** 17079 Brazil - Pará 17079
- R** *Costus fusiformis* Maas 17079  
**R** 17079 Brazil - Pará 17079
- R** *Costus geothyrsus* Schumann 11306  
**R** 11306 Ecuador 11306

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Costaceae: *Costus*

- R** *Costus leucanthus* Maas 19352  
**R** 11306 Colombia 11306  
**R** 11306 Ecuador 11306
- R** *Costus montanus* Maas 9660  
**R** 11306 Costa Rica 9660
- V** *Costus plowmanii* Maas 19352  
**V** 11306 Colombia 9660
- R** *Costus productus* Gleason ex Maas var. *productus* 18200  
**R** 11306 Peru 18200
- V** *Costus productus* Gleason ex Maas var. *strigosus* (Maas) Maas 19352  
**V** 11306 Colombia 9660
- V** *Costus quasi-appendiculatus* Woodrow ex. Maas 10125  
**V** 11306 Bolivia 11306
- V** *Costus stenophyllus* Standley & L.O. Williams 9660  
**V** 11306 Costa Rica 9660
- E** *Costus vinosus* Maas 20883, 9660  
**R** 9429 Panama 20883
- V** *Costus zamoranus* Steyerl. 10125  
**V** 11306 Ecuador 10125
- V** *Costus zingiberoides* J.F. Macbr. 18200  
**V** 11306 Peru 18200
- V** *Monocostus uniflorus* (Poepping ex O.G. Petersen) Maas 18200  
**V** 11306 Peru 18200

**Cyanastraceae**

Number of genera: 1  
 Number of species: 4-7  
 Recorded threatened species: 1 (16%)

Forests of tropical Africa.

- I** *Cyanastrum johnstonii* Bak. var. *cuneifolium* Carter 5926  
**I** 5926 Tanzania 5926

**Cyclanthaceae**

Number of genera: 11  
 Number of species: 180  
 Recorded threatened species: 6 (3%)

Tropical America.

- E** *Asplundia ferruginea* Grayum & Hammel 20883  
**I** 20883 Costa Rica 20883
- I** *Asplundia insignis* (Duchass) Harl. ex Griseb. 10199  
**I** Dominica 10199
- R** *Dianthoveus cremnophilus* Hammel & Wilder 20883  
**I** 20883 Colombia 20883  
**I** 20883 Ecuador 20883
- I** *Dicranopygium insulare* (Gleason) Harling 5932  
**I** 5932 Trinidad & Tobago (Tobago) 5932
- E** *Sphaeradenia carrilloana* Grayum & Hammel 20883  
**I** 20883 Costa Rica 20883
- R** *Sphaeradenia irazuensis* (Cuf.) Harling 10545  
**R** 10545 Costa Rica 10545

**Cyperaceae**

Number of genera: 70  
 Number of species: 4,000  
 Recorded threatened species: 280 (7%)

Cosmopolitan, most abundant in temperate regions.

- R** *Afrotrilepis jaegeri* Raynal 7926  
**R** Sierra Leone 7926
- V** *Baumea complanata* (Benggren) Blake 86  
**V** 19305 New Zealand - North Is. (Ngawha, Northland) 10794
- R** *Baumea veillonis* Raynal 20893  
**R** 20893 New Caledonia 20893
- R** *Bulbostylis lichtensteiniana* (Kunth) C.B. Clarke 18996  
**R** 18996 St Helena 18996
- I** *Bulbostylis mozambica* Raym.  
**I** Mozambique
- Ex** *Bulbostylis neglecta* (Hemsley) C.B. Clarke 18996  
**Ex** 18996 St Helena 18996
- E** *Calyptrocarya delascioi* Davide & Kral 20883  
**I** 20883 Venezuela 20883
- E** *Calyptrocarya montesii* Davide & Kral 20883  
**I** 20883 Venezuela 20883
- Ex** *Carex aboriginum* M.E. Jones 20850, 14662  
**I** 20850 Canada - British Columbia 20850  
**Ex** 20850 U.S. - Idaho 20850
- E** *Carex albida* Bailey 20850  
**E** 20850 U.S. - California 20850
- V** *Carex amplexens* Mackenzie 20850  
**I** 20850 U.S. - California 20850
- R** *Carex amplisquama* F.J. Herm. 20850  
**R** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Carex annulata* Kuk.  
**R** 7771 China - Xizang Zizhiqu (Karakorum) 7771  
**I** India - Jammu & Kashmir 7771
- V** *Carex arapahoensis* Clokey 20850  
**I** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- V** *Carex atroviridis* Ohwi 11164  
**V** 11164 Japan 11164
- E** *Carex austromexicana* Reznicek 20883, 11379  
**I** 20883 Mexico 20883
- V** *Carex baltzellii* Chapman ex Dewey 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Mississippi 20850
- R** *Carex bermudiana* Hemsley 2897  
**R** 2897 Bermuda 2897
- V** *Carex berteroniana* Steudel 19116  
**V** 19125 Chile - Juan Fernandez Is. 19116
- V** *Carex bicknellii* F.J. Herm. var. *opaca* F.J. Herm. 20850  
**V** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - Missouri 20850
- R** *Carex biltmoreana* Mackenzie 20850  
**E** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - North Carolina 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Carex*

- E 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Virginia 20850
- I** *Carex borii* Nelmex  
I India - Himachal Pradesh  
I India - Jammu & Kashmir
- R** *Carex brassii* Nelmex 7849  
R Malawi 7849
- R** *Carex bromoides* Willd. var. *montana*  
Naczi 20850  
I 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
I 20850 U.S. - Virginia 20850
- E** *Carex brunnipes* Reznicek 20883, 11383  
I 20883 Guatemala 20883  
I 20883 Mexico 20883
- V** *Carex calderae* A. Hansen 17530  
V 19174 Spain - Canary Is. 19174
- V** *Carex camposii* Boiss. & Reut. 17781, 20171  
V 8322 Portugal 11496  
V 11496 Spain (Sierra Nevada) 11496
- V** *Carex canariensis* Kukenthall  
V Spain - Canary Is.
- I** *Carex cataphyllodes* Nelmex 19120  
I 19120 Thailand 19120
- R** *Carex chapmanii* Steud. 20850  
V 20850 U.S. - Florida 20850  
R 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Virginia 20850
- V** *Carex chihuahuensis* Mackenzie 20850  
I 20850 U.S. - Arizona 20850
- V** *Carex chinoi* Ohwi & T. Koyama 11164  
V 11164 Japan 11164
- I** *Carex christii* Arn. ex Boeckeler  
I India - Tamil Nadu (Nilgiri Hills)
- R** *Carex cilicica* Boiss. ssp. *muglaica* O.  
Nilson 12840  
R 12840 Turkey 12840
- R** *Carex cilicica* Boiss. ssp. *muratica* O.  
Nilson 12840  
R 12840 Turkey 12840
- R** *Carex cochinchinensis* Raym. 6057  
R Vietnam 6057
- R** *Carex condonii* Bailey 20850  
I 20850 U.S. - California 20850
- V** *Carex cretica* Gradst. & J.Kern 8000, 20171  
V 20808 Greece - East Aegean Is 20808
- R** *Carex cubensis* Kuk. 5607  
R 19105 Cuba (Santiago de Cuba) 5607
- R** *Carex curatorum* Stacey 20850  
E 20850 U.S. - Arizona 20850  
E 20850 U.S. - Utah 20850
- V** *Carex davyi* Mackenzie 20850  
I 20850 U.S. - California 20850
- E** *Carex diana* Steudel 18996  
E 18996 St Helena 18996
- R** *Carex doenitzii* Bocklr. var. *okuboii* (Franch.)  
Kukenth 11164  
R 11164 Japan 11164
- V** *Carex durieui* Steud. 20171
- V 20076 Portugal (north-west) 8000  
V 14155 Spain (north-west) 8000
- I** *Carex enysii* Petrie  
I New Zealand - South Is.
- R** *Carex eriocarpa* Hausskn. Kuk. 12840  
R 12840 Turkey 12840
- E** *Carex feanii* F. Brown  
E French Polynesia - Marquesas Is
- R** *Carex fimbriata* Schkuhr 20171  
V 20528 France (Alps) 20528  
R 20528 Italy 20528  
R 18154 Switzerland 18154
- V** *Carex fissa* Mackenzie 20850  
I 20850 U.S. - Arkansas 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Kansas 20850  
I 20850 U.S. - Louisiana 20850  
I 20850 U.S. - Mississippi 20850  
I 20850 U.S. - Missouri 20850  
V 20850 U.S. - Oklahoma 20850
- E** *Carex flexirostris* Reznicek 20883, 11383  
I 20883 Mexico 20883  
? Mexico - Oaxaca 11383
- R** *Carex fusanensis* Ohwi 15957  
R 15923 Korea, South (Pusan, Masan) 15957
- I** *Carex fuscifructus* C.B. Clarke 11494  
I 11494 India - Assam (Makum forests, Lakhimpur) 11494
- R** *Carex gifuensis* Franch. 11164  
R 11164 Japan 11164
- R** *Carex hachijoensis* Akiy. 11164  
R 11164 Japan 11164
- R** *Carex hashimotoi* Ohwi 11164  
R 11164 Japan 11164
- V** *Carex hirtissima* W. Boott 20850  
I 20850 U.S. - California 20850
- E** *Carex humahuacaensis* Wheeler 20883  
I 20883 Argentina 20883
- V** *Carex idaea* Greuter Matthäs & Risse 20730  
V 20730 Greece - Crete 20730
- V** *Carex idaho* Bailey 20850  
Ex/E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850
- E** *Carex impressinervia* Bryson, Kral & Manhart 20850  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
E 20850 U.S. - North Carolina 20850
- V** *Carex impura* Ohwi 11164  
V 11164 Japan 11164
- R** *Carex incurviformis* Mackenzie var. *danaensis*  
(Stacey) F.J. Herm. 20850  
V 20850 U.S. - California 20850  
I 20850 U.S. - Colorado 20850  
E 20850 U.S. - Montana 20850  
V 20850 U.S. - Wyoming 20850
- E** *Carex inopinata* V. Cook 86  
E 19305 New Zealand - South Is. 19305
- E** *Carex ixtapalucensis* Reznicek 20883, 11383  
I 20883 Mexico 20883  
E 11383 Mexico - Mexico State 11383
- V** *Carex juniperorum* Catling, Reznicek, and Crins 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Carex*

- E 20850 Canada - Ontario 20850  
 E 20850 U.S. - Kentucky 20850  
 E 20850 U.S. - Ohio 20850
- I** *Carex kingiana* Clarke 13883  
 I 13883 India - Sikkim 13883
- I** *Carex kirkii* Petrie  
 I New Zealand - South Is.
- R** *Carex kirkii* Petrie ssp. *elatio* 19305  
 R 19305 New Zealand - South Is. 19305
- R** *Carex kucyniakii* Raym. 6057  
 R Vietnam 6057
- R** *Carex latebracteata* Waterfall 20850  
 R 20850 U.S. - Arkansas 20850  
 V 20850 U.S. - Oklahoma 20850
- V** *Carex lenticularis* Michaux var. *dolia* (M.E. Jones)  
 L.A. Standley 20850  
 I 20850 Canada - Alberta 20850  
 I 20850 Canada - British Columbia 20850  
 I 20850 Canada - Yukon Territory 20850  
 V 20850 U.S. - Alaska 20850  
 E 20850 U.S. - Montana 20850
- R** *Carex luzulina* Olney var. *atropurpurea*  
 Dorn 20850  
 I 20850 U.S. - Montana 20850  
 V 20850 U.S. - Wyoming 20850
- R** *Carex malaccensis* C.B. Clarke  
 R Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- V** *Carex malato-belizii* Raymond 17891  
 V Portugal - Madeira 17891
- V** *Carex manhartii* Bryson 20850  
 V 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 V 20850 U.S. - Tennessee 20850
- R** *Carex markgrafii* Kük. 20178, 20171  
 R 20178 Albania 20178
- R** *Carex mayebarana* Ohwi 11164  
 R 11164 Japan 11164
- E** *Carex mcvaughii* Reznicek 20883, 11379  
 I 20883 Mexico 20883
- V** *Carex misandroides* Fern. 20850  
 E 20850 Canada - Newfoundland 20850  
 E 20850 Canada - Quebec 20850
- R** *Carex misera* Buckl. 20850  
 E 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - Tennessee 20850
- E** *Carex moorei* Wheeler 20883  
 I 20883 Argentina 20883  
 I 20883 Chile 20883
- V** *Carex morrowii* Boott var. *laxa*  
 Ohwi 11164  
 V 11164 Japan 11164
- R** *Carex munroi* Boott ex C.B. Clarke 11494  
 R 7771 India - Himachal Pradesh (Kinnaur) 11494
- E** *Carex myosurus* Nees. var. *oraestans* (C.B. Clarke)  
 Kük.  
 E India - Uttar Pradesh
- R** *Carex neesiana* Endl. 19108  
 R 19108 Australia - Norfolk Is. 14288
- R** *Carex nelsonii* Mackenzie 20850  
 I 20850 U.S. - Colorado 20850
- I** 20850 U.S. - Montana 20850  
 V 20850 U.S. - Utah 20850  
 V 20850 U.S. - Wyoming 20850
- R** *Carex neo-petelotii* Raym. 6057  
 R Vietnam 6057
- I** *Carex niigatensis* Ohwi 11164  
 I 11164 Japan 11164
- V** *Carex obispoensis* Stacey 20850  
 V 20850 U.S. - California 20850
- R** *Carex okamotoi* Ohwi 15957  
 R 15923 Korea, South (Mt Chiri, Mt Choryong) 15957
- R** *Carex omurae* T. Koyama 11164  
 R 11164 Japan 11164
- R** *Carex oreocharis* Holm 20850, 19002  
 I 20850 U.S. - Arizona 20850  
 E 20850 U.S. - Colorado 20850  
 I 20850 U.S. - New Mexico 20850  
 E 20850 U.S. - Wyoming 20850
- V** *Carex oronensis* Fern. 20850  
 V 20850 U.S. - Maine 20850
- R** *Carex oshimensis* Nakai 11164  
 R 11164 Japan 11164
- E** *Carex oxylepis* J.K. Underwood var. *pubescens* J.K.  
 Underwood 20850, 19002  
 I 20850 U.S. - Arkansas 20850  
 I 20850 U.S. - Kentucky 20850  
 E 20850 U.S. - Tennessee 20850
- E** *Carex paucifructus* Mackenzie 20850, 10260  
 E 20850 U.S. - California 20850
- R** *Carex paupera* Nelves 20681  
 R 20681 Australia - Victoria 20681
- V** *Carex perglobosa* Mackenzie 20850  
 I 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Utah 20850
- E** *Carex perraudieriana* Gay ex Bornm. 20750  
 E 20750 Spain - Canary Is. 20750
- R** *Carex phaeodon* T. Koyama 11164  
 R 11164 Japan 11164
- V** *Carex polymorpha* Muhl. 20850  
 E 20850 U.S. - Connecticut 20850  
 Ex/E 20850 U.S. - Delaware 20850  
 E 20850 U.S. - Maine 20850  
 Ex/E 20850 U.S. - Maryland 20850  
 E 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New Hampshire 20850  
 E 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 E 20850 U.S. - Pennsylvania 20850  
 E 20850 U.S. - Rhode Is. 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850
- R** *Carex porrecta* Reznicek & Camelbeke 21250  
 R 21250 Costa Rica 21250  
 R 21250 Colombia 21250  
 R 21250 Ecuador 21250  
 R 21250 Venezuela 21250
- I** *Carex pseudoaperta* Kük. 11494  
 I 11494 India - Tamil Nadu (Nilgiri Hills) 11494
- R** *Carex raleighii* Nelves 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Tasmania 20681  
 I 20681 Australia - Victoria 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Carex*

- I** *Carex rara* Boott  
**I** India - Assam  
**I** India - Meghalaya
- E** *Carex rariflora* (Wahl.) Sm. var. *androgyna*  
 Porsild 20850, 6796  
**E** 20850 Canada - Mackenzie 20850
- Ex** *Carex repanda* C.B. Clarke 11494  
**Ex** 11494 India - Meghalaya (Cherrapunji; Shillong)  
 11494
- E** *Carex roanensis* F.J. Herm. 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Tennessee 20850
- R** *Carex rufina* Drej. 20850, 14360, 20171  
**I** 20850 Canada - Manitoba 20850  
**E** 20850 Canada - Keewatin 20850  
**V** 20850 Canada - Quebec 20850
- R** *Carex ruthii* Mackenzie 20850  
**V** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**R** 20850 U.S. - Virginia 20850
- R** *Carex scabriuscula* Mackenzie 20850  
**R** 20850 U.S. - Oregon 20850
- R** *Carex schweinitzii* Dewey ex Schwein. 20850  
**R** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - Connecticut 20850  
**I** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Massachusetts 20850  
**R** 20850 U.S. - Michigan 20850  
**I** 20850 U.S. - New Jersey 20850  
**V** 20850 U.S. - New York 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Pennsylvania 20850  
**I** 20850 U.S. - Tennessee 20850  
**E** 20850 U.S. - Vermont 20850  
**E** 20850 U.S. - Virginia 20850  
**E** 20850 U.S. - Wisconsin 20850
- R** *Carex scitaeformis* Kuk. 11164  
**R** 11164 Japan 11164
- R** *Carex siroumensis* Koidz. 11164  
**R** 11164 Japan 11164
- R** *Carex socialis* Mohlenbrock & Schwegm. 20850  
**I** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Arkansas 20850  
**I** 20850 U.S. - Georgia 20850  
**R** 20850 U.S. - Illinois 20850  
**V** 20850 U.S. - Indiana 20850  
**R** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Mississippi 20850  
**I** 20850 U.S. - Missouri 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Oklahoma 20850  
**I** 20850 U.S. - South Carolina 20850  
**V** 20850 U.S. - Tennessee 20850
- V** *Carex specuicola* J.T. Howell 20850, 14581  
**V** 20850 U.S. - Arizona (Navajo Indian Reservation)  
 20850  
**E** 20850 U.S. - Utah 20850
- R** *Carex subcernua* Ohwi 11164  
**R** 11164 Japan 11164
- I** *Carex taprobanensis* T. Koyama 8021  
**I** 16162 Sri Lanka (Bible Rock, Kegalle Dist.)  
 8021
- R** *Carex tashiroana* Ohwi 11164  
**R** 11164 Japan 11164
- R** *Carex tenuior* T. Koyama & Chuang 11164  
**R** 11164 Japan 11164
- V** *Carex tompkinsii* J.T. Howell 20850  
**V** 20850 U.S. - California 20850
- E** *Carex toroensis* G. Wheeler 20883  
**I** 20883 Chile 20883
- R** *Carex tsushimensis* (Ohwi) Ohwi 11164  
**R** 11164 Japan 11164
- R** *Carex tuberculata* Liebm. 9674  
**R** 11383 Mexico - Mexico State 9674  
**R** 11383 Mexico - Puebla 9674
- V** *Carex tumidula* Ohwi 11164  
**V** 11164 Japan 11164
- R** *Carex vallis-pulchrae* Philippi 20883  
**I** 20883 Argentina 20883  
**I** 20883 Chile 20883
- V** *Carex vallis-pulchrae* var. *barrosiana* G.  
 Wheeler 20883  
**I** 20883 Argentina 20883  
**I** 20883 Chile 20883
- I** *Carex vicinalis* Boott 11494  
**I** 11494 India - Tamil Nadu (Nilgiri Hills)  
 11494
- E** *Carex viridula* Michx. var. *saxillitoralis* (A.  
 Robertson) Crins 20850, 14366  
**E** 20850 Canada - Newfoundland (Island) 20850  
**E** 20850 Canada - Nova Scotia 20850
- Ex/E** *Carex wahuensis* C.A.Mey ssp. *herbstii* T.  
 Koyama 20850, 14209  
**Ex/E** 20850 U.S. - Hawaii 20850
- R** *Carex whitneyi* Olney 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Carex wiegandii* Mackenzie 20883, 20850, 19002  
**I** 20850 Canada - Labrador 20850  
**I** 20850 Canada - New Brunswick 20850  
**I** 20850 Canada - Newfoundland 20850  
**I** 20850 Canada - Nova Scotia 20850  
**E** 20850 Canada - Ontario 20850  
**I** 20850 Canada - Prince Edward Is. 20850  
**V** 20850 Canada - Quebec 20850  
**I** 20883 France - St Pierre & Miquelon 20883  
**V** 20850 U.S. - Maine 20850  
**E** 20850 U.S. - Massachusetts 20850  
**E** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - New Hampshire 20850  
**I** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - New York 20850  
**V** 20850 U.S. - Pennsylvania 20850  
**Ex/E** 20850 U.S. - Vermont 20850
- I** *Carex wightiana* Nees  
**I** India - Kerala (Travancore)  
**I** India - Tamil Nadu (Courtallum Hills)
- V** *Carex yakusimensis* Masam. 11164  
**V** 11164 Japan 11164
- E** *Chorizandra gigantea* Raynal  
**E** New Caledonia
- R** *Cyperus appendiculatus* (Brongn.) Kunth var.  
*appendiculatus* 14222  
**R** 19213 Ascension Is. 14222
- Ex/E** *Cyperus auriculatus* Nees & Meyen 20883, 20850  
**Ex/E** 20850 U.S. - Hawaii 20850  
**I** 20883 Puerto Rico 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Cyperus*

- E** *Cyperus cephalanthus* Torr. & Hook. 20850  
**R** 20850 U.S. - Louisiana 20850  
**Ex/E** 20850 U.S. - Texas 20850
- R** *Cyperus feanii* F. Brown  
**R** French Polynesia - Marquesas Is
- R** *Cyperus grandifolius* Andersson 11117  
**R** Ecuador - Galapagos 11117
- R** *Cyperus granitophilus* McVaugh 20850  
**V** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**E** 20850 U.S. - Virginia 20850
- R** *Cyperus grayioides* Mohlenbrock 20850  
**I** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Illinois 20850  
**E** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - Missouri 20850  
**R** 20850 U.S. - Texas 20850
- R** *Cyperus harrisii* Kuk. 20883, 13336  
**R** 13336 Jamaica (St. Andrew) 20883
- E** *Cyperus herndoniae* Tucker 20883  
**I** 20883 Costa Rica 20883  
**I** 20883 Mexico 20883
- Ex/E** *Cyperus kunthianus* (Gaud.) Hbd. 20850  
**Ex/E** 20850 U.S. - Hawaii 20850
- I** *Cyperus kurzii* Clarke 7771  
**I** India - Andaman Is. 7771
- R** *Cyperus lateriticus* Raynal 7926  
**R** Senegal 7926
- V** *Cyperus louisianensis* Thieret 20850  
**E** 20850 U.S. - Louisiana 20850  
**R** 20850 U.S. - Mississippi 20850
- R** *Cyperus melanorrhyncha* Nelmes 12840  
**R** 12840 Turkey 12840
- I** *Cyperus noeanus* Boiss. 12840  
**I** 12840 Turkey 12840
- V** *Cyperus onerosus* M.C. Johnston 20850  
**V** 20850 U.S. - Texas 20850
- E** *Cyperus papyrus* L. ssp. *hadidii* Chrtek & Slavikova  
**E** Egypt
- E** *Cyperus pennatiformis* Kuentz. 20850  
**I** 20850 U.S. - Hawaii 20850
- R** *Cyperus pennellii* O'Neill & Benedict 14294  
**R** 14294 Mexico - Durango 14294
- R** *Cyperus peruvianus* (Lam.) F.N.Williams var. *foliatus* (Kük.) Kük. 13336  
**R** 13336 Jamaica (St. Ann, St. Mary) 19890
- V** *Cyperus pinetorum* Britton 5607  
**V** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- R** *Cyperus rupicolus* S.T. Blake 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Cyperus semifertilis* S.T. Blake 20681  
**V** 20681 Australia - Queensland 20681
- R** *Cyperus teneriffae* Poirat  
**R** Spain - Canary Is.
- E** *Cyperus trachysanthos* Hook. & Arn. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Cyperus trichodes* Griseb. 20883, 13336  
**R** 13336 Jamaica (Manchester, St. Elizabeth) 20883
- E** *Cyperus urbanii* Boeckl. 20883  
**V** 19002 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. 20883
- R** *Eleocharis austrotexana* M.C. Johnston 20850  
**R** 20850 U.S. - Texas 20850
- Ex** *Eleocharis bermudiana* Britton  
**Ex** Bermuda
- R** *Eleocharis blakeana* L.A.S. Johnson & O. Evans 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** *Eleocharis brachycarpa* Svens. 20883, 20850, 8058  
**Ex/E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- R** *Eleocharis calocarpa* Chermeson  
**R** Côte d'Ivoire
- E** *Eleocharis cylindrica* Buckl. 20883, 20850, 8058  
**I** 20850 U.S. - New Mexico 20850  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- R** *Eleocharis decumbens* C.B. Clarke 20850  
**I** 20850 U.S. - California 20850
- V** *Eleocharis flavescens* (Poir.) Urban var. *thermalis* (Rydb.) Cronq. 20850  
**I** 20850 U.S. - Montana 20850  
**V** 20850 U.S. - Wyoming 20850
- I** *Eleocharis lankana* T. Koyama 8021  
**I** 16162 Sri Lanka (Yakkala, Colombo District) 8021
- V** *Eleocharis neozelandica* C.B. Clarke ex Kirk 19305  
**V** 19305 New Zealand - North Is. 19305  
**V** 19305 New Zealand - South Is. 19305
- V** *Eleocharis obicis* L.A.S. Johnson & O. Evans 20681  
**V** 20681 Australia - New South Wales 20681
- V** *Eleocharis parvinox* Ohwi 11164  
**V** 11164 Japan 11164
- V** *Eleocharis rzedowskii* S. Gonzalez 11380  
**V** 14294 Mexico - Nuevo Leon 11380
- R** *Eleocharis uniflora* Seberg 19536  
**R** 19536 Chile 19536
- R** *Ficinia gydomontana* Arnold 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Ficinia micrantha* C.B. Clarke 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Fimbristylis adjuncta* S.T. Blake 20681  
**E** 20681 Australia - Queensland 20681
- I** *Fimbristylis aggregata* C. Fischer  
**I** India - Tamil Nadu
- I** *Fimbristylis arnottiana* Boeckeler  
**I** India - Kerala (Cannanore)
- I** *Fimbristylis brunneoides* Kerr 19120  
**I** 19120 Thailand (Phu Kradeung) 19120
- I** *Fimbristylis contorta* C. Fischer  
**I** India - Tamil Nadu (Courtallum Hills)
- R** *Fimbristylis dipsacea* (Rottb.) C.B. Clarke 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Fimbristylis harrisii* (Britton) C.D. Adams 15911  
**I** 19890 Haiti (southeast) 18329

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Fimbristylis*

- R 15911 Jamaica (Portland, St. Thomas) 19890
- E *Fimbristylis hawaiiensis* Hbd. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V *Fimbristylis ophiticola* Britton 5607  
V 19105 Cuba 5607
- V *Fimbristylis perpusilla* Harper ex Small & Britt. 20850  
E 20850 U.S. - Delaware 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - Maryland 20850  
E 20850 U.S. - North Carolina 20850  
V 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Virginia 20850
- I *Fimbristylis psammophila* Kerr 19120  
I 19120 Thailand 19120
- I *Fimbristylis savanicola* Kerr 19120  
I 19120 Thailand 19120
- I *Fimbristylis smitinandii* T. Koyama 19120  
I 19120 Thailand 19120
- I *Fimbristylis spicigera* Kerr 19120  
I 19120 Thailand 19120
- R *Fimbristylis stolonifera* C.B. Clarke 11494  
I 11494 India - Manipur 11494  
R 11494 India - Meghalaya (Khasi hills, Mawphlong) 11494
- R *Fimbristylis vagans* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- I *Fimbristylis zeylanica* T. Koyama 8021  
I 16162 Sri Lanka (Wilpattu NP) 8021
- R *Fuirena nyasensis* Nelmes 7849  
R Malawi 7849
- R *Gahnia hystrix* J.Black 20681  
R 20681 Australia - South Australia 20681
- R *Gahnia insignis* S.T.Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- E *Gahnia lanaiensis* O. & I. Deg. & J. Kern 20850, 14209  
E 20850 U.S. - Hawaii (Lana`ihale, Lana`i) 20850
- R *Gahnia marquisensis* F. Brown  
R French Polynesia - Marquesas Is  
I French Polynesia - Society Is.
- R *Gahnia rodwayi* F.Muell. ex Rodway 20681  
R 20681 Australia - Tasmania 20681
- I *Hypolytrum balakrishnanii* Nootboom 7771  
I India - Andaman Is. (South) 7771
- I *Hypolytrum longirostre* Thwaites 8021  
I Sri Lanka (Hiniduma, Bambarabotuwa) 8021
- R *Hypolytrum mauritanium* Nees ex Kunth 10082  
R 10082 Mauritius 10082
- I *Isolepis inconspicua* (Levyen) J.Raynal 20604  
I 20604 South Africa - Cape Province 20604
- R *Isolepis limbata* W.M.Curtis 20681  
R 20681 Australia - Tasmania 20681
- R *Isolepis tasmanica* (S.T.Blake) K.L.Wilson 20681  
R 20681 Australia - Tasmania 20681
- I *Kobresia duthiei* C.B. Clarke  
I India - Himachal Pradesh  
I India - Uttar Pradesh
- I *Kobresia trinervis* (Nees) Boeck. var. *foliosa* (C.B. Clarke) Kuk.  
I India - Uttar Pradesh
- E *Koyamaea neblinensis* W. Thomas & Davidse 20883  
I 20883 Brazil 20883  
I 20883 Venezuela 20883
- R *Kyllinga nudiceps* Clarke ex Standley 9037  
R 19792 Costa Rica 9037
- E *Kyllinga urbanii* Kuk. 5607  
E 19105 Cuba (Pinar del Rio) 5607
- R *Lepidosperma rupestre* Benth. 20681  
R 20681 Australia - Western Australia 20681
- R *Lipocarpa prieuriana* Steudel var. *crassiscuspis* Raynal 7926  
R Senegal 7926
- I *Lophoschoenus hornei* (C.B. Clarke) Stapf 14296  
I 19182 Seychelles (granitic) 14296
- R *Machaerina insularis* (Benth.) T. Koyama  
R 14225 Australia - NSW - Lord Howe Is. 14225
- I *Machaerina restioides* (Swartz) Vahl 10199  
I Dominica 10199
- I *Mapania immersa* (Thwaites) Benth. ex Clarke 8021  
I 16162 Sri Lanka (Sinharaja; Pasdun Korale) 8021
- E *Mariscus fauriei* (Kukenth.) T. Koyama 14209  
E 14209 U.S. - Hawaii 14209
- R *Mariscus kunthianus* Gaud. 14209  
R 14209 U.S. - Hawaii (West Maui) 14209
- E *Mariscus pennatiformis* (Kukenth.) T. Koyama 14209  
E 14209 U.S. - Hawaii 14209
- E *Mariscus pennatiformis* (Kukenth.) T. Koyama ssp. *bryanii* (Kukenth.) T. Koyama 14209  
E 14209 U.S. - Hawaii (north-east Laysan) 14209
- Ex/E *Mariscus rockii* (Kukenth.) T. Koyama 14209  
Ex/E 14209 U.S. - Hawaii (Kaua`i - Wao`alaie Valley) 14209
- V *Mariscus urbanii* C.B. Clarke 8058  
V 19002 Puerto Rico 8058
- R *Pycreus acaulis* Nelmes 7858  
R Malawi 7858
- V *Pycreus felicitis* Raynal 7926  
V Guinea (Fouta Djallon) 7926
- R *Pycreus pagotii* Rayn.  
R Chad
- R *Pycreus spissiflorus* C.B. Clarke 7757  
R Malawi (Mlanje) 7757
- R *Reedia spathacea* F.Muell. 20681  
R 20681 Australia - Western Australia 20681
- E *Rhynchospora argentea* Standl. 20883, 9006  
I 20883 Panama 20883
- E *Rhynchospora bucherorum* Leon 5607  
E 19105 Cuba (Holguin) 5607
- E *Rhynchospora californica* Gale 20850  
E 20850 U.S. - California 20850
- E *Rhynchospora crinipes* Gale 20850  
E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
E 20850 U.S. - North Carolina 20850
- E *Rhynchospora culixa* Gale 20850  
E 20850 U.S. - Florida 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Rhynchospora*

- Ex/E 20850 U.S. - Georgia 20850
- R** *Rhynchospora decurrens* Chapman 20850  
 I 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Louisiana 20850  
 E 20850 U.S. - North Carolina 20850
- R** *Rhynchospora floridensis* (Britt.) H. Pfeiffer 20850  
 R 20850 U.S. - Florida 20850  
 I 20883 Bahamas 20883
- V** *Rhynchospora grisebachii* Boeckl. 5607  
 V 19105 Cuba (Pinar del Rio) 5607
- R** *Rhynchospora harperi* Small 20850  
 I 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Delaware 20850  
 I 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- R** *Rhynchospora indianolensis* Small 20850  
 R 20850 U.S. - Texas 20850
- V** *Rhynchospora intermedia* (Chapman) Britt. 20850  
 I 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850
- E** *Rhynchospora joveroensis* Britton 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E** *Rhynchospora knieskernii* Carey 20850, 14775  
 Ex/E 20850 U.S. - Delaware 20850  
 E 20850 U.S. - New Jersey (pine barrens) 20850  
 I 20850 U.S. - South Carolina 20850
- E** *Rhynchospora nuda* Gale 5607  
 E 19105 Cuba (Juventud Is.) 5607
- R** *Rhynchospora pallida* M.A. Curtis 20850  
 I 20850 U.S. - Alabama 20850  
 Ex/E 20850 U.S. - Delaware 20850  
 Ex/E 20850 U.S. - Maryland 20850  
 R 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 Ex/E 20850 U.S. - Virginia 20850
- R** *Rhynchospora pleiantha* (Kukenth.) Gale 20850  
 E 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 Ex/E 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Louisiana 20850  
 E 20850 U.S. - North Carolina 20850
- E** *Rhynchospora punctata* Ell. 20850  
 I 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850
- E** *Rhynchospora siguaniana* Britton 5607  
 E 19105 Cuba (Juventud Is.) 5607
- E** *Rhynchospora solitaria* Harper 20850  
 E 20850 U.S. - Georgia 20850
- E** *Rhynchospora squamulosa* Kuk. 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E** *Rhynchospora subimberbis* Griseb. 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- I** *Rhynchospora submarginata* Keukenh. 14782  
 I 14782 India - Kerala 14782
- V** *Rhynchospora sulcata* Gale 20850  
 I 20850 U.S. - Florida 20850  
 I 20850 U.S. - Georgia 20850  
 I 20850 U.S. - South Carolina 20850
- E** *Rhynchospora thornei* Kral 20850  
 E 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - Tennessee 20850
- R** *Schoenoxiphium strictum* Kukkonen 20604  
 R 20604 South Africa - Natal 20604
- R** *Schoenus absconditus* Kuk. 20681  
 R 20681 Australia - Tasmania 20681
- R** *Schoenus andrewsii* Fitzg. 20681  
 R 20681 Australia - Western Australia 20681
- R** *Schoenus biglumis* Kuk. 20681  
 R 20681 Australia - Tasmania 20681
- R** *Schoenus discifer* Tate 20681  
 R 20681 Australia - South Australia 20681
- V** *Schoenus natans* (F.Muell.) Benth. 20681, 14223  
 V 20681 Australia - Western Australia 20681
- R** *Schoenus pygmaeus* S.T.Blake 20681  
 R 20681 Australia - Tasmania 20681
- R** *Scirpus ancistrochaetus* Schuyler 20850, 14711  
 E 20850 U.S. - Maryland 20850  
 E 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New Hampshire 20850  
 Ex 20850 U.S. - New York 20850  
 V 20850 U.S. - Pennsylvania 20850  
 E 20850 U.S. - Vermont 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850
- I** *Scirpus delicatulus* (Nees) Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- V** *Scirpus flaccidifolius* (Fern.) Schuyler 20850  
 E 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - Virginia 20850
- R** *Scirpus grandicuspis* (Steudel) R. Berhaut 7926  
 R Senegal 7926
- V** *Scirpus hallii* Gray 20850  
 I 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - Illinois 20850  
 E 20850 U.S. - Indiana 20850  
 Ex/E 20850 U.S. - Iowa 20850  
 E 20850 U.S. - Kansas 20850  
 E 20850 U.S. - Kentucky 20850  
 Ex 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - Michigan 20850  
 E 20850 U.S. - Missouri 20850  
 E 20850 U.S. - Nebraska 20850  
 I 20850 U.S. - Ohio 20850  
 E 20850 U.S. - Oklahoma 20850  
 Ex/E 20850 U.S. - Wisconsin 20850
- V** *Scirpus longii* Fern. 20850, 3064  
 E 20850 Canada - Nova Scotia 20850  
 Ex/E 20850 U.S. - Connecticut 20850  
 E 20850 U.S. - Maine 20850  
 E 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New Hampshire 20850  
 V 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 E 20850 U.S. - Rhode Is. 20850
- V** *Scirpus rolandii* Fern. 20850  
 V 20850 Canada - Alberta 20850  
 V 20850 Canada - British Columbia 20850  
 I 20850 Canada - Labrador 20850  
 E 20850 Canada - Quebec 20850  
 E 20850 Canada - Saskatchewan 20850  
 E 20850 Canada - Yukon Territory 20850



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Cyperaceae: *Scirpus*

- I 20850 U.S. - Alaska 20850  
 I 20850 U.S. - California 20850  
 E 20850 U.S. - Colorado 20850  
 E 20850 U.S. - Montana 20850  
 E 20850 U.S. - Wyoming 20850
- I *Scleria alta* Boeck. 14721  
 E 14721 India - Assam 14721  
 I 14782 India - Meghalaya 14782  
 E 14721 India - West Bengal 14721
- Ex *Scleria anomala* (Steud.) J.Raynal 10082  
 Ex 20771 Mauritius 10082
- E *Scleria bracteata* Cav. var. *assamic* C.B. Clarke 14721  
 E 14721 India - Assam 14721
- R *Scleria chevalieri* Raynal 7926  
 R Senegal 7926
- V *Scleria doradoensis* Britton 8058  
 V 19002 Puerto Rico 8058
- R *Scleria glabra* Boeck. var. *pallidior* Rayn.  
 R Chad
- V *Scleria guineensis* Raynal 7926  
 V Guinea 7926
- I *Scleria mikawana* Makino 11164  
 I 11164 Japan 11164
- R *Scleria monticola* Napper 7926  
 R Sierra Leone 7926
- E *Scleria motemboensis* Britton 5607  
 E 19105 Cuba (Matanzas; Villa Clara) 5607
- I *Scleria pilosa* Boeckeler 8021  
 I 16162 Sri Lanka (Kalutara) 8021
- V *Scleria sheilae* Raynal  
 V Cameroon
- V *Tetraria australiensis* C.B. Clarke 20681, 14223  
 V 20681 Australia - Western Australia 20681
- I *Tetraria paludosa* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- V *Thoracostachyum angustifolium* C.B. Clarke 14296  
 V 19182 Seychelles (granitic) 14296
- I *Thoracostachyum floribundum* (Ness) C.B. Clarke 14296  
 I 19182 Seychelles (granitic) 14296
- I *Torulinium correllii* Koyama  
 I 4650 Bahamas 4650
- I *Trianoptiles solitaria* (C.B. Clarke) Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- I *Trianoptiles stipitata* Levyns 20604  
 I 20604 South Africa - Cape Province 20604
- V *Tricostularia guillauminii* (Kük.) Raynal 20893  
 V 20893 New Caledonia 20893
- V *Uncinia costata* Kuk. 19116  
 V 19125 Chile - Juan Fernandez Is. 19116
- R *Uncinia debilior* F. Muell.  
 R 14225 Australia - NSW - Lord Howe Is. 14225

**Dioscoreaceae**

Number of genera: 6  
 Number of species: 630  
 Recorded threatened species: 72 (11%)

Tropical and subtropical, with a few species in North temperate region.

- E *Borderea chouardii* (Gausson) Heslot 8000, 20171  
 E 11496 Spain 8000
- E *Dioscorea aguilarii* Standley & Steyerem. 19788  
 E 19788 Guatemala (Izabal) 9004
- R *Dioscorea asclepiadea* Prain & Burkill 11164  
 R 11164 Japan 11164
- R *Dioscorea bartlettii* C. Morton 19788  
 R 20765 Belize 19788  
 R 20765 Guatemala 19788  
 R 20765 Honduras 19788  
 R 20765 Mexico - Campeche 19788  
 R 20765 Mexico - Chiapas 19788  
 R 20765 Mexico - Oaxaca 19788  
 R 20765 Mexico - Quintana Roo 19788  
 R 20765 Mexico - Tabasco 19788  
 R 20765 Mexico - Veracruz 19788  
 R 20765 Mexico - Yucatan 19788
- I *Dioscorea belophylla* Voight  
 I India (Western Ghats)
- E *Dioscorea bernoulliana* Prain et Burkill 19788  
 E 20765 Guatemala 19788
- R *Dioscorea brownii* Schinz 20604  
 R 20604 South Africa - Cape Province 20604  
 R 20604 South Africa - Natal 20604
- V *Dioscorea carpomaculata* Téllez & B.G. Schubert var. *cinerea* (Uline ex Knuth) Téllez & B.G. Schubert 19788  
 V 20765 Mexico - Chiapas 19788
- I *Dioscorea caucasica* Lipsky 5942  
 I 5942 Georgia 5942
- V *Dioscorea chaponensis* Knuth 19788  
 V 20765 Panama (east) 19788  
 V 20765 Colombia (north) 19788
- E *Dioscorea chiapasensis* Matuda 19788  
 E 20765 Guatemala 19788  
 E 20765 Mexico - Chiapas 19788
- V *Dioscorea conzattii* Knuth 19907  
 V 20765 Mexico - Oaxaca 20765
- E *Dioscorea cruzensis* Knuth 9706  
 E 20765 Mexico - Veracruz 9706
- E *Dioscorea cyphocarpa* Robinson 19907  
 E 20765 Mexico - Guerrero 20765  
 E 20765 Mexico - Oaxaca 20765
- E *Dioscorea dicranandra* J.D. Smith 19788  
 E 20765 Guatemala (Chiquimulas) 20765
- R *Dioscorea dissimulans* Prain & Burkill 6057  
 R Vietnam 6057
- E *Dioscorea ekmanii* Knuth 5607
- V *Dioscorea elephantipes* (L'Hér.) Engl. 20604  
 V 20604 South Africa - Cape Province 20604
- E *Dioscorea escuintlensis* Matuda 19788  
 E 20756 Guatemala 9679
- V *Dioscorea gallegosii* E. Matuda 19907  
 V 20765 Mexico - Guerrero 20765
- E *Dioscorea guerrensis* Knuth 19907  
 E 20765 Mexico - Guerrero 20765
- E *Dioscorea herradurensis* (Knuth) P. Wilson 5607
- E *Dioscorea hintoni* Knuth 19907  
 E 20765 Mexico 19907
- E *Dioscorea igualamontana* Matuda 19907  
 E 20765 Mexico - Guerrero 20765
- R *Dioscorea izuensis* Akahori 11164

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Dioscoreaceae: *Dioscorea*

- R 11164 Japan 11164
- R** *Dioscorea jaliscana* S.Watson 9681  
R 20765 Mexico - Colima 20765  
R 20765 Mexico - Jalisco 20765  
R 20765 Mexico - Nayarit 20765  
R 20765 Mexico - Sinaloa 20765  
R 20765 Mexico - Tamaulipas 20765
- I** *Dioscorea kalkapershadii* Prain & Burkill  
I India - Tamil Nadu (Shevaroy Hills, Salem Dist)
- E** *Dioscorea koepperi* Standley 19788  
E 20765 Honduras 19788
- R** *Dioscorea lepida* C. Morton 19788  
V 9426 Costa Rica 19788  
R 20765 El Salvador 20765  
R 20765 Guatemala 19788  
R 20765 Honduras 19788  
R 20765 Mexico - Chiapas 19788  
R 20765 Panama (Coclé; Chiriquí; Panamá; Veraguas) 10747
- E** *Dioscorea lobata* Uline 19907  
E 20765 Mexico - Mexico D.F. 20765  
E 20765 Mexico - Oaxaca 20765
- V** *Dioscorea longituba* Uline 19907  
V 20765 Mexico 19907  
V 20765 Mexico - Guerrero 20765
- R** *Dioscorea matagalpensis* Uline 19788  
R 20765 Belize 19788  
R 20765 Costa Rica 20765  
R 20765 El Salvador 20765  
R 20765 Guatemala 19788  
R 20765 Honduras 19788  
R 20765 Mexico - Campeche 19788  
R 20765 Mexico - Chiapas 19788  
R 20765 Mexico - Quintana Roo 19788  
R 20765 Mexico - Tabasco 19788  
R 20765 Mexico - Yucatan 19788  
R 20765 Nicaragua 19788  
R 20765 Panama 19788
- E** *Dioscorea matudae* O. Téllez-Valdés & B.G. Schubert 19907  
E 20765 Mexico - Queretaro 20765
- E** *Dioscorea mcvaughii* B.G. Schubert 19907  
E 20765 Mexico - Nayarit 20765
- E** *Dioscorea mesoamericana* O.Téllez-Valdés & A.I. Martínez-Rodríguez 20753, 19788  
E 20765 Mexico - Chiapas 19788  
E 20765 Mexico - Oaxaca 19788
- R** *Dioscorea minima* Robinson & Seaton 19907  
R 20765 Mexico - Jalisco 20765  
R 20765 Mexico - Michoacan 20765  
R 20765 Mexico - Nayarit 20765  
R 20765 Mexico - Sinaloa 20765
- V** *Dioscorea mitis* C. Morton 9681  
V 20765 Mexico - Jalisco 20765  
V 20765 Mexico - Michoacan 20765
- V** *Dioscorea morelosana* (Uline) Matuda 19907  
V 20765 Mexico - Morelos 20765
- R** *Dioscorea multinervis* Benth. 19907  
R 20765 Mexico - Chihuahua 20765  
R 20765 Mexico - Jalisco 20765  
R 20765 Mexico - Michoacan 20765  
R 20765 Mexico - Nayarit 20765
- E** *Dioscorea nematodes* Uline ex Knuth 19907  
E 20765 Mexico - Guanajuato 20765
- V** *Dioscorea oaxacensis* Uline 19907  
V 20765 Mexico - Oaxaca 20765
- I** *Dioscorea oppositifolia* L. var. *dukhunensis* Prain & Burkill  
I India
- E** *Dioscorea oreodoxa* B.G. Schubert 19907  
E 20765 Mexico - Colima 20765
- I** *Dioscorea palawana* Prain & Burk. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Dioscorea panamensis* Knuth 20883, 19788  
V 20765 Panama (Canal area; Panamá) 20883  
V 20765 Colombia 20765  
V 20765 Venezuela 20765
- V** *Dioscorea pantojensis* Knuth 19907  
V 20765 Mexico 19907
- R** *Dioscorea petelotii* Prain & Burkill 6057  
R Vietnam 6057
- V** *Dioscorea platycalpota* Uline 19907  
V 20765 Mexico 19907
- R** *Dioscorea plumifera* Robinson 19907  
R 20765 Mexico 19907
- V** *Dioscorea pringlei* Robinson 9681  
V 20765 Mexico 9681
- E** *Dioscorea pumicicola* Uline 19907  
E 20765 Mexico - Morelos 20765
- V** *Dioscorea reversiflora* Uline 19907  
V 20765 Mexico - Nayarit 20765  
V 20765 Mexico - Sinaloa 20765
- I** *Dioscorea rogersii* Prain & Burk. 7771  
I 14782 India - Andaman Is. 7771
- V** *Dioscorea salvadorensis* Standley 19788  
V 20765 El Salvador 9681
- E** *Dioscorea sanchez-colinii* E. Matuda 19907  
E 20765 Mexico 19907
- E** *Dioscorea sandwithii* B.G. Schubert 19788  
E 20765 Belize 19788
- V** *Dioscorea sessiliflora* McVaugh 19907  
V 20765 Mexico - Nayarit 20765
- R** *Dioscorea sparsiflora* var. *maculata* Uline 19907  
R 20765 Mexico 19907
- E** *Dioscorea spiculiflora* Hemsley var. *fasciculocongesta* Sosa & B.G. Schubert 9706  
E 20765 Mexico - Puebla 20765  
E 20765 Mexico - Veracruz 9706
- R** *Dioscorea standleyi* C. Morton 19788  
R 20765 Costa Rica 19788  
R 20765 Panama (Bocas Del Toro; Chiriquí; Colón; Panamá) 19788
- V** *Dioscorea sumiderensis* B.G. Schubert & Téllez 19788  
V 20765 Guatemala 20765  
V 20765 Mexico - Chiapas 19788
- E** *Dioscorea tacanensis* Lundell 19788  
E 20765 Mexico - Chiapas 19788
- E** *Dioscorea tancitarensis* Matuda 19907  
E 20765 Mexico - Michoacan 20765
- V** *Dioscorea temascaltepensis* Knuth 19907  
V 20765 Mexico 19907
- V** *Dioscorea tubperianthia* Matuda 19907  
V 20765 Mexico 19907
- R** *Dioscorea ulinei* Greenman ex Knuth 19907  
R 20765 Mexico 19907

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Dioscoreaceae: *Dioscorea*

- V *Dioscorea urceolata* Uline 19907  
 V 20765 Mexico 19907
- I *Dioscorea vexans* Prain & Burk. 7771  
 I India - Andaman Is. 7771
- I *Dioscorea wightii* Hook.f.  
 I India - Kerala (Travancore Hills)  
 I India - Tamil Nadu (Courtallum, Tirunelveli H.)
- V *Rajania cyclophylla* (Urb.) R. Kunth 20883, 13336  
 V 13336 Jamaica 20883
- E *Rajania hermannii* Knuth 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- Ex *Rajania prestoniensis* Knuth 5607  
 Ex 19105 Cuba (Holguin) 19105
- I *Rajania theresensis* Uline 5607  
 I 5607 Cuba 5607

Dracaenaceae

Number of genera: 6  
 Number of species: 156  
 Recorded threatened species: 20 (12%)

Tropics and subtropics, to south-west USA.

- V *Baucarnea goldmanii* Rose 19850  
 V 19850 Mexico 19850
- V *Baucarnea gracilis* Lem. 19850  
 V 19850 Mexico 19850
- V *Baucarnea hiriartiae* L. Hernandez Sandoval 19850  
 V 19850 Mexico 19850
- V *Baucarnea pliabilis* (Baker) Rose 19850  
 V 19850 Mexico 19850
- V *Baucarnea purpusii* Rose 19848  
 V 19848 Mexico 19848
- V *Baucarnea stricta* Lem. 19850  
 V 19850 Mexico 19850
- R *Dasyllirion palaciosii* Rzed. 19850  
 R 19850 Mexico 19850
- E *Dracaena concinna* Kunth 10082  
 E 20771 Mauritius (Ile aux Aigrettes) 10082
- V *Dracaena draco* (L.) L. 18124, 7389  
 E Portugal - Madeira  
 V Spain - Canary Is.  
 V Cape Verde Is.
- V *Dracaena floribunda* Baker 10082  
 V 20771 Mauritius 10082
- E *Dracaena goldieana* W. Bull 7926  
 E Nigeria 7926
- Ex *Dracaena umbraculifera* Jacq. 10082  
 Ex 20771 Mauritius 10082
- V *Nolina arenicola* Correll 20850  
 V 20850 U.S. - Texas 20850
- R *Nolina atopocarpa* Bartlett 20850  
 R 20850 U.S. - Florida 20850
- V *Nolina brittoniana* Nash 20850, 18134  
 V 20850 U.S. - Florida (L. Wales Ridge) 20850
- V I *Nolina interrata* Gentry 20883, 20850, 8058  
 E 20850 U.S. - California 20850  
 E 20883 Mexico 20883
- V *Pleomele auwahiensis* St. John 14209, 20850  
 I 20850 U.S. - Hawaii 20850
- V *Pleomele fernaldii* St. John 20850, 14209

- I 20850 U.S. - Hawaii (Lanai) 20850
- E *Pleomele forbesii* O. Deg. 20850, 14209  
 E 20850 U.S. - Hawaii (O'ahu) 20850
- V *Pleomele halapepe* St. John 14209, 20850  
 I 20850 U.S. - Hawaii (O'ahu) 20850
- E *Pleomele hawaiiensis* O. & I. Deg. 20850, 14209, 21355  
 E 20850 U.S. - Hawaii 20850

Eriocaulaceae

Number of genera: 13  
 Number of species: 1,200  
 Recorded threatened species: 63 (5%)

Tropical and subtropical, with a few species in temperate regions.

- V *Eriocaulon amanoanum* T. Koyama 11164  
 V 11164 Japan 11164
- E *Eriocaulon arenicola* Britton & Small 5607  
 E 19105 Cuba (Juventud Is.) 5607
- R *Eriocaulon atroides* Satake 11164  
 R 11164 Japan 11164
- V *Eriocaulon australasicum* (F.Muell.) Korn 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Victoria 20681
- Ex/E *Eriocaulon barba-caprae* Fyson 14720  
 Ex/E 14720 India - Karnataka 14720  
 Ex/E 14720 India - Meghalaya 14720
- Ex/E *Eriocaulon barbeyanum* Ruhl. 14720  
 Ex/E 14720 India - Karnataka 14720
- E *Eriocaulon carsonii* F.Muell. 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Queensland 20681  
 I 20681 Australia - South Australia 20681
- I *Eriocaulon cauliferum* Makino 11164  
 I 11164 Japan 11164
- E *Eriocaulon cubense* Ruhl. 5607  
 E 19105 Cuba (Juventud Is.) 5607
- I *Eriocaulon daltzellii* Koern.  
 I India - Karnataka (south Concan)
- R *Eriocaulon dimorphoelytrum* T. Koyama 11164  
 R 11164 Japan 11164
- Ex *Eriocaulon echinospermoideum* Ruhl. 5607  
 Ex 19105 Cuba (Villa Clara) 5607
- E *Eriocaulon ekmanii* Ruhl. 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- E *Eriocaulon europepton* Koern 14720  
 E 14720 India - Gujarat 14720  
 E 14720 India - Maharashtra 14720
- I *Eriocaulon fluviatile* Trimen 10252  
 I 16162 Sri Lanka 10252
- I *Eriocaulon fusiforme* Britton & Small 5607  
 I 19105 Cuba (Juventud Is.) 5607
- R *Eriocaulon gamblei* C. Fischer 14720  
 R 14720 India - Tamil Nadu (Naduvattam, Nilgiri) 14720
- R *Eriocaulon geoffreyi* Fyson 14720  
 R 14720 India - Tamil Nadu 14720
- V *Eriocaulon glaberrimum* Satake 11164  
 V 11164 Japan 11164
- R *Eriocaulon gregatum* Koern 14720

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Eriocaulaceae: *Eriocaulon*

- R 14720 India - Meghalaya 14720
- I** *Eriocaulon heleocharioides* Satake 11164  
I 11164 Japan 11164
- V** *Eriocaulon humile* Moldenke 14782  
V 14782 India - Maharashtra (western Ghats) 14782
- R** *Eriocaulon inundatum* Mold. 7926  
R Senegal (Fremaria) 7926
- I** *Eriocaulon japonicum* Koern. 11164  
I 11164 Japan 11164
- Ex** *Eriocaulon johnstonii* Ruhl. 10082  
Ex 20771 Mauritius 10082
- V** *Eriocaulon koernickianum* Van Heurck & Muell.-Arg. 20850  
V 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Oklahoma 20850  
E 20850 U.S. - Texas 20850
- V** *Eriocaulon kusiroense* Satake 11164  
V 11164 Japan 11164
- I** *Eriocaulon longicuspis* Hook.f. 10252  
I 16162 Sri Lanka 10252
- V** *Eriocaulon longipedunculatum* Lecomte  
V New Caledonia
- I** *Eriocaulon margaretae* Fyson  
I India - Karnataka (Rudrasiri, Mysore)
- V** *Eriocaulon mikawanum* Satake & T. Koyama 11164  
V 11164 Japan 11164
- Ex** *Eriocaulon minutissimum* Ruhl. 5607  
Ex 19105 Cuba (Pinar del Rio) 5607
- E** *Eriocaulon miserrimum* Ruhl. 5607  
E 19105 Cuba (Juventud Is.) 5607
- R** *Eriocaulon mysoreense* Fyson 14720  
R 14720 India - Karnataka 14720
- V** *Eriocaulon nakasimanum* Satake 11164  
V 11164 Japan 11164
- R** *Eriocaulon nanellum* Ohwi var. *nanellum* 11164  
R 11164 Japan 11164
- R** *Eriocaulon nanellum* Ohwi var. *nosoriense* Ohwi 11164  
R 11164 Japan 11164
- R** *Eriocaulon nanellum* Ohwi var. *piliferum* Satake 11164  
R 11164 Japan 11164
- R** *Eriocaulon nasuense* Satake 11164  
R 11164 Japan 11164
- E** *Eriocaulon olivaceum* Mold. 5607  
E 19105 Cuba (Juventud Is.) 5607
- I** *Eriocaulon ovoideum* Britton & Small 5607  
I 19105 Cuba (Juventud Is.) 5607
- R** *Eriocaulon ozense* T. Koyama 11164  
R 11164 Japan 11164
- V** *Eriocaulon pallescens* (Nakai) Satake 11164  
V 11164 Japan 11164
- E** *Eriocaulon panamense* Mold. 20883, 9006  
I 20883 Panama 20883
- R** *Eriocaulon parkeri* B.L. Robins. 20850, 4380  
E 20850 Canada - New Brunswick 20850  
V 20850 Canada - Quebec 20850  
E 20850 U.S. - Connecticut 20850
- V** 20850 U.S. - Delaware 20850  
**Ex** 20850 U.S. - District of Columbia 20850  
**R** 20850 U.S. - Maine 20850  
**V** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Massachusetts 20850  
**V** 20850 U.S. - New Jersey 20850  
**Ex** 20850 U.S. - New York 20850  
**E** 20850 U.S. - North Carolina 20850  
**Ex** 20850 U.S. - Pennsylvania 20850  
**V** 20850 U.S. - Virginia 20850
- E** *Eriocaulon pectinatum* Ruhl. 14720  
E 14720 India - Tamil Nadu (Nilgiri Hills) 2268
- R** *Eriocaulon perplexum* Satake & Hara 11164  
R 11164 Japan 11164
- R** *Eriocaulon plumale* N.E. Br. ssp. *kindiae* (Lecomte) Meikle 7926  
R Guinea 7926
- I** *Eriocaulon pumilo* Hook.f.  
I India - Uttar Pradesh
- V** *Eriocaulon ravenelii* Chapman 20850  
I 20850 U.S. - Florida 20850  
? 20850 U.S. - Georgia 20850  
R 20850 U.S. - Mississippi 20850  
I 20850 U.S. - South Carolina 20850
- R** *Eriocaulon satakeanum* Tatew. & Ku.Ito 11164  
R 11164 Japan 11164
- E** *Eriocaulon seemannii* Mold. 20883, 9006  
I 20883 Panama 20883
- R** *Eriocaulon sekimotoi* Honda 11164  
R 11164 Japan 11164
- I** *Eriocaulon seticuspe* Ohwi 11164  
I 11164 Japan 11164
- R** *Eriocaulon takae* Koidz. 11164  
R 11164 Japan 11164
- R** *Eriocaulon thomasi* Fyson 14720  
R 14720 India - Karnataka 14720  
R 14720 India - Maharashtra 14720
- R** *Eriocaulon tutidae* Satake 11164  
R 11164 Japan 11164
- I** *Eriocaulon walkeri* Hook.f. 10252  
I 16162 Sri Lanka 10252
- R** *Eriocaulon zytanii* Satake 11164  
R 11164 Japan 11164
- V** *Lachnocaulon beyrichianum* Sporleder ex Koern. 20850  
I 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- Ex** *Lachnocaulon cubense* Ruhl. 5607  
Ex 19105 Cuba (Villa Clara) 5607
- R** *Lachnocaulon digynum* Koern. 20850  
V 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
V 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Mississippi 20850  
E 20850 U.S. - Texas 20850
- V** *Lachnocaulon engleri* Ruhl. 20850  
E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850
- R** *Mesanthemum benneae* Jacq.-Fel. 7926  
R Guinea (Kindia) 7926
- R** *Paepalanthus nipensis* L. Gonzalez Geigel 11840

## The 1997 IUCN Red List of Threatened Plants

### Liliopsida (monocots): Eriocaulaceae: *Paepalanthus*

- R Cuba (Holguin) 11840  
**V** *Paepalanthus pungens* Griseb. 11840  
 V Cuba (Holguin) 11840  
**I** *Syngonanthus davidsei* Hautf. 20883, 12068  
 I 20883 Mexico 20883  
**V** *Syngonanthus insularis* Mold. 5607  
 V 19105 Cuba (Juventud Is.) 5607  
**E** *Syngonanthus pittieri* Mold. 20883, 9006  
 I 20883 Panama 20883

### Eriospermaceae

Number of genera: 1  
 Number of species: 80-100  
 Recorded threatened species: 36 (40%)

Africa south of the Sahara, especially southwestern Cape Province (South Africa).

- R** *Eriospermum aequilbre* Poelln. 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum algiferum* Marloth ex A.V.Duthie 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum arachnoideum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum arenosum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum aribesense* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum armianum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum attenuatum* Marloth ex P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum bracteatum* Archibald 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum bruynsii* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum calcareum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum ciliatum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum coactum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum crispum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum erinum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum eriophorum* Marloth ex P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum ernstii* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum exigium* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum filicaule* Marloth ex P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum fragile* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum glaciale* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum inconspicuum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604

- R** *Eriospermum minutipustulatum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum occultum* Archibald 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum papilliferum* A.V.Duthie 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum parvulum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**I** *Eriospermum phippisii* Wild 7754  
 I Zimbabwe (Chimanimani) 7754  
**R** *Eriospermum pusillum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum ramosum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum ratelpoortianum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum rhizomatum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum sabulosum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum subtile* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum titanopsoides* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum tuberculatum* P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum vermiforme* Marloth ex P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604  
**R** *Eriospermum viscosum* Marloth ex P.L.Perry 20604  
 R 20604 South Africa - Cape Province 20604

### Gramineae

Number of genera: 500  
 Number of species: 8,000  
 Recorded threatened species: 776 (9%)

Cosmopolitan, especially tropical and North temperate semi-arid regions with seasonal rainfall.

- R** *Agropyron brandzae* Pantu & Solacolu 17823, 20171  
 R 19949 Romania 20631  
**I** *Agropyron cimmericum* Nevski 20171  
 I former European USSR  
**R** *Agropyron dasyanthum* Ledeb. 20171  
 R former European USSR  
**R** *Agropyron deweyi* A. Love 12840  
 R 12840 Turkey 12840  
**I** *Agropyron duthiei* Meld.  
 I India - Himachal Pradesh  
 I India - Uttar Pradesh  
**R** *Agropyron embergeri* Maire  
 R Morocco  
**R** *Agropyron tanaiticum* Nevski 20171  
 R former European USSR  
**I** *Agropyron tsukushiense* Ohwi 11164  
 I 11164 Japan 11164  
**R** *Agropyropsis lolium* (Balansa) A. Camus 10487  
 R 14958 Algeria 10487  
**E** *Agrostis adamsonii* Vickery 20681, 14223  
 E 20681 Australia - Victoria 14223

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Agrostis*

- E** *Agrostis aristiglumis* Swallen 20850  
**E** 20850 U.S. - California 20850
- R** *Agrostis billardieri* R.Br. var. *tenuiseta*  
 D.Morris 20681  
**R** 20681 Australia - Tasmania 14223
- V** *Agrostis blasdalei* A.S. Hitchc. 20850  
**V** 20850 U.S. - California 20850
- V** *Agrostis blasdalei* A. Hitchc. var.  
*blasdalei* 20850  
**V** 20850 U.S. - California 20850
- E** *Agrostis blasdalei* A. Hitchc. var. *marinensis*  
 Crampton 20850  
**E** 20850 U.S. - California 20850
- V** *Agrostis clivicola* Crampton var. *punta-reyesensis*  
 Crampton 20850  
**E** 20850 U.S. - California 20850
- I** *Agrostis cypricola* Lindb.f. 14230  
**I** 14230 Cyprus (Boghazi) 14230
- I** *Agrostis dimorpholemma* Ohwi 11164  
**I** 11164 Japan 11164
- R** *Agrostis eriantha* Hack. var. *planifolia* Gooss. &  
 Papendorf 20604  
**R** 20604 South Africa - Transvaal 20604
- I** *Agrostis goughensis* C.E.Hubb. 19938  
**I** 19938 Tristan da Cunha 19938
- E** *Agrostis hendersonii* A.S. Hitchc. 20850  
**E** 20850 U.S. - California 20850  
**Ex/E** 20850 U.S. - Oregon 20850
- I** *Agrostis hideoi* Ohwi 11164  
**I** 11164 Japan 11164
- I** *Agrostis holdgateana* C.E. Hubb.  
**I** Tristan da Cunha
- V** *Agrostis hooveri* Swallen 20850  
**I** 20850 U.S. - California 20850
- V** *Agrostis howellii* Scribn. 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Agrostis lepida* A.S. Hitchc. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- E** *Agrostis limitanea* J.Black 20681, 14223  
**E** 20681 Australia - South Australia 14223
- I** *Agrostis masafuerana* Pilger 19116  
**I** 19125 Chile - Juan Fernandez Is. 19116
- R** *Agrostis meionectes* Vickery 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Agrostis moldavica* Dobrescu & Beldie 17823, 20171  
**R** 19949 Romania 20631
- R** *Agrostis novogaliciana* McVaugh 9706  
**R** 19850 Mexico - Jalisco 21204
- V** *Agrostis pittieri* Hackel 9037  
**V** 9727 Costa Rica 9037
- E** *Agrostis rossiae* Vasey 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Agrostis sandwicensis* Hbd. 20850, 14209  
**R** 20850 U.S. - Hawaii 20850
- I** *Agrostis schmidii* (Hook.f.) Bor  
**I** India - Tamil Nadu
- R** *Agrostis trachychlaena* C.E. Hubb. 19938
- R** Tristan da Cunha 19938
- I** *Agrostis wacei* C.E. Hubb. 19938  
**I** Tristan da Cunha 19938
- R** *Alloeochoete geniculata* Kabuye 7859  
**R** Malawi 7859
- R** *Alloeochoete oreogena* Launert 7869  
**R** Malawi 7869
- V** *Allolepis texana* (Vasey) Soderstrom & Decker 20883,  
 20850  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- E** *Alopecurus aequalis* Sobol. var. *sonomensis*  
 Rubtzoff 20850  
**E** 20850 U.S. - California 20850
- R** *Alopecurus laguroides* Bal. 12840  
**R** 12840 Turkey 12840
- V** *Alopecurus thracicus* Penev & Kozuharov 8000, 20171  
**V** 5204 Bulgaria (south) 5204
- Ex** *Amphibromus whitei* C.E.Hubb. 20681  
**Ex** 20681 Australia - Queensland 20681
- E** *Ancistrachne numaeensis* (Bal.) S.T. Blake 20893  
**E** 20893 New Caledonia 20893
- R** *Andropogon arcatus* Chapman 20850  
**E** 20850 U.S. - Alabama 20850  
**R** 20850 U.S. - Florida 20850
- R** *Andropogon flavescens* J.S. Presl 18200  
**R** 19966 Peru 19966
- I** *Andropogon longipes* Hackel  
**I** India - Tamil Nadu (Nilgiri Hills)
- R** *Andropogon pringlei* Scribner & Merr. 9722  
**R** 19755 Mexico 9722
- E** *Andropogon pteropholis* W.D. Clayton 7926  
**E** 6072 Ghana 7926
- R** *Andropogon spadicus* Swallen 20850, 9722  
**E** 20850 U.S. - Texas 20850  
 ? Mexico 9722
- E** *Anomochloa marantoidea* Brongn. 13825  
**E** 13825 Brazil - Bahia 13825
- R** *Antonella nicorae* (Antón) Caro 20176  
**R** 20176 Argentina - San Luis 20176
- R** *Apera baytopiana* M. Dogan 12840  
**R** 12840 Turkey 12840
- R** *Apera triaristata* M. Dogan 12840  
**R** 12840 Turkey 12840
- E** *Arberella lancifolia* Soders. & Zuloaga 20883, 9722  
**I** 20883 Panama 20883
- V** *Aristida annua* B.Simon 20681  
**V** 20681 Australia - Queensland 20681
- R** *Aristida brachyathera* Coss. & Balansa 10487  
**R** 14958 Algeria 10487
- R** *Aristida brainii* Melderis 7749  
**R** Zimbabwe 7749
- E** *Aristida brittonorum* Hitchc. 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- E** *Aristida chaseae* A.S. Hitchc. 20883, 19002  
**I** 20883 Puerto Rico 20883
- R** *Aristida chichlayense* Tovar 9722  
**R** 19966 Peru 9722
- R** *Aristida divulsa* Andersson 11117

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Aristida*

- R Ecuador - Galapagos 11117
- E** *Aristida granitica* B.Simon 20681  
E 20681 Australia - Queensland 20681
- R** *Aristida kunthiana* Trin. & Rupr. 7926  
R Mali 7926  
R Senegal 7926
- R** *Aristida patula* Chapman ex Nash 20850  
I 20850 U.S. - Florida 20850
- R** *Aristida peruviana* Beetle 9722  
R 19966 Peru 9722
- E** *Aristida portoricensis* Pilger 20883  
I 20883 Puerto Rico 20883
- V** *Aristida rhizomophora* Swallen 20850  
V 20850 U.S. - Florida 20850
- V** *Aristida simpliciflora* Chapman 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
Ex/E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Mississippi 20850  
E 20850 U.S. - South Carolina 20850
- R** *Aristida tarapotana* Mez 19966  
R 19966 Peru 19966
- R** *Aristida villosa* Robinson & Greenman 11117  
R Ecuador - Galapagos 11117
- R** *Arrhenatherum calderae* A. Hansen  
R Spain - Canary Is
- I** *Arthraxon depressus* Stapf ex C. Fischer  
I India - Karnataka (Agalatti, Mysore)
- V** *Arthraxon hispidus* (Thunb.) Makino 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V** *Arthraxon mauritanus* Stapf ex C.E.Hubb. 20773  
V 20771 Mauritius 20773
- I** *Arthraxon meeboldii* Stapf  
I India - Karnataka (Mangalore)
- R** *Arundinaria baviensis* Balansa 6057  
R 19120 Vietnam 6057
- I** *Arundinaria densiflora* Munro 20892  
I India - Kerala
- R** *Arundinaria vicinia* King 6057  
R Vietnam 6057
- R** *Arundinella grevillensis* B.Simon 20681  
R 20681 Australia - Queensland 20681
- R** *Arundinella montana* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- E** *Australopyrum calcis* ssp. *calcis* 19305  
E 19305 New Zealand - South Is. 19305
- V** *Australopyrum calcis* ssp. *optatum* 19305  
V 19305 New Zealand - North Is. 19305
- I** *Avena breviaristata* G. Barranté 10487  
I 14958 Algeria 10487
- R** *Avena canariensis* Baum & al.  
R Spain - Canary Is.
- R** *Avena saxatilis* (Lojac.) Rocha Afonso 20171  
R 20738 Italy - Sicily (Lipari, Marettinio, Limosa) 20738
- R** *Avenula crassifolia* (Font Quer) Holub 20171  
R Spain - Balearic Is.
- R** *Avenula delicatula* Franco 20171
- V 20076 Portugal (north-east) 20076  
R Spain
- V** *Avenula hackelii* (Henriq.) Holub 8000, 20171  
V 20076 Portugal (south-west) 8000
- R** *Axonopus casiquiarensis* Davidse 20883  
I 20883 Venezuela 20883
- V** *Axonopus chimantensis* Davidse 20883  
I 20883 Venezuela 20883
- E** *Axonopus jeanyae* Davidse 20883  
I 20883 Panama 20883
- E** *Axonopus rupestris* Davidse 20883  
I 20883 Brazil 20883
- V** *Axonopus volcanicus* Pohl 9037  
V 9727 Costa Rica 9037
- R** *Bellardiocloa argaea* (Boiss. & Bal.) R. Mill 12840  
R 12840 Turkey 12840
- R** *Bellardiocloa carica* R. Mill 12840  
R 12840 Turkey 12840
- R** *Bhidea burnsiana* Bor 11494  
R 11494 India - Karnataka 11494  
R 11494 India - Maharashtra 11494
- V** *Bothriocloa biloba* S.T.Blake 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V** *Bothriocloa bunyensis* B.Simon 20681  
V 20681 Australia - Queensland 20681
- R** *Bothriocloa wrightii* (Hack.) Henr. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
E 20850 U.S. - Texas 20850
- R** *Bouteloua eludens* Griffiths 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E** *Bouteloua kayi* Warnock 20850  
E 20850 U.S. - Texas 20850
- R** *Bouteloua parryi* (Fourn.) Griffiths 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- R** *Bouteloua rothrockii* Vasey 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Utah 20850
- R** *Brachiaria dura* Stapf var. *pilosa*  
J.G.Anderson 20604  
R 20604 South Africa - Cape Province 20604
- I** *Brachiaria longiflora* W. Clayton  
I Kenya
- R** *Brachypodium arbuscula* Knoch  
R Spain - Canary Is.
- R** *Brachypodium kotschy* Boiss. 12840  
R 12840 Turkey 12840
- R** *Brachypodium sanctum* (Janka) Janka 5204, 20171  
R 5204 Bulgaria (Southern Bulgaria - three areas.) 5204
- R** *Brachypodium sylvaticum* Beau. ssp. *creticum*  
H.Scholz & Greuter 20730  
R 20730 Greece - Crete 20730
- R** *Brachystachyum densiflorum* (Reudle) Keng 17617  
R 17617 China - Anhui 11139  
R 17617 China - Jiangsu 11139

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Brachystachyum*

- R 17617 China - Zhejiang 11139
- R** *Bromus armenus* Boiss. 12840  
R 12840 Turkey 12840
- Ex** *Bromus brachystachys* Hornung 20171  
Ex 20644 Germany 20644
- E** *Bromus catharticus* M. Vahl var. *striatus* (A. Hitchc.) Pinto 18200  
E 9446 Peru 18200
- R** *Bromus garamas* Maire 10487  
R 14958 Algeria 10487
- E** *Bromus grossus* Desf. ex DC. 8000, 20171  
E 20593 Belgium 20593  
Ex 20609 Luxembourg 20609  
E 18154 Switzerland 18154
- Ex** *Bromus interruptus* (Hack.) Druce 17781, 20171  
Ex 5387 United Kingdom (south and east England) 8000
- I** *Bromus macrocladus* Boiss. 12840  
I 12840 Turkey 12840
- R** *Bromus mango* Desv. 19448  
E 16336 Argentina 19448  
R 20176 Argentina - Chubut 20176  
R 20176 Argentina - Neuquen 20176  
R 20176 Argentina - Rio Negro 20176  
Ex 19534 Chile 19534
- R** *Bromus maroccanus* Pau & Font Quer  
R Morocco
- R** *Bromus moesiacus* Velen. 8000, 20171  
R 19709 Bulgaria 8000
- E** *Bromus psammophilus* P.M. Smith 12840  
E 12840 Turkey 12840
- R** *Bromus sinaicus* (Hackel) Tackh.  
R Egypt
- R** *Bromus villosissimus* A. Hitchc. 18200  
R 19966 Peru 19966
- R** *Buchlomimus nervatus* (Swallen) Reeder, Reeder & Rzed. 9722  
R 19755 Mexico 9722
- E** *Buergersiochloa bambusoides* Pilger 13825  
E 13825 Indonesia - Irian Jaya 13825  
E 13825 Papua New Guinea 13825
- R** *Calamagrostis ampliflora* Tovar 18200  
R 19966 Peru 19966
- R** *Calamagrostis bolanderi* Thurb. 20850, 19002  
I 20850 U.S. - California 20850
- E** *Calamagrostis cainii* A.S. Hitchc. 20850  
E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850
- E** *Calamagrostis cleefii* Escalona 20883  
I 20883 Colombia 20883
- R** *Calamagrostis coronalis* Tovar 18200  
R 19966 Peru 19966
- R** *Calamagrostis crassiglumis* Thurb. 20850, 13967  
V 20850 Canada - British Columbia 20850  
E 20850 U.S. - Alaska 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Washington 20850
- I** *Calamagrostis decora* Hook.f.  
I India - Jammu & Kashmir
- R** *Calamagrostis densa* Vasey 20883, 20850, 8058  
R 20850 U.S. - California 20850
- I** 20883 Mexico 20883
- I** *Calamagrostis deschampsiiiformis* C.E. Hubb. 19938  
I Tristan da Cunha (Inaccessible, Gough, Tristan Is.) 19938
- V** *Calamagrostis expansa* (Munro ex Hbd.) A.S. Hitchc. 20850, 14209  
V 20850 U.S. - Hawaii (Maui) 20850
- R** *Calamagrostis foliosa* Kearney 20850  
R 20850 U.S. - California 20850
- E** *Calamagrostis guamanensis* Escalona 20883  
I 20883 Ecuador 20883
- E** *Calamagrostis hillebrandii* (Munro ex Hbd.) A.S. Hitchc. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V** *Calamagrostis ophiitidis* (J.T. Howell) Nygren 20850  
I 20850 U.S. - California 20850
- E** *Calamagrostis perplexa* Scribn. 20850  
I 20850 Canada - Ontario 20850  
I 20850 U.S. - Maine 20850  
I 20850 U.S. - Minnesota 20850  
I 20850 U.S. - New Hampshire 20850  
E 20850 U.S. - New York 20850
- V** *Calamagrostis pittieri* Hackel 9037  
V 9727 Costa Rica 9037
- V** *Calamagrostis porteri* A.Grey ssp. *insperata* (Swallen) C.W. Greene 20850  
Ex/E 20850 U.S. - Arkansas 20850  
E 20850 U.S. - Illinois 20850  
E 20850 U.S. - Indiana 20850  
E 20850 U.S. - Kentucky 20850  
V 20850 U.S. - Missouri 20850  
E 20850 U.S. - Ohio 20850
- E** *Calamagrostis ramona* Escalona 20883  
I 20883 Venezuela 20883
- E** *Calamagrostis rauhii* Tovar 18200  
E 19966 Peru 19966
- E** *Calamagrostis robertii* Porsild 20850, 1034  
E 20850 Canada - Yukon Territory 20850
- V** *Calamagrostis scotica* (Druce) Druce 17781, 20171  
V 5387 United Kingdom (N.E. Scotland) 8000
- E** *Calamagrostis swallenii* Tovar 18200  
E 19966 Peru 19966
- R** *Calamagrostis tashiroi* Ohwi 11164  
R 11164 Japan 11164
- R** *Calamagrostis tweedyi* (Scribn.) Scribn. ex Vasey 20850  
E 20850 U.S. - Idaho 20850  
V 20850 U.S. - Montana 20850  
V 20850 U.S. - Washington 20850
- V** *Calamovilfa arcuata* K.E. Rogers 20850  
E 20850 U.S. - Arkansas 20850  
I 20850 U.S. - North Dakota 20850  
V 20850 U.S. - Oklahoma 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - South Dakota 20850  
V 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Washington 20850  
I 20850 U.S. - Wyoming 20850
- V** *Calamovilfa curtisii* (Vasey) Scribn. 20850  
V 20850 U.S. - Florida 20850
- I** *Catabrosa aquatica* (L.) P. Beauv. var. *angusta* Stapf 7771  
I India - Jammu & Kashmir (Ladakh) 7771



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Catabrosa*

- R** *Catapodium mamoraenum* (Maire) Maire & M. Weiller  
R Morocco
- E** *Cenchrus agrimonioides* Trin. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Cenchrus agrimonioides* Trin. var. *agrimonioides* 20850  
E 20850 U.S. - Hawaii 20850
- Ex/E** *Cenchrus agrimonioides* Trin. var. *laysanensis*  
F.Br. 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- I** *Cenchrus prieurii* (Kunth) Maire var. *scabra*  
Bhandari  
I India - Rajasthan (west) 7771
- I** *Cenchrus rajasthanensis* Kanodia & Nanda 7771  
I India - Rajasthan (Jaisalmer & Jodhpur) 7771
- R** *Cephalostachyum capitatum* Munro var. *decomposita*  
Gamble 14723  
R 14723 India - Sikkim 14723
- R** *Chaboissaea ligulata* Fourn. 9722  
R 19755 Mexico 9722
- I** *Chaetotropis imberbis* (Philippi) Bjorkman 19116  
I 19125 Chile - Juan Fernandez Is. 19116
- V** *Chimonobambusa quadrangularis* (Fenji) Makino 15100  
V 20756 China - Anhui 20756  
V 20756 China - Fujian 20756  
V 20756 China - Guangdong 20756  
V 20756 China - Guangxi 20756  
V 20756 China - Hubei 20756  
V 20756 China - Jiangxi 20756  
V 20756 China - Zhejiang 20756  
R 20985 Vietnam 15100
- R** *Chionochloa conspicua* (G. Forst.) Zotov 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R** *Chionochloa frigida* (Vick.) Conert 20681  
R 20681 Australia - New South Wales 20681
- V** *Chionochloa spiralis* Zotov 86  
V 19305 New Zealand - South Is. 19305
- E** *Chloris arenaria* Hitchc. & Ekman 5607  
E 19105 Cuba (Pinar del Rio; Cienfuegos) 5607
- E** *Chloris cheesemani* Hack ex Cheesem. 19473  
E 19473 Cook Is. (Southern group) (Rarotonga) 19473
- R** *Chloris ferruginea* Renvoize  
R Kenya (Northern Frontier Province) 7959
- V** *Chloris filiformis* (Vahl) Poirlet 10082, 20773  
V 20771 Mauritius 20773
- V** *Chloris texensis* Nash 20850  
V 20850 U.S. - Texas 20850
- I** *Chlorocalymma cryptacanthum* Clayton 5926  
I 5926 Tanzania 5926
- R** *Chondrosum elata* (Reeder & C. Reeder) W.  
Clayton 19788  
R 19755 Mexico 9722
- V** *Chrysopogon macleishii* Cope 20146  
V 20146 Oman (Dhofar) 20146
- I** *Chrysopogon perlaxus* Bor 19120  
I 19120 Thailand 19120
- I** *Chrysopogon velutinus* (Hook.f.) Bor  
I India - Andhra Pradesh (Cuddapah)
- V** *Chusquea aperta* G. Clark 20883, 11973  
I 20883 Mexico 20883  
? Mexico - Oaxaca 11973
- V** *Chusquea bilimekii* Fourn. 9722  
V 14344 Mexico - Veracruz 9722
- V** *Chusquea fernandeziana* Philippi 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- E** *Chusquea latifolia* Clark 20883  
I 20883 Colombia 20883
- V** *Chusquea longiligulata* (Soderstrom & C. Calderón) L.  
Clark 14344  
V 9727 Costa Rica 14344
- V** *Chusquea pohlii* Clark 20883, 11974  
I 20883 Costa Rica 20883
- I** *Cinna valdiviana* Philippi  
I Chile
- R** *Clausospicula extensa* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- I** *Coelachne japonica* Hackel 11164  
I 11164 Japan 11164
- R** *Coelachne minuta* Bor 11494  
R 11494 India - Maharashtra 11494
- I** *Coelachne soerenseii* Bor 19120  
I 19120 Thailand 19120
- R** *Coelorrhachis tuberculosa* (Nash) Nash 20850  
E 20850 U.S. - Alabama 20850  
R 20850 U.S. - Florida 20850
- R** *Coleanthus subtilis* (Tratt.) Seidl. 8000, 20171  
Ex Austria  
R 2050 Czech Republic 2050  
V 20528 France 8000  
I 20640 Germany 8000  
Ex 8000 Italy 8000  
Ex 8000 Norway 8000  
V 14155 Slovakia 8000  
I 5942 Russia (Far East) - Khabarovsk 5942  
I 5942 Russia (E Europe) - Northwest 5942  
I 5942 Russia (Far East) - Primorye 5942
- R** *Colpodium drakensbergense* Hedberg & I.Hedberg 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Natal 20604
- E** *Cortaderia turbaria* H.E. Conner 19305  
E 19305 New Zealand - Chatham Is. 19305
- R** *Crithopsis delileana* (Schult.) Roshev. 20171  
R Greece
- V** *Crypsis minuartioides* Mez 14952  
V 14952 Israel (coastal plain) 14952
- V** *Cryptochloa decumbens* Soders. & Zuloaga 20883, 12044  
I 20883 Panama 20883
- V** *Cryptochloa dressleri* Soders. 20883, 10747  
I 20883 Panama 20883
- V** *Ctenium floridanum* (A.S. Hitchc.) A.S. Hitchc. 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850
- R** *Ctenium newtonii* Hackel var. *annuum*  
Lebrun  
R Chad
- R** *Ctenium plumosum* (A. Hitchc.) Swallen 9722  
R 19755 Mexico 9722
- I** *Cymbopogon calciphilus* Bor 19120  
I 19120 Thailand 19120

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Cymbopogon*

- R** *Cymbopogon dependens* B.Simon 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Cymbopogon flexuosus* (Nees ex Steudel) Watson var. *microstachys* (Hook.f.) Bor  
**E** India - Uttar Pradesh  
**R** 20099 Singapore 20099
- V** *Cymbopogon osmastonii* R. Parker 14872  
**V** 14872 Bangladesh 14872  
**I** India - Uttar Pradesh
- I** *Cymbopogon ramnagarensis* B.K. Gupta  
**I** India - Jammu & Kashmir
- I** *Cymbopogon siamensis* Bor 19120  
**I** 19120 Thailand 19120
- R** *Dactylis smithii* Link  
**R** Portugal - Madeira  
**R** Spain - Canary Is.
- R** *Danthonia nitens* D.Morris 20681  
**R** 20681 Australia - Tasmania 20681
- V** *Danthonia paschalis* Pilger 14777  
**V** 17912 Chile - Easter Is. (Rano Kao) 14777
- E** *Danthonia popinensis* D.Morris 20681  
**E** 20681 Australia - Tasmania 20681
- R** *Danthonia remota* D.Morris 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Danthonia unarede* Raoul 14223  
**R** 14223 Australia - NSW - Lord Howe Is. 14223
- R** *Danthoniopsis scopulorum* (J.B.Phipps) J.B.Phipps 20604  
**R** 20604 South Africa - Natal 20604
- V** *Deschampsia argentea* (Lowe) Lowe  
**V** Portugal - Madeira
- E** *Deschampsia cespitosa* (L.) P.Beauv. ssp. *alpina* (L.) Tzvelev 20850, 15886, 20171  
**E** 20850 Canada - Labrador 20850  
**E** 20850 Canada - Franklin 20850  
**E** 20850 Canada - Quebec 20850
- I** *Deschampsia christophersenii* C.E. Hubb. 19938  
**I** Tristan da Cunha (Inaccessible & Tristan Is.) 19938
- V** *Deschampsia congestiformis* Booth 20850  
**I** 20850 U.S. - Montana 20850
- I** *Deschampsia litoralis* (Gaudin) Reuter 18154  
**Ex** 20528 France 20528  
**I** Germany 20528  
**E** 18154 Switzerland 18154
- V** *Deschampsia mackenzieana* Raup 20850, 2063  
**V** 20850 Canada - Saskatchewan 20850
- E** *Deschampsia maderensis* (Hackel & Bornum.) Buschm. 17891  
**E** Portugal - Madeira 17891
- I** *Deschampsia mejlandii* C.E. Hubb. 19938  
**I** Tristan da Cunha 19938
- I** *Deschampsia rhenana* Gremlí 18154  
**I** Germany  
**E** 18154 Switzerland 18154
- I** *Deschampsia robusta* C.E. Hubb.  
**I** Tristan da Cunha
- I** *Deschampsia turczanowii* Litv. 5942  
**I** 5942 Russia (Siberia) - Irkutsk (L. Baikal) 5942
- I** *Deschampsia wacei* C.E. Hubb.
- I** Tristan da Cunha
- R** *Deyeuxia affinis* M.Gray 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- E** *Deyeuxia appressa* Vickery 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Deyeuxia apseyensis* D.Morris 20681  
**R** 20681 Australia - Tasmania 20681
- R** *Deyeuxia curta* Wedd. var. *longearistata* Turpe 19448  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Tucuman 20176
- Ex** *Deyeuxia drummondii* (Steudel) Vick. 20681, 14223  
**Ex** 20681 Australia - Western Australia 20681
- I** *Deyeuxia kashmeriana* Bor  
**I** India - Jammu & Kashmir
- Ex** *Deyeuxia lawrencei* Vickery 20681, 14223  
**Ex** 20681 Australia - Tasmania 20681
- Ex/E** *Deyeuxia simlensis* Bor 11494  
**Ex/E** 11494 India - Himachal Pradesh (Simla) 11494
- R** *Deyeuxia talariata* N.G.Walsh 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** *Dichantheium isachnoides* (Munro ex Hbd.) C.A. Clark & Gould 20850, 14209  
**I** 20850 U.S. - Hawaii 20850
- V** *Dichantheium koolauense* (St. John & Hosaka) C.A. Clark & Gould 20850, 14209  
**I** 20850 U.S. - Hawaii (O`ahu) 20850
- R** *Dichantheium armatum* (Hook.f.) Blatter & McCann 11494  
**R** 11494 India - Maharashtra 11494
- R** *Dichantheium compressum* (Hook.f.) Jain & Deshpande 11494  
**R** 11494 India - Maharashtra (Pune District) 11494
- V** *Dichantheium maccannii* Blatter 11494  
**V** 11494 India - Maharashtra (Panchagani, Satara Dist.) 11494
- R** *Dichantheium mucronulatum* Jansen  
**R** Malaysia - Peninsular Malaysia
- I** *Dichantheium pallidum* (Hook.f.) Stapf ex C. Fischer  
**I** India - Tamil Nadu (Nilgiri Hills)
- R** *Dichantheium panthaganiense* Blatt. et McCann 13883  
**R** 13883 India - Maharashtra 13883
- V** *Dichantheium queenslandicum* B.Simon 20681  
**V** 20681 Australia - Queensland 20681
- V** *Dichantheium woodrowii* (Hook.f.) Jain & Deshpande 11494  
**V** 11494 India - Maharashtra (Paud, Mawal taluka, Pune) 11494
- R** *Digitaria aristulata* (Steudel) Stapf 7926  
**R** Mali 7926  
**R** Senegal 7926
- V** *Digitaria costaricensis* Pohl 9037  
**V** 9727 Costa Rica 9037
- E** *Digitaria floridana* A.S. Hitchc. 20850  
**E** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850
- R** *Digitaria gentilis* Henrard 7926  
**R** Senegal (Hana) 7926

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Digitaria*

- E** *Digitaria gracillima* (Scribn.) Fern. 20850  
**E** 20850 U.S. - Florida 20850
- E** *Digitaria hirsuta* Swallen 20883, 9006  
**I** 20883 Panama 20883
- I** *Digitaria monobotrys* (Veken) Clayton, ined. 5926  
**I** 5926 Tanzania 5926
- I** *Digitaria monopholis* Clayton 5926  
**I** 5926 Tanzania 5926
- I** *Digitaria myurus* Stapf 5926  
**I** 5926 Tanzania 5926
- R** *Digitaria paniculata* Soderstrom & McVaugh 9706  
**R** 19850 Mexico - Jalisco 21204
- E** *Digitaria pauciflora* A.S. Hitchc. 20850  
**E** 20850 U.S. - Florida 20850
- I** *Digitaria petelotii* Bor 19120  
**I** 19120 Thailand 19120
- R** *Digitaria phaeotricha* (Chiov.) Robyns var. *patens*  
 W. Clayton 7926  
**R** Sierra Leone (Mt. Loma) 7926
- E** *Digitaria pinetorum* Hitchc. 5607  
**E** 19105 Cuba (Pinar del Rio; I. Juventud) 5607
- R** *Digitaria platycarpa* (Trin.) Stapf 8037  
**R** 19134 Japan - Ogasawara-shoto 8037
- E** *Digitaria porrecta* S.T.Blake 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- V** *Digitaria simpsonii* (Vasey) Fern. 20850  
**I** 20850 U.S. - Florida 20850
- R** *Dimeria blatterii* Bor 13883  
**R** 13883 India - Maharashtra (Western Ghats in Pune and Ratnagiri districts) 13883
- I** *Dimeria ciliata* Merr. 13833  
**I** 13833 Philippines (Palawan) 13833
- R** *Dimeria woodrowii* Stapf 11494  
**R** 11494 India - Goa, Daman & Diu 11494  
**R** 11494 India - Karnataka 11494  
**R** 11494 India - Maharashtra 11494
- I** *Dinochloa dielsiana* Pilg. 20891  
**I** 13833 Philippines 20891
- I** *Dinochloa palawanense* (Gamble) S. Dransf., comb.  
 nov. 20891  
**I** 13833 Philippines (Palawan) 20891
- V** *Dissanthelium amplivaginatatum* Tovar 18200  
**V** 19966 Peru 18200
- Ex/E** *Dissanthelium californicum* (Nutt.) Benth. 20883,  
 20850, 8058  
**Ex/E** 20850 U.S. - California 20850  
**Ex/E** 20883 Mexico 20883
- V** *Dissanthelium densum* Swallen & Tovar 18200  
**V** 19966 Peru 18200
- V** *Dissanthelium giganteum* Tovar 18200  
**V** 19966 Peru 18200
- V** *Dissochondrus biflorus* (Hbd.) Kuntze ex Hack. 20850,  
 14209  
**V** 20850 U.S. - Hawaii 20850
- R** *Dolichochaete rehmannii* (Hackel) Phipps ssp.  
*mosambicensis* Phipps 7921  
**R** Mozambique 7921
- R** *Dregeochloa calviensis* Conert 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Dregeochloa pumila* (Nees) Conert 20604  
**V** 20604 Namibia 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Echinochloa paludigena* Wieg. 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Texas 20850
- E** *Echinolaena optismenoides* (Munro ex Doell)  
 Stieber 20883  
**I** 20883 Brazil 20883  
**I** 20883 Ecuador 20883
- V** *Echinolaena standleyi* (A. S. Hitchc.) Stieber 20883  
**I** 20883 Belize 20883  
**I** 20883 Guatemala 20883  
**I** 20883 Honduras 20883  
**I** 20883 Mexico 20883
- V** *Ectrosia blakei* C.E.Hubb. 20681  
**V** 20681 Australia - Queensland 20681
- R** *Ehrharta eburnea* Gibbs Russ. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Ekmanochloa aristata* Ekman 13825  
**I** 13825 Cuba (Oriente) 13825
- R** *Ekmanochloa subaphylla* Hitchcock 13825  
**R** 13825 Cuba (Oriente) 13825
- R** *Elionurus tripsacioides* Humb. & Bonpl. var. *sericeus*  
 Hackel 10831  
**R** 10831 Mexico - Veracruz 10831
- R** *Elymus clivorum* Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus erosiglumis* Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus lazicus* (Boiss.) Melderis ssp.  
*lazicus* 12840  
**R** 12840 Turkey 12840
- R** *Elymus longearistatus* (Boiss.) Tzvelev ssp.  
*sintenisi* Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus nodosus* (Nevski) Melderis ssp. *gypsecolus*  
 Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus nodosus* (Nevski) Melderis ssp. *platyphyllus*  
 Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus sosnowskyi* (Hackel) Melderis 12840  
**R** 12840 Turkey 12840
- R** *Elymus stebbinsii* Gould 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- V** *Elymus svensonii* Church 20850  
**R** 20850 U.S. - Kentucky 20850  
**E** 20850 U.S. - Tennessee 20850
- E** *Elymus vulpinus* Rydb. 20850  
**I** 20850 Canada - Alberta 20850  
**I** 20850 Canada - British Columbia 20850  
**I** 20850 Canada - Saskatchewan 20850  
**I** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nebraska 20850
- I** *Elymus yubarikensis* (Honda) Ohwi 11164  
**I** 11164 Japan 11164
- R** *Elytrigia corsica* (Hackel) J. Holub 15080  
**R** 15080 France - Corsica 15080
- I** *Elytrigia stipifolia* (Czern. ex Nevski) 5942, 20171

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Elytrigia*

- I 5942 Russia - North Caucasus 5942  
 I 5942 Russia (E. Europe) - South 5942  
 I 5942 Ukraine 5942
- E** *Elytrigia tilcarensis* (Hunziker) Covas 20176  
 E 20176 Argentina - Jujuy 20176
- I** *Eragrostis aristiglutinis* Kabuye 5926  
 I 5926 Tanzania (Iringa) 5926
- V** *Eragrostis attenuata* A. Hitchc. 18200  
 V 19966 Peru 18200
- Ex/E** *Eragrostis deflexa* A.S. Hitchc. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Lana`i, Hawai`i) 20850
- R** *Eragrostis desolata* Launert 7768  
 R Zimbabwe 7768
- R** *Eragrostis diarrhena* (Schult. & Schult.f.)  
 Steud. 20171  
 R former European USSR
- E** *Eragrostis ekmanii* Hitchc. 5607  
 E 19105 Cuba (Juventud Is.) 5607
- E** *Eragrostis fosbergii* Whitney 20850, 14209  
 E 20850 U.S. - Hawaii (O`ahu) 20850
- R** *Eragrostis glischna* Launert 7768  
 R Zimbabwe 7768
- V** *Eragrostis glutinosa* (Sw.) Trin. 20883  
 V 20883 Cuba 20883  
 Ex/E 20883 Jamaica 20883  
 I 20883 Puerto Rico 20883  
 I 20883 USA - Virgin Is. 20883
- Ex/E** *Eragrostis hosakai* O. Deg. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Moloka`i, Mauna Loa)  
 20850
- R** *Eragrostis kneuckeri* Hackel & Bornm.  
 R Egypt
- R** *Eragrostis marquisensis* F. Brown  
 R French Polynesia - Marquesas Is
- Ex/E** *Eragrostis mauiensis* A.S. Hitchc. 20850, 14209  
 Ex/E 20850 U.S. - Hawaii (Lana`i, Maui) 20850
- I** *Eragrostis pseudopoa* C.E. Hubb. 5926  
 I 5926 Tanzania (Iringa) 5926
- V** *Eragrostis raynaliana* Lebrun  
 V Cameroon
- R** *Eragrostis rigiduscula* Domin 20681  
 R 20681 Australia - Northern Territory 20681
- Ex** *Eragrostis rottleri* Stapf 11494  
 Ex 11494 India - Tamil Nadu (Tranquebar) 11494
- R** *Eragrostis saxatilis* Hemsley 18996  
 R 18996 St Helena 18996
- V** *Eragrostis tracyi* A.S. Hitchc. 20850  
 V 20850 U.S. - Florida 20850
- V** *Eragrostis xerophila* F. Brown  
 V French Polynesia - Marquesas Is
- R** *Eremopoa attalica* H. Scholz 12840  
 R 12840 Turkey 12840
- V** *Eremopoa mardinensis* R. Mill 12840  
 V 12840 Turkey 12840
- R** *Eriochloa lemmonii* Vasey & Scribner 10181  
 R 10181 U.S. - Arkansas 10181  
 R 10181 Mexico - Chihuahua 10181  
 R 10181 Mexico - Sonora 10181
- V** *Eriochloa michauxii* (Poir.) A.S. Hitchc. 20850  
 I 20850 U.S. - Alabama 20850
- I** 20850 U.S. - Florida 20850  
**V** 20850 U.S. - Georgia 20850  
**I** 20850 U.S. - Louisiana 20850  
**I** 20850 U.S. - South Carolina 20850
- V** *Eriochloa michauxii* (Poir.) A. Hitchc. var.  
*simpsonii* A. Hitchc. 20850  
 E 20850 U.S. - Florida 20850
- Ex** *Eriochrysis rangacharii* Fischer 11494  
 Ex 11494 India - Tamil Nadu (Paikara, Nilgiri  
 District) 11494
- R** *Erioneuron nealleyi* (Vasey) Tateoka 20850  
**I** 20850 U.S. - New Mexico 20850  
**I** 20850 U.S. - Texas 20850
- V** *Eustachys floridana* Chapman 20850  
**E** 20850 U.S. - Alabama 20850  
**I** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850
- V** *Eustachys neglecta* (Nash) Nash 20850  
**I** 20850 U.S. - Florida 20850
- I** *Farrago racemosa* W. Clayton 5926  
**I** 5926 Tanzania (Lindi) 5926
- R** *Festuca agustini* Lindinger  
**R** Spain - Canary Is.
- R** *Festuca albida* Lowe  
**R** Portugal - Madeira
- R** *Festuca anatolica* Markgr.-Dannenb. ssp. *borealis*  
 Markgr.-Dannenb. 12840  
**R** 12840 Turkey 12840
- I** *Festuca bargusinensis* Malysch. 11552, 5942  
**I** 5942 Russia (Siberia) - Buryatiya 5942
- Ex** *Festuca benthamiana* Vickery 20681, 14223  
**R** 20681 Australia - South Australia 14223
- V** *Festuca breistrofferi* Chas, Kerguelén & Plonka 20528  
**V** 20528 France (Alps) 20528
- R** *Festuca brevissima* Jurtzev 20850, 4480  
**E** 20850 Canada - Yukon Territory 20850  
**R** 20850 U.S. - Alaska 20850
- E** *Festuca brigantina* (Markgr.-Dann.)  
 Markgr.-Dann. 8000, 20171  
**E** 20076 Portugal (north east) 8000
- R** *Festuca cappadocica* (Hackel) Markgr.-Dannenb. 12840  
**R** 12840 Turkey 12840
- R** *Festuca cataonica* (Hackel ex Boiss.)  
 Markgr.-Dan. 12840  
**R** 12840 Turkey 12840
- R** *Festuca clementei* Boiss. 20171  
**R** 11496 Spain (Betic Mountains) 20690
- R** *Festuca cratericola* Markgr.-Dannenb. 12840  
**R** 12840 Turkey 12840
- R** *Festuca cyllenica* Boiss. & Heldr. ssp. *uluana*  
 Markgr.-Dannenb. 12840  
**R** 12840 Turkey 12840
- R** *Festuca dasyclada* Hack. ex Beal 20850  
**R** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Utah 20850
- R** *Festuca decolorata* Markgr.-Dannenb. 12840  
**R** 12840 Turkey 12840
- E** *Festuca densiflora* Tovar 12468  
**E** 19966 Peru 12468
- R** *Festuca dissitiflora* Steudel 16336

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Festuca*

- I 16336 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Jujuy 20176  
R 20176 Argentina - La Rioja 20176  
R 20176 Argentina - Salta 20176
- R *Festuca divergens* Tovar 12468  
R 19966 Peru 12468
- V *Festuca donax* Lowe  
V Portugal - Madeira
- R *Festuca durandoi* Clauson ssp. *capillifolia* (Pau ex Willk.) Rivas Ponce, Cebolla & M.B.Crespo 20692  
R 20692 Spain (east) 20692
- V *Festuca duriotagana* Franco & R. Afonso 20076  
V 20076 Portugal 20076
- R *Festuca frigida* (Hack.) K.Richt. 20171  
R 11496 Spain 11496
- R *Festuca grandiaristata* Markgr.-Dann. 20171  
R Greece
- V *Festuca hawaiiensis* A.S. Hitchc. 20850, 14209  
V 20850 U.S. - Hawaii (Hawai'i & Maui) 20850
- E *Festuca henriquesii* Hack. 8000, 20171  
E 20076 Portugal (north central) 8000
- R *Festuca humbertii* Litard. & Maire  
R Morocco
- R *Festuca ilgazensis* Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- E *Festuca lahonderei* Kerguelén & Plonka 20528  
E 20528 France (west) 20528
- R *Festuca lazistanica* Alexeev 12840  
R 12840 Turkey 12840
- E *Festuca levingei* Stapf  
E India - Jammu & Kashmir
- E *Festuca ligulata* Swallen 20883, 20850  
E 20850 U.S. - Texas 20850  
E 20883 Mexico 20883
- R *Festuca livida* Willd. 9722  
R 19755 Mexico 9722
- I *Festuca lucida* Stapf  
I India - Himachal Pradesh  
I India - Jammu & Kashmir  
I India - Uttar Pradesh
- R *Festuca macedonica* J.Vetter 20171  
R Greece
- V *Festuca morisiana* Parl. 8000, 20171  
V Italy - Sardinia (Mt Gennargentu) 8000
- R *Festuca olympica* J.Vetter 20171  
R Greece
- R *Festuca oviniformis* J.Vetter 20171  
R Greece
- R *Festuca paphlagonica* (St.-Yves) Markgr.-Dannenb. ssp. *paphlagonica* 12840  
R 12840 Turkey 12840
- R *Festuca pirinica* Horvat ex Markgr.-Dann. 5204, 20171  
R 5204 Bulgaria (south) 5204
- R *Festuca plebeia* R.Br. 20681  
R 20681 Australia - Tasmania 20681
- R *Festuca pontica* (E. Alekseev) Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- R *Festuca pseudoeskia* Boiss. 11496  
R 11496 Spain 11496
- R *Festuca pseudosupina* Vetter  
R Greece
- R *Festuca puctoria* Sm. 12840  
R 12840 Turkey 12840
- R *Festuca querana* Litard. 20171  
R Spain
- R *Festuca reverchonii* Hack. 20171  
R Spain
- R *Festuca rosei* Piper 9722  
R 19755 Mexico 9722
- R *Festuca rubra* L. ssp. *pseudorivularis* Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- R *Festuca takedana* Ohwi 11164  
R 11164 Japan 11164
- R *Festuca ventanicola* Spig. 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Buenos Aires 20176
- R *Festuca wagneri* (Degen, Thaisz & Flatt) Krajina 17786, 20171  
R 20686 Hungary 20686  
R 19949 Romania 20631
- R *Festuca woronowii* Hackel ssp. *argaea* Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- R *Festuca xenophontis* Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- R *Festuca ziganensis* Markgr.-Dannenb. 12840  
R 12840 Turkey 12840
- E *Froesiochloa boutelouoides* G.A. Black 13825  
E 13825 Brazil - Maranhao 13825  
E 13825 French Guiana 13825  
E 13825 Suriname 13825
- E *Garnotia cheesemani* Hack. ex Cheesem. 19473  
E 19473 Cook Is. (Southern group) (Rarotonga) 19473
- I *Garnotia schmidii* Hook.f.  
I India - Tamil Nadu (Nilgiri Hills)
- E *Garnotia sechellensis* C.E. Hubb. & Summerh. 14296  
E 14981 Seychelles (Mahé & Silhouette) 14296
- I *Gaudinia hispanica* Stace & Tutin 8000, 20171  
I Spain (Andalusia) 11496
- Ex *Glyceria drummondii* (Steudel) C.E.Hubb. 20681  
Ex 20681 Australia - Western Australia 20681
- I *Glyceria insularis* C.E. Hubb.  
I Tristan da Cunha 19938
- R *Glyceria leptostachya* Buckl. 20850, 10701  
V 20850 Canada - British Columbia 20850  
E 20850 U.S. - Alaska 20850  
I 20850 U.S. - California 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- V *Glyceria nubigena* W.A. Anderson 20850  
V 20850 U.S. - North Carolina 20850  
V 20850 U.S. - Tennessee 20850
- E *Glyceria otisii* A.S. Hitchc. 20850  
I 20850 U.S. - Oregon 20850  
I 20850 U.S. - Washington 20850
- R *Glyphochloa divergens* (Hook.) Clayton 11494  
R 11494 India - Karnataka 11494
- V *Glyphochloa talbotii* (Hook.f.) Clayton 11494

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Glyphochloa*

- V 11494 India - Goa, Daman & Diu 11494
- R** *Glyphochloa santapau* (Jain & Deshpande)  
Clayton 13883  
R 13883 India - Maharashtra (Ratnagiri District)  
13883
- I** *Greenia oblonga* Craib 19120  
I 19120 Thailand 19120
- I** *Greenia siamensis* Craib 19120  
I 19120 Thailand 19120
- E** *Guadua calderoniana* Londoño & Judziewicz 21275  
E 21275 Brazil - Bahia 21275
- V** *Gymnopogon chapmanianus* A.S. Hitchc. 20850  
V 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850
- R** *Helictotrichon barbatum* (Nees) Schweick. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Helictotrichon hideoi* Ohwi 11164  
R 11164 Japan 11164
- R** *Helictotrichon murcicum* Holub 20171  
R Spain
- I** *Helictotrichon namaquense* Schweick. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Helictotrichon petzense* H.Melzer 20171  
R Austria  
R (former) Yugoslavia
- R** *Helictotrichon pubescens* (Hudson) Besser ex Schult. & Sch.f ssp. *longifolia* (Boiss.) M. Dogan 12840  
R 12840 Turkey 12840
- R** *Helictotrichon sarracenorum* (Gand.) Holub 20171  
R Spain
- I** *Hemarthria debilis* Bor 19120  
I 19120 Thailand 19120
- I** *Hemarthria stolonifera* Bor 19120  
I 19120 Thailand (thailand) 19120
- I** *Heteropogon bellariensis* (Hackel) C. Fischer  
I India - Andhra Pradesh
- I** *Heteropogon polystachyos* (Roxb.) Schult.  
I India (Peninsular India)
- R** *Hierochloa alpina* (Sorensen) G. Weim. ssp. *orthantha* (Sorensen) G. Weim. 20850  
I 20850 Canada - Labrador 20850  
I 20850 Canada - Newfoundland 20850  
E 20850 Canada - Ontario 20850  
I 20850 Canada - Quebec 20850  
I 20850 U.S. - Kentucky 20850  
I 20850 U.S. - North Carolina 20850
- R** *Hierochloa submutica* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- E** *Hilaria annua* J. & C. Reeder 20883  
I 20883 Mexico 20883
- E** *Hilaria davidsei* Pohl 9037  
E 9727 Costa Rica 9037
- V** *Holcus caespitosus* Boiss. 19818, 20171  
V 19818 Spain (Andalucia) 19818
- R** *Holcus grandiflorus* Boiss. & Reut. 20171  
R 11496 Spain 11496
- I** *Holcus setiglimis* Boiss. & Reut. ssp. *duriensis* Pinto da Silva 8000, 20171  
I 20874 Portugal (north-east) 8000  
I 20874 Spain 20874
- R** *Homopholis belsonii* C.E.Hubb. 20681  
R 20681 Australia - New South Wales 20681  
Ex/E 20681 Australia - Queensland 20681
- R** *Hordeum mustersii* Nicora 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Santa Cruz (Güer Aike) 20176
- R** *Hordeum parodii* Covas 19574  
R 19574 Argentina 19574
- Ex** *Hubbardia heptaneuron* Bor 11494  
Ex 11494 India - Karnataka (Gersoppa Falls, north Canara) 11494
- V** *Humbertochloa greenwayi* C.E. Hubbard 7959  
V 5926 Tanzania (Uzaramo Distr.) 7959
- I** *Hypseochoa cameroonensis* C.E. Hubb.  
I Cameroon (Cameroon Mt)
- V** *Ichnanthus drepanophyllus* Mez 20883  
I 20883 Brazil 20883
- E** *Ichnanthus lancifolius* var. *weberbaueri* (Mez) Stieber 20883  
I 20883 Peru 20883  
I 20883 Venezuela 20883
- E** *Ichnanthus longiglumis* Mez 20883  
I 20883 Brazil 20883
- I** *Isachne angladei* C. Fischer 14724  
I India - Tamil Nadu (endemic to Anaimalai and Palni Hills.) 14724
- I** *Isachne deccanensis* Bor 14724  
I India - Tamil Nadu (Nilgiri Hills) 14724
- R** *Isachne dimyloides* Bor 14724  
R 14724 India - Sikkim 14724
- R** *Isachne fischeri* Bor 11494  
R 11494 India - Kerala 11494
- V** *Isachne guineensis* Stapf & C.E. Hubbard 7926  
V Guinea 7926
- R** *Isachne langkawiensis* Jansen  
R Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- I** *Isachne lisboae* Hook.f. 11494  
I 11494 India - Karnataka 11494  
I 11494 India - Maharashtra (Panchgani; Mahabaleshwar) 11494
- R** *Isachne oreades* (Domin) Bor 14724  
R 14724 India - Tamil Nadu (Nilgiri Hills) 14724
- I** *Isachne puberula* Bor 19120  
I 19120 Thailand 19120
- R** *Isachne pygmaea* Griseb. 20883  
R 20883 Jamaica 20883
- R** *Isachne setosa* Hook. f. 14724  
R 14724 India - Karnataka 14724  
R 14724 India - Kerala 14724  
R 14724 India - Tamil Nadu 14724
- V** *Ischaemum byrone* (Trin.) A.S. Hitchc. 20850, 14209  
? Fiji 8006  
? French Polynesia - Society Is. (Magaia) 8006  
? Niue 8006  
? Tonga 8006  
R U.S. - American Samoa (Pioa Mt, Tutuila) 8006  
V 20850 U.S. - Hawaii (Molokai, Maui, and Hawaii) 20850
- I** *Ischaemum glaucescens* Merr. 13833

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Ischaemum*

- I 13833 Philippines (L. Manguao) 13833
- I *Ischaemum hansenii* Bor 19120  
I 19120 Thailand 19120
- I *Ischaemum kingii* Hook.f.  
I India - Rajasthan (Mt Abu)
- E *Ischaemum polystachyum* Presl var. *polystachyum*  
E U.S. - Guam (Mariana Is.)
- R *Ischaemum raizadae* Haemadri & Billore 13883  
R 13883 India - Maharashtra (three districts) 13883
- I *Ischaemum santapau* Bor  
I India - Gujarat (Dangs)  
I India - Maharashtra (Karjat)
- I *Ischnochloa falconeri* Hook.f.  
I India - Uttar Pradesh
- R *Koeleria embergeri* Quezel  
R Morocco
- I *Koeleria majorifolia* Borb. 17786  
I 17786 Hungary 17786
- I *Koeleria sclerophylla* P.A.Smirn. 5942, 20171  
I 5942 Russia (E.Europe) - South 5942  
I 5942 Kazakhstan 5942
- E *Leersia stipitata* Bor 19120  
E 19120 Thailand 19120
- R *Leptochloa ginae* Maire  
R Morocco
- E *Lepturidium insulare* Hitchc. & Ekman 5607  
E 19105 Cuba (Juventud Is.) 5607
- R *Lepturus geminatus* C.E.Hubb. 20681  
R 20681 Australia - Queensland 20681
- R *Lepturus xerophilus* Domin 20681  
R 20681 Australia - Queensland 20681
- V *Leymus pacificus* (Gould) Dewey 20850  
I 20850 U.S. - California 20850
- I *Libyella cyrenaica* (E. Dur. & G. Barratte) Pampan.  
I Libya
- R *Limnopoa meeboldii* (C. Fischer) C.E. Hubb. 11494  
R 14724 India - Kerala 11494
- V *Lithachne humilis* Soderstrom & C. Calderón 12013  
V 9727 Honduras 12013
- V *Lolium lowei* Menezes  
V Portugal - Madeira  
V Spain - Canary Is.
- E *Lophochlaena oregona* (Chase) P.H. But 20850  
E 20850 U.S. - Oregon 20850
- E *Lophochlaena refracta* var. *hooverianus* (L. Benson) A. & D. Love 20850  
E 20850 U.S. - California 20850
- I *Lophochloa clarkeana* (Domin) Bor  
I India - Jammu & Kashmir
- R *Loudetia jaegerana* A. Camus 7926  
R Sierra Leone 7926
- R *Loxodera strigosa* (Gledhill) W. Clayton 7926  
R Sierra Leone (Loma Mts.) 7926
- I *Maclurolyra tecta* C. Calderón & Soderstrom 13825  
I 13825 Panama 13825  
I 13825 Colombia 13825
- I *Maltebrunia schliebenii* (Pilger) C.E. Hubbard 7959  
I 5926 Tanzania (Ulanga Distr.) 7959
- V *Megalachne berteroniana* Steud. 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- V *Megalachne masafuerana* 19116  
V 19125 Chile - Juan Fernandez Is. 19116
- R *Melica lilloi* Bech. 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Tucuman 20176
- R *Melica parodiana* Torres 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Buenos Aires 20176
- R *Melica teneriffae* Hackel ex Christ  
R Spain - Canary Is.
- I *Melinis drakensbergensis* (C.E.Hubb. & Schweick.) Clayton 20604  
I 20604 South Africa - Transvaal 20604
- R *Merxmuellera setacea* N.P.Barker 20604  
R 20604 South Africa - Cape Province 20604
- R *Micraira compacta* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira dentata* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira inserta* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira multinervia* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira pungens* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira spinifera* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira subspicata* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- R *Micraira viscidula* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- V *Micropyropsis tuberosa* Romero-Zarco & Cabezudo 17781  
V 20874 Spain (Huelva) 11496
- R *Miscanthus changii* Y.N. Lee 15923  
R 15923 Korea, South (Mt Sorak) 15923
- R *Miscanthus chejuensis* Y.N. Lee 15923  
R 15923 Korea, South (Mt Sorak) 15923
- E *Muhlenbergia bradegei* C.G.Reeder 20883  
I 20883 Mexico 20883
- V *Muhlenbergia californica* Vasey 20850  
V 20850 U.S. - California 20850
- V *Muhlenbergia curtifolia* Scribn. 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - Nevada 20850  
I 20850 U.S. - Utah 20850
- V *Muhlenbergia dubioides* C.O. Goodding 20850  
V 20850 U.S. - Arizona 20850
- R *Muhlenbergia jaliscana* Swallen 9722  
R 19850 Mexico - Jalisco 21204
- E *Muhlenbergia majalcensis* P. Peterson 20883  
I 20883 Mexico 20883
- R *Muhlenbergia purpusii* Mez 9722  
R 19755 Mexico 9722
- R *Muhlenbergia texana* Buckl. 20850  
I 20850 U.S. - Arizona 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Muhlenbergia*

- I 20850 U.S. - New Mexico 20850  
I 20850 U.S. - Texas 20850
- R** *Muhlenbergia torreyana* (J.A. Schultes) A.S. Hitchc. 20850  
Ex/E 20850 U.S. - Delaware 20850  
Ex/E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Maryland 20850  
R 20850 U.S. - New Jersey 20850  
Ex 20850 U.S. - New York 20850  
E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850
- V** *Muhlenbergia villosa* Swallen 20850  
20850 U.S. - New Mexico 20850  
V 20850 U.S. - Texas 20850
- R** *Muhlenbergia xerophila* C.O. Goodding 20883, 20850  
V 20850 U.S. - Arizona 20850  
I 20883 Mexico 20883
- R** *Nematopoa longipes* (Stapf & Hubbard) Hubbard 7874  
R Zimbabwe 7874
- V** *Neostapfia colusana* (Burr-Davy) Burr-Davy 20850  
V 20850 U.S. - California 20850
- R** *Neurachne tenuifolia* S.T.Blake 20681  
R 20681 Australia - Northern Territory 20681
- R** *Notochloe microdon* (Benth.) Domin 20681  
R 20681 Australia - New South Wales 20681
- R** *Ochlandra ebracteata* Raizada and Chatterjee 14723  
R 14723 India - Kerala 14723
- R** *Ochlandra setigera* Gamble 14723  
R 14723 India - Tamil Nadu 14723
- R** *Ochlandra sivagiriana* Camus 14723  
R 14723 India - Tamil Nadu (Sivagiri and Pulney Hills) 14723
- I** *Olmeca recta* Soderstrom 10831  
I 19850 Mexico 10831
- I** *Olmeca reflexa* Soderstrom 10831  
I 19850 Mexico 10831
- E** *Olyra filiformis* Trinius 13826  
E 13825 Brazil - Bahia 13826
- E** *Olyra latispicula* Soderstrom & Zuloaga 13826  
E 13825 Brazil - Bahia 13826
- V** *Orcuttia californica* Vasey 20883, 20850, 8058  
V 20850 U.S. - California 20850  
I 20883 Mexico 20883
- V** *Orcuttia inaequalis* Hoover 20850  
V 20850 U.S. - California 20850
- V** *Orcuttia pilosa* Hoover 20850  
V 20850 U.S. - California 20850
- V** *Orcuttia tenuis* A.S. Hitchc. 20850  
V 20850 U.S. - California 20850
- E** *Orcuttia viscida* (Hoover) J. Reeder 20850  
E 20850 U.S. - California 20850
- R** *Oropetium hesperidum* Maire  
R Morocco
- I** *Oryza jeyporensis* Govindasw. & Krishnam.  
I 7771 India - Orissa (Jeypore Tract) 7771
- E** *Oryza neocaledonica* Morat 20893  
E 20893 New Caledonia 20084
- R** *Oryza rehderiana* Chun 8482  
R China 8482
- R** *Oryzopsis contracta* (B.L. Johnson) Schlechter 20850  
I 20850 U.S. - Colorado 20850
- I** 20850 U.S. - Montana 20850  
**R** 20850 U.S. - Wyoming 20850
- I** *Oryzopsis humilis* Bor  
I India - Uttar Pradesh
- I** *Oryzopsis stewartiana* Bor  
I India - Himachal Pradesh
- V** *Panicum abscessum* Swallen 20850  
V 20850 U.S. - Florida 20850
- E** *Panicum beecheyi* Hook. & Arn. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- I** *Panicum beyeri* Hitchc. & Ekman 5607  
I 19105 Cuba 5607
- R** *Panicum calocarpum* R. Berhaut 7926  
R Senegal (Badi) 7926
- E** *Panicum fauriei* Hitchc. var. *carteri* (Hosaka) Davidge 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Panicum hirstii* Swallen 20850  
E 20850 U.S. - Delaware 20850  
Ex/E 20850 U.S. - Georgia 20850  
E 20850 U.S. - New Jersey 20850  
E 20850 U.S. - North Carolina 20850
- E** *Panicum lacustre* Hitchc. & Ekman 5607  
E 19105 Cuba (Pinar del Rio) 5607
- E** *Panicum lineale* St. John 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V** *Panicum lithophilum* Swallen 20850  
E 20850 U.S. - Alabama 20850  
V 20850 U.S. - Georgia 20850  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- E** *Panicum mohavense* J. Reeder 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E** *Panicum niuhauense* St. John 20850, 14209  
E 20850 U.S. - Hawaii (Ni'ihau) 20850
- V** *Panicum ramosius* A.S. Hitchc. 20850, 14209  
I 20850 U.S. - Hawaii 20850  
I 20850 U.S. - Kentucky 20850
- E** *Panicum stevensianum* A.S. Hitchc. & Chase 20883  
I 20883 Cuba 20883  
I 20883 Puerto Rico 20883
- R** *Panicum stramineum* A.S. Hitchc. & Chase 20850  
I 20850 U.S. - Arizona 20850  
I 20850 U.S. - New Mexico 20850
- E** *Panicum sublaeve* Swallen 20883, 9726  
I 20883 Panama 20883
- R** *Panicum tamaulipense* Waller & Morden 20883  
I 20883 Mexico 20883
- I** *Parahyparrhenia siamensis* W.D. Clayton 19120  
I 19120 Thailand 19120
- V** *Pariana parvispica* Pohl 9727  
V 9727 Costa Rica 9727
- E** *Pariana strigosa* Swallen 20883, 9006  
I 20883 Panama 20883
- V** *Paspalidium grandispiculatum* B.Simon 20681  
V 20681 Australia - Queensland 20681
- R** *Paspalidium scabrifolium* S.T.Blake 20681  
R 20681 Australia - Queensland 20681
- R** *Paspalidium udum* S.T.Blake 20681  
I 20681 Australia - Northern Territory 20681



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Paspalidum*

- I 20681 Australia - Queensland 20681
- I** *Paspalum acutifolium* Leon 5607  
I 19105 Cuba 5607
- Ex** *Paspalum amphyarpum* Ekman 5607  
Ex 19105 Cuba (Prov. Habana) 5607
- E** *Paspalum edmondi* Leon 5607  
E 19105 Cuba (Matanzas; Villa Clara) 5607
- I** *Paspalum galapageium* Chase var. *minoratum*  
Chase 11117  
I Ecuador - Galapagos 11117
- E** *Paspalum insulare* Ekman 5607  
E 19105 Cuba 5607
- Ex** *Paspalum jimenezii* Chase 9037  
Ex 9727 Costa Rica 9037
- R** *Paspalum reptatum* Hitchc. & Chase 13336  
R 13336 Cuba 13336  
E 13336 Jamaica (Clarendon) 19890
- E** *Paspalum uyucensis* Pohl 20883, 9490  
I 20883 Honduras 20883
- E** *Paspalum wrightii* Hitchc. & Chase 5607  
E 19105 Cuba (Pinar del Rio) 5607
- R** *Pennisetum marquicense* F. Brown  
R French Polynesia - Marquesas Is
- I** *Pennisetum schliebenii* Pig. 5926  
I 5926 Tanzania 5926
- I** *Pennisetum stolzii* Mez 5926  
I 5926 Tanzania 5926
- E** *Pennisetum tempisqueense* Pohl 9037  
E 9727 Costa Rica 9037
- I** *Pennisetum validum* Mez 5926  
I 5926 Tanzania 5926
- R** *Pentameris longiglumis* (Nees) Stapf ssp. *gymnocolea*  
N.P.Barker 20604  
R 20604 South Africa - Cape Province 20604
- V** *Pentameris longiglumis* (Nees) Stapf ssp. *longiglumis* 20604  
V 20604 South Africa - Cape Province 20604
- I** *Pentaschistis barbata* (Nees) H.P.Linder ssp. *orientalis* H.P.Linder 20604  
I 20604 South Africa - Cape Province 20604
- R** *Pentaschistis calcicola* H.P.Linder var. *hirsuta*  
H.P.Linder 20604  
R 20604 South Africa - Cape Province 20604
- I** *Pentaschistis ecklonii* (Nees) McClean 20604  
I 20604 South Africa - Cape Province 20604
- R** *Pentaschistis elegans* (Nees) Stapf 20604  
R 20604 South Africa - Cape Province 20604
- R** *Pentaschistis lima* (Nees) Stapf 20604  
R 20604 South Africa - Cape Province 20604
- E** *Phalaris maderensis* (Menezes) Menezes 17891  
E Portugal - Madeira 17891
- R** *Phippsia wilczekii* Hackel 16336  
R 16336 Argentina 16336
- E** *Phleum crypsoides* (d'Urv.) Hack. ssp. *sardoum*  
(Hack.) Horn 20171  
E 18264 Italy - Sardinia 18264
- I** *Phyllostachys assamica* Gamble ex Brandis 14723  
I 14723 India - Arunachal Pradesh 14723
- R** *Piptochaetium calvenscens* Parodi 16336  
R 16336 Argentina 16336
- R** *Piptochaetium calvescens* Parodi 20178  
R 20176 Argentina - Buenos Aires (curamalal) 20176
- V** *Plectrachne bromoides* (F.Muell.) C.E.Hubb. 20681  
14223  
V 20681 Australia - Western Australia 20681
- R** *Plectrachne contorta* Lazarides 20681  
R 20681 Australia - Northern Territory 20681
- V** *Plinthanthesis rodwayi* (C.E.Hubb.) S.T.Blake 20681  
V 20681 Australia - New South Wales 20681
- R** *Poa aitensis* Koz. et Stoeva 5204  
R 5204 Bulgaria (east) 5204
- E** *Poa alopecurus* (Gaudich.) Kunth 16336  
E 16336 Argentina 16336  
E Chile
- I** *Poa angustata* Parodi 16336  
I 16336 Argentina 16336
- V** *Poa atropurpurea* Scribn. 20850  
V 20850 U.S. - California 20850
- R** *Poa aucklandica* ssp. *rakiura* 19305  
R 19305 New Zealand - South Is. 19305
- R** *Poa breviglumis* var. *moarii* 19106  
R 19106 New Zealand - Antipodes Is. 19106
- R** *Poa calchaquiensis* Hackel 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Catamarca 20176  
R 20176 Argentina - Jujuy 20176  
R 20176 Argentina - La Rioja 20176  
R 20176 Argentina - Salta 20176  
R 20176 Argentina - Tucuman 20176
- R** *Poa chirripoensis* Pohl 9037  
R 9727 Costa Rica 9037
- R** *Poa davisii* Bor 12840  
R 12840 Turkey 12840
- R** *Poa erinacea* Speg. 16336  
R 16336 Argentina 16336  
R 20176 Argentina - Chubut 20176
- E** *Poa eyerdamii* Hulten 20850  
I 20850 U.S. - Alaska 20850
- V** *Poa fernaldiana* Nannf. 20850, 14366  
I 20850 Canada - Labrador 20850  
E 20850 Canada - Newfoundland (Island) 20850  
V 20850 Canada - Quebec 20850  
E 20850 U.S. - Maine 20850  
V 20850 U.S. - New Hampshire 20850  
E 20850 U.S. - New York 20850  
E 20850 U.S. - Vermont 20850
- E** *Poa fibrata* Swallen 20850  
E 20850 U.S. - California 20850
- R** *Poa glauca* Vahl var. *kitadakensis* (Ohwi)  
Ohwi 11164  
R 11164 Japan 11164
- I** *Poa granitica* Braun-Blanq. 6951, 20171  
I 19321 Slovakia (Only from the Tatras) 6951
- R** *Poa halmaturina* J.Black 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Tasmania 20681
- E** *Poa hartzii* Landog. ssp. *alaskana*  
Soreng 20850, 21309  
E 20850 U.S. - Alaska 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Poa*

- R** *Poa hayachinensis* Koidz. 11164  
**R** 11164 Japan 11164
- R** *Poa hothamensis* Vickery var. *parviflora*  
 N.G.Walsh 20681  
**R** 20681 Australia - Victoria 20681
- R** *Poa humillima* Pilger 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Catamarca 20176  
**R** 20176 Argentina - Tucuman 20176
- R** *Poa incrassata* Petrie  
**R** 19106 New Zealand - Antipodes Is. 19106
- R** *Poa iridifolia* Hauman 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Buenos Aires 20176
- E** *Poa laxa* Haenke ssp. *banffiana*  
 Soreng 20850  
**I** 20850 Canada - Alberta 20850  
**Ex/E** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - Montana 20850
- R** *Poa laxa* Haenke ssp. *pruinosa* E.J.  
 Nyárády 17823  
**R** 19949 Romania 19840
- R** *Poa laxiflora* Buckl. 20850  
**R** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Alaska 20850  
**R** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- R** *Poa legionensis* Fernandez Casas & Lainz  
**R** Spain
- R** *Poa lowanensis* N.G.Walsh 20681  
**R** 20681 Australia - Victoria 20681
- R** *Poa macroclada* Rydb. 20850  
**I** 20850 U.S. - Colorado 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850
- E** *Poa mannii* Munro ex Hbd. 20850, 14209  
**E** 20850 U.S. - Hawaii 20850
- R** *Poa molineri* Balbis ssp. *glacialis*  
 Beldie 17823  
**R** 19949 Romania 19840
- E** *Poa napensis* Beetle 20850  
**E** 20850 U.S. - California 20850
- E** *Poa nascopeiana* Polunin 20850, 15886  
**E** 20850 Canada - Franklin 20850
- R** *Poa ogamontana* R. Mochizuki 11164  
**R** 11164 Japan 11164
- R** *Poa paludigena* Fern. & Wieg. 20850  
**Ex** 20850 U.S. - Illinois 20850  
**R** 20850 U.S. - Indiana 20850  
**V** 20850 U.S. - Iowa 20850  
**V** 20850 U.S. - Michigan 20850  
**E** 20850 U.S. - Minnesota 20850  
**E** 20850 U.S. - New York 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Ohio 20850  
**V** 20850 U.S. - Pennsylvania 20850  
**V** 20850 U.S. - Virginia 20850  
**E** 20850 U.S. - Wisconsin 20850
- R** *Poa pannonica* A.Kern. ssp. *scabra* (Asch. & Graebn.) Soó 20171  
**R** 20686 Hungary 20686
- R** *Poa pentapotlitana* H. Scholz  
**R** Libya
- R** *Poa pirinica* Stoj. & Acht. 5204, 20171  
**R** 5204 Bulgaria (south) 5204  
**R** Greece
- V** *Poa porsildii* Gjaerevoll 20850, 6796  
**E** 20850 Canada - Mackenzie 20850  
**E** 20850 Canada - Yukon Territory 20850  
**E** 20850 U.S. - Alaska 20850
- R** *Poa pringlei* Scribn. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Nevada 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- I** *Poa pseudamoena* Bor  
**I** India - Uttar Pradesh (Kumaun, Garhwal)
- R** *Poa pseudobulbosa* Bor 12840  
**R** 12840 Turkey 12840
- R** *Poa rehmannii* (Asch. & Graebn.) Wol 8000, 20171  
**R** 19949 Romania 8000  
**I** former European USSR 8000
- E** *Poa rhadina* Bor  
**E** India - Uttar Pradesh (Tehri Garhwal)
- I** *Poa riphaea* (Asch. & Graebn.) Fritsch 2050, 20171  
**Ex/E** 2050 Czech Republic (Hruby Jeseník Mts.) 6951  
**I** 17821 Slovakia 17821
- R** *Poa sachalinensis* (Koidz.) Honda var. *yatsugataensis* (Honda) Ohwi 11164  
**R** 11164 Japan 11164
- V** *Poa sallacustris* N.G.Walsh 20681  
**V** 20681 Australia - Victoria 20681
- E** *Poa sandvicensis* (Reichart) A.S. Hitchc. 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Poa schizantha* Parodi 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Buenos Aires 20176
- R** *Poa senex* 19305  
**R** 19305 New Zealand - South Is. 19305
- V** *Poa sierrae* J.T. Howell 20850  
**I** 20850 U.S. - California 20850
- E** *Poa siphonoglossa* Hack. 20850, 14209  
**E** 20850 U.S. - Hawaii (Kaua`i) 20850
- R** *Poa speluncarum* Edmondson 12840  
**R** 12840 Turkey 12840
- R** *Poa strictiramea* A.S. Hitchc. 20850, 9722  
**R** 20850 U.S. - Texas 20850  
**?** Mexico 9722
- R** *Poa sudicola* 19305  
**R** 19305 New Zealand - South Is. 19305
- R** *Poa talamancae* Pohl 9037  
**R** 9727 Costa Rica 9037
- R** *Poa trichophylla* Heldr. & Sart. ex Boiss. 20171  
**R** Greece
- R** *Poa umbricola* Vickery 20681  
**R** 20681 Australia - South Australia 20681
- R** *Poa unilateralis* Scribn. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**E** 20850 U.S. - Washington 20850
- R** *Poa vaseyochloa* Scribn. 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Poa*

- I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- I** *Podophorus bromoides* Philippi 19116  
 I 19125 Chile - Juan Fernandez Is. 19116
- E** *Pohlidium petiolatum* Davidse, Soderstrom & Ellis 20883, 12066  
 R 19874 Panama 20883
- I** *Polyneura squarrosa* Peter 5926  
 I 5926 Tanzania 5926
- I** *Polypogon mollis* (Th.) C.E. Hubb. & E.W. Groves 11938  
 I Tristan da Cunha (Inaccessible & Tristan Is.) 19938
- V** *Prionanthium dentatum* (L.f.) Henrard 20604  
 V 20604 South Africa - Cape Province 20604
- E** *Prionanthium ecklonii* (Nees) Stapf 20604  
 E 20604 South Africa - Cape Province 20604
- V** *Prionanthium pholiuroides* Stapf 20604  
 V 20604 South Africa - Cape Province 20604
- I** *Psathyrostachys huashanica* Keng 11815  
 I China - Shaanxi (Huashan) 11815
- V** *Pseudarrhenatherum pallens* (Link) Holub 8000, 20171  
 V 20076 Portugal 8000
- I** *Pseudodanthonia himalaica* (Hook.f.) Bor & C.E. Hubb.  
 I India - Uttar Pradesh
- R** *Pseudophleum gibbum* (Boiss.) M. Dogan 12840  
 R 12840 Turkey 12840
- V** *Ptilagrostis mongholica* (Turcz. ex Trin.) Griseb. ssp. *porteri* (Rydb.) Barkworth 20850  
 V 20850 U.S. - Colorado 20850
- R** *Puccinellia agrostidea* Sorensen 20850  
 V 20850 Canada - Mackenzie 20850  
 E 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- V** *Puccinellia anisoclada* (V. Kreez.) V. Kreez. ssp. *melderisiana* Kit Tan 12840  
 V 12840 Turkey 12840
- V** *Puccinellia arctica* (Hook.) Fern. & Weatherby 20850, 13967  
 I 20850 Canada - British Columbia 20850  
 E 20850 Canada - Franklin 20850  
 I 20850 Canada - Saskatchewan 20850  
 E 20850 Canada - Yukon Territory 20850  
 E 20850 U.S. - Alaska 20850
- V** *Puccinellia bruggemannii* Sorensen 20850, 21309  
 ? Denmark - Greenland (Extreme North and East) 21309  
 I 20850 Canada - Franklin 20850
- R** *Puccinellia byrrangensis* Tzvel. 21309  
 R 21309 Russia (E.Europe) - North 21309
- R** *Puccinellia deschampsiioides* Sorensen 20850, 6796  
 I 20850 Canada - Manitoba 20850  
 I 20850 Canada - Keewatin 20850  
 E 20850 Canada - Quebec 20850  
 E 20850 Canada - Yukon Territory 20850
- V** *Puccinellia fasciculata* (Torr.) E.P.Bicknell ssp. *pungens* (Pau) W.E. Hughes 8000, 20171  
 V 20874 Spain (east) 8000
- V** *Puccinellia foucaudii* (Hackel) Coste 20528  
 V 20528 France (west coasts) 20528
- R** *Puccinellia gorodkovii* Tzvel. 21309  
 R 21309 Russia (E.Europe) - North 21309
- E** *Puccinellia howellii* J.I. Davis 20850  
 E 20850 U.S. - California 20850
- V** *Puccinellia hulthenii* Swallen 20850  
 20850 U.S. - Alaska 20850
- R** *Puccinellia jensisjensis* (Roshev.) Tzvel. 21309  
 R 21309 Russia (E.Europe) - North 21309
- V** *Puccinellia kamtschatica* Holmb. 20850  
 V 20850 U.S. - Alaska 20850
- R** *Puccinellia kashmiriana* Bor  
 R 13883 India - Himachal Pradesh 13883  
 R 13883 India - Jammu & Kashmir 13883
- E** *Puccinellia parishii* A.S. Hitchc. 20850  
 E 20850 U.S. - Arizona 20850  
 E 20850 U.S. - California 20850  
 E 20850 U.S. - New Mexico 20850
- E** *Puccinellia poacea* Sorensen 20850, 15886, 21309  
 E 20850 Canada - Franklin 20850
- E** *Puccinellia sublaevis* (Holmb.) Tzvelev 20850  
 I 20850 U.S. - Alaska 20850
- R** *Puccinellia svalbardensis* Rønning 20171, 21309  
 R 21309 Norway 21309
- I** *Puccinellia thomsonii* J. Stewart  
 I India - Jammu & Kashmir
- V** *Puccinellia wrightii* (Scribn. & Merr.) Tzvelev 20850  
 I 20850 U.S. - Alaska 20850
- R** *Pucciphippsia czukzorum* Tzvel. 21309  
 R 21309 Russia (E.Europe) - North 21309
- R** *Qiongzhueta tumidinoda* Hsueh & Yi 17617  
 R 17617 China - Sichuan 11139  
 R 17617 China - Yunnan 11139
- E** *Rehia nervata* 13825  
 E 13825 French Guiana 13825  
 E 13825 Suriname 13825
- E** *Rhipidocladum clarkiae* Pohl 20883, 12070  
 I 20883 Costa Rica 20883
- V** *Rhipidocladum maxonii* (A. Hitchc.) McClure 9037  
 V 9727 Costa Rica 9037
- E** *Rhipidocladum pacuarensense* Pohl 20883, 12069  
 I 20883 Costa Rica 20883
- R** *Roegneria nepliana* V. Vassil. 21309  
 R 21309 Russia (E.Europe) - North 21309
- R** *Roegneria villosa* V. Vassil. ssp. *coerulea* Jurtz. 21309  
 R 21309 Russia (E.Europe) - North 21309
- R** *Rytidosperma petrosom* Connor & Edgar 19305  
 R 19305 New Zealand - North Is. 19305  
 R 19305 New Zealand - South Is. 19305
- R** *Rytidosperma tenue* (Petrie) Connor & Edgar 19305  
 R 19305 New Zealand - South Is. 19305
- I** *Sacciolepis fenestrata* Bor 19120  
 I 19120 Thailand 19120
- R** *Sasa borealis* var. *chiisanensis* (Nakai) T. Lee 15957  
 R 15923 Korea, South (Mt Chiri) 15957
- E** *Saugetia pleiostachya* Hitchc. & Ekman 5607  
 E 19105 Cuba (Pinar del Rio) 5607
- R** *Schaffnerella gracilis* (Benth.) Nash 9722  
 R 19755 Mexico 9722
- E** *Schizachyrium impressum* (Hackel) A. Camus  
 E India - Jammu & Kashmir

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Schizachyrium*

- R** *Schizachyrium lomaense* A. Camus 7926  
**R** Sierra Leone 7926
- E** *Schizachyrium niveum* (Swallen) Gould 20850  
**E** 20850 U.S. - Florida 20850
- R** *Schizachyrium paranjpyeanum* (Bhide) Raizada et Jain 13883  
**R** 13883 India - Karnataka 13883  
**R** 13883 India - Maharashtra 13883
- E** *Schizachyrium parvifolium* (Hitche.) Borh. & Catusas 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- I** *Schizostachyum palawanense* Gamble 13833  
**I** 13833 Philippines (low and medium altitudes) 13833
- R** *Schmidtia quinqueseta* Benth. ex Ficalho & Hiern  
**R** Egypt
- V** *Secale africanum* Stapf 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Secale cereale* L. var. *ancestrale* (Zhuk.) Kit Tan 12840  
**R** 12840 Turkey 12840
- I** *Secale kuprijanovii* Grossh. 5942  
**I** 5942 Russia - North Caucasus 5942  
**I** 5942 Georgia 5942
- R** *Secale rhodopaecum* Delip. 5204  
**R** 5204 Bulgaria (South Bulgaria - one site only.) 5204
- I** *Secale vavilovii* Grossh. 5942  
**I** 5942 Armenia 5942  
**I** 5942 Azerbaijan 5942
- R** *Semiarundinaria pantlingii* Gamble 14723  
**R** 14723 Bhutan 14723  
**R** 14723 India - Arunachal Pradesh 14723  
**R** 14723 India - Sikkim 14723
- R** *Sesleria araratica* Kit Tan 12840  
**R** 12840 Turkey 12840
- R** *Sesleria doerfleri* Hayek 20171  
**R** 20731 Greece - Crete 20731
- R** *Sesleria heuflerana* Schur ssp. *hungarica* (Ujhelyi) Deyl 19321, 20171  
**R** 20686 Hungary 20686  
**I** 19751 Poland 19751  
**V** 19321 Slovakia 19321
- R** *Sesleria klasterskii* Deyl  
**R** Bulgaria
- R** *Sesleria taygetea* Hayek 20171  
**R** Greece
- V** *Setaria jaffrei* Morat 20893  
**V** 20893 New Caledonia 20893
- E** *Setaria paraguayensis* Pensiero 20883  
**E** 20883 Paraguay 20883
- R** *Simplicia buchananii* Zotov  
**R** New Zealand - South Is.
- E** *Simplicia laxa* Kirk 86  
**E** 19305 New Zealand - South Is. 19305
- V** *Sorghastrum apalachicolense* D.W. Hall 20850  
**I** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Mississippi 20850
- R** *Sorghum annuum* Trabut 10487  
**R** 14958 Algeria 10487
- R** *Sorghum macrospermum* Garber 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Sphenopus ehrenbergii* Hausskn.  
**R** Egypt  
**R** Libya  
**R** Tunisia
- E** *Sporobolus caespitosus* Kunth 3204  
**E** 3204 Ascension Is. 3204
- Ex/E** *Sporobolus durus* Brongn. 3204  
**Ex/E** 3204 Ascension Is. 3204
- V** *Sporobolus interruptus* Vasey 20850  
**I** 20850 U.S. - Arizona 20850
- R** *Sporobolus lanuginellus* Maire  
**R** Morocco
- Ex** *Sporobolus linearis* Mez 20773  
**Ex** 20771 Mauritius 20773
- Ex** *Sporobolus mauritanicus* (Steud.) Durand & Schinz 20773  
**Ex** 20771 Mauritius 20773
- V** *Sporobolus minimus* Cope 20146  
**V** 20146 Oman (Dhofar) 20146  
**V** 20146 Somalia (Dhofar) 20146
- V** *Sporobolus temomairemensis* Judziewicz & Peterson 20883  
**I** 20883 Brazil 20883  
**I** 20883 Suriname 20883
- E** *Sporobolus teretifolius* Harper 20850  
**V** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850
- R** *Sporobolus tharpaii* A.S. Hitchc. 20850  
**R** 20850 U.S. - Texas 20850
- R** *Stipa aktauensis* Roshev.  
**R** former USSR 6930
- I** *Stipa anomala* P.A.Smirn. 5942, 20171  
**I** 5942 Russia (E Europe) - South 5942  
**I** 5942 Ukraine 5942
- R** *Stipa apertifolia* Martinovsky 20171  
**R** Spain
- R** *Stipa aquarii* Vickery, S.W.L.Jacobs & Everett 20681  
**R** 20681 Australia - Northern Territory 20681
- E** *Stipa austroitalica* Martinovsky 8000, 20171  
**E** Italy 8000  
**E** Italy - Sicily 8000
- V** *Stipa bavarica* Martinovsky & H.Scholz 8000, 20171  
**V** 20640 Germany (near Neuburg, Danube River) 20644
- R** *Stipa breviglumis* J.Black 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- R** *Stipa centralis* Vickery, S.W.L.Jacobs & Everett 20681  
**R** 20681 Australia - Northern Territory 20681
- I** *Stipa chitralensis* Bor  
**I** India - Jammu & Kashmir
- V** *Stipa crassiculmis* Smirnow ssp. *heterotricha* Dihoru & Roman 17823  
**V** 19949 Romania 19840
- R** *Stipa cretacea* P.A.Smirn. 8000, 20171  
**R** former European USSR 8000
- V** *Stipa danubialis* Dihoru & Roman 8000, 20171  
**V** 19949 Romania 8000

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Stipa*

- R** *Stipa dasyphylla* (Lindem.) Trautv. 8000, 20171  
**R** 2050 Czech Republic 2050  
**E** 20640 Germany 20640  
**V** 20686 Hungary 17786  
**R** 19947 Romania 19840  
**V** 19321 Slovakia 19321  
**V** 11552 Russian Federation (west, Ural Mts., south-west Siberia) 11552
- R** *Stipa diegoensis* Swallen 20850  
**R** 20850 U.S. - California 20850
- R** *Stipa echinata* Vickery, S.W.L.Jacobs & Everett 20681  
**R** 20681 Australia - South Australia 20681
- R** *Stipa feresetacea* Vickery, S.W.L.Jacobs & Everett 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Stipa hendersonii* (Vasey) Muhl. 20850  
**V** 20850 U.S. - Oregon 20850  
**V** 20850 U.S. - Washington 20850
- V** *Stipa hirticulmis* Hatch, Valdés & Morden 20883, 12065  
**I** 20883 Mexico 20883
- Ex/E** *Stipa horridula* Pilger in Skottsberg 19117  
**Ex/E** 19117 Chile - Easter Is. (slopes of Mt. Katiki.) 19117
- I** *Stipa karataviensis* Rosch. 5942  
**I** 5942 Kazakhstan 5942
- R** *Stipa lithophila* P.A.Smirn. 5942, 20171  
**R** 5942 Ukraine - Crimea 5942
- R** *Stipa longiplumosa* Roshev.  
**R** former USSR 6930
- R** *Stipa magnifica* Junge  
**R** former USSR 6930
- R** *Stipa mayeri* Martinovsky 20171  
**R** (former) Yugoslavia
- V** *Stipa metatoris* Everett & S.W.L.Jacobs 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - South Australia 20681
- R** *Stipa multispiculis* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- R** *Stipa novakii* Martinovsky 20171  
**R** (former) Yugoslavia
- V** *Stipa nullanulla* Everett & S.W.L.Jacobs 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- I** *Stipa pellita* (Trin. & Rupr.) Tzvelev 5942  
**I** 5942 Azerbaijan (Baku) 5942
- R** *Stipa petriei* Buchan. 19305  
**R** 19305 New Zealand - South Is. 19305
- R** *Stipa rechingeri* Martinovsky 20171  
**R** Greece
- V** *Stipa sicula* Moraldo, La Valva, Ricciardi & Caputo 18264  
**V** 18264 Italy - Sicily 18264
- R** *Stipa stillmanii* Boland. 20850  
**I** 20850 U.S. - California 20850
- V** *Stipa styriaca* Martinovsky 20171  
**V** Austria
- I** *Stipa syreistschikowii* P. Smirn. 20654  
**I** 5942 Russia - North Caucasus 5942  
**E** 20655 Ukraine - Crimea 20655
- R** *Stipa trichoides* P. Smirnow  
**R** former USSR 6930
- E** *Stipa veneta* Moraldo 17891  
**E** 18264 Italy (Veneto) 18264
- R** *Stipa ventanicola* Cabrera & Torres 16336  
**R** 20176 Argentina - Buenos Aires 20176
- E** *Stipa wakoilica* Vickery, S.W.L.Jacobs & Everett 20681  
**E** 20681 Australia - New South Wales 20681
- R** *Stipa zalesskii* Wilensky 8000  
**R** Czech Republic  
**R** Slovakia  
**V** 11552 Russian Federation (Caucasus, west, south-west & east Siberia) 11552
- I** *Stipagrostis dhofariensis* Cope 20146  
**I** 20146 Oman (Dhofar) 20146
- E** *Stipagrostis drarii* (Tackh.) de Winter  
**E** Egypt
- I** *Stipagrostis masirahensis* H. Scholz 20146  
**I** 20146 Oman (Masirah Island) 20146
- R** *Stipagrostis proxima* (Steud) De Winter 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Orange Free State 20604
- R** *Stipagrostis rigidifolia* H. Scholz  
**R** Chad
- R** *Stipagrostis zittelii* (Asch.) de Winter  
**R** Egypt  
**R** Libya
- Ex** *Streptochaeta angustifolia* Soderstrom 13827  
**Ex** 13827 Brazil 13827
- E** *Sucrea monophylla* Soderstrom 13825  
**E** 13825 Brazil - Bahia 13825
- Ex** *Sucrea sampaiana* (A. Hitch.) Soderstrom 13825  
**Ex** 13825 Brazil - Espirito Santo 13825
- E** *Swallenia alexandrae* (Swallen) Soderstrom & Decker 20850  
**E** 20850 U.S. - California 20850
- I** *Teinostachyum beddomei* C. Fischer  
**I** India - Kerala (Travancore Hills)  
**I** India - Tamil Nadu (Nilgirn Hills)
- R** *Thamnocalamus tessellatus* (Nees) Soderstr. & R.P.Ellis 20604  
**I** 20039 Swaziland 20604  
**V** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604  
**V** 20604 South Africa - Orange Free State 20604
- E** *Thrasya ciliatifolia* Swallen 20883, 9006  
**I** 20883 Panama 20883
- E** *Thrasya gracilis* Swallen 20883, 10747  
**I** 20883 Panama 20883
- V** *Torreyochloa californica* (Beetle) Church 20850  
**I** 20850 U.S. - California 20850
- E** *Tovaroachloa peruviana* J. MacFarlane & But 12468  
**E** 19966 Peru 12468
- I** *Triniochloa micrantha* (Scribner) A. Hitchc. 9722  
**I** 19850 Mexico 9722
- R** *Triodia lanata* J.Black 20681  
**R** 20681 Australia - South Australia 20681
- I** *Tripogon larsenii* Bor 19120  
**I** 19120 Thailand 19120

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Gramineae: *Tripogon*

- R** *Tripogon longearistatus* Honda var. *japonicus*  
Honda 11164  
**R** 11164 Japan 11164
- V** *Tripsacum floridanum* Porter ex Vasey 20850  
**V** 20850 U.S. - Florida 20850
- I** *Triscenia ovina* Griseb. 5607  
**I** 19105 Cuba 5607
- V** *Trisetaria dufourei* (Boiss.) Paunero 8000, 20171  
**V** 14155 Portugal (south) 8000  
**V** 14155 Spain (south west) 8000
- R** *Trisetaria nitida* (Desf.) Maire 10487  
**R** 14958 Algeria 10487
- Ex/E** *Trisetum burnoufii* Req. ex Parl. 20171  
**Ex/E** 20726 France - Corsica 15080
- V** *Trisetum conradiae* Gamisans 15080, 20171  
**V** 20528 France - Corsica 15080
- V** *Trisetum gracile* (Moris) Boiss. 20171  
**V** 20528 France - Corsica 20528  
**V** 20528 Italy - Sardinia 20528
- R** *Trisetum howellii* A. Hitchc. 11117  
**R** Ecuador - Galapagos 11117
- E** *Trisetum inaequale* Whitney 20850, 14209  
**E** 20850 U.S. - Hawaii (Lana'i and Maui) 20850
- R** *Trisetum longiglume* Hackel var. *glabrata*  
Nicora 16336  
**R** 16336 Argentina 16336
- R** *Trisetum longiglume* Hackel var. *longiglume* 16336  
**R** 16336 Argentina 16336  
**R** 16337 Chile 16337
- I** *Trisetum micans* (Hook.f.) Bor  
**I** India - Jammu & Kashmir  
**I** India - Uttar Pradesh (Tehri Garhwal)
- R** *Trisetum thospiticum* Chrték 12840  
**R** 12840 Turkey 12840
- R** *Trisetum wrangelense* (Petrovsky) Probat. 21309  
**R** 21309 Russia (E. Europe) - North 21309
- I** *Triticum araraticum* Jakubz. 5942  
**I** 5942 Armenia 5942  
**I** 5942 Azerbaijan 5942
- I** *Triticum timopheevii* (Zhuk.) Zhuk. 5942  
**I** 5942 Georgia 5942
- I** *Triticum urartu* Thumanjan ex Gandilyan 5942  
**I** 5942 Armenia 5942
- V** *Tuctoria greenei* (Vasey) J. Reeder 20850  
**V** 20850 U.S. - California 20850
- E** *Tuctoria mucronata* (Crampton) J. Reeder 20850, 11059  
**E** 20850 U.S. - California (central Solano County) 20850
- E** *Urelytrum pallidum* C.E. Hubbard 7926  
**E** 6072 Ghana 7926
- E** *Urelytrum semispirale* W. Clayton 7926  
**E** 6072 Ghana 7926
- R** *Vaseyochloa multinervosa* (Vasey) A.S. Hitchc. 20850  
**R** 20850 U.S. - Texas 20850
- R** *Ventenata eigiana* (H. Scholz & Raus) M. Dogan 12840  
**R** 12840 Turkey 12840
- R** *Vetiveria arguta* (Steud.) C.E. Hubb. 5852  
**R** 20771 Mauritius (incl. Round Is.) 20773  
**V** 5852 Mauritius - Rodrigues (Grande Mt & Mont

Malartic) 5852

- V** *Vulpia fontquerana* Melderis & Stace 19818, 20171  
**V** 19818 Spain (Cádiz & Huelva) 19818
- E** *Vulpia obtusa* Trabut 10487  
**E** 14958 Algeria 10487
- R** *Whiteochloa multiciliata* Lazarides 20681  
**R** 20681 Australia - Northern Territory 20681
- R** *Willbleibia stolonifera* (Parodi) Herter 16336  
**R** 16336 Argentina 16336
- R** *Willkommia texana* A.S. Hitchc. 20850  
**R** 20850 U.S. - Texas 20850
- V** *Zea diploperennis* Iltis, Doebley & Guzmán 20883, 9019  
**V** 9114 Mexico - Jalisco 9114
- Ex** *Zea mexicana* (Schrader) Reeves & Mangelsd. 10260  
**Ex** 9114 Mexico 9114
- E** *Zea perennis* (A. Hitchc.) Mangelsd. & Reeves 9019  
**E** 9114 Mexico - Jalisco 9114
- E** *Zeugites panamensis* Swallen 20883, 9006  
**I** 20883 Panama 20883
- I** *Zingeria biebersteiniana* (Claus) P. Smirn. 11552, 20171  
**I** 5942 Russia (E. Europe) - South 5942  
**I** 5942 Georgia 5942  
**I** 5942 Kazakhstan 5942  
**I** 5942 Ukraine - Crimea 5942
- R** *Zingeria verticillata* (Boiss. & Bal.) Chrték 12840  
**R** 12840 Turkey 12840
- E** *Zizania texana* A.S. Hitchc. 20850  
**E** 20850 U.S. - Texas 20850

**Haemodoraceae**

Number of genera: 16  
Number of species: 100  
Recorded threatened species: 15 (15%)

Mostly Southern Hemisphere, but reaching northern United States.

- V** *Anigozanthos bicolor* Endl. ssp. *minor* (Benth.)  
Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Anigozanthos humilis* Lindley ssp. *chrysanthus*  
Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Anigozanthos viridis* Endl. ssp. *terraspectans*  
Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Conostylis drummondii* Benth. 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Conostylis lepidospermoides* Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Conostylis micrantha* Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- V** *Conostylis misera* Endl. 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Conostylis pauciflora* Hopper ssp. *pauciflora* 20681  
**R** 20681 Australia - Western Australia 20681
- V** *Conostylis rogeri* Hopper 20681  
**V** 20681 Australia - Western Australia 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Haemodoraceae: *Conostylis*

- V** *Conostylis seorsiflora* F.Muell. ssp. *trichophylla*  
Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- E** *Conostylis setigera* R.Br. ssp. *dasy*  
Hopper 20681  
**E** 20681 Australia - Western Australia 20681
- V** *Conostylis wonganensis* Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Haemodorum distichophyllum* Hook. 20681  
**R** 20681 Australia - Tasmania 20681
- V** *Tribonanthes purpurea* Hopper 20681  
**V** 20681 Australia - Western Australia 20681
- R** *Xiphidium xanthorrhizon* Wrigth 20883  
**R** 20883 Cuba 20883

**Heliconiaceae**

Number of genera: 1  
Number of species: 100  
Recorded threatened species: 43 (43%)

Tropical and subtropical South and Central America; one species widespread in southwestern Pacific islands.

- V** *Heliconia angusta* Vell. 17079  
**V** 17746 Brazil - Espirito Santo 17079  
**V** 17079 Brazil - Rio de Janeiro (município do Rio de Janeiro, Magé, Petrópolis & Teresópolis) 17079
- R** *Heliconia atropurpurea* Daniels & Stiles 10760  
**R** 11125 Costa Rica 10760  
**V** 11125 Panama 10760
- E** *Heliconia barryana* Kress 9484  
**E** 9992 Panama 9484
- E** *Heliconia beckneri* R.R. Smith 10760  
**E** 11548 Costa Rica 10760
- E** *Heliconia bella* Kress 9484  
**E** 9992 Panama 9484
- E** *Heliconia calatheaphylla* Daniels & Stiles 10760  
**E** 9992 Costa Rica 10760
- E** *Heliconia citrina* L. Emydio & E. Santos 17079  
**E** 17079 Brazil - Rio de Janeiro (Município de Rio Bonito, Braçana, Fazenda das Cachoeiras) 17079
- V** *Heliconia clinophila* R.R. Smith 10760  
**V** 9992 Costa Rica 10760
- R** *Heliconia colgantea* R.R. Smith ex Daniels & Stiles 10759  
**E** 11125 Costa Rica 10759  
**R** 11125 Panama 10759
- R** *Heliconia collinsiana* Griggs var. *velutina*  
Kress 10759  
**R** 11125 El Salvador 10759  
**R** 11125 Guatemala 10759
- E** *Heliconia crassa* Griggs 9992  
**E** 9992 Guatemala 9992
- V** *Heliconia danielsiana* Kress 10759  
**V** 9992 Costa Rica 10759
- R** *Heliconia dasyantha* Koch & Bouche 9987  
**R** 8679 French Guiana 9987  
**R** 8679 Suriname 9987
- V** *Heliconia farinosa* Raddi. 17079  
**V** 17079 Brazil - Rio de Janeiro 17079
- V** *Heliconia fluminensis* L. Emydio & E. Santos. 17079  
**V** 17079 Brazil - Rio de Janeiro 17079
- V** *Heliconia golfodulcensis* Daniels & Stiles 10760  
**V** 9992 Costa Rica 10760
- R** *Heliconia ignescens* Daniels & Stiles 10760  
**R** 11125 Costa Rica 10760  
**R** 11125 Panama 10760
- V** *Heliconia lacletteana* L. Emydio & Santos 17079  
**V** 17079 Brazil - Espirito Santo 17079  
**V** 17079 Brazil - Rio de Janeiro (Município de Rio Bonito, Braçana, Fazenda das Cachoeiras) 17079
- R** *Heliconia lankesteri* Standley var. *rubra* Daniels & Stiles 10760  
**R** 11125 Costa Rica 10760  
**R** 11125 Panama 10760
- R** *Heliconia lennartiana* Kress 9484  
**R** 9992 Panama 9484
- V** *Heliconia lindsayana* Kress 9484  
**V** 9992 Panama 9484
- R** *Heliconia lophocarpa* Daniels & Stiles 10760  
**R** 11125 Costa Rica 10760  
**R** 11125 Panama 10760
- V** *Heliconia lutea* Kress 9484  
**V** 9992 Panama 9484
- E** *Heliconia maculata* Kress 20883, 10759  
**E** 9992 Panama 20883
- E** *Heliconia magnifica* Kress 20883, 10759  
**V** 9992 Panama 20883
- E** *Heliconia necrobracteata* Kress 20883, 10759  
**V** 9992 Panama 20883
- R** *Heliconia nutans* Woodson 10759  
**R** 11125 Costa Rica 10759  
**R** 11125 Panama 10759
- R** *Heliconia oasensis* Cuf. 10760  
**R** 11125 Costa Rica 10760  
**R** 11125 Panama 10760
- R** *Heliconia pogonantha* Cuf. var. *pubescens* Daniels & Stiles 10759  
**R** 9992 Costa Rica 10759
- V** *Heliconia pogonantha* Kress var. *veraguasensis*  
Kress 20883, 10759  
**V** 9992 Panama 20883
- E** *Heliconia ramonensis* Kress var. *glabra*  
Kress 20883, 10759  
**V** 9992 Panama 20883
- E** *Heliconia ramonensis* Kress var. *lanuginosa*  
Kress 20883, 10759  
**V** 9992 Panama 20883
- R** *Heliconia ramonensis* Daniels & Stiles var. *ramonensis* 10759  
**R** 9992 Costa Rica 10759
- V** *Heliconia ramonensis* Kress var. *xanthotricha*  
Kress 20883, 10759  
**V** 9992 Panama 20883
- V** *Heliconia rodriguezii* Stiles 11125  
**V** 9992 Costa Rica 11125
- V** *Heliconia sampaioana* L. Emydio 17079  
**V** 17079 Brazil - Rio de Janeiro (Tijuca & Teresópolis) 17079
- V** *Heliconia secunda* R.R. Smith var. *viridiflora*  
Daniels & Stiles 10759  
**V** 11125 Costa Rica 10759  
**V** 11125 Nicaragua 10759

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Heliconiaceae: *Heliconia*

- E** *Heliconia sessilis* Kress 20883  
**I** 20883 Panama 20883
- R** *Heliconia stilesii* Kress 10747  
**V** 11125 Costa Rica 10747  
**R** 11125 Panama 10747
- V** *Heliconia swartziana* Roem. & Schult. 20883  
**V** 20883 Jamaica 20883
- E** *Heliconia tacarcuna* L. Andersson 20883  
**I** 20883 Panama 20883
- R** *Heliconia talamanacana* Daniels & Stiles 10759  
**R** 11125 Costa Rica 10759  
**R** 11125 Panama 10759
- V** *Heliconia thomasiana* Kress 9484  
**V** 9992 Panama 9484
- E** *Heliconia umbrophila* Daniels & Stiles 10760  
**E** 9992 Costa Rica 10760
- R** *Heliconia vulcanicola* Stiles 11547  
**R** 9992 Costa Rica 11547
- E** *Heliconia xanthovillosa* Kress 20883, 10759  
**R** 9992 Panama 20883
- R** *Heliconia zebrina* Plowman, Kress & Kennedy 11124  
**R** 18200 Peru 11124

**Hostaceae**

Number of genera: 1  
 Number of species: 40  
 Recorded threatened species: 4 (10%)

China to Japan.

- R** *Hosta alismifolia* Fujita 11164  
**R** 11164 Japan 11164
- E** *Hosta hypoleuca* Murata 11164  
**E** 11164 Japan 11164
- R** *Hosta pulchella* Fujita 11164  
**R** 11164 Japan 11164
- V** *Hosta tibai* F. Maek. 11164  
**V** 11164 Japan 11164

**Hyacinthaceae**

Number of genera: 46  
 Number of species: 654  
 Recorded threatened species: 134 (20%)

Eurasia, Africa, North America.

- R** *Albuca crinifolia* Baker 20604  
**R** 20604 South Africa - Natal 20604
- I** *Albuca scabra* U. & D.Müll.-Doblies ined. 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Amphisiphon stylosa* W.F.Barker 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Androsiphon capensis* Schlechter 20803  
**R** 20803 South Africa - Cape Province 20803
- V** *Bellevalia brevipedicellata* Turrill 20171  
**V** 20730 Greece - Crete 20730
- R** *Bellevalia cyrenaica* Maire & M. Weiller  
**R** Libya
- R** *Bellevalia forniculata* (Fomin) Deloney 12840  
**R** 12840 Turkey 12840
- E** *Bellevalia hackelii* Freyn 8000, 20171  
**E** 20076 Portugal (south) 8000

- R** *Bellevalia lipskyi* (Miscz.) E.Wulff 20171  
**R** former European USSR
- V** *Bellevalia modesta* Wendelbo 12840  
**V** 12840 Turkey 12840
- V** *Bellevalia pomelii* Maire 10487  
**V** 14958 Algeria 10487
- R** *Bellevalia rixii* Wendelbo 12840  
**R** 12840 Turkey 12840
- E** *Bellevalia salah-eidii* Tackh. & Boulos  
**E** Egypt  
**E** Libya
- R** *Bowiea gariensis* Van Jaarsv. 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Camassia howellii* S.Watson 20850  
**V** 20850 U.S. - Oregon 20850
- V** *Camassia leichtlinii* (Baker) S.Wats. ssp. *suksdorfii* (Greenm.) Gould 20850, 10701  
**I** 20850 Canada - British Columbia 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850
- R** *Chionodoxa forbesii* Baker 12840  
**R** 19873 Turkey 12840
- E** *Chionodoxa lochiai* Meikle 14230  
**E** 19164 Cyprus 14230
- V** *Chionodoxa luciliae* Boiss. 12840  
**V** 12840 Turkey 12840
- V** *Chionodoxa sardensis* Whittall ex Barr & Sugden 12840  
**V** 12840 Turkey 12840
- V** *Chlorogalum grandiflorum* Hoover 20850  
**V** 20850 U.S. - California 20850
- E** *Chlorogalum pomeridianum* Hoover var. *minus* Hoover 20850  
**E** 20850 U.S. - California 20850
- E** *Chlorogalum purpureum* Brandeg. 20850  
**I** 20850 U.S. - California 20850
- E** *Chlorogalum purpureum* Brandege var. *purpureum* 20850  
**E** 20850 U.S. - California 20850
- E** *Chlorogalum purpureum* Brandege var. *reductum* Hoover 20850  
**E** 20850 U.S. - California 20850
- V** *Daubenya aurea* Lindl. 20604  
**V** 20604 South Africa - Cape Province 20604
- Ex** *Dipcadi concanense* (Dalz.) Baker 11494  
**Ex** 11494 India (south) 11494
- E** *Dipcadi maharashtrensis* Deb & Dasgupta 11494  
**E** 11494 India - Maharashtra (Panchgani plateau) 11494
- I** *Dipcadi minor* Hook.f. 11494  
**I** 11494 India - Maharashtra (Deccan Plateau) 11494
- I** *Dipcadi montanum* (Dalz.) Baker var. *madrasicum* (Barnes) Deb & Das Gupta  
**I** India - Tamil Nadu
- Ex** *Dipcadi reidii* Deb & Dasgupta 11494  
**Ex** 11494 India (W. Himalaya) 11494
- V** *Dipcadi saxorum* Blatter 11494  
**V** 11494 India - Maharashtra (Boriveli NP) 11494



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Hyacinthaceae: *Dipcadi*

- I** *Dipcadi turkestanicum* Vved. 5942  
**I** 5942 Tajikistan (border with Uzbekistan) 5942  
**I** 5942 Uzbekistan (border with Tajikistan) 5942
- R** *Drimia minor* (A.V.Duthie) Jessop 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Drimia razii* Ansari 13883  
**R** 13883 India - Maharashtra 13883
- R** *Eucomis vandermerewei* I.Verd. 20604  
**R** 20604 South Africa - Orange Free State 20604  
**R** 20604 South Africa - Transvaal 20604
- E** *Hastingsia atropurpurea* Becking 20850  
**E** 20850 U.S. - Oregon 20850
- V** *Hastingsia bracteosa* S.Watson 20850  
**V** 20850 U.S. - Oregon 20850
- R** *Hesperocallis undulata* Gray 20850  
**I** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- R** *Hyacinthella acutiloba* K. Pearson & Wendolbo 12840  
**R** 12840 Turkey 12840
- R** *Hyacinthella achleyi* (A.K.Jacks. & Turrill)  
 Feinbrun 8000, 20171  
**R** 14155 Greece 8000
- R** *Hyacinthella campanulata* K. Persson & Wendolbo 12840  
**R** 12840 Turkey 12840
- R** *Hyacinthella dalmatica* (Baker) Chouard 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**R** (former) Yugoslavia
- R** *Hyacinthella glabrescens* (Boiss.) K. Persson & Wendolbo 12840  
**R** 12840 Turkey 12840
- R** *Hyacinthella hispida* (J. Gay) Chouard 12840  
**R** 12840 Turkey 12840
- R** *Hyacinthella micrantha* (Boiss.) Chouard 12840  
**R** 12840 Turkey 12840
- I** *Hyacinthella pallasiana* (Steven) Losinsk. 8000, 20171  
**I** former European USSR 8000
- R** *Hyacinthella siirtensis* Matthew 12840  
**R** 12840 Turkey 12840
- I** *Hyacinthella transcaspica* (Litv.) Chouard 5942  
**I** 5942 Turkmenistan 5942
- V** *Hyacinthoides vicentina* (Hoffmanns. & Link)  
 Rothm. 8000, 20171  
**V** 20076 Portugal (south west) 8000
- V** *Hyacinthus orientalis* L. ssp. *chionophilus*  
 Wendelbo 12840  
**V** 12840 Turkey 12840
- R** *Lachenalia ameliae* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia angelica* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia barkeriana* U.Müll.-Doblies, B.Nord. & D.Müll.-Doblies 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia buchbergensis* Dinter 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Lachenalia campanulata* Baker 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Lachenalia concordiana* Schltr. ex W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Lachenalia convallarioides* Baker 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Lachenalia dasybotrya* Diels 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia dehoopensis* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Lachenalia duncanii* W.F.Barker 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Lachenalia glaucophylla* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Lachenalia haarlemensis* Fourc. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Lachenalia kliprandensis* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia macgregorium* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia martinae* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Lachenalia mathewsii* W.F.Barker 20604, 3774  
**E** 20604 South Africa - Cape Province 20604
- R** *Lachenalia maximiliani* Schltr. ex W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Lachenalia minima* W.F.Barker 20604  
**E** 20604 South Africa - Cape Province 20604
- E** *Lachenalia moniliformis* W.F.Barker 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Lachenalia nordenstamii* W.F.Barker 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Lachenalia physocaulos* W.F.Barker 20604  
**I** 20604 South Africa - Cape Province 20604
- E** *Lachenalia polyphylla* Baker 20604, 17785  
**E** 20604 South Africa - Cape Province (Tulbagh district) 20604
- R** *Lachenalia polypodantha* Schltr. ex W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Lachenalia purpureo-caerulea* Jacq. 20604  
**E** 20604 South Africa - Cape Province 20604
- I** *Lachenalia rhodantha* Baker 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Lachenalia schelpei* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia thomasiae* W.F.Barker & G.D.Duncan 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Lachenalia verticillata* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Lachenalia viridiflora* W.F.Barker 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Ledebouria cremnophila* S.Venter ined. 20604  
**R** 20604 South Africa - Transvaal 20604
- E** *Leopoldia albiflora* Tackh. & Boulos  
**E** Egypt
- R** *Leopoldia bicolor* (Boiss.) Eig & Feinbrun  
**R** Egypt
- V** *Leopoldia gussonei* Parl. 19997  
**V** 19997 Italy - Sicily (southern) 19997

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Hyacinthaceae: *Leopoldia*

- E** *Leopoldia longistyla* Tackh. & Boulos  
**E** Egypt
- R** *Leopoldia salah-eidii* Tackh. & Boulos  
**R** Egypt
- R** *Muscari dionysicum* Rech.f. 20171  
**R** Greece
- V** *Muscari discolor* Boiss. & Hausskn. 12840  
**V** 12840 Turkey 12840
- R** *Muscari latifolium* Kirk 12840  
**R** 12840 Turkey 12840
- R** *Muscari microstomum* Davis & Stuart 12840  
**R** 12840 Turkey 12840
- V** *Muscari muscarimi* Medik. 12840, 20171  
**V** 12840 Turkey 12840
- R** *Muscari sandrasicum* Karlen 12840  
**R** 12840 Turkey 12840
- R** *Neopaterosonia namaquensis* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum amphibolum* Zahar. 5942, 20171  
**R** Bulgaria 8000  
**V** 19949 Romania 8000  
**I** 5942 Moldova 5942
- I** *Ornithogalum arcuatum* Velen. 5942, 20171  
**I** 5942 Azerbaijan 5942
- R** *Ornithogalum atticum* Boiss. & Heldr. 20171  
**R** Greece
- R** *Ornithogalum costatum* Zahar. 20171  
**R** Greece
- R** *Ornithogalum deltoideum* Baker 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum diluculum* Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum esterhuyseniae* Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum exaratum* Zahar. 20171  
**R** Greece
- R** *Ornithogalum geniculatum* Oberm. 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum glandulosum* Oberm. 20604  
**R** 20604 Namibia 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Ornithogalum hallii* Oberm. 20604  
**V** 20604 South Africa - Cape Province 20604
- I** *Ornithogalum hyrcanum* Grossh. 5942  
**I** 5942 Azerbaijan 5942
- R** *Ornithogalum inclusum* Leight. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum naviculum* W.F.Barker 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum nivale* Boiss. 12840  
**R** 12840 Turkey 12840
- R** *Ornithogalum oreoides* Zahar. 8000, 20171  
**R** Bulgaria 8000  
**I** 19417 Romania 8000  
**I** 5942 Moldova 5942
- R** *Ornithogalum orthophyllum* Ten. ssp. *acuminatum*  
 (Schur) Zahar. 17823, 20171  
**R** 19949 Romania 20635
- V** *Ornithogalum orthophyllum* Ten. ssp. *psammophilum*  
 (Zahar.) Zahar. 8000, 20171  
**V** 19949 Romania (eastern) 8000
- R** *Ornithogalum pilosum* L.f. ssp. *pullatum* (Leight.)  
 Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Ornithogalum rupestre* L.f. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum sardienii* Van Jaarsv. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Ornithogalum secundum* Jacq.  
**I** Southern Africa
- R** *Ornithogalum sorgerae* H. Wittmann 12840  
**R** 12840 Turkey 12840
- I** *Ornithogalum thermophilum* Leight. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum unifoliatum* (G.D.Rowley) Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Ornithogalum zebrinum* (Baker) Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Rhadamanthus urantherus* R.A.Dyer 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Schoenolirion wrightii* Sherman 20850  
**I** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Arkansas 20850  
**V** 20850 U.S. - Texas 20850
- R** *Scilla atropatana* Grossh.  
**R** former USSR 6930
- V** *Scilla beirana* Samp. 8000, 20171  
**V** 20076 Portugal (Beira Alta) 8000
- V** *Scilla corsica* Boullu 20528  
**V** 20528 France - Corsica 20528  
**V** 20528 Italy - Sardinia 20528
- R** *Scilla cupanii* Guss. 18264, 20171  
**R** 18264 Italy - Sicily 18264
- R** *Scilla hughii* Tineo ex Guss. 18264, 20171  
**R** 18264 Italy (Campania) 18264  
**R** 18264 Italy - Sicily 18264
- R** *Scilla latifolia* Willd.  
**I** Morocco  
**R** Spain - Canary Is.
- R** *Scilla lazulina* Wild 7754  
**R** Zimbabwe 7754
- R** *Scilla leepii* Speta 12840  
**R** 12840 Turkey 12840
- R** *Scilla litardierei* Breistr. 20171  
**V** 21091 Bosnia & Herzegovina 21091  
**V** 13662 Slovenia (central) 13662
- V** *Scilla maderensis* Menezes 17891  
**E** Portugal - Madeira 17891  
**V** Portugal - Salvage Is.
- R** *Scilla messeniaca* Boiss. 20171  
**R** 20731 Greece (Peloponnisos) 20731
- E** *Scilla morrisii* Meikle 14230  
**E** 19164 Cyprus 14230
- R** *Scilla odorata* Link 8000, 20171  
**V** 20076 Portugal (south) 8000  
**R** Spain (south) 8000
- R** *Scilla pau* Lacaita 11496  
**R** 11496 Spain 11496

**The 1997 IUCN Red List of Threatened Plants**

**Liliopsida (monocots): Hyacinthaceae: Scilla**

- R** *Scilla plumbea* Lindl. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Scilla reverchonii* Degen & Hervier 20171  
R Spain
- E** *Scilla viridis* Blatter & Hallberg 11494  
E 11494 India - Maharashtra 11494
- I** *Urginea minor* A.V.Duthie 20604  
I 20604 South Africa - Cape Province 20604
- Ex** *Urginea polyphylla* Hook.f. 11494  
Ex 11494 India (Deccan Plateau) 11494

- V 17617 China - Guizhou 11139  
V 17617 China - Sichuan (Bushu) 11139  
V 17617 China - Yunnan 11139

- R** *Vallisneria gracilis* F.M.Bailey 20681  
R 20681 Australia - Queensland 20681
- R** *Vallisneria higoensis* (Miki) Ohwi 11164  
R 11164 Japan 11164

**Hydatellaceae**

Number of genera: 2  
Number of species: 7  
Recorded threatened species: 2 (28%)

Australia, New Zealand, Tasmania.

- R** *Hydatella filamentosa* (Rodway) W.M.Curtis 20681  
R 20681 Australia - Tasmania 20681
- V** *Hydatella inconspicua* (Cheeseman) Cheeseman 86  
V 19305 New Zealand - North Is. 19305
- Ex** *Hydatella leptogyne* Diels 20681, 14223  
Ex 20681 Australia - Western Australia 20681

**Hydrocharitaceae**

Number of genera: 15  
Number of species: 100  
Recorded threatened species: 14 (14%)

Cosmopolitan.

- Ex/E** *Elodea schweinitzii* (Planch.) Caspary 20850, 14662  
Ex/E 20850 U.S. - New York 20850  
Ex/E 20850 U.S. - Pennsylvania 20850
- V** *Halophila johnsonii* Eiseman 20850  
V 20850 U.S. - Florida 20850
- I** *Hydrilla polysperma* Blatter  
I India - Rajasthan (Mt Abu)
- V** *Hydrocharis dubia* (Blume) Backer 20681  
V 20681 Australia - Queensland 20681
- R** *Najas affinis* Rendle 7926  
R Senegal 7926
- R** *Najas ancistocarpa* A. Br. 11164  
R 11164 Japan 11164
- E** *Najas filifolia* Haynes 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - Mississippi 20850
- R** *Najas japonica* Nakai 11164  
R 11164 Japan 11164
- R** *Najas tenuicaulis* Miki 11164  
R 11164 Japan 11164
- I** *Najas tenuissima* (A.Braun) Magnus 20673, 20171  
V 20673 Finland 20673  
I 5942 Russia (E.Europe) - Central 5942  
I 5942 Russia (E.Europe) - Northwest 5942  
I 5942 Estonia 5942
- V** *Najas yezoensis* Miyabe 11164  
V 11164 Japan 11164
- V** *Ottelia acuminata* (Gagnepain) Dandy 17617  
V 17617 China - Guangdong (Wengchang) 11139  
V 17617 China - Hainan Is. 11139  
V 17617 China - Guangxi (Jingxi) 11139

**Hypoxidaceae**

Number of genera: 9  
Number of species: 142  
Recorded threatened species: 6 (4%)

New World, Old World tropics and South Africa.

- R** *Curculigo sechellensis* Bojer 14296  
R 19182 Seychelles 14296
- E** *Hypoxidia maheensis* F. Friedmann 14296  
E 14981 Seychelles (granitic) 14296
- V** *Hypoxidia rhizophylla* (Baker) F. Friedmann 14296  
V 19182 Seychelles (granitic) 14296
- I** *Pauridia longituba* M.F.Thomps. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Spiloxene maximilianii* (Schltr.) Garside 20604  
R 20604 South Africa - Cape Province 20604
- I** *Spiloxene minuta* (L.) Fourc. 20604  
I 20604 South Africa - Cape Province 20604

**Iridaceae**

Number of genera: 80  
Number of species: 1,500  
Recorded threatened species: 484 (32%)

Cosmopolitan, especially South Africa.

- V** *Aineia conzattii* (R. Foster) Ravenna 10540  
V 19850 Mexico 10540
- E** *Aristea biflora* Weim. 20604  
E 20604 South Africa - Cape Province 20604
- E** *Aristea lugens* (L.f.) Horton ex Steud. 20604, 10260  
E 20604 South Africa - Cape Province 20604
- V** *Aristea palustris* Schltr. 20604  
V 20604 South Africa - Cape Province 20604
- V** *Aristea platycaulis* Baker 20604  
V 20604 South Africa - Cape Province 20604
- R** *Aristea singularis* Weim. 20604  
R 20604 South Africa - Cape Province 20604
- R** *Babiana auriculata* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Babiana cedarbergensis* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Babiana geniculata* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- I** *Babiana hypogea* Burch. var. *longituba*  
G.J.Lewis 20604  
I 20604 South Africa - Transvaal 20604
- I** *Babiana klaverensis* G.J.Lewis 20604  
I 20604 South Africa - Cape Province 20604
- R** *Babiana leipoldtii* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Babiana lewisiana* B.Nord. 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Babiana*

- R** *Babiana lobata* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Babiana pygmaea* (Burm.f.) N.E.Br. 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Babiana salteri* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Babiana socotrana* Hook. f. 15534  
**R** 15534 Yemen - Socotra 15534
- R** *Babiana stenomera* Schltr. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Babiana striata* (Jacq.) G.J.Lewis var. *planifolia*  
 G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Babiana virginea* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Bobartia gladiata* (L.f.) Ker ssp. *major* (Lewis)  
 Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Bobartia lilacina* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Bobartia macrospatha* Baker ssp. *anceps* (Baker)  
 Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Bobartia orientalis* J.B.Gillett ssp. *occidentalis*  
 Strid 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Bobartia paniculata* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Bobartia parva* J.B.Gillett 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Bobartia robusta* Baker 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Calydorea azurea* Klatt 10540  
**E** 10540 Argentina 10540
- V** *Calydorea coelestina* (Bartr.) Goldblatt &  
 Henrich 20850, 19766  
**V** 20850 U.S. - Florida 20850
- E** *Calydorea pallens* Griseb. 16336  
**E** 16336 Argentina 16336  
**E** 20176 Argentina - Jujuy 20176  
**E** 20176 Argentina - Tucuman 20176
- E** *Calydorea xiphoides* (Poeppig) Espin. 11748  
**E** 10540 Chile 11748
- E** *Cardenanthus venturii* R. Foster 16336  
**E** 16336 Argentina 16336  
**E** 20176 Argentina - Jujuy 20176  
**E** 20176 Argentina - Tucuman 20176
- E** *Catila amabilis* Ravenna 10540  
**E** 10540 Argentina 10540  
**E** 10540 Uruguay 10540
- I** *Chasmanthe bicolor* (Gasp. ex Ten.) N.E.Br. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Chasmanthe floribunda* (Salisb.) N.E.Br. var.  
*duckittii* G.J.Lewis ex L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Cipura rupicola* Goldblatt & Henrich 20883  
**I** 20883 Venezuela 20883
- R** *Crococsmia fucata* (Herb.) M.P.de Vos 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Crococsmia masonorum* (L.Bolus) N.E.Br. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Crococsmia pearsei* Oberm. 20604  
**R** 20604 South Africa - Natal 20604
- V** *Crocus abatensis* T. Baytop & Mathew 12840  
**V** 14155 Turkey (L. Abant in Bolu) 12840
- R** *Crocus adanensis* T. Baytop & Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus aerius* Herbert 12840  
**R** 12840 Turkey 12840
- I** *Crocus angustifolius* Weston 5942, 20171  
**I** 5942 Moldova 5942  
**I** 5942 Ukraine 5942
- R** *Crocus asumaniae* Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus baytopiorum* Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus biflorus* Miller ssp. *artvinensis* (J.  
 Phill.) Mathew 12840  
**R** 12840 Turkey 12840
- V** *Crocus boulosii* Greuter  
**V** Libya
- R** *Crocus cancellatus* Herbert ssp.  
*cancellatus* 12840  
**R** 12840 Turkey 12840
- R** *Crocus cancellatus* Herbert ssp. *lycius*  
 Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus cancellatus* Herbert ssp. *pamphylicus*  
 Mathew 12840  
**R** 12840 Turkey 12840
- E** *Crocus cyprius* Boiss. & Kotschy 14230  
**E** 19164 Cyprus 14230
- I** *Crocus discolor* G.Reuss 8000, 20171  
**I** 19321 Slovakia 19321
- R** *Crocus etruscus* Parl. 8000, 20171  
**R** 19174 Italy (Toscana & Emilia-Romagna) 19997
- R** *Crocus flavus* Meston ssp. *dissectus* T. Baytop &  
 Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus gargaricus* Herbert 12840  
**R** 12840 Turkey 12840
- R** *Crocus goulimy* Turrill 20171  
**R** Greece
- E** *Crocus hartmannianus* Holmboe 14230  
**E** 19164 Cyprus 14230
- I** *Crocus imperati* Ten. 20171  
**I** Italy
- R** *Crocus karduchorum* Kotschy ex Maw 12840  
**R** 12840 Turkey 12840
- R** *Crocus kotschyanus* C. Koch. ssp. *cappadocicus*  
 Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus kotschyanus* C. Koch. ssp. *hakkariensis*  
 Mathew 12840  
**R** 12840 Turkey 12840
- R** *Crocus leichtlinii* (D. Dewar) Bowles 12840  
**R** 12840 Turkey 12840
- R** *Crocus olivieri* Gay ssp. *balansae* (Gay ex Baker)  
 Mathew

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Crocus*

- R Greece
- V *Crocus olivieri* Gay ssp. *istanbulensis*  
Mathew 12840  
V 12840 Turkey 12840
- R *Crocus oreoreticus* B.L.Burt 20171  
R 20730 Greece - Crete 20730
- V *Crocus pestalozzae* Boiss. 12840, 20171  
V 19873 Turkey 12840
- R *Crocus reticulatus* Steven ex Adams ssp. *hittiticus*  
(T. Baytop & Mathew) Mathew 12840  
R 12840 Turkey 12840
- V *Crocus robertianus* C.D.Brickell 17781, 20171  
V 17781 Greece (north - Pindhos Mountains) 17781
- R *Crocus sieheanus* Barr ex Burt 12840  
R 12840 Turkey 12840
- R *Crocus speciosus* Bieb. ssp. *ilgazensis*  
Mathew 12840  
R 12840 Turkey 12840
- R *Crocus speciosus* Bieb. ssp. *xantholaimos*  
Mathew 12840  
R 12840 Turkey 12840
- E *Cypella aquatilis* Ravenna 10540  
E 10540 Brazil - Parana 10540
- E *Cypella armosa* Ravenna 10540  
E 10540 Argentina 10540  
E 10540 Paraguay 10540
- E *Cypella craterantha* Ravenna 18200  
E 10540 Peru 18200
- E *Cypella crenata* Ravenna 10540  
E 10540 Brazil - Minas Gerais 10540
- E *Cypella curuzupensis* Ravenna 10540  
E 10540 Paraguay 10540
- E *Cypella discolor* Ravenna 10540  
E 10540 Brazil - Rio Grande do Sul 10540
- E *Cypella fucata* Ravenna 10540  
E 10540 Brazil - Rio Grande do Sul 10540  
E 10540 Brazil - Santa Catarina 10540  
E 10540 Uruguay (Depto. Cerro Largo) 10540
- E *Cypella hauthali* (Kuntze) R. Foster 10540  
E 10540 Argentina 10540
- E *Cypella hauthali* (Kuntze) R. Foster ssp. *opalina*  
Ravenna 10540  
E 10540 Argentina 10540
- E *Cypella herberti* (Lindley) Herbert 10540  
E 10540 Argentina 10540  
E 10540 Brazil 10540  
E 10540 Uruguay 10540
- E *Cypella herberti* (Lindley) Herbert ssp.  
*brevicristata* Ravenna 10540  
E 10540 Argentina 10540  
E 10540 Uruguay 10540
- E *Cypella herberti* (Lindley) Herbert ssp.  
*wolffhuegelii* (Hauman) Ravenna 10540  
E 10540 Argentina 10540
- E *Cypella laeta* Ravenna 10540  
E 10540 Argentina 10540
- E *Cypella lapidosa* Ravenna 10540  
E 10540 Argentina 10540
- E *Cypella laxa* Ravenna 10540  
E 10540 Brazil - Parana 10540
- E 10540 Brazil - Santa Catarina 10540
- E *Cypella oreophila* Speg. 10540  
E 10540 Argentina 10540
- E *Cypella osteniana* Beauv. 10540  
E 10540 Peru (Lavalleya) 10540
- E *Cypella pabstiana* Ravenna 10540  
E 10540 Brazil - Parana 10540
- E *Cypella pusilla* (Link, Klotzsch & Otto) Bentham &  
Hook.f. 10540  
E 10540 Brazil - Rio Grande do Sul (Porto Alegre)  
10540
- R *Dierama dubium* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- Ex/E *Dierama elatum* N.E.Br. 20604, 18023  
Ex 20604 Swaziland 20604
- E *Dierama erectum* Hilliard 20604  
E 20604 South Africa - Natal 20604
- R *Dierama luteoalbum* I. Verd. 20604  
R 20604 South Africa - Natal 20604
- R *Dierama nixonianum* Hilliard 20604  
R 20604 South Africa - Natal 20604
- V *Dierama pallidum* Hilliard 20604  
V 20604 South Africa - Natal 20604
- V *Dierama pulcherrimum* (Hook.f.) Baker 20604  
V 20604 South Africa - Cape Province 20604
- R *Dierama pumilum* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- R *Dierama tysonii* N.E.Br. 20604  
R 20604 South Africa - Natal 20604
- R *Diets bicolor* (Steud.) Sweet ex Klatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Diets robinsoniana* (C. Moore & F. Muell.) Klatt  
R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Ennealophus fimbriatus* Ravenna 11130  
E 10540 Argentina 11130
- R *Ferraria brevifolia* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R *Ferraria crispa* Burm. ssp. *nortieri* M.P.De  
Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Ferraria densepunctulata* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- I *Ferraria divaricata* Sweet ssp. *arenosa* De  
Vos  
I Southern Africa
- R *Ferraria foliosa* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R *Ferraria kamiesbergensis* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- V *Fosteria oaxacana* Molseed 9733  
V 19850 Mexico 9733
- R *Freesia elimensis* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Freesia sparrmannii* (Thunb.) N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- V *Freesia speciosa* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- V *Freesia verrucosa* (Vogel) Goldblatt &

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Freesia*

- J.C.Manning 20604  
V 20604 South Africa - Cape Province 20604
- E** *Galaxia alata* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- R** *Galaxia barnardii* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Galaxia fenestralis* Goldblatt & E.G.H.Oliv. 20604  
R 20604 South Africa - Cape Province 20604
- E** *Galaxia grandiflora* Andrews 20604  
E 20604 South Africa - Cape Province 20604
- R** *Galaxia kamiesmontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Galaxia variabilis* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza arenicola* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza brevituba* (G.J.Lewis) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza callista* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza corrugata* Klatt 20604  
R 20604 South Africa - Cape Province 20604
- I** *Geissorhiza darlingensis* Goldblatt 20604  
I 20604 South Africa - Cape Province 20604
- R** *Geissorhiza elsiae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V** *Geissorhiza eurystigma* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- R** *Geissorhiza furva* Ker Gawl. ex Baker 20604  
R 20604 South Africa - Cape Province 20604
- V** *Geissorhiza geminata* E.Mey. ex Baker 20604  
V 20604 South Africa - Cape Province 20604
- R** *Geissorhiza inaequalis* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza kamiesmontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza karooica* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza lithicola* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E** *Geissorhiza louisabolusiae* R.C.Foster 20604  
E 20604 South Africa - Cape Province 20604
- E** *Geissorhiza malmesburiensis* R.C.Foster 20604  
E 20604 South Africa - Cape Province 20604
- V** *Geissorhiza mathewsii* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- I** *Geissorhiza monanthos* Eckl. 20604  
I 20604 South Africa - Cape Province 20604
- R** *Geissorhiza namaquensis* W.F.Barker 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza nigromontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza outeniquensis* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza pappi* Baker 20604  
R 20604 South Africa - Cape Province 20604
- V** *Geissorhiza purpurascens* Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- R** *Geissorhiza rupicola* Goldblatt & J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza silenoides* Goldblatt & J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza spiralis* (Burch.) M.P.de Vos ex Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V** *Geissorhiza splendidissima* Diels 20604  
V 20604 South Africa - Cape Province 20604
- R** *Geissorhiza subrigida* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R** *Geissorhiza uliginosa* Goldblatt & J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- E** *Gelasine azurea* Herbert 10540  
Ex 10540 Argentina 10540  
E 10540 Brazil 10540  
E 10540 Uruguay 10540
- E** *Gelasine uruguaiensis* Ravenna ssp. *orientalis* Ravenna 10540  
E 10540 Uruguay (Trinta & Tres) 10540
- E** *Gelasine uruguaiensis* Ravenna ssp. *uruguaiensis* 10540  
E 10540 Uruguay (Durazno) 10540
- R** *Gladiolus acuminatus* F.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- E** *Gladiolus alatus* L. var. *algoensis* Herb. 6180, 20604  
E 20604 South Africa - Cape Province 20604
- R** *Gladiolus appendiculatus* Lewis var. *appendiculatus* 20604  
R 20604 South Africa - Transvaal 20604
- E** *Gladiolus appendiculatus* Lewis var. *longifolius* Lewis  
E 20039 Swaziland 20039
- E** *Gladiolus aureus* Baker 20604  
E 20604 South Africa - Cape Province 20604
- R** *Gladiolus bellus* C.H. Wright 7757  
R Malawi (Mlanje) 7757
- R** *Gladiolus bilineatus* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus bonaespei* Goldblatt & M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus brevitubus* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus buckerveldii* (L.Bolus) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus calcaratus* G.J.Lewis 20604, 17458  
R 20604 South Africa - Transvaal 20604
- R** *Gladiolus carinatus* Aiton ssp. *parviflorus* Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus carmineus* C.H.Wright 20604  
R 20604 South Africa - Cape Province 20604
- R** *Gladiolus cataractarum* Oberm. 20604  
R 20604 South Africa - Transvaal 20604
- E** *Gladiolus citrinus* Klatt 20604  
E 20604 South Africa - Cape Province 20604
- R** *Gladiolus comptonii* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Gladiolus*

- R** *Gladiolus cruentus* T.Moore 20604  
**R** 20803 South Africa - Natal 20604
- R** *Gladiolus debilis* Ker Gawl. var. *variegatus*  
**G.J.Lewis** 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus delpierrei* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus deserticola* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus dolomiticus* Oberm. 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Gladiolus emiliae* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus engysiphon* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus exiguus* G.J.Lewis 20604, 17458  
**R** 20604 South Africa - Transvaal 20604
- R** *Gladiolus exilis* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- Ex** *Gladiolus felicis* Mirek 17809  
**Ex** 20800 Czech Republic 20800  
**Ex** 18216 Poland (Carpathians) 17809  
**Ex** 20800 Lithuania 20800
- R** *Gladiolus floribundus* Jacq. ssp. *miniatus* (Eckl.)  
**Oberm.** 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Gladiolus fourcadei* (L.Bolus) Goldblatt & M.P.de  
**Vos** 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Gladiolus gracilis* Jacq. var. *latifolius*  
**Lewis** 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus humilis* Stapf 12840  
**R** 12840 Turkey 12840
- I** *Gladiolus huttonii* (N.E.Br.) Goldblatt & M.P.de  
**Vos** 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Gladiolus jonquilliodorus* Eckl. ex Bolus &  
**Wolley-Dod** 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus kamiesbergensis* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Gladiolus lapeirousioides* Goldblatt 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Gladiolus leptosiphon* F.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus loteniensis* Hilliard & B.L.Burt 20604  
**R** 20604 South Africa - Natal 20604
- V** *Gladiolus macneilii* Oberm. 20604, 17458  
**V** 20604 South Africa - Transvaal 20604
- R** *Gladiolus micranthus* Stapf 12840  
**R** 12840 Turkey 12840
- R** *Gladiolus microcarpus* G.J.Lewis ssp. *italaensis*  
**Oberm.** 20604  
**V** 20604 South Africa - Natal 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Gladiolus monticola* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Gladiolus mostertiae* L.Bolus 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Gladiolus nerineoides* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Gladiolus nigromontanus* Goldblatt 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Gladiolus oppositiflorus* Herbert ssp.  
*oppositiflorus* 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus oreocharis* Schltr. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus ornatus* Klatt 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Gladiolus overbergensis* Goldblatt & M.P.de Vos 20604  
**V** 20604 South Africa - Cape Province 20604
- I** *Gladiolus palustris* Gaudin 8000, 20171  
**I** Albania 8000  
**E** 19710 Austria 8300  
**I** Bulgaria 8000  
**E** 2050 Czech Republic (Bohemia) 19710  
**V** 20528 France (east) 20528  
**E** 19710 Germany 8000  
**E** 19710 Hungary 8000  
**I** Italy 8000  
**E** 14229 Liechtenstein 14229  
**E** 18216 Poland 8000  
**I** Romania 8000  
**E** 19710 Slovakia 19321  
**E** 18154 Switzerland 8000  
**I** (former) Yugoslavia 8000  
**I** 5942 Byelarus 5942  
**Ex** 18216 Lithuania 17779  
**I** 5942 Ukraine 5942
- R** *Gladiolus pole-evansii* I.Verd. 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Gladiolus pritzelli* Diels var. *sufflavus*  
**G.J.Lewis** 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus punctulatus* Schrank var.  
*punctulatus* 20803  
**R** 20803 South Africa - Cape Province 20803
- E** *Gladiolus quadrangulus* (D.Delaroche) Barnard 20604  
**E** 20604 South Africa - Cape Province 20604
- I** *Gladiolus recurvus* L. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Gladiolus reuteri* Boiss. 20171  
**R** Spain
- R** *Gladiolus robertsoniae* F.Bolus 20604  
**R** 20604 South Africa - Orange Free State 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Gladiolus robustus* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus rogersii* Baker var. *vlokii*  
**Goldblatt** 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus salteri* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus sempervirens* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus stefaniae* Oberm. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Gladiolus stokoei* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Gladiolus*

- R *Gladiolus symonsii* F.Bolus 20604  
R 20604 South Africa - Natal 20604
- E *Gladiolus vandermerwei* (L.Bolus) Goldblatt & M.P.de Vos 20604  
E 20604 South Africa - Cape Province 20604
- R *Gladiolus varius* Bolus f. var. *varius* 20604  
I 20039 Swaziland 20039  
R 20604 South Africa - Transvaal 20604
- R *Gladiolus vigilans* Barnard 20604  
R 20604 South Africa - Cape Province 20604
- R *Gynandris anomala* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Gynandris hesperantha* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Herbertia amatorum* C.H. Wright 10540  
E 10540 Brazil - Rio Grande do Sul 10540
- E *Herbertia lahue* (Molina) Goldbl. 10540  
E 10540 Chile 10540
- E *Herbertia pulchella* Sweet 10540  
E 10540 Brazil 10540  
E 10540 Uruguay 10540
- R *Hesperantha alboresea* Hilliard & B.L.Burt 20604  
R 20604 South Africa - Natal 20604
- I *Hesperantha alpina* (Hook.f.) Pax ex Engl.  
I Cameroon (Cameroon mt)
- R *Hesperantha ballii* Wild 7754  
R Zimbabwe (Chimanimani) 7754
- R *Hesperantha ciliolata* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha elsiae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha flava* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- V *Hesperantha gracilis* Baker 20604  
V 20604 South Africa - Natal 20604
- R *Hesperantha hantamensis* Schltr. ex R.C.Foster 20604  
R 20604 South Africa - Cape Province 20604
- E *Hesperantha juncifolia* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- R *Hesperantha karoica* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha minima* (Baker) R.C.Foster 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha namaquana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha oligantha* (Diels) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Hesperantha pallescens* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- I *Hesperantha pubinervia* Hilliard & B.L.Burt 20604  
I 20604 South Africa - Natal 20604
- R *Hesperantha purpurea* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha quadrangula* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha rivulicola* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Hesperantha saldanhae* Goldblatt 20604, 10260
- Ex 20604 South Africa - Cape Province 20604
- R *Hesperantha teretifolia* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperantha truncatula* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Hesperantha umbricola* Goldblatt 20604, 20039  
E 20604 Swaziland 20604
- R *Hesperantha vaginata* (Sweet) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hesperoxiphion niveum* Ravenna 18200  
R 10540 Peru 18200
- R *Hexaglottis namaquana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Hexaglottis virgata* (Jacq.) Sweet ssp. *karoica* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria autumnalis* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria bolusiae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria cedarmontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria comptonii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- E *Homeria elegans* (Jacq.) Sweet 20604  
E 20604 South Africa - Cape Province 20604
- R *Homeria fenestrata* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria fuscomontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria odorata* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria patens* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria pendula* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Homeria radians* (Goldblatt) Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- R *Homeria ramosissima* Schltr. 20604  
R 20604 South Africa - Cape Province 20604
- R *Homeria spiralis* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I *Iridodictyum winkleri* (Regel) Rodionenko 5942  
I 5942 Kazakhstan 5942  
I 5942 Kyrgyzstan 5942  
I 5942 Tajikistan 5942
- I *Iridodictyum winogradovii* (Fomin) Rodionenko 5942  
I 5942 Armenia 5942
- E *Iris acutiloba* C. Meyer 5942  
E 5942 Russia - North Caucasus 5942  
E 5942 Azerbaijan (Caucasus) 5942
- Ex *Iris antilibanotica* Dinsm. 8934  
Ex 8934 Syria (heights above Bludan) 8934
- R *Iris auranitica* Dinsm. 8897  
R Syria 8897
- E *Iris basaltica* Dinsm. 8897  
E Syria (Tell Kalakh-Hadidia region) 8897
- R *Iris bostrensis* Mout. 8897  
R Syria 8897



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Iris*

- E** *Iris calcarea* Dinsm. 8897  
**E**     Syna 8897
- I** *Iris camillae* Grossh. 5942  
**I**     5942 Azerbaijan 5942
- E** *Iris cedreti* Dinsm. 8934  
**E**     Lebanon 8934
- Ex** *Iris damascena* Mont. 8897  
**Ex**   8934 Syna (Jabl Qassoun) 8897
- I** *Iris darwasica* Regel 5942  
**I**     5942 Tajikistan 5942
- I** *Iris duthiei* Foster  
**I**     India - Uttar Pradesh (Kumaun)
- I** *Iris ewbankiana* Foster 5942  
**I**     5942 Turkmenistan 5942
- R** *Iris fernaldii* R.C. Foster 20850  
**I**     20850 U.S. - California 20850
- I** *Iris grossheimii* Woronow ex Grossh. 5942  
**I**     5942 Armenia 5942
- R** *Iris helenae* Barbey  
**R**     Egypt
- R** *Iris histrioides* (Wilson) Arnott 12840  
**R**     12840 Turkey 12840
- R** *Iris hyeruchamensis* Avishai 8934  
**R**     Israel 8934
- I** *Iris iberica* Hoffm. 5942  
**I**     5942 Azerbaijan 5942
- R** *Iris jordana* Dinsm. 8937  
**R**     Israel 8934  
**E**     Jordan 8937
- V** *Iris junonia* Schott & Kotschy ex Schott 12840  
**V**     12840 Turkey 12840
- E** *Iris kirkwoodii* Chaudhri 8934  
**E**     Syna 8934
- R** *Iris kolpakowskiana* Regel  
**R**     former USSR 6930
- R** *Iris lacustris* Nutt. 20850, 14352  
**R**     20850 Canada - Ontario 20850  
**R**     20850 U.S. - Michigan 20850  
**V**     20850 U.S. - Wisconsin 20850
- I** *Iris tortetii* Barbey 14908  
**E**     Israel  
**E**     Lebanon
- I** *Iris lycotis* Woronow 5942  
**I**     5942 Armenia 5942
- R** *Iris marsica* Ricci & Colasante 8000, 20171  
**R**     18264 Italy 19997
- I** *Iris milesii* Foster  
**I**     India - Himachal Pradesh  
**I**     India - Jammu & Kashmir
- E** *Iris munzii* R.C. Foster 20850  
**I**     20850 U.S. - California 20850
- R** *Iris nectarifera* A. Guner 12840  
**R**     12840 Turkey 12840
- R** *Iris odaesanensis* Y.N. Lee 15957  
**R**     15923 Korea. South (Mt Odae, Mt Sorak, Mt Kyebang)  
       15957
- R** *Iris pamphylica* Hedge 12840  
**R**     19174 Turkey 12840
- V** *Iris paradoxa* Steven  
**V**     former USSR (Caucasus) 6930
- E** *Iris petrana* Dinsm. 8937  
**E**     Jordan 8937
- R** *Iris purdyi* Eastw. 20850  
**I**     20850 U.S. - California 20850  
**I**     20850 U.S. - Oregon 20850
- R** *Iris purpureobracteata* B. Mathew & T. Baytop 12840  
**R**     12840 Turkey 12840
- R** *Iris revoluta* Colasante 18264  
**R**     18264 Italy (Puglia) 18264
- E** *Iris rossii* Baker var. *album* Y.N. Lee  
**E**     Korea, South
- E** *Iris samaria* Dinsm. 8934  
**E**     Israel 8934
- I** *Iris schelkownikwii* (Fomin) Fomin  
**I**     former USSR 6930
- R** *Iris serotina* Willk. 20171  
**R**     Spain
- I** *Iris sicula* Tod. 13351, 20171  
**I**     7072 Italy - Sicily 7072  
**V**     13351 Malta (Gozo.) 13351
- E** *Iris sofarana* Foster 8897  
**E**     Lebanon 8897
- V** *Iris sprengeri* Siehe 8619  
**V**     19873 Turkey 8619
- V** *Iris stenophylla* Hausskn. & Siehe ex Baker ssp.  
       *allisonii* B. Mathew 12840  
**V**     19873 Turkey 12840
- E** *Iris susiana* L. 8934  
**E**     Turkey 8934
- E** *Iris swensoniana* Chaudhri 8934  
**E**     Syna 8934
- R** *Iris taochia* Woronow ex Grossh. 12840  
**R**     12840 Turkey 12840
- R** *Iris tenax* Lenz ssp. *klamathensis*  
       Lenz 20850  
**I**     20850 U.S. - California 20850
- V** *Iris thompsonii* R.C. Foster 20850  
**I**     20850 U.S. - California 20850  
**I**     20850 U.S. - Oregon 20850
- V** *Iris timofejewii* Woronow 11552  
**V**     11552 Russian Federation (Caucasus) 11552
- Ex** *Iris westii* Dinsm. 8934  
**Ex**   8934 Lebanon (Mashghara-Jezzine area) 8934
- V** *Iris xanthosporia* B. Mathew & T. Baytop 12840  
**V**     12840 Turkey 12840
- E** *Iris yebrudii* Chaudhri 8934  
**E**     Syria 8934
- R** *Ixia acaulis* Goldblatt & J.C.Manning 20604  
**R**     20604 South Africa - Cape Province 20604
- R** *Ixia bellendenii* R.C. Foster 20604  
**R**     20604 South Africa - Cape Province 20604
- R** *Ixia breviflora* G.J.Lewis 20604  
**R**     20604 South Africa - Cape Province 20604
- R** *Ixia brunneobracteata* G.J.Lewis 20604  
**R**     20604 South Africa - Cape Province 20604
- E** *Ixia campanulata* Houtt. 20604  
**E**     20604 South Africa - Cape Province 20604
- V** *Ixia collina* Goldblatt & Snijman 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Ixia*

- V 20604 South Africa - Cape Province 20604
- V *Ixia curta* Andrews 20604  
V 20604 South Africa - Cape Province 20604
- R *Ixia esterhuyseniae* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- E *Ixia frederickii* M.P.de Vos 20604  
E 20604 South Africa - Cape Province 20604
- R *Ixia gloriosa* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- E *Ixia leipoldtii* G.J.Lewis 20604  
E 20604 South Africa - Cape Province 20604
- V *Ixia maculata* L. var. *maculata* 20604  
V 20604 South Africa - Cape Province 20604
- R *Ixia mostertii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- I *Ixia patens* Aiton var. *linearifolia*  
G.J.Lewis 20604, 20604  
I 20604 South Africa - Cape Province 20604
- R *Ixia pumilio* Goldblatt & Snijman 20604  
R 20604 South Africa - Cape Province 20604
- R *Ixia purpureorosea* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R *Ixia splendida* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- I *Ixia stolonifera* G.J.Lewis 20604  
I 20604 South Africa - Cape Province 20604
- E *Ixia tenuifolia* Vahl 20604  
E 20604 South Africa - Cape Province 20604
- R *Ixia thomasiae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Ixia versicolor* G.J.Lewis 20604  
V 20604 South Africa - Cape Province 20604
- I *Ixia vinacea* G.J.Lewis 20604  
I 20604 South Africa - Cape Province 20604
- V *Ixia viridiflora* Lam. var. *viridiflora* 20604  
V 20604 South Africa - Cape Province 20604
- I *Juno magnifica* (Vved.) Vved. 5942  
I 5942 Uzbekistan 5942
- R *Klattia flava* (G.J.Lewis) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Klattia partita* Ker Gawl. ex Baker 20604  
R 20604 South Africa - Cape Province 20604
- V *Lapeirousia azurea* (Eckl. ex Baker) Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- R *Lapeirousia exilis* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Lapeirousia montana* Klatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Lapeirousia oreogena* Schltr. ex Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Lapeirousia simulans* Goldblatt & J.C.Manning 20604  
V 20604 South Africa - Cape Province 20604
- R *Lapeirousia tenuis* (Goldblatt) Goldblatt & J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- R *Lapeirousia verecunda* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Libertia pulchella* (R.Br.) Sprengel var. *pygmaea*  
D.Morris 20681  
R 20681 Australia - Tasmania 20681
- E *Libertia tricocca* Philippi 6164  
E 6164 Chile 6164
- I *Mastigostyla brevicaulis* (Baker) Fost. 6164  
I 6164 Bolivia (La Paz & Sorata) 6164
- V *Mastigostyla mirabilis* Ravenna 16336  
V 16336 Argentina 16336  
V 20176 Argentina - Tucuman 20176
- E *Moraea amissa* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- E *Moraea aristata* (D.Delaroche) Asch. & Graebn. 20604, 7389  
E 20604 South Africa - Cape Province 20604
- E *Moraea atropunctata* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- R *Moraea barkeriae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Moraea barnardii* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- E *Moraea calcicola* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- V *Moraea cooperi* Baker 20604  
V 20604 South Africa - Cape Province 20604
- V *Moraea debilis* Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- R *Moraea deserticola* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Moraea elisiae* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Moraea flexuosa* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- E *Moraea gigandra* L.Bolus 20604  
E 20604 South Africa - Cape Province 20604
- I *Moraea hiemalis* Goldblatt 20604  
I 20604 South Africa - Natal 20604
- E *Moraea incurva* G.J.Lewis 20604, 3774  
E 20604 South Africa - Cape Province (Tulbagh district) 20604
- R *Moraea indecora* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Moraea insolens* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- E *Moraea linderi* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- V *Moraea longiaristata* Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- V *Moraea longiflora* Ker Gawl. 20604  
V 20604 South Africa - Cape Province 20604
- E *Moraea loubseri* Goldblatt 20604, 3774  
E 20604 South Africa - Cape Province 20604
- R *Moraea macgregorii* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Moraea namaquamontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Moraea neopavonia* R.C.Foster 20604  
V 20604 South Africa - Cape Province 20604
- R *Moraea nubigena* Goldblatt 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Moraea*

- R 20604 South Africa - Cape Province 20604
- V *Moraea tulbaghensis* L.Bolus 20604  
V 20604 South Africa - Cape Province 20604
- I *Moraea unibracteata* Goldblatt 20604  
I 20604 South Africa - Natal 20604
- R *Moraea vallisavium* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Moraea verecunda* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Moraea villosa* (Ker Gawl.) Ker Gawl. ssp. *elandsmontana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Moraea vlokii* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- E *Moraea worcesterensis* Goldblatt 20604  
E 20604 South Africa - Cape Province 20604
- V *Nemastylis floridana* Small 20850  
V 20850 U.S. - Florida 20850
- R *Nivenia concinna* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R *Nivenia dispar* N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R *Nivenia fruticosa* (L.f.) Baker 20604  
R 20604 South Africa - Cape Province 20604
- R *Nivenia stenosphon* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Nivenia stokoei* (L.Guthrie) N.E.Br. 20604  
R 20604 South Africa - Cape Province 20604
- R *Roggeveldia fistulosa* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Roggeveldia montana* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea albomarginata* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- V *Romulea amoena* Schltr. ex Bég. 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea antiatlantica* Maire  
R Morocco
- V *Romulea aquatica* G.J.Lewis 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea barkerae* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea battandieri* Beguinot 10487  
R 14958 Algeria 10487
- R *Romulea biflora* (Bég.) M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea columnae* Sebast. & Mauri ssp. *hartungii* (Parl.) Kunkel  
R Spain - Canary Is.
- V *Romulea elliptica* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- V *Romulea eximia* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea hallii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea hantamensis* (Diels) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Romulea jugicola* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea kamisensis* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea linaresii* Parl. ssp. *linaresii* 18264, 20171  
R 18264 Italy - Sicily 18264
- V *Romulea luteoflora* (M.P.de Vos) M.P.de Vos var. *sanisensis* M.P. de Vos 20604  
V 20604 Lesotho 20604  
V 20604 South Africa - Natal 20604
- I *Romulea malaniae* M.P.de Vos 20604  
I 20604 South Africa - Cape Province 20604
- I *Romulea melitensis* Bég. 13351, 20171  
I 13351 Malta 13351
- V *Romulea membranacea* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- I *Romulea monadelpha* (Sweet) Baker 20604  
I 20604 South Africa - Cape Province 20604
- R *Romulea monticola* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea multifida* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- I *Romulea multisulcata* M.P.de Vos 20604  
I 20604 South Africa - Cape Province 20604
- I *Romulea namaquensis* M.P.de Vos 20604  
I 20604 South Africa - Cape Province 20604
- V *Romulea neglecta* (Schult.) M.P.de Vos 20604, 20171  
V 20604 South Africa - Cape Province 20604
- Ex *Romulea papyracea* Wolley-Dod 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- R *Romulea pearsonii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea penzigii* Beguinot 10487  
R 14958 Algeria 10487
- V *Romulea revelierei* Jord. & Fourr. 15080, 20171  
V 20726 France - Corsica 15080
- V *Romulea saldanhensis* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea sanguinalis* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- I *Romulea sinispinosensis* M.P.de Vos 20604  
I 20604 South Africa - Cape Province 20604
- R *Romulea sladenii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- I *Romulea sphaerocarpa* M.P.de Vos 20604  
I 20604 South Africa - Cape Province 20604
- R *Romulea subfistulosa* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Romulea sulphurea* Bég. 20604, 6180  
Ex 20604 South Africa - Cape Province 20604
- R *Romulea syringodeoflora* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea tortilis* Baker var. *dissecta* De Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea tortilis* Baker var. *tortilis* 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea toximontana* M.P.de Vos 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Romulea*

- V 20604 South Africa - Cape Province 20604
- V *Romulea unifolia* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- R *Romulea vaillantii* Quezel 10487  
R 14958 Algeria 10487
- R *Romulea vanzyliae* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea vinacea* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Romulea vlokii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Sessilanthera heliantha* (Ravenna) Cruden 12780  
R 19850 Mexico - Chiapas 12780  
R 19850 Mexico - Guerrero 12780
- V *Sisyrinchium acre* Mann 20850, 14209  
I 20850 U.S. - Hawaii 20850  
I 20850 U.S. - Maine 20850
- R *Sisyrinchium cernuum* (Bickn.) Kearney 20850  
V 20850 U.S. - Arizona 20850  
E 20850 U.S. - Texas 20850
- R *Sisyrinchium conzatii* Calderón & Rzedowski 20883  
I 20883 Mexico 20883
- V *Sisyrinchium dichotomum* Bickn. 20850  
V 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850
- Ex/E *Sisyrinchium farwellii* Bickn. 20850, 14662  
Ex 20850 U.S. - Michigan 20850  
I 20850 U.S. - Wisconsin 20850
- V *Sisyrinchium funereum* Bickn. 20850  
I 20850 U.S. - California 20850
- R *Sisyrinchium galapagense* Ravenna 11117  
R Ecuador - Galapagos 11117
- R *Sisyrinchium groenlandicum* Bocher 19002, 21309  
R 21309 Denmark - Greenland 19002
- Ex/E *Sisyrinchium macrocarpon* Bickn. 20850  
I 20850 U.S. - Arizona 20850
- V *Sisyrinchium pallidum* Cholewa & D. Henderson 20850  
V 20850 U.S. - Colorado 20850  
V 20850 U.S. - Wyoming 20850
- V *Sisyrinchium sarmentosum* Suksdorf ex Greene 20850  
I 20850 Canada - British Columbia 20850  
I 20850 Canada - Manitoba 20850  
I 20850 U.S. - North Dakota 20850  
E 20850 U.S. - Oregon 20850  
V 20850 U.S. - Washington 20850
- V *Sisyrinchium xerophyllum* Greene 20850  
I 20850 U.S. - Florida 20850  
I 20850 U.S. - Georgia 20850  
I 20850 U.S. - North Carolina 20850
- R *Sparaxis caryophyllacea* Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- V *Sparaxis elegans* (Sweet) Goldblatt 20604  
V 20604 South Africa - Cape Province 20604
- R *Sparaxis fragrans* (Jacq.) Ker Gawl. 20604  
R 20604 South Africa - Cape Province 20604
- R *Sparaxis galeata* Ker Gawl. 20604  
R 20604 South Africa - Cape Province 20604
- R *Sparaxis grandiflora* (D.Delaroche) Ker Gawl ssp. *grandiflora* 20604  
R 20604 South Africa - Cape Province 20604
- E *Sparaxis maculosa* Goldblatt 20604
- E 20604 South Africa - Cape Province 20604
- R *Sparaxis pillansii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- Ex *Sparaxis roxburghii* (Baker) Goldblatt 20604  
Ex 20604 South Africa - Cape Province 20604
- V *Sparaxis tricolor* (Schneev.) Ker Gawl. 20604  
V 20604 South Africa - Cape Province 20604
- V *Syringodea derustensis* M.P.de Vos 20604  
V 20604 South Africa - Cape Province 20604
- R *Thereianthus racemosus* (Klatt) G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- R *Tigridia bicolor* Molseed 11131  
R 19850 Mexico - Oaxaca 11131
- E *Tigridia bracteolata* (Klatt) Macbr. 10540  
E 10540 Bolivia 10540
- R *Tigridia hintonii* Molseed 11131  
R 19850 Mexico - Guerrero 11131
- R *Tigridia huajuapansensis* Molseed ex Cruden 9736  
R 19850 Mexico 9736
- E *Tigridia minuta* Ravenna 18200  
E 12468 Peru 18200
- R *Tigridia philippiana* I.M. Johnston 6164  
R 19534 Chile 6164
- E *Trimezia caerulea* (Ker-Gawl.) Ravenna 6164  
E 6164 Brazil - Rio de Janeiro 6164  
E 6164 Brazil - Rio Grande do Sul 6164
- E *Trimezia glauca* (Bak.) Ravenna 6164  
E 6164 Brazil - Minas Gerais 6164  
E 6164 Brazil - Rio de Janeiro 6164  
E 6164 Brazil - Sao Paulo 6164
- R *Trimezia lutea* (Klatt) Fost. 10540  
R 10540 Brazil 10540  
E 10540 Colombia 10540
- E *Trimezia martii* (Baker) R. Foster 10540  
E 10540 Argentina 10540  
E 10540 Paraguay 10540
- E *Trimezia northiana* (Schneev.) Ravenna 6164  
E 6164 Brazil - Rio de Janeiro 6164
- E *Trimezia silvestris* (Vell.) Ravenna 6164  
E 6164 Brazil - Rio de Janeiro 6164  
E 6164 Brazil - Sao Paulo 6164
- E *Trimezia spectabilis* Ravenna 6164  
E 6164 Brazil 6164  
E 6164 Colombia 6164
- R *Tritonia delpierrei* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia flabellifolia* (D.Delaroche) G.J.Lewis var. *thomasiae* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia florentiae* (Marloth) Goldblatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia kamisbergensis* Klatt 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia marlothii* M.P.de Vos 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia tugwelliae* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R *Tritonia watermeyerii* L.Bolus 20604  
R 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Iridaceae: *Tritonia*

- I** *Tritoniopsis elongata* (L.Bolus) G.J.Lewis 20604  
**I** 20604 South Africa - Cape Province 20604
- V** *Tritoniopsis flexuosa* (L.f.) G.J.Lewis 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Tritoniopsis latifolia* G.J.Lewis 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Tucma simplex* Ravenna 10540  
**E** 10540 Argentina 10540
- E** *Tucma venustula* Ravenna 16336  
**E** 16336 Argentina 16336
- R** *Watsonia bachmannii* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- I** *Watsonia canaliculata* Goldblatt 20604  
**I** 20604 South Africa - Natal 20604
- Ex** *Watsonia distans* L.Bolus 20604  
**Ex** 20604 South Africa - Cape Province 20604
- E** *Watsonia dubia* Eckl. ex Klatt 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Watsonia emiliae* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- E** *Watsonia humilis* Mill. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** *Watsonia hysteraantha* J.W.Mathews & L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Watsonia inclinata* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Watsonia latifolia* N.E.Br. ex Oberm. 20604, 18023  
**R** 20604 Swaziland 20604  
**R** 20604 South Africa - Natal 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Watsonia mtamvunae* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Watsonia occulta* L.Bolus 20604, 17458  
**R** 20604 South Africa - Transvaal 20604
- R** *Watsonia pondoensis* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604  
**R** 20604 South Africa - Natal 20604
- R** *Watsonia rogersii* L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Watsonia rourkei* Goldblatt 20604  
**R** 20604 South Africa - Cape Province 20604
- I** *Watsonia strictiflora* Ker Gawl. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** *Watsonia transvaalensis* Baker 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Watsonia versfeldii* J.W.Mathews & L.Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- R** *Watsonia wilmsii* L.Bolus 20604, 17458  
**R** 20604 South Africa - Orange Free State 20604  
**R** 20604 South Africa - Transvaal 20604
- R** *Witsenia maura* (L.) Thunb. 20604, 11102  
**R** 20604 South Africa - Cape Province (south-west, 12 populations) 20604
- R** *Xenoscapa uliginosa* Goldblatt & J.C.Manning 20604  
**R** 20604 South Africa - Cape Province 20604

**Juncaceae**

Number of genera: 8  
 Number of species: 300  
 Recorded threatened species: 22 (7%)

Temperate or cold regions, or montane tropical.

- I** *Juncus arianus* Krecz.  
**I** former USSR 6930
- V** *Juncus caesariensis* Coville 20850  
**E** 20850 U.S. - Maryland 20850  
**V** 20850 U.S. - New Jersey 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - Virginia 20850
- R** *Juncus chlorocephalus* Engelm. 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Juncus guadeloupensis* Buchenau & Urban 5710  
**E** 5710 Guadeloupe (La Soufrière massif) 5710
- I** *Juncus hizenensis* Satake 11164  
**I** 11164 Japan 11164
- V** *Juncus leiospermus* F.J. Herm. 20850  
**V** 20850 U.S. - California 20850
- E** *Juncus leiospermus* F.J. Herm. var. *ahartii* Ertter 20850, 10260  
**E** 20850 U.S. - California 20850
- V** *Juncus leiospermus* F.J. Herm. var. *leiospermus* 20850  
**V** 20850 U.S. - California 20850
- V** *Juncus megaspermus* F.J. Herm. 20850  
**I** 20850 U.S. - California 20850
- R** *Juncus sikkimensis* Hook.f. 14782  
**R** 14782 India - Sikkim 14782
- V** *Juncus trififormis* Engelm. 20850  
**I** 20850 U.S. - California 20850
- R** *Juncus tweedyi* Rydb. 20850  
**E** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Idaho 20850  
**I** 20850 U.S. - Montana 20850  
**E** 20850 U.S. - Utah 20850  
**V** 20850 U.S. - Wyoming 20850
- R** *Juncus valvatus* Link 8000, 20171  
**V** 20076 Portugal (central and south) 8000  
**R** Algeria  
**R** Tunisia
- I** *Juncus yakeisidakensis* Satake 11164  
**I** 11164 Japan 11164
- V** *Luzula canariensis* Poiret 20750  
**V** 20750 Spain - Canary Is. 20750
- R** *Luzula castellansii* Barros 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Salta 20176
- R** *Luzula crenulata* Buchenau 19305  
**R** 19305 New Zealand - South Is. 19305
- R** *Luzula deflexa* Kozuharov 5204, 20171  
**R** 5204 Bulgaria (central & west) 5204
- R** *Luzula elegans* Lowe 8000, 20171  
**E** 20076 Portugal 20076  
**R** Portugal - Madeira 8000  
**V** Spain - Canary Is. 8000
- R** *Luzula hieronymi* Buchenau & Griseb. var. *pusilla* Castillon 16336

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Juncaceae: *Luzula*

- R 16336 Argentina 16336  
 R 20176 Argentina - Tucuman 20176
- R *Luzula longiflora* Benth.  
 R 14225 Australia - NSW - Lord Howe Is. 14225
- E *Luzula masafuerana* Skottsb. 19116  
 E 19125 Chile - Juan Fernandez Is. 19116
- R *Luzula seubertii* Lowe  
 R Portugal - Madeira
- I *Microschoenus duthiei* C.B. Clarke 11494  
 I 11494 India - Uttar Pradesh 11494

Juncaginaceae

Number of genera: 5  
 Number of species: 20  
 Recorded threatened species: 1 (5%)

Temperate and cold Northern and Southern Hemisphere.

- V *Triglochin gaspense* Lieth & D. Love 20850, 14419  
 E 20850 Canada - New Brunswick 20850  
 E 20850 Canada - Newfoundland 20850  
 E 20850 Canada - Prince Edward Is. 20850  
 V 20850 Canada - Quebec 20850  
 Ex/E 20850 U.S. - Maine 20850

Lemnaceae

Number of genera: 6  
 Number of species: 31  
 Recorded threatened species: 3 (9%)

Cosmopolitan.

- I *Lemna maxima* Blatter & Hallberg  
 I India - Rajasthan (Mt Abu)
- I *Lemna minima* Blatter & Hallberg  
 I India - Rajasthan (Mt Abu)
- R *Wolffiella monodii* Jovet-Ast  
 R Chad

Liliaceae

Number of genera: 11  
 Number of species: 460  
 Recorded threatened species: 149 (32%)

Cosmopolitan.

- V *Amana latifolia* (Makino) Honda 11164  
 V 11164 Japan 11164
- V *Calochortus amabilis* Purdy 20850  
 I 20850 U.S. - California 20850
- V *Calochortus amoenus* Greene 20850  
 I 20850 U.S. - California 20850
- R *Calochortus catalinae* S.Watson 20850  
 R 20850 U.S. - California 20850
- V *Calochortus clavatus* S.Watson var. *avius*  
 Jepson 20850  
 V 20850 U.S. - California 20850
- E *Calochortus clavatus* S.Watson var. *gracilis*  
 Ownbey 20850  
 E 20850 U.S. - California 20850
- E *Calochortus clavatus* S.Watson var. *recurvifolius*  
 Hoover 20850  
 E 20850 U.S. - California 20850
- V *Calochortus coeruleus* (Kellogg) S.Watson 20850  
 I 20850 U.S. - California 20850

- I 20850 U.S. - Oregon 20850
- V *Calochortus concolor* (Baker) Purdy 20850  
 I 20850 U.S. - California 20850
- E *Calochortus coxii* M. Godfrey & F. Callahan 20850  
 E 20850 U.S. - Oregon 20850
- V *Calochortus dunnii* Purdy 20883, 20850, 8058  
 V 20850 U.S. - California 20850  
 I 20883 Mexico 20883
- V *Calochortus excavatus* Greene 20850  
 V 20850 U.S. - California 20850
- R *Calochortus foliosus* Ownbey 19850  
 R 19850 Mexico 19850
- V *Calochortus greenii* S.Watson 20850  
 V 20850 U.S. - California 20850  
 V 20850 U.S. - Oregon 20850
- R *Calochortus howellii* S.Watson 20850  
 R 20850 U.S. - Oregon 20850
- Ex *Calochortus indecorus* Ownbey & M.E. Peck 20850,  
 14662  
 Ex 20850 U.S. - Oregon 20850
- R *Calochortus longebarbatus* S.Watson 20850  
 R 20850 U.S. - California 20850  
 I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- R *Calochortus longebarbatus* S.Watson var.  
*longebarbatus* 20850  
 R 20850 U.S. - California 20850  
 R 20850 U.S. - Oregon 20850  
 V 20850 U.S. - Washington 20850
- V *Calochortus longebarbatus* S.Watson var. *peckii*  
 Ownbey 20850  
 V 20850 U.S. - Oregon 20850
- R *Calochortus lyallii* Baker 20850, 10701  
 E 20850 Canada - British Columbia 20850  
 I 20850 U.S. - Washington 20850
- V *Calochortus macrocarpus* Dougl. var. *maculosus*  
 (A.Nels. & J.F.Macbr.) A.Nels. & J.F.Macbr. 20850  
 V 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Oregon 20850  
 I 20850 U.S. - Washington 20850
- R *Calochortus marcellae* Nesom 20883  
 I 20883 Mexico 20883
- R *Calochortus minimus* Ownbey 20850  
 I 20850 U.S. - California 20850
- Ex/E *Calochortus monanthus* Ownbey 20850, 14662  
 Ex/E 20850 U.S. - California 20850
- R *Calochortus nitidus* Dougl. 20850  
 R 20850 U.S. - Idaho 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Oregon 20850  
 Ex 20850 U.S. - Washington 20850
- V *Calochortus obispoensis* J.G. Lemmon 20850  
 V 20850 U.S. - California 20850
- V *Calochortus palmeri* S.Watson 20850  
 I 20850 U.S. - California 20850
- E *Calochortus palmeri* S.Watson var. *munzii*  
 Ownbey 20850  
 E 20850 U.S. - California 20850
- V *Calochortus palmeri* S.Watson var.  
*palmeri* 20850  
 V 20850 U.S. - California 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Liliaceae: *Calochortus*

- V** *Calochortus panamintensis* (Ownbey) Reveal 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850
- E** *Calochortus persistens* Ownbey 20850  
**E** 20850 U.S. - California 20850
- V** *Calochortus plummerae* Greene 20850  
**V** 20850 U.S. - California 20850
- V** *Calochortus pulchellus* Dougl. ex Benth. 20850  
**V** 20850 U.S. - California 20850
- E** *Calochortus raichei* Farwig & Girard 20850  
**E** 20850 U.S. - California 20850
- V** *Calochortus striatus* Parish 20850  
**V** 20850 U.S. - California 20850  
**E** 20850 U.S. - Nevada 20850
- E** *Calochortus tiburonensis* A.J. Hill 20850  
**E** 20850 U.S. - California 20850
- E** *Calochortus umpquaensis* N.A. Fredricks 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Calochortus vestae* Purdy 20850  
**I** 20850 U.S. - California 20850
- R** *Calochortus weedii* Wood 20850  
**I** 20850 U.S. - California 20850
- R** *Calochortus weedii* Wood var. *intermedius*  
 Ownbey 20850  
**R** 20850 U.S. - California 20850
- V** *Calochortus weedii* Wood var. *vestus*  
 Purdy 20850  
**V** 20850 U.S. - California 20850
- E** *Calochortus westonii* Eastw. 20850  
**E** 20850 U.S. - California 20850
- I** *Erythronium caucasicum* Woronow 5942  
**I** 5942 Russia - North Caucasus 5942  
**I** 5942 Georgia 5942
- R** *Erythronium dens-canis* L. ssp. *niveum* (Baumg.)  
 Buia & Paun 17823  
**R** 19949 Romania 20631
- E** *Erythronium elegans* Hammond & Chambers 20850  
**E** 20850 U.S. - Oregon 20850
- R** *Erythronium grandiflorum* Pursh ssp. *candidum*  
 Piper 20850  
**I** 20850 U.S. - Idaho 20850  
**R** 20850 U.S. - Montana 20850  
**I** 20850 U.S. - Washington 20850
- R** *Erythronium grandiflorum* Pursh ssp. *nudipetalum*  
 Applegate 20850  
**R** 20850 U.S. - Idaho 20850
- R** *Erythronium helenae* Applegate 20850  
**R** 20850 U.S. - California 20850
- E** *Erythronium pluriflorum* Shevock, Bartel &  
 Allen 20850  
**E** 20850 U.S. - California 20850
- E** *Erythronium propullans* Gray 20850  
**I** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - Minnesota (Rice and Goodhue Counties)  
 20850
- V** *Erythronium pusaterii* (Munz & J.T. Howell) Shevock, Bartel &  
 Allen 20850  
**V** 20850 U.S. - California 20850
- V** *Erythronium tuolumnense* Applegate 20850  
**V** 20850 U.S. - California 20850
- R** *Erythronium umbilicatum* Parks & Hardin ssp.  
*monostolum* Parks & Hardin 20850  
**R** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - Tennessee 20850
- R** *Evrardiella dodecandra* Gagnepain 6057  
**R** Vietnam 6057
- R** *Fritillaria acometala* Boiss. ssp. *wendelboi*  
 Rix 12840  
**R** 12840 Turkey 12840
- R** *Fritillaria albaryana* Rix 12840  
**R** 12840 Turkey 12840
- R** *Fritillaria alfredae* Pest ssp. *glaucoviridis*  
 (Turrill) Rix 12840  
**R** 12840 Turkey 12840
- R** *Fritillaria amabilis* Koidz. 11164  
**R** 11164 Japan 11164
- R** *Fritillaria assyriaca* Baker ssp. *melananthera*  
 Rix 12840  
**R** 12840 Turkey 12840
- R** *Fritillaria aurea* Schott 12840  
**R** 12840 Turkey 12840
- V** *Fritillaria ayakoana* Naruh. 11164  
**V** 11164 Japan 11164
- V** *Fritillaria brandegei* Eastw. 20850  
**I** 20850 U.S. - California 20850
- R** *Fritillaria carica* Rix ssp. *serpenticola*  
 Rix 12840  
**R** 12840 Turkey 12840
- V** *Fritillaria conica* Boiss. 8000, 20171  
**V** 19174 Greece (south: west Peloponnisos) 8000
- R** *Fritillaria davisii* Turrill 20171  
**R** Greece
- R** *Fritillaria drenovskii* Degen & Stoj. 8000, 20171  
**V** 19426 Bulgaria (south west) 8000  
**R** Greece (north east) 8000
- V** *Fritillaria eastwoodiae* Macfarlane 20850  
**V** 20850 U.S. - California 20850
- R** *Fritillaria epirotica* Turrill ex Rix 17781, 20171  
**R** 17781 Greece (Epirus Mts.) 17781
- E** *Fritillaria euboica* Rix 17781, 20171  
**E** 17781 Greece (south Evvoia) 17781
- V** *Fritillaria falcata* (Jepson) D.E. Beetle 20850  
**V** 20850 U.S. - California 20850  
**I** 20850 U.S. - Oregon 20850
- R** *Fritillaria fleischeriana* Steud. & Hoch. ex Sch. &  
 Sch.f. 12840  
**R** 12840 Turkey 12840
- R** *Fritillaria forbesii* Baker 12840  
**R** 12840 Turkey 12840
- E** *Fritillaria gentneri* Gilkey 20850  
**E** 20850 U.S. - Oregon 20850
- I** *Fritillaria grandiflora* Grossh. 5942  
**I** 5942 Azerbaijan 5942
- R** *Fritillaria gussichiae* (Degen & Dörf.) Rix 8000,  
 20171  
**R** Bulgaria 8000  
**R** Greece 8000  
**R** (former) Yugoslavia 8000
- R** *Fritillaria involucrata* All. 17781, 20171  
**R** 17781 France (south-east) 17781

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Liliaceae: *Fritillaria*

- V 19997 Italy (Piemonte & Liguria) 19997
- R *Fritillaria japonica* Miq. 11164  
R 11164 Japan 11164
- V *Fritillaria kaiensis* Naruh. 11164  
V 11164 Japan 11164
- V *Fritillaria liliacea* Lindl. 20850, 14908  
V 20850 U.S. - California 20850
- R *Fritillaria macedonica* Bornm. 20178, 20171  
R 20178 Albania 20178  
R (former) Yugoslavia
- V *Fritillaria michailovskyi* Fomin 12840  
V 12840 Turkey 12840
- R *Fritillaria minima* Rix 12840  
R 12840 Turkey 12840
- V *Fritillaria muraiana* Ohwi 11164  
V 11164 Japan 11164
- R *Fritillaria obliqua* Ker Gawl. 8000, 20171  
R Greece (south (Attiki)) 8000
- E *Fritillaria ojaiensis* A. Davids. 20850  
E 20850 U.S. - California 20850
- V *Fritillaria pallidiflora* Schrenk 11139  
V China - Xinjiang Uygur Zizhiqu 11139
- R *Fritillaria pluriflora* Torr. ex Benth. 20850  
R 20850 U.S. - California 20850
- R *Fritillaria pontica* Wahlenb. 5204, 20171  
R 5204 Bulgaria 5204
- I *Fritillaria raddeana* Regel 5942  
I 5942 Uzbekistan 5942
- R *Fritillaria rhodia* Hansen  
R Greece
- R *Fritillaria rhodocanakis* Orph. ex Baker 8000, 20171  
R Greece (south - island of Idhra) 8000
- V *Fritillaria shikokiana* Naruh. 11164  
V 11164 Japan 11164
- R *Fritillaria sibthorpiana* auct. balcan., non (Sibth. & Sm.)  
Baker 12840, 20171  
R 12840 Turkey 12840
- V *Fritillaria striata* Eastw. 20850  
V 20850 U.S. - California 20850
- R *Fritillaria tubaeformis* Gren. & Godron 18264  
R 18264 Italy 18264
- R *Fritillaria tuntasia* Heldr. ex Halácsy 17781, 20171  
R 17781 Greece (Kythnos) 17781
- R *Fritillaria viridea* Kellogg 20850  
R 20850 U.S. - California 20850
- I *Fritillaria viridiflora* Post 12840  
I 12840 Turkey 12840
- R *Fritillaria whittallii* Baker 12840  
R 12840 Turkey 12840
- R *Gagea mauritanica* Durieu 10487  
R 14958 Algeria 10487
- V *Gagea tenuissima* Misch. 12840  
V 12840 Turkey 12840
- R *Lilium carnolicum* Bernh. ex W. Koch var. *artvinense*  
(Misch.) Davis & Henderson 12840  
R 12840 Turkey 12840
- I *Lilium caucasicum* (Misch. ex Grossh.) Grossh. 5942  
I 5942 Russia - North Caucasus 5942
- I *Lilium cernuum* Kom. 11552  
I 5942 Russia (Far East) - Primorye (south) 5942
- V *Lilium ciliatum* Davis 12840  
V 12840 Turkey 12840
- R *Lilium grayi* S.Watson 20850  
R 20850 U.S. - North Carolina 20850  
E 20850 U.S. - Tennessee 20850  
V 20850 U.S. - Virginia 20850
- R *Lilium humboldtii* Roetz & Leichtl. ex Duchartre ssp. *humboldtii* 20850  
R 20850 U.S. - California 20850
- R *Lilium humboldtii* Roetz & Leichtl. ex Duchartre ssp. *ocellatum* (Kellogg) Thorne 20850  
R 20850 U.S. - California 20850
- E *Lilium iridollae* Henry 20850  
E 20850 U.S. - Alabama 20850  
E 20850 U.S. - Florida 20850  
E 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Virginia 20850
- I *Lilium ledebourii* (Baker) Boiss. 5942  
I 5942 Azerbaijan 5942
- E *Lilium mackliniae* Sealy 11494  
E 11494 India - Manipur (Shirhoy Hill) 11494
- V *Lilium maculatum* Thunb. var. *bukosanense* (Honda)  
Hara 11164  
V 11164 Japan 11164
- R *Lilium maculatum* Thunb. var. *monticola*  
Hara 11164  
R 11164 Japan 11164
- V *Lilium maritimum* Kellogg 20850  
V 20850 U.S. - California 20850
- I *Lilium neilgherrense* Wight  
I India - Karnataka  
I India - Tamil Nadu 2268
- E *Lilium occidentale* Purdy 20850  
E 20850 U.S. - California 20850  
E 20850 U.S. - Oregon 20850
- E *Lilium pardalinum* Kellogg ssp. *pitkinense* (Beane & Vollmer) M. Skinner 20850  
E 20850 U.S. - California 20850
- R *Lilium parryi* S.Watson 20850, 14908  
V 20850 U.S. - Arizona 20850  
V 20850 U.S. - California 20850
- V *Lilium pomponium* L. 17781, 20171  
V 17781 France (Provence) 17781  
E 18264 Italy (Liguria) 19997
- R *Lilium rhodopaeum* Delip. 5204, 20171  
V 19426 Bulgaria (south - one area and one site.) 5204  
R 14000 Greece 14000
- R *Lilium rubellum* Baker 11164  
R 11164 Japan 11164
- I *Lilium wallichianum* Schultes f. 7771  
I India - Uttar Pradesh (Chamoli Dist. Kumaun) 7771  
V Nepal 7771
- R *Lloydia himalensis* Royle 13883  
R 13883 Bhutan (Mela and Thang Chu-Ritang) 13883  
R 13883 India - Himachal Pradesh (Simla) 13883  
R 13883 India - Jammu & Kashmir 13883



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Liliaceae: *Lloydia*

- R 13883 India - Sikkim (tsomgo) 13883  
R 13883 Nepal (Arun Valley, Kumrang La.) 13883
- R *Lloydia serotina* (L.) Salisb. ex Reichenb. ssp.  
*flava* Calder & Taylor 20850  
R 20850 Canada - British Columbia 20850
- R *Tenicroa multifolia* (G.J.Lewis) Oberm. 20604  
R 20604 South Africa - Cape Province 20604
- R *Tenicroa nana* Snijman 20604  
R 20604 South Africa - Cape Province 20604
- I *Tenicroa planifolia* D. & U.Müll.-Doblies ined. 20604  
I 20604 South Africa - Cape Province 20604
- I *Tulipa albertii* Regel 5942  
I 5942 Kazakhstan 5942  
I 5942 Kyrgyzstan 5942
- Ex *Tulipa aximensis* E.P.Perrier & Songeon 20171  
Ex 20528 France (Savoie) 20528
- Ex *Tulipa billietiana* Jord. 20171  
Ex 20528 France (Savoie & Alpes-Maritimes) 20528
- R *Tulipa carinata* Vved.  
R former USSR 6930
- E *Tulipa cypria* Stapf 14230  
E 20710 Cyprus 14230
- E *Tulipa didieri* Jord. 18154, 20171  
E 20528 France (Savoie) 20528
- V *Tulipa doerfleri* Gand. 20171  
V 20731 Greece - Crete 20731
- E *Tulipa fosteriana* Irving  
E former USSR 6930
- V *Tulipa goulimyi* Sealy & Turrill 17781, 20171  
V 19174 Greece 19174
- I *Tulipa greigii* Regel 5942  
I 5942 Kazakhstan (southern) 5942  
I 5942 Kyrgyzstan 5942
- E *Tulipa grengiolensis* Thommen 18154, 20677  
E 18154 Switzerland 18154
- R *Tulipa heteropetala* Ledeb.  
R former USSR 6930
- E *Tulipa hoogiana* B. Fedtsch.  
E former USSR 6930
- I *Tulipa ingens* Hoog. 5942  
I 5942 Tajikistan 5942  
I 5942 Uzbekistan 5942
- I *Tulipa kaufmanniana* Regel 5942  
I 5942 Kazakhstan (southeastern) 5942  
I 5942 Kyrgyzstan 5942
- V *Tulipa korolkowii* Regel  
V former USSR 6930
- E *Tulipa kuschkensis* B. Fedtsch.  
E former USSR 6930
- I *Tulipa lanata* Regel 5942  
I 5942 Tajikistan (south-east) 5942  
I 5942 Uzbekistan (south-east) 5942
- R *Tulipa linifolia* Regel  
R former USSR 6930
- E *Tulipa lortetii* Jord. 20171  
E 20528 France (south-east) 20528
- Ex *Tulipa marjoletii* Perr. & Song. 20528  
Ex 20528 France (Savoie) 20528
- E *Tulipa mauriana* Jord. & Fourr. 20171

- E 20528 France (Savoie) 20528
- R *Tulipa maximowiczii* Regel  
R former USSR 6930
- I *Tulipa mogoltavica* Popov & Vved. 5942  
I 5942 Kyrgyzstan 5942  
I 5942 Uzbekistan 5942
- E *Tulipa montisandrei* J.Prudhomme 20528  
E 20528 France (Savoie: Hermillon) 20528
- I *Tulipa ostrowskiana* Regel 5942  
I 5942 Kazakhstan 5942  
I 5942 Kyrgyzstan 5942
- Ex *Tulipa planifolia* Jord. 20171  
Ex 20528 France (Savoie) 20528
- E *Tulipa platystigma* Jord. 20171  
E 20528 France (Hautes-Alpes) 20528
- V *Tulipa praestans* Hoog  
V former USSR 6930
- R *Tulipa regelii* Krasnov 5942  
R 5942 Kazakhstan (south-east) 5942
- V *Tulipa rhodopaea* Vel. 5204  
V 5204 Bulgaria (Southern Bulgaria - one site only.) 5204
- R *Tulipa rosea* Vved.  
R former USSR 6930
- R *Tulipa schmidtii* Fomin  
R former USSR 6930
- Ex *Tulipa sprengeri* Baker 12840  
Ex 12840 Turkey 12840
- E *Tulipa subpraestans* Vved.  
E former USSR 6930
- R *Tulipa tarda* Stapf  
R former USSR 6930
- V *Tulipa urumoffii* Hayek 5204, 20171  
V 5204 Bulgaria (Rodopi) 8000
- V *Tulipa wilsoniana* Hoog  
V former USSR 6930
- R *Tulipa zenaïdae* Vved.  
R former USSR 6930

**Limnocharitaceae**

Number of genera: 3  
Number of species: 7-12  
Recorded threatened species: 3 (30%)

Tropics and subtropics.

- R *Hydrocleys mattogrossensis* (Kuntze) Holm-Nielsen & Haynes 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883
- R *Hydrocleys modesta* Pedersen 20883  
V 20883 Argentina 20883  
V 20883 Brazil 20883  
E 20883 Paraguay 20883
- R *Hydrocleys parviflora* Seubert 20883  
E 20883 El Salvador 20883  
V 20883 Honduras 20883  
V 20883 Mexico 20883  
V 20883 Nicaragua 20883  
V 20883 Bolivia 20883  
V 20883 Brazil 20883  
E 20883 Colombia 20883  
V 20883 Venezuela 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Limnocharitaceae: *Hydrocleys*

**Lomandraceae**

Number of genera: 6  
 Number of species: 42  
 Recorded threatened species: 6 (14%)

New Guinea, Australia, New Caledonia.

- R** *Lomandra brevis* A.T.Lee 20681  
 R 20681 Australia - New South Wales 20681
- R** *Lomandra fluviatilis* (R.Br.) A.Lee 20681  
 R 20681 Australia - New South Wales 20681
- R** *Lomandra patens* A.T.Lee 20681  
 I 20681 Australia - New South Wales 20681  
 I 20681 Australia - Northern Territory 20681
- R** *Lomandra teres* T.D.Macfarlane 20681  
 R 20681 Australia - Queensland 20681
- R** *Romnaldia grallata* R.Henderson 20681  
 R 20681 Australia - Queensland 20681
- V** *Romnaldia strobilacea* R.Henderson 20681  
 V 20681 Australia - Queensland 20681

**Lowiaceae**

Number of genera: 1  
 Number of species: 6  
 Recorded threatened species: 1 (16%)

Southern China; Malay Peninsula; Pacific islands.

- R** *Orchidantha chinensis* T.L. Wu 17617  
 R 17617 China - Guangdong (Xingyi) 11139  
 R 17617 China - Guangxi (Shangshi) 11139

**Marantaceae**

Number of genera: 30  
 Number of species: 400  
 Recorded threatened species: 11 (2%)

Pantropical, especially New World.

- E** *Calathea allenii* Woods. 20883, 9006  
 I 20883 Panama 20883
- E** *Calathea coriacea* H. Kennedy 20883, 9832  
 I 20883 Costa Rica 20883  
 I 20883 Panama 20883
- E** *Calathea dressleri* H. Kennedy 20883, 9833  
 I 20883 Panama 20883
- R** *Calathea misantlensis* Lascurain 21248  
 R 21248 Mexico - Veracruz 21248
- E** *Calathea verecunda* H. Kennedy 20883, 10747  
 I 20883 Panama 20883
- I** *Marantochloa congenisis* (Schumann) Leonard & Mull. var. *microphylla* Koehlin  
 I Gabon
- I** *Phrynium cadellianum* Baker 7771  
 I India - Andaman Is. 7771
- V** *Phrynium imbricatum* Roxb. 14872  
 V 14872 Bangladesh 14872
- I** *Phrynium paniculatum* Balakr. 7771  
 I India - Nicobar Is. (Gt. Nicobar Is.) 7771
- I** *Stachyphrynium spicatum* (Roxb.) Schumann 4988  
 I India - Karnataka 4988  
 I India - Kerala 9336
- E** *Thalia angustifolia* C. Wright 5607

E 19105 Cuba (Pinar del Rio) 5607

**Melanthiaceae**

Number of genera: 24  
 Number of species: 146  
 Recorded threatened species: 17 (11%)

Widespread except Africa, mostly north temperate.

- E** *Aletris bracteata* Northrop 20850  
 I 20850 U.S. - Florida 20850
- V** *Aletris makiyataroi* Naruh. 11164  
 V 11164 Japan 11164
- E** *Chionographis japonica* Maxim. var. *hisauchiana* Okuyama 11164  
 E 11164 Japan 11164
- E** *Chionographis japonica* Maxim. var. *minoensis* Hara 11164  
 E 11164 Japan 11164
- E** *Harperocalis flava* McDaniel 20850  
 E 20850 U.S. - Florida (Franklin & Liberty Co.) 20850
- R** *Helonias bullata* L. 20850, 14594  
 R 20850 U.S. - Delaware (Coastal Plain) 20850  
 E 20850 U.S. - Georgia (Rabun County) 20850  
 V 20850 U.S. - Maryland (Anne Arundel, Cecil, & Dorchester Counties) 20850  
 R 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - New York 20850  
 V 20850 U.S. - North Carolina (Jackson, Henderson, & Transylvania Counties) 20850  
 I 20850 U.S. - Pennsylvania 20850  
 E 20850 U.S. - South Carolina (Greenville County) 20850  
 V 20850 U.S. - Virginia 20850
- R** *Japonolirion osense* Nakai 11164  
 R 11164 Japan 11164
- V** *Nartheicum americanum* Ker-Gawl. 20850  
 Ex 20850 U.S. - Delaware 20850  
 I 20850 U.S. - Maryland 20850  
 V 20850 U.S. - New Jersey 20850  
 Ex 20850 U.S. - North Carolina 20850  
 Ex/E 20850 U.S. - South Carolina 20850
- R** *Nartheicum scardicum* Kosanin 20178, 20171  
 R 20178 Albania 20178  
 V Greece  
 R (former) Yugoslavia
- R** *Schoenocaulon pringlei* Greenman 9114  
 R 9019 Mexico 9114
- R** *Tofieldia coccinea* Richards. var. *akkana* T. Shimizu 11164  
 R 11164 Japan 11164
- V** *Tofieldia coccinea* Richards. var. *geibiensis* (Kikuchi) Hara 11164  
 V 11164 Japan 11164
- V** *Tofieldia coccinea* Richards. var. *kiusiana* (Okuy.) Hara 11164  
 V 11164 Japan 11164
- R** *Tofieldia fauriei* Leveillé & Vaniot 15957  
 R 15923 Korea, South (Mt Halla) 15957
- R** *Tofieldia glabra* Nutt. 20850  
 I 20850 U.S. - Connecticut 20850  
 I 20850 U.S. - Georgia 20850  
 R 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Melanthiaceae: *Tofieldia*

- E** *Tofieldia glutinosa* C.L. Hitchc. ssp. *absona* C.L.  
Hitchc. 20850  
**I** 20850 U.S. - Idaho 20850
- I** *Veratrum chiengdaoense* K. Larsen  
Thailand (Doi Chiengdao)
- V** *Veratrum tenuipetalum* Heller 20850  
**I** 20850 U.S. - Colorado 20850  
**E** 20850 U.S. - Wyoming 20850
- R** *Zigadenus brevibracteatus* (M.E. Jones) Hall 20850  
**I** 20850 U.S. - California 20850
- V** *Zigadenus vaginatus* (Rydb.) J.F. Macbr. 20850  
**V** 20850 U.S. - Colorado 20850  
**V** 20850 U.S. - Utah 20850

Musaceae

Number of genera: 2  
Number of species: 42  
Recorded threatened species: 2 (4%)

Tropical and subtropical Old World.

- Ex** *Musa fitzalanii* F.Muell. 20681  
**Ex** 20681 Australia - Queensland 20681
- V** *Musa gracilis* Holtttm 8260  
**V** Malaysia - Peninsular Malaysia (Johor) 19209
- R** *Musa jackeyi* W.Hill 20681  
**R** 20681 Australia - Queensland 20681

Orchidaceae

Number of genera: 800  
Number of species: 25,000-35,000  
Recorded threatened species: 1,779 (5%)

Cosmopolitan.

- R** *Aa nervosa* (Kranzlin) Schltr. 5595  
**R** 19534 Chile 5595
- R** *Acianthus amplexicaulis* (Bailey) Rolfe 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** *Acianthus apprimus* D.L.Jones 20681  
**R** 20681 Australia - New South Wales 20681
- R** *Acianthus exiguus* D.L.Jones 20681  
**R** 20681 Australia - New South Wales 20681
- Ex** *Acianthus ledwardii* Rupp 20681  
**Ex** 20681 Australia - New South Wales 20681
- R** *Acianthus sublestus* Dockr. 20681  
**R** 20681 Australia - Queensland 20681
- R** *Acianthus vulcanicus* Schodde 14794  
**R** 14793 PNG - Bougainville (N.Solomon Is.) 14794  
**R** 14793 Solomon Is. - South 14794
- V** *Acineta barkeri* (Bateman) Lindley 9019  
**V** 18110 Guatemala 18110  
**V** 9019 Mexico - Chiapas 9019  
**V** 18110 Mexico - Guerrero 18110  
**V** 9019 Mexico - Oaxaca 9019  
**V** 18110 Mexico - Puebla 11933  
**V** 9019 Mexico - Veracruz 9019
- R** *Acineta erythroxantha* Reichb.f. 9037  
**E** 9426 Costa Rica 9037  
**R** 10007 Mexico 9037
- E** *Acineta gymnoste* Schltr. 9037  
**E** 9426 Costa Rica 9037

- V** *Acostaea costaricensis* Schltr. ssp. *bicornis* (Luer) Luer 12470  
**V** 16317 Panama 12470
- V** *Acostaea costaricensis* Schltr. ssp. *unicornis* (Luer) Luer 12470  
**V** 16317 Panama 12470
- V** *Acostaea trilobata* Luer 12470  
**V** 19045 Ecuador 19045
- V** *Acriopsis densiflora* Lindl. var. *borneensis* (Ridley) M.E. Minderh. & Vogel 19218  
**V** 19218 Malaysia - Sabah 19218
- R** *Acrolophia barbata* (Thunb.) H.P.Linder 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Acrolophia bolusii* Rolfe 20604  
**V** 20604 South Africa - Cape Province 20604
- R** *Acrolophia micrantha* (Lindl.) Schltr. & Bolus 20604  
**R** 20604 South Africa - Cape Province 20604
- V** *Acrolophia ustulata* (Bolus) Schltr. & Bolus 20604, 3774  
**V** 20604 South Africa - Cape Province 20604
- E** *Aerantes arachnites* Lindley var. *balfourii* S. Moore 5852  
**E** 5852 Mauritius - Rodrigues (Grande Mt & Mont Cimetiere) 5852
- I** *Aerides fieldingii* Williams 4300  
**I** India - Assam 4300  
**I** India - Meghalaya (Khasi hills) 4300  
**I** India - Sikkim 4300
- I** *Aerides vandara* Reichb. 4300  
**V** 19161 Bhutan 4300  
**I** India - Assam 4300  
**I** India - Meghalaya (Khasi hills) 4300  
**I** India - Nagaland 4300
- V** *Agrostophyllum occidentale* Schltr. 14296  
**Ex/E** 19182 Madagascar 10246  
**V** 19182 Seychelles 14296
- I** *Agrostophyllum zeylanicum* Hook.f. 8021  
**I** 16162 Sri Lanka 8021
- V** *Alamania punicea* Llave & Lex. 9423  
**V** 16360 Mexico 9423
- R** *Allochilus eberhardtii* Gagnepain 6057  
**R** Vietnam 6057
- V** *Amparoa beloglossa* (Reichb.f.) Schltr. 10047  
**V** 19850 Mexico 10047
- R** *Anacamptis urvilleana* Sommier & Caruana 17934, 20171  
**R** 17934 Malta 17934
- R** *Androcorys japonensis* F. Maek. 11164  
**R** 11164 Japan 11164
- Ex** *Angraecum carpophorum* 10082  
**Ex** 10082 Réunion 10082  
**Ex** 20771 Mauritius 10082
- V** *Angraecum liliodorum* Frapp ex Cordem. 10082  
**V** 10082 Réunion 10082  
**V** 20771 Mauritius 10082
- Ex** *Angraecum obversifolium* Frapp. 10082  
**Ex** 10082 Réunion 10082  
**Ex** 20771 Mauritius 10082
- V** *Angraecum ramosum* Thouars 10082  
**V** 10082 Réunion 10082  
**V** 20771 Mauritius 10082
- R** *Anoetochilus chapaensis* Gagnepain 6057

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Anoectochilus*

- R 20985 Vietnam 6057
- E II *Anoectochilus nicobaricus* Balakr. & Chakrab. 5231  
E 11494 India - Nicobar Is. (Great Nicobar) 11494
- Ex/E II *Anoectochilus rotundifolius* (Blatter) Balakr. 11494  
Ex/E 11494 India - Tamil Nadu (High Wavy Mts, Madura) 11494
- R II *Anoectochilus sandwicensis* Lindl. 20850, 14209  
I 20850 U.S. - Hawaii 20850
- I II *Anoectochilus sikkimensis* King & Pantl. 4300  
I India - Sikkim 4300
- V II *Anoectochilus tetrapterus* Hook.f. 11494  
V 11494 India - Manipur 11494
- R II *Anoectochilus yungianus* S. Y. Hu 19924  
R 19924 Hong Kong (New Territories) 19924
- V II *Apatostelis atrorubens* (L.O. Williams) Garay 11502  
V 16317 Panama 11502
- R II *Aphyllorchis anomala* Dockr. 20681  
R 20681 Australia - Queensland 20681
- Ex/E II *Aphyllorchis gollani* Duthie 11494  
Ex/E 11494 India - Uttar Pradesh (Tehri-Garwhal) 11494
- I II *Aphyllorchis vaginata* Hook.f.  
I India - Meghalaya (Khasi hills)
- R II *Appendicula australiensis* (Bailey) M.A.Clements & D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- V II *Appendicula congener* Blume 8309  
V 19047 Indonesia - Java (West Java) 8309
- V II *Appendicula densiflora* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia 19047
- R II *Arachnis beccarii* Reichb. f. var. *imthurnii* (Rolfe) Tan 14794  
R 14794 PNG - Bougainville (N.Solomon Is.) 14794  
R 14793 Solomon Is. - South 14794
- R II *Arachnis clarkei* (Reichb. f.) J.J. Smith 4300  
R 19161 Bhutan 4300  
I India - Arunachal Pradesh  
I India - Meghalaya  
I India - Sikkim 4300
- I II *Arachnis limax* Seidenf. 19120  
I 19120 Thailand 19120
- V II *Arachnis lowii* Reichb. f. 19047  
V 19047 Indonesia - Kalimantan 19047  
E 14965 Malaysia - Sarawak 14965
- E II *Archineottia gaudissartii* (Hand.-Mazz.) S.C. Chen 17617  
E 17617 China - Henan (Shongshan) 11139  
E 17617 China - Shanxi (Taiyushan) 11139
- R II *Archineottia microglottis* (Duthie) S.C. Chen 11494  
R 11494 India - Uttar Pradesh 11494
- I II *Armorum siamensis* Schltz. 19120  
I 19120 Thailand 19120
- V II *Arnottia mauritiana* A. Rich. 10082  
V 10082 Réunion 10082  
V 20771 Mauritius 10082
- V II *Arpophyllum jamaicense* Schltr. 20883, 19890  
V 19890 Jamaica 20883
- V II *Artorima erubescens* (Lindley) Dressler & Pollard 10007  
V 18110 Mexico - Guerrero 18110
- V 18110 Mexico - Oaxaca 18110
- I II *Ascocentrum semiteretifolium* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Ascochilus nitidus* Seidenf. 19120  
I 19120 Thailand 1920
- V II *Barbosella circinata* Luer 10009  
? Costa Rica 21258  
V 10020 Panama 10009
- V II *Barbosella geminata* Luer 10009  
V 9426 Costa Rica 10009
- V II *Barkeria dorotheae* Halbinger 11938  
V 19850 Mexico 11938
- R II *Barkeria halbingeri* Thien 11344  
R 11933 Mexico 11344
- E II *Barkeria lindleyana* Bateman ex Lindley ssp. *lindleyana* 9422  
E 9426 Costa Rica 9422
- V II *Barkeria melanocaulon* A. Rich. & Galeotti 9422  
V 19850 Mexico - Oaxaca 9422
- V II *Barkeria scandens* (Llave & Lex.) Dressler & Halbinger 11938  
V 16360 Mexico 11938
- R II *Barkeria shoemakeri* F. Halbinger 9422  
R 11119 Mexico - Michoacan 9422
- V II *Barkeria strophinx* (Reichb.f.) Halbinger 19850  
V 19850 Mexico 19850
- R II *Barkeria uniflora* (Llave & Lex.) Dressler & Halbinger 9422  
R 10007 Guatemala 9422  
V 10007 Mexico 9422
- E II *Barlia metlesicsiana* Teschner 20750  
E 20750 Spain - Canary Is. 20750
- E II *Basiphyllaea angustifolia* Schlechter 20883, 19408  
I 20883 Cuba 20883  
E 19408 Dominican Republic 19408  
? Hispaniola 8058  
I 20883 Puerto Rico 20883
- V II *Basiphyllaea corallicola* (Small) Ames 20883, 20850, 19002  
E 20850 U.S. - Florida 20850  
? Cuba 19002  
I 20883 Puerto Rico 20883
- R II *Baskervillea pastasae* Garay 19045  
R 19045 Ecuador 19045
- I II *Biermannia jainiana* S.N. Hegde & A. Nageswara Rao 10260  
I India - Arunachal Pradesh 9416
- E II *Bipinnula taltalensis* Johnston. 20580  
E 20580 Chile - Antofagasta (Paposo National Park) 20580
- R II *Bletia florida* (Salisb.) R.Br. 20883  
R 20883 Jamaica 20883
- R II *Bletia greenmaniana* L.O. Williams 9423  
R 16360 Mexico 9423
- V II *Bletia macristhmochila* Greenman 9423  
V 10007 Mexico 9423
- R II *Bletia nelsonii* Ames 9423  
R 11933 Mexico 9423
- V II *Bletia urbana* Dressler 11938  
V 19850 Mexico 11938

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Bletia*

- R** **II** *Bolusiella maudiae* (Bolos) Schltr. 20604  
**R** 20604 South Africa - Natal 20604
- R** **II** *Bonatea eminii* (Kraenzlin) Rolfe 7959  
**R** 5926 Tanzania (Dodoma) 7959
- R** **II** *Bonatea lamprophylla* J.L.Stewart 20604  
**R** 20604 South Africa - Natal 20604
- R** **II** *Bonatea rabaiensis* (Rendle) Rolfe 6073  
**R** 6073 Kenya 6073  
**I** 5926 Tanzania 7959
- I** **II** *Bonatea saundersiae* (Harv.) T.Durand & Schinz 20604  
**I** 20604 South Africa - Natal 20604
- R** **II** *Bonatea stereophylla* (Kraenzlin) Summerh. 7959  
**R** 5926 Tanzania (Njombe Distr.) 7959
- E** **II** *Bonatea tentaculifera* Summerh. 6073  
**E** 6073 Kenya (Nairobi City Park) 7959
- E** **II** *Brachionidium ballatrix* Luer & Hirtz 19045  
**E** 19045 Ecuador 19045
- V** **II** *Brachionidium ciliolatum* Garay 20883, 15106  
**I** 20883 Puerto Rico 20883
- R** **II** *Brachionidium dussii* Cogn 19400  
**R** 19400 Guadeloupe 19400
- E** **II** *Brachionidium operosum* Luer & Hirtz 19045  
**E** 19045 Ecuador 19045
- E** **II** *Brachionidium parvifolium* (Lindl.) Lindl. 19045  
**E** 19045 Ecuador 19045
- E** **II** *Brachionidium pteroglossum* Luer 19045  
**E** 19045 Ecuador 19045
- E** **II** *Brachionidium simplex* Garay 19045  
**E** 19045 Ecuador 19045
- V** **II** *Brachionidium uxorium* Luer & Vásquez 21301  
**V** 21301 Puerto Rico 21301
- E** **II** *Brachionidium zunagense* Luer & Hirtz 19045  
**E** 19045 Ecuador 19045
- R** **II** *Brachycorythis macowaniana* Rehb.f. 20604  
**R** 20604 South Africa - Cape Province 20604
- R** **II** *Brachycorythis tanganyikensis* Summerh. 7959  
**R** 5926 Tanzania (Morogoro Distr.) 7959
- R** **II** *Brachypeza archyatas* (Ridley) Garay 881  
**R** 14224 Australia - Christmas Is. 881
- V** **II** *Broughtonia negrilensis* Fowlie 19890  
**V** 19890 Jamaica 19221
- R** **II** *Broughtonia sanguinea* (Sw.) R. Br. 20883, 19890  
**V** 19890 Jamaica 20883
- R** **II** *Bulbophyllum acutiflorum* A. Rich. 11494  
**R** 11494 India - Tamil Nadu 11494
- I** **II** *Bulbophyllum adangensis* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum albibracteatum* Seidenf. 19120  
**I** 19120 Thailand 19120
- R** **II** *Bulbophyllum albidum* (Wight) Hook.f. 11494  
**R** 11494 India - Tamil Nadu 11494
- I** **II** *Bulbophyllum angusteovatum* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum annandalei* Ridl. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum ardjunense* J.J. Smith 8309  
**I** Indonesia - Java (east) 8309
- R** **II** *Bulbophyllum aureum* (Hook.f.) J.J. Smith 11494  
**R** 11494 India - Kerala (Muthukuzhivayal, Wynaad) 11494
- V** **II** *Bulbophyllum bibundense* Schltr.  
**V** Cameroon (Molwe)
- I** **II** *Bulbophyllum bisetoides* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum brevistelidium* Seidenf. 19120  
**I** 19120 Thailand 19120
- V** **II** *Bulbophyllum caespitosum* Thouars 10082  
**V** 20771 Mauritius 10082
- V** **II** *Bulbophyllum capilligerum* J.J. Smith 8309  
**V** 19047 Indonesia - Java (east) 8309
- V** **II** *Bulbophyllum carunculaelabrum* Carr 19047  
**V** 19047 Malaysia - Peninsular Malaysia (Johor, Bt Kajang, Kemaman) 19047
- R** **II** *Bulbophyllum crassifolium* Thwaites ex Trimen 8021  
**R** 20013 Sri Lanka (Ritigala, Kukul Korale) 8021
- R** **II** *Bulbophyllum dennisii* J.J. Wood 14794  
**R** 14793 PNG - Bougainville (N.Solomon Is.) 14794  
**R** 14793 Solomon Is. - South 14794
- I** **II** *Bulbophyllum dhaninivatii* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum didymotropis* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** **II** *Bulbophyllum echinulus* Seidenf. 19120  
**I** 19120 Thailand 19120
- R** **II** *Bulbophyllum elegans* Gardner ex Thwaites 8021  
**R** 20013 Sri Lanka 8021
- V** **II** *Bulbophyllum elegantulum* (Rolfe) J.J. Smith 11494  
**V** 11494 India - Karnataka (Coorg) 11494  
**V** 11494 India - Tamil Nadu (Kudmi, Nilgiri hills) 11494
- R** **II** *Bulbophyllum elliae* Reichb.f. 8021  
**R** 20013 Sri Lanka 8021
- R** **II** *Bulbophyllum evrardii* Gagnepain 6057  
**R** 20985 Vietnam 6057
- I** **II** *Bulbophyllum filiforme* Kranzlin  
**I** Cameroon
- R** **II** *Bulbophyllum fractiflexum* J.J. Smith ssp. *solomonense* J. Vermeulen & B. Lewis 14794  
**R** 14793 PNG - Bougainville (N.Solomon Is.) 14794  
**R** 14793 Solomon Is. - South 14794
- I** **II** *Bulbophyllum fusco-purpureum* Wight  
**I** India - Tamil Nadu (Nilagiri Hills) 4988
- I** **II** *Bulbophyllum gibbolabium* Seidenf. 19120  
**I** 19120 Thailand 19120
- V** **II** *Bulbophyllum globosum* 19047  
**V** 19047 Malaysia - Peninsular Malaysia 19047
- V** **II** *Bulbophyllum globuliforme* Nicholls 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** **II** *Bulbophyllum grandimesense* B.Gray & D.L.Jones 20681  
**R** 20681 Australia - Queensland 20681
- R** **II** *Bulbophyllum inaequale* (Blume) Lindley 8309  
**R** Indonesia - Java (West & East Java) 8309
- E** **II** *Bulbophyllum jamaicense* Cogn. 20883, 19890  
**E** 19890 Jamaica (St. Andrew, St. Thomas) 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Bulbophyllum*

- V II *Bulbophyllum javanicum* Miq. 19047  
V 19047 Indonesia - Java 19047
- V II *Bulbophyllum kaitiense* (Wight) Reichb. F. 13883  
V 13883 India - Tamil Nadu (Nilgiris) 13883
- V II *Bulbophyllum longibulbus* Schltr.  
V Cameroon (Nyassosso)
- V II *Bulbophyllum lophoglottis* (Guillaumin) Halle 20893  
V 20893 New Caledonia 20893
- E II *Bulbophyllum macraei* (Lindley) Reichb.f. var. *tanegashimense* F. Maek. 11164  
E 11164 Japan 11164
- R II *Bulbophyllum makakense* J. Hansen  
R Cameroon
- R II *Bulbophyllum maskeliyense* Liv. 8021  
R 20013 Sri Lanka 8021
- I II *Bulbophyllum melanoxanthum* J. Vermeulen & B. Lewis 14794  
I 14793 PNG - Bougainville (N. Solomon Is.) 14794  
I 14793 Solomon Is. - South (New Georgia) 14794
- V II *Bulbophyllum modicum* Summerh.  
V Cameroon (Buea)
- I II *Bulbophyllum mysorensense* J.J. Smith  
I India - Karnataka (Mysore Hills) 4988
- V II *Bulbophyllum obscurum* J.J. Smith 8309  
V 19047 Indonesia - Java (West Java) 8309
- V II *Bulbophyllum perakense* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia (Perak) 19047
- V II *Bulbophyllum petiolatum* J.J. Smith 8309  
V 19047 Indonesia - Java (West Java) 8309
- V II *Bulbophyllum pulchellum* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia 19047
- R II *Bulbophyllum puntjakense* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- I II *Bulbophyllum purpureum* Thwaites 8021  
I 16162 Sri Lanka (Kandy) 8021
- Ex II *Bulbophyllum pusillum* Thouars 10082  
Ex 20771 Mauritius 10082
- I II *Bulbophyllum putii* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Bulbophyllum rauiflorum* Arora  
I India - Uttar Pradesh (Kumaun)
- E II *Bulbophyllum rothschildianum* (O'Brien) J.J. Smith 16294  
E 16294 India (hills in northeastern India) 16294
- I II *Bulbophyllum sanitii* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Bulbophyllum scotiifolium* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- R II *Bulbophyllum semiteratifolium* Gagnepain 6057  
R Vietnam 6057
- I II *Bulbophyllum stramineum* Ames 13833  
I 13833 Philippines (Palawan) 13833
- I II *Bulbophyllum subtenellum* Seidenf. 19120  
I 19120 Thailand 19120
- V II *Bulbophyllum teretifolium* Schltr.  
V Cameroon (Bibundi)
- I II *Bulbophyllum tricarinaratum* Petch 8021  
I 16162 Sri Lanka (Maturata, Nuwara Ehya) 8021
- I II *Bulbophyllum tricornooides* Seidenfaden 19120  
I 19120 Thailand 19120
- I II *Bulbophyllum tripaleum* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Bulbophyllum triviale* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Bulbophyllum truncatum* J.J. Smith 8309  
R Indonesia - Java (central) 8309
- I II *Bulbophyllum unciniferum* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Bulbophyllum undecifilum* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- R II *Bulbophyllum vituminaense* B. Lewis 17690  
R 17690 Vanuatu (Espintu Santo, Cumberland Peninsula) 17690
- E II *Bulbophyllum wagneri* Schltr. 20883, 10012  
I 20883 Panama 20883
- I II *Bulbophyllum wangkaense* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Bulbophyllum weinthalii* R. Rogers 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R II *Bulbophyllum windsorensense* B. Gray & D.L. Jones 20681  
R 20681 Australia - Queensland 20681
- R II *Bulbophyllum wolfei* B. Gray & D.L. Jones 20681  
R 20681 Australia - Queensland 20681
- V II *Bulbophyllum wrightii* Summerh.  
V Cameroon (M'bonge)
- V II *Bulbophyllum xanthum* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia 19047
- I II *Bulbophyllum xylocarpi* J.J. Smith 8309  
I Indonesia - Java (central) 8309
- I II *Bulleyia yunnanensis* Schltr. 20756  
V 20756 China - Yunnan 20756  
I India - Arunachal Pradesh  
I India - West Bengal (Darjeeling)
- R II *Burnettia cuneata* Lindley 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- R II *Cadetia collinsii* Lavarack 20681  
R 20681 Australia - Queensland 20681
- R II *Cadetia quadrangularis* Cribb & B. Lewis 14795  
R 14795 Vanuatu (Efate) 14795
- R II *Cadetia wariana* Schltr. 20681  
R 20681 Australia - Queensland 20681
- E II *Caladenia amoena* D.L. Jones 20681  
E 20681 Australia - Victoria 20681
- E II *Caladenia argocalla* D.L. Jones 20681  
E 20681 Australia - South Australia 20681
- R II *Caladenia arrecta* Hopper & A.P. Brown ms. 20681  
R 20681 Australia - Western Australia 20681
- Ex II *Caladenia atkinsonii* Rodway 20681, 14223  
Ex 20681 Australia - Tasmania 20681
- E II *Caladenia atroclavia* D.L. Jones & M.A. Clements 20681  
E 20681 Australia - Queensland 20681
- E II *Caladenia audasii* R. Rogers 20681  
Ex/E 20681 Australia - South Australia 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Caladenia*

- E 20681 Australia - Victoria 20681
- E || *Caladenia behrii* Schldl. 20681  
E 20681 Australia - South Australia 20681
- R || *Caladenia bicalliata* R.Rogers 20681  
R 20681 Australia - South Australia 20681
- Ex || *Caladenia brachyscapa* G.W.Carr 20681  
Ex 20681 Australia - Victoria 20681
- V || *Caladenia brumalis* D.L.Jones 20681  
V 20681 Australia - South Australia 20681
- E || *Caladenia bryceana* R.S.Rogers ssp. *bryceana* 20681  
E 20681 Australia - Western Australia 20681
- V || *Caladenia bryceana* R.Rogers ssp. *cracens* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- E || *Caladenia busselliana* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V || *Caladenia caesarea* (Domin) M.A.Clements & Hopper ssp. *maritima* Hopper & A.P.Brown 20681  
V 20681 Australia - Western Australia 20681
- V || *Caladenia calcicola* G.W.Carr 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V || *Caladenia caudata* Nicholls 20681  
V 20681 Australia - Tasmania 20681
- V || *Caladenia christineae* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- E || *Caladenia colorata* D.L.Jones 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V || *Caladenia concolor* Fitzg. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Victoria 20681
- R || *Caladenia cristata* R.Rogers 20681  
R 20681 Australia - Western Australia 20681
- V || *Caladenia dorrienii* Domin 20681  
V 20681 Australia - Western Australia 20681
- E || *Caladenia elegans* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V || *Caladenia excelsa* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Caladenia exstans* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Caladenia formosa* G.W.Carr 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R || *Caladenia fragrantissima* D.L.Jones & G.Carr ssp. *fragrantissima* 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E || *Caladenia fragrantissima* D.L.Jones & G.W.Carr ssp. *orientalis* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- E || *Caladenia fulva* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- E || *Caladenia gladiolata* R.Rogers 20681  
E 20681 Australia - South Australia 20681
- V || *Caladenia harringtoniae* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- E || *Caladenia hastata* (Nicholls) Rupp 20681  
E 20681 Australia - Victoria 20681
- V || *Caladenia hoffmanii* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Caladenia huegelii* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Caladenia insularis* G.W.Carr 20681  
V 20681 Australia - Victoria 20681
- R || *Caladenia integra* E.Coleman 20681  
R 20681 Australia - Western Australia 20681
- R || *Caladenia interjacens* Hopper & A.P.Brown ms. 20681  
R 20681 Australia - Western Australia 20681
- E || *Caladenia lowanensis* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- E || *Caladenia macroclavia* D.L.Jones 20681  
E 20681 Australia - South Australia 20681
- R || *Caladenia necrophylla* D.L.Jones 20681  
R 20681 Australia - South Australia 20681
- V || *Caladenia ovata* R.Rogers 20681  
V 20681 Australia - South Australia 20681
- R || *Caladenia plicata* Fitzg. 20681  
R 20681 Australia - Western Australia 20681
- Ex || *Caladenia pumila* R.Rogers 20681  
Ex 20681 Australia - Victoria 20681
- E || *Caladenia richardsiorum* D.L.Jones 20681  
E 20681 Australia - South Australia 20681
- E || *Caladenia rigida* R.Rogers 20681  
E 20681 Australia - South Australia 20681
- E || *Caladenia robinsonii* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- E || *Caladenia rosella* G.W.Carr 20681  
E 20681 Australia - New South Wales 20681  
Ex/E 20681 Australia - Victoria 20681
- R || *Caladenia speciosa* Hopper & A.P.Brown ms. 20681  
R 20681 Australia - Western Australia 20681
- E || *Caladenia tensa* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- V || *Caladenia tessellata* Fitzg. 20681  
V 20681 Australia - New South Wales 20681
- E || *Caladenia thysanochila* G.W.Carr 20681  
E 20681 Australia - Victoria 20681
- R || *Caladenia valida* (Nicholls) M.A.Clements & D.L.Jones 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- R || *Caladenia venusta* G.W.Carr 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- V || *Caladenia versicolor* G.W.Carr 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E || *Caladenia viridescens* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V || *Caladenia voigtii* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- R || *Caladenia vulgaris* D.L.Jones 20681  
R 20681 Australia - South Australia 20681
- V || *Caladenia wanosa* A.S.George 20681  
V 20681 Australia - Western Australia 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Caladenia*

- V II *Caladenia williamsonii* D.L.Jones ms. 20681  
V 20681 Australia - Tasmania 20681
- E II *Caladenia winfieldii* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V II *Caladenia woolcockiorum* D.L.Jones 20681  
V 20681 Australia - South Australia 20681
- E II *Caladenia xanthochila* D. & C. Beardsell 20681  
Ex/E 20681 Australia - South Australia 20681  
E 20681 Australia - Victoria 20681
- E II *Caladenia xantholeuca* D.L.Jones 20681  
E 20681 Australia - South Australia 20681
- I II *Calanthe alismaefolia* Lindley  
I India - Arunachal Pradesh  
I India - Meghalaya (Khasi hills)  
I India - Uttar Pradesh (Mussoorie)
- R II *Calanthe alpina* Hook.f.  
R 13883 Bhutan 13883  
R 13883 India - Sikkim 13883  
R 13883 India - Uttar Pradesh (Garhwal; Kumaun)  
13883  
R 13883 Nepal 13883
- I II *Calanthe antropophora* Ridl. 19120  
I 19120 Thailand 19120
- R II *Calanthe apostasioides* Schltr. 14794  
R 14793 Solomon Is. - South 14794
- V II *Calanthe aristulifera* Reichb.f. 11164  
V 11164 Japan 11164
- I II *Calanthe breviflos* Ridley 8309  
I Indonesia - Java (West Java) 8309
- V II *Calanthe bungoana* Ohwi 11164  
V 11164 Japan 11164
- V II *Calanthe candida* Bosser 10082  
V 10082 Réunion 10082  
V 20771 Mauritius 10082
- R II *Calanthe discolor* Lindley 8751  
R 15923 Korea, South 7588  
V Japan 8751
- R II *Calanthe ecallosa* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- V II *Calanthe fauriei* Schltr. 11164  
V 11164 Japan 11164
- E II *Calanthe hattorii* Schltr. 8038  
E 18128 Japan - Ogasawara-shoto (Hahajima) 8038
- I II *Calanthe herbacea* Lindley  
I India - Sikkim
- I II *Calanthe hirsuta* Seidenf. 19120  
I 19120 Thailand 19120
- V II *Calanthe izuinularis* (Satomi) Ohwi & Satomi 11164  
V 11164 Japan 11164
- V II *Calanthe nipponica* Makino 11164  
V 11164 Japan 11164
- V II *Calanthe oblanceolata* Ohwi & T. Koyama 11164  
V 11164 Japan 11164
- R II *Calanthe petelotiana* Gagnepain 6057  
R Vietnam 6057
- V II *Calanthe rubens* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia 19047
- V II *Calanthe schlechteri* Hara 11164  
V 11164 Japan 11164
- I II *Calanthe simplex* Seidenfaden 19120  
I 19120 Thailand 19120
- Ex II *Calanthe whiteana* King & Pantl.  
Ex India - Sikkim (Choongthang)
- E II *Calochilus pседnus* D.L.Jones 20681  
E 20681 Australia - Queensland 20681
- E II *Calochilus richiae* Nicholls 20681  
E 20681 Australia - Victoria 20681
- E II *Campylocentrum filiforme* (Sw.) Cogn. 20883, 19890  
Ex/E 20883 Jamaica 20883
- E II *Campylocentrum hirtzii* Dodson 19045  
E 19045 Ecuador 19045
- R II *Campylocentrum hondurensense* Ames 10028  
R 10028 Belize 10028  
R 10028 Honduras 10028
- V II *Campylocentrum madisonii* Dodson 19045  
V 19045 Ecuador 19045
- R II *Campylocentrum microphyllum* Ames & Correll 9004  
R 9004 Guatemala 9004  
R 9004 Mexico 9004
- E II *Campylocentrum minus* F. & R. 20883, 19890  
E 19890 Jamaica (Portland) 20883
- E II *Campylocentrum tenellum* Todzia 20883  
I 20883 Panama 20883
- R II *Catasetum laminatum* Lindley 9423  
R Mexico 11938  
I Mexico - Guerrero 9423  
I Mexico - Michoacan 9423  
I Mexico - Oaxaca 9423
- R II *Cattleya bowringiana* Veitch 9004  
R 10048 Belize 9004  
R 10048 Guatemala 9004
- R II *Cattleya granulosa* Lindley 9004  
R 9004 Guatemala 9004  
R 9004 Brazil 9004
- V II *Cattleya iricolor* Reichb.f. 12482  
V Ecuador  
E 12468 Peru 12482
- V II *Cattleya jenmanii* Rolfe 6154  
V 21264 Guyana 21264  
V 21264 Venezuela 6154
- R II *Cattleya lawrenceana* Reichb.f. 6154  
R 21264 Guyana 9987  
R 21264 Venezuela 6154
- V II *Cattleya maxima* Lindley 18200  
V Ecuador  
E 12482 Peru 18200
- E II *Cattleya mooreana* Withner, Allison & Grenard 18200  
E 16388 Peru 16388
- R II *Cattleya porphyroglossa* Linden & Reichb.f. 10260  
R 16388 Brazil 16388
- E II *Cattleya rex* O'Brien 18200  
E 12482 Peru 18200
- E II *Cattleya schilleriana* Reichb.f. 17079  
E 17079 Brazil - Espirito Santo (region Domingos Martins) 17079
- I I *Cattleya trianae* Linden & Reichb.f.  
I 20922 Colombia
- V II *Cephalanthera cucullata* Boiss. & Heldr. 8000, 20171  
V 20730 Greece - Crete 8000
- R II *Cephalanthera kotschyana* Renz & Taub. 12840  
R 19873 Turkey 12840



The 1997 IUCN Red List of Threatened Plants

*Liliopsida (monocots): Orchidaceae: Cephalanthera*

- E** || *Ceratandra venosa* (Lindl.) Schltr. 20604  
**E** 20604 South Africa - Cape Province 20604
- R** || *Cerastostylis backeri* J.J. Smith 8309  
**R** Indonesia - Java (central) 8309
- R** || *Cerastostylis brevibrachiata* J.J. Smith 8309  
**R** Indonesia - Java (east) 8309
- R** || *Cerastostylis evrardii* Gagnepain 6057  
**R** 20985 Vietnam 6057
- R** || *Cerastostylis pygmaea* Evrard 6057  
**R** Vietnam 6057
- I** || *Cerastostylis thailandica* Seidenf. 19120  
**I** 19120 Thailand (Khao Luang) 19120
- R** || *Changnienia amoena* Chien 17617  
**R** 17617 China - Anhui 11139  
**R** 17617 China - Hubei 11139  
**R** 17617 China - Hunan 11139  
**R** 17617 China - Jiangsu 11139  
**R** 17617 China - Jiangxi 11139  
**R** 17617 China - Shaanxi 11139  
**R** 17617 China - Sichuan 11139  
**R** 17617 China - Zhejiang 11139
- I** || *Chaseella pseudohydra* Summerh. 7764  
**I** Zimbabwe 7764
- E** || *Chaubardiella dalassandroi* Dodson & Dalstroem 19045  
**E** 19045 Ecuador 19045
- I** || *Cheirostylis didfymacantha* Seidenf. 19120  
**I** 19120 Thailand 19120
- R** || *Cheirostylis javanica* J.J. Smith 8309  
**R** Indonesia - Java (east) 8309
- I** || *Cheirostylis thailandica* Seidenf. 19120  
**I** 19120 Thailand 19120
- R** || *Chiloglottis longiclavata* D.L.Jones 20681  
**R** 20681 Australia - Queensland 20681
- R** || *Chiloglottis palachila* D.L.Jones 20681  
**R** 20681 Australia - New South Wales 20681
- I** || *Chiloschista extinatoriformis* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** || *Chiloschista ramifora* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** || *Chiloschista trudelii* Seidenf. 19120  
**I** 19120 Thailand 19120
- I** || *Chiloschista viridiflora* Seidenf. 19120  
**I** 19120 Thailand 19120
- R** || *Chloraea subpandurata* Hauman 16336  
**R** 16336 Argentina 16336  
**R** 20176 Argentina - Buenos Aires 20176  
**R** 20176 Argentina - Jujuy 20176  
**R** 20176 Argentina - Salta 20176
- Ex/E** || *Chloraea venosa* Griseb. 18200  
**Ex/E** 12482 Peru 18200
- V** || *Chondrorhyncha ecuadorensis* Dodson 19045  
**V** 19045 Ecuador 19045
- E** || *Chondrorhyncha endresii* Schltr. 9037  
**E** 9426 Costa Rica 9037
- E** || *Chondrorhyncha hirtzii* Dodson 19045  
**E** 19045 Ecuador 19045
- E** || *Chondrorhyncha suarezii* Dodson 19045  
**E** 19045 Ecuador 19045
- V** || *Chondrorhyncha velastiguii* Dodson 19045  
**V** 19045 Ecuador 19045
- E** || *Chondrorhyncha wercklei* (Schltr.) C. Schweinf. 10012  
**E** 9426 Costa Rica 10012
- V** || *Chrysocynis ecuadorensis* Dodson & Garay 19045  
**V** 19045 Ecuador 19045
- R** || *Chrysoglossum chapaensis* (Gagnepain) Tang & Wang 6057  
**R** Vietnam 6057
- I** || *Chrysoglossum hallbergii* Blatter 11494  
**I** 11494 India - Tamil Nadu (High Wavy Mts, Madura) 11494
- V** || *Chysis limminghei* Linden & Reichb.f. 11933  
**V** 10007 Mexico 11933
- I** || *Cirrhopetalum acutiflorum* Hook.f. 4988  
**I** India - Tamil Nadu (Nilgiri Hills) 4988
- E** || *Cirrhopetalum boninense* Schltr. 8038  
**E** 18128 Japan - Ogasawara-shoto (Chichijima; Hahajima) 8038
- R** || *Cirrhopetalum miniatum* Rolfe 6057  
**R** Vietnam 6057
- V** || *Cischweinfia pusilla* (C. Schweinf.) Dressler & N.H. Williams 9006  
**E** 9426 Costa Rica 9006  
**V** 19577 Panama 9006
- V** || *Cischweinfia rostrata* Dressler & N. Williams 19045  
**V** 19045 Ecuador 19045
- R** || *Cleisostoma montanum* (J.J. Smith) Garay 8309  
**R** Indonesia - Java (central & east Java) 8309
- R** || *Cleistis unifoliata* (C. Schweinf.) Carnevali & I. Ramirez 21285  
**R** 21285 Suriname 21285  
**R** 21285 Venezuela 21285
- V** || *Clowesia dodsoniana* Aguirre 10044  
**V** Mexico - Chiapas 10044  
**V** Mexico - Colima 10044  
**V** Mexico - Guerrero 10044  
**V** Mexico - Jalisco 10044  
**V** Mexico - Michoacan 10044  
**V** Mexico - Nayarit 10044  
**V** Mexico - Oaxaca 10044  
**?** Nicaragua 21233
- V** || *Clowesia glaucoglossa* (Reichb.f.) Dodson 9424  
**V** 16360 Mexico 9424
- V** || *Clowesia rosea* Lindley 19850  
**V** 19850 Mexico 19850
- V** || *Clowesia thylaciochila* (Lemaire) Dodson 9424  
**V** 10007 Mexico 9424  
**?** Mexico Central 21233
- E** || *Cochleanthes anatonna* Dressler 20883, 10747  
**I** 20883 Panama 20883
- V** || *Cochleanthes picta* (Reichb.f.) Garay 10020  
**E** 9426 Costa Rica 10020  
**V** 19577 Panama 10020
- R** || *Coelia guatemalensis* Reichb.f. 11364  
**V** 10359 El Salvador 11364  
**R** 9004 Guatemala 11364  
**R** 11938 Mexico 11938  
**I** 11938 Mexico - Chiapas 11364
- E** || *Coelogyne anceps* Hook.f. 19047  
**E** 19047 Malaysia - Peninsular Malaysia (Perak) 19047
- I** || *Coelogyne angustifolia* Wight  
**I** India - Tamil Nadu (Nilagiri Hills)

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Coelogyne*

4988

- I** **II** *Coelogyne barbata* Griff. 4300  
**I** India - Meghalaya (Khasi hills) 4300  
**I** India - Sikkim 4300
- R** **II** *Coelogyne cristata* Lindley 4300  
**R** 19161 Bhutan 4300  
**I** India - Assam 4300  
**I** India - Meghalaya (Khasi hills) 4300  
**I** India - Sikkim 4300
- I** **II** *Coelogyne flaccida* Lindley 4300  
**I** India - Meghalaya (Khasi & Jaintia hills) 4300
- R** **II** *Coelogyne lawrenceana* Rolfe 6057  
**R** Vietnam 6057
- E** **II** *Coelogyne membranifolia* Carr 19047  
**E** 19047 Malaysia - Peninsular Malaysia (Johor, Pahang) 19047
- V** **II** *Coelogyne mossiae* Rolfe 11494  
**V** 11494 India - Kerala (Idukki) 11494  
**V** 11494 India - Tamil Nadu 11494
- R** **II** *Coelogyne nitida* (Wallich ex Don) Lindley 4300  
**R** 19161 Bhutan 4300  
**I** India - Assam 4300  
**I** India - Meghalaya (Khasi hills) 4300  
**I** India - Sikkim 4300
- I** **II** *Coelogyne palawanense* Ames 13833  
**I** 13833 Philippines (Mt. Capoas) 13833
- I** **II** *Coelogyne prolifera* Lindley 4300  
**I** India - Assam 4300  
**I** India - Meghalaya (Khasi Hills) 4300  
**I** India - Nagaland 4300
- R** **II** *Coelogyne susanae* Cribb & B. Lewis 14794  
**R** 14793 PNG - Bougainville (N. Solomon Is.) 14794  
**R** 14793 Solomon Is. - South 14794
- V** **II** *Coelogyne tiomanensis* M.R. Henderson 19047  
**V** 19047 Malaysia - Peninsular Malaysia (Pulau Tioman) 19047
- Ex/E** **II** *Coelogyne treutleri* Hook.f. 11494  
**Ex/E** 11494 India - Sikkim (Sikkim Himalaya) 11494
- I** **II** *Coelogyne zeylanica* Hook.f. 8021  
**I** 16162 Sri Lanka 8021
- V** **II** *Comparettia speciosa* Reichb. f. 12482  
**V** 19045 Ecuador 19045  
**E** 12482 Peru 12482
- I** **II** *Constantia cipoensis* C. Porto & Brade  
**I** 14664 Brazil - Minas Gerais (Serra do Cipó) 14664
- I** **II** *Corallorrhiza ehrenbergii* Reichb.f. 9432  
**I** Mexico 9423  
**I** Mexico - Nuevo Leon 9423  
**I** Mexico - Puebla 9423  
**I** Mexico - Veracruz 9423
- I** **II** *Corallorrhiza williamsii* Correll 9114  
**I** 10359 El Salvador 10359  
**I** 9114 Mexico 9114
- R** **II** *Corybas abellianus* Dockr. 20681  
**R** 20681 Australia - Queensland 20681
- R** **II** *Corybas acutus* Dransf. & Comber 8309  
**R** Indonesia - Java (Dieng Plateau, central Java) 8309
- E** **II** *Corybas bancanus* (J.J. Smith) Schltr. 10141  
**E** 19047 Indonesia - Sumatra (Bangka) 10141
- V** **II** *Corybas dentatus* D.L.Jones 20681  
**V** 20681 Australia - South Australia 20681
- R** **II** *Corybas gemmatus* Cribb & B. Lewis 14794  
**R** 14793 Solomon Is. - South (Kolombangara & Rendova) 14794
- R** **II** *Corybas kinabaluensis* Carr 10141  
**R** 14068 Malaysia - Sabah (Mt Kinabalu) 10141
- V** **II** *Corybas limpidus* D.L.Jones 20681  
**V** 20681 Australia - Western Australia 20681
- R** **II** *Corybas longipedunculatus* Van Royen 14794  
**R** 14793 PNG - Bougainville (N. Solomon Is.) 14794  
**R** 14793 Solomon Is. - South 14794
- V** **II** *Corybas montanus* D.L.Jones 20681  
**V** 20681 Australia - Queensland 20681
- R** **II** *Corybas piliferus* Dransf. 10141  
**R** 14068 Malaysia - Sabah 10141
- R** **II** *Corybas praetermissus* Dransf. & Comber 8309  
**R** Indonesia - Java (West Java) 8309
- R** **II** *Corybas serpentinus* Dransf. 10141  
**R** 14068 Malaysia - Sabah (Bukit Silam) 10141
- I** **II** *Corybas solomonensis* Van Royen 14794  
**I** 14793 PNG - Bougainville (N. Solomon Is.) 14794
- R** **II** *Corybas taiwanensis* T.P. Lin & S.Y. Lu 10141  
**R** 20511 Taiwan 10141
- E** **II** *Corybas unguiculatus* (R. Br.) Reichb.f.  
**E** New Zealand - North Is.
- I** **II** *Corybas vinosus* (J.J. Smith) Schltr. 8309  
**I** Indonesia - Java (West Java) 8309
- I** **II** *Corycium bifidum* Sond. 20604  
**I** 20604 South Africa - Cape Province 20604
- V** **II** *Corycium ingeanum* E.G.H.Oliv. 20604  
**V** 20604 South Africa - Cape Province 20604
- V** **II** *Corycium microglossum* Lindl. 20604  
**V** 20604 South Africa - Cape Province 20604
- Ex** **II** *Corycium vestitum* Sweet 20604, 3774  
**Ex** 20604 South Africa - Cape Province 20604
- I** **II** *Corymborkis brevistylis* (Hook.f.) Holttum  
**I** Malaysia - Peninsular Malaysia (Perak)
- E** **II** *Corymborkis subdensa* (Schltr.) Masam. 8038  
**E** 19134 Japan - Ogasawara-shoto 8038
- R** **II** *Cranichis galatea* Dod 15638  
**R** 15638 Haiti (massif de la Hotte) 15638
- V** **II** *Cranichis lichenophila* D. Weber 11117  
**V** 11117 Ecuador - Galapagos (V. Alcedo & Cerro Azul) 11117
- E** **II** *Cranichis ricartii* Ackerman 20883, 19002  
**I** 20883 Puerto Rico 20883
- R** **II** *Cryptocentrum calcaratum* Schltr. 9037  
**R** 9426 Costa Rica 9037  
**R** 19577 Panama 10012
- R** **II** *Cryptochilus petelotii* Gagnepain 6057  
**R** Vietnam 6057
- R** **II** *Cryptostylis alismifolia* F. Muell. 8006  
**R** U.S. - American Samoa 8006  
**R** Western Samoa 8006
- V** **II** *Cryptostylis hunteriana* Nicholls 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- R** **II** *Cryptostylis javanica* J.J. Smith 8309

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Cryptostylis*

- R Indonesia - Java (West Java; East Java)  
8309
- V II *Cuitlauzina pendula* Llave & Lex. 9706  
V 16360 Mexico 9706
- R II *Cyanicula ixoides* (Lindley) Hopper & A.P.Brown ms. ssp. *candida* Hopper & A.P.Brown ms. 20681  
R 20681 Australia - Western Australia 20681
- R II *Cyanicula ixoides* (Lindley) Hopper & A.P.Brown ms. ssp. *ixoides* 20681  
R 20681 Australia - Western Australia 20681
- E II *Cynoches suarezii* Dodson 19045  
E 19045 Ecuador 19045
- R II *Cymbidium banaense* Gagnepain  
R Vietnam
- R II *Cymbidium erythrostylum* Rolfe 15919  
R Vietnam
- R II *Cymbidium evrardii* Guillaumin  
R Vietnam
- E II *Cymbidium hartinahianum* Comber & Nasution 15919  
E Indonesia - Sumatra 15919
- V II *Cymbidium rectum* Ridley 14068  
V 19215 Malaysia - Sabah 14068
- R II *Cymbidium schroederi* Rolfe 15919  
R Vietnam
- E II *Cymbidium whiteae* King & Pantl. 11494  
E 11494 India - Sikkim 11494
- R II *Cynorkis anisoloba* Summerh. 7875  
R Zimbabwe 7875
- I II *Cynorkis compacta* (Rehb.f.) Rolfe 20604  
I 20604 South Africa - Natal 20604
- R II *Cynorkis usambarae* Rolfe 7959  
R 5926 Tanzania (Usambara Mts.) 7959
- R II *Cypripedium arietinum* Ait. f. 20850  
I 20850 Canada - Manitoba 20850  
I 20850 Canada - Nova Scotia 20850  
R 20850 Canada - Ontario 20850  
V 20850 Canada - Quebec 20850  
E 20850 Canada - Saskatchewan 20850  
Ex/E 20850 U.S. - Connecticut 20850  
E 20850 U.S. - Maine 20850  
E 20850 U.S. - Massachusetts 20850  
R 20850 U.S. - Michigan 20850  
E 20850 U.S. - Minnesota 20850  
E 20850 U.S. - New Hampshire 20850  
V 20850 U.S. - New York 20850  
V 20850 U.S. - Vermont 20850  
E 20850 U.S. - Wisconsin 20850
- R II *Cypripedium dicksonianum* Hagsater 11315  
R 19850 Mexico - Chiapas 11315
- V II *Cypripedium guttatum* Sw. var. *yatabeanum* (Makino) Pfitzer 11164  
V 11164 Japan 11164
- I II *Cypripedium irapeanum* Llave & Lex. 9004  
E 9443 Guatemala 9004  
I 19824 Honduras 19824  
V 11119 Mexico 9004  
I 11119 Mexico - Chiapas 9004  
I 19824 Mexico - Durango 19824  
I 11119 Mexico - Guerrero 9004  
I 11119 Mexico - Jalisco 9004  
I 19824 Mexico - Michoacan 19824  
I 19824 Mexico - Morelos 19824  
I 19824 Mexico - Nayarit 19824  
I 19824 Mexico - Oaxaca 19824
- I 11119 Mexico - Puebla 9004  
I 19824 Mexico - Queretaro 19824  
I 11119 Mexico - Sinaloa 9004  
I 11119 Mexico - Tabasco 9004  
I 11119 Mexico - Veracruz 9004
- R II *Cypripedium kentuckiense* C.F. Reed 20850, 11630  
E 20850 U.S. - Alabama 20850  
R 20850 U.S. - Arkansas 20850  
R 20850 U.S. - Kentucky 20850  
E 20850 U.S. - Louisiana 20850  
I 20850 U.S. - Mississippi 20850  
E 20850 U.S. - Oklahoma 20850  
E 20850 U.S. - Tennessee 20850  
E 20850 U.S. - Texas 20850
- V II *Cypripedium macranthum* Sw. var. *hoteiatsumorianum* Sadovsky 11164  
V 11164 Japan 11164
- E II *Cypripedium macranthum* Sw. var. *rebunense* (Kudo) Miyabe & Kudo 11164  
E 11164 Japan 11164
- V II *Cypripedium planipetalum* (Fern.) Morris & Eames 20850  
I 20850 Canada - Newfoundland 20850  
V 20850 Canada - Quebec 20850  
I 20850 U.S. - Michigan 20850  
I 20850 U.S. - North Dakota 20850
- R II *Cyrtorchis arcuata* (Lindley) Schltr. ssp. *leonensis* Summerh. 7926  
R Sierra Leone 7926
- E II *Dactylorhiza chuhensis* Renz & Taub. 12840  
E 12840 Turkey 12840
- V II *Dactylorhiza fuchsii* (Druce) Soó ssp. *sooana* (Borsos) Borsos 8000, 20171  
V 19751 Poland 19751  
V 19321 Slovakia 19321
- R II *Dactylorhiza kalopissii* Erich Nelson  
I 19425 Bulgaria 19425  
R Greece
- R II *Dactylorhiza nieschalkiorum* H. Baumann & Kunk. 12840  
R 19873 Turkey 12840
- R II *Dactylorhiza osmanica* (Kl.) Soo var. *anatolica* (Nelson) Renz & Taub. 12840  
R 12840 Turkey 12840
- R II *Deiregyne ramentacea* (Lindley) Schltr. 11338  
R 11933 Mexico 11338
- R II *Dendrobium aegle* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia (Taiping Hills; Batu Pahat) 19047  
R 14068 Malaysia - Sarawak 14068
- R II *Dendrobium alexandrae* Schltr. 9326  
R Papua New Guinea (Morobe) 9326
- V II *Dendrobium angulatum* Lindl. 19047  
V 19047 Indonesia - Java 19047
- V II *Dendrobium angustifolium* Lindl. 19047  
V 19047 Indonesia - Java 19047
- R II *Dendrobium arachnites* Reichb.f.  
R 13883 India 13883  
V 13883 Myanmar 13883
- Ex/E II *Dendrobium aurantiacum* Reichb. f. 13883  
Ex/E 13883 Bangladesh (Sylhet) 13883  
Ex/E 13883 Bhutan 13883
- V II *Dendrobium aureilobum* J.J. Smith 19047

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Dendrobium*

- V 19047 Indonesia - Java 19047
- V **II** *Dendrobium bigibbum* Lindley 20681, 8745  
V 20681 Australia - Queensland 8745
- I **II** *Dendrobium brachypus* (Endl.) Reichb.f. 11649  
I 11649 Australia - Norfolk Is. 11649
- I **II** *Dendrobium brevementum* Seidenf. 19120  
I 19120 Vietnam 19120
- I **II** *Dendrobium campbellii* Cribb & B. Lewis 14794  
I 14793 Solomon Is. - South (Rendova and Makira) 14794
- V **II** *Dendrobium capra* J.J. Smith 8309  
V 19047 Indonesia - Java (east) 8309
- V **II** *Dendrobium carronii* Lavarack & Cribb 20681  
V 20681 Australia - Queensland 20681
- R **II** *Dendrobium ciltatitabellum* Seidenf. 19120  
R 19120 Thailand 19120
- V **II** *Dendrobium clavator* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia (Johore, Perak) 19047
- I **I** *Dendrobium cruentum* Reichb.f.  
I 20922 Thailand (Setul)
- R **II** *Dendrobium dalatense* Gagnepain 6057  
R Vietnam 6057
- I **II** *Dendrobium deltatatum* Seidenf. 19120  
I 19120 Thailand 19120
- I **II** *Dendrobium erostelle* Seidenf. 19120  
I 19120 Thailand 19120
- I **II** *Dendrobium eserre* Seidenf. 19120  
I 19120 Thailand 19120
- R **II** *Dendrobium evaginatatum* Gagnepain 6057  
R Vietnam 6057
- V **II** *Dendrobium fellowsii* F.Muell. 20681  
V 20681 Australia - Queensland 20681
- E **II** *Dendrobium flavidulum* Ridley ex Hook.f. 19470  
E Malaysia - Peninsular Malaysia (Penang; Kelantan; S. Johor)  
E Singapore
- E **II** *Dendrobium flexile* Ridley 19470  
E Malaysia - Peninsular Malaysia (Johor)  
Ex 20099 Singapore 20099
- I **II** *Dendrobium gamblei* King & Pantl.  
I India - Uttar Pradesh (Dehra Dun)
- I **II** *Dendrobium garrettii* Seidenf. 19120  
I 19120 Thailand 19120
- R **II** *Dendrobium gnomus* Ames 14794  
R 14793 Solomon Is. - South 14794
- R **II** *Dendrobium greenianum* Cribb & B. Lewis 14795  
R 14795 Vanuatu (Pentecost) 14795
- R **II** *Dendrobium jacobsonii* J.J. Smith 8309  
R Indonesia - Java (east) 8309
- V **II** *Dendrobium johannis* H.G.Reichb. 20681, 8745  
V 20681 Australia - Queensland 20681
- R **II** *Dendrobium kuhlii* (Blume) Lindley 8309  
R Indonesia - Java (West Java) 8309
- I **II** *Dendrobium lagarum* Seidenf. 19120  
I 19120 Thailand 19120
- R **II** *Dendrobium langbianense* Gagnepain 6057  
R Vietnam 6057
- V **II** *Dendrobium lithocola* D.L.Jones & M.A.Clements 20681
- V 20681 Australia - Queensland 20681
- R **II** *Dendrobium lowii* Lindley  
R 14068 Malaysia - Sarawak 14068
- I **II** *Dendrobium lumatum* Lindl 13833  
I 13833 Philippines (Palawan) 13833
- I **II** *Dendrobium maccarthiae* Thwaites 8021  
I 16162 Sri Lanka (Kuruwita Kanda, Ratnapura) 8021
- R **II** *Dendrobium macropus* (Endl.) Reichb.f. ex Lindley var. *howeanum* (Maiden) P. Green 10604  
R 10604 Australia - NSW - Lord Howe Is. 10604
- R **II** *Dendrobium macropus* (Endl.) Reichb.f. ex Lindley ssp. *macropus* 10604  
R 19108 Australia - Norfolk Is. 10604
- R **II** *Dendrobium malbrownii* Dockr. 20681, 8745  
R 20681 Australia - Queensland 8745
- I **II** *Dendrobium microbulbon* A. Rich.  
I India - Gujarat  
I India - Maharashtra  
I India - Tamil Nadu
- R **II** *Dendrobium mooreanum* Lindley 14795  
R Vanuatu 14795
- V **II** *Dendrobium moorei* F. Muell.  
V 14226 Australia - NSW - Lord Howe Is. 14226
- I **II** *Dendrobium mucronatum* Seidenf. 19120  
I 19120 Thailand 19120
- E **II** *Dendrobium munificum* (Finet) Halle 20893  
E 20893 New Caledonia 20893
- V **II** *Dendrobium muricatum* Finet 20893  
V 20893 New Caledonia 20893
- I **II** *Dendrobium normale* Falc.  
I India - Uttar Pradesh
- R **II** *Dendrobium paniferum* J.J. Smith 8309  
R Indonesia - Java (West & East Java) 8309
- E **II** *Dendrobium pauciflorum* King & Pantl.  
E India - Sikkim  
E India - West Bengal
- I **II** *Dendrobium pensile* Ridley 9272  
E Malaysia - Peninsular Malaysia (Johor, Pahang) 9272  
Ex 20099 Singapore 20099  
I 14736 India - Nicobar Is. (Great Nicobar) 5231
- V **II** *Dendrobium phalaenopsis* Fitzg. 20681  
V 20681 Australia - Queensland 20681
- I **II** *Dendrobium rechingerorum* Schltr. 14794  
I 14793 PNG - Bougainville (N.Solomon Is.) 14794  
I 14793 Solomon Is. - South 14794
- V **II** *Dendrobium rennellii* Cribb 14794  
V 14793 Solomon Is. - South (Rennell and Bellona) 14794
- R **II** *Dendrobium ruginosum* Ames 14794  
R 14793 PNG - Bougainville (N.Solomon Is.) 14794  
R 14793 Solomon Is. - South 14794
- R **II** *Dendrobium salomonense* Schltr. 14794  
R 14793 PNG - Bougainville (N.Solomon Is.) 14794  
R 14793 Solomon Is. - South 14794
- I **II** *Dendrobium sancristobalense* Cribb 14794

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Dendrobium*

- I 14793 Solomon Is. - South (San Cristobal)  
14794
- R II *Dendrobium schneiderae* Bailey 20681, 8745  
I 20681 Australia - New South Wales 8745  
I 20681 Australia - Queensland 8745
- V II *Dendrobium spectatissimum* Reichb.f. 10260  
V 14068 Malaysia - Sabah (Mt Kinabalu) 10379
- E II *Dendrobium tenuicaule* Hk. f. 7771  
E 14782 India - Andaman Is. (middle Andamans)  
7771
- R II *Dendrobium toressae* (Bailey) Dockr. 20681, 8745  
R 20681 Australia - Queensland 8745
- V II *Dendrobium tozerensis* Lavarack 20681, 8745  
V 20681 Australia - Queensland 8745
- I II *Dendrobium umbonatum* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Dendrobium vagans* Schltr. 7925  
R Western Samoa (Savaii) 7925
- R II *Dendrobium vanikorensis* Ames 14794  
R 14793 PNG - Bougainville (N.Solomon Is.) 14794  
R 14793 Solomon Is. - South 14794
- R II *Dendrobium wassellii* S.T.Blake 20681, 8745  
R 20681 Australia - Queensland 8745
- I II *Dendrobium ypsilon* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Dendrochilum abbreviatum* J.J. Smith 8309  
R Indonesia - Java 8309
- E II *Dendrochilum crassum* Ridley 19047  
E 19047 Malaysia - Peninsular Malaysia 19047
- R II *Dendrochilum edentulum* Blume 8309  
R Indonesia - Java (West Java; Central Java)  
8309
- I II *Dendrochilum palawanense* Ames 13833  
I 13833 Philippines (Palawan) 13833
- I II *Dendrochilum viride* Seidenf. 19120  
I 19120 Thailand 19120
- E II *Dendrophylax barrettiae* F. & R. 20883, 19890  
V 19890 Jamaica (Clarendon, St. Ann) 20883
- V II *Dendrophylax fawcettii* Rolfe 19712  
V 19434 Cayman Is. (Grand Cayman) 19434
- R II *Dendrophylax funalis* (Sw.) Benth. 20883  
R 20883 Jamaica 20883
- V II *Diaphananthe bueae* (Schltr.) Schltr.  
V Cameroon (Buea)
- R II *Diaphananthe millarii* (Bolus) H.P.Linder 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R II *Diaphananthe suborbicularis* Summerh. 7926  
R Ghana (Kpandu/Wurobong) 7926
- E II *Dichaea riopalenquensis* Dodson 19045  
E 19045 Ecuador 19045
- E II *Didickea cunninghamii* King & Prain ex King & Pantl. 11494  
E 11494 India - Sikkim (Lachen Valley) 11494  
E 11494 India - Uttar Pradesh (Garhwal Himalaya)  
11494
- V II *Didymoplexis verrucosa* J.L.Stewart & Hennessy 20604  
V 20604 South Africa - Natal 20604
- I II *Diglyphosa macrophylla* King & Pantl.  
I India - Sikkim
- R II *Dignathe pygmaeus* Lindley 10047  
R 11933 Mexico - Hidalgo 10047
- V II *Dilomilis bissei* H. Dietrich 11840  
V 19105 Cuba (Guantanamo) 11840
- E II *Diplandrorchis sinica* S.C. Chen 17617  
E 17617 China - Liaoning (Hengreng) 11139
- R II *Diplocaulobium magnilabre* Cribb & B. Lewis 14794  
R 14793 PNG - Bougainville (N.Solomon Is.)  
14794  
R 14793 Solomon Is. - South 14794
- I II *Diplomeris pulchella* D. Don 11494  
V 11494 India - Arunachal Pradesh (Namdapha FoR, Tirap Dist.) 11494  
I 11494 India - Meghalaya (Khasi & Garo hills)  
11494
- R II *Dipodium ensifolium* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- R II *Dipodium pulchellum* D.L.Jones & M.A.Clements 20681  
R 20681 Australia - Queensland 20681
- V II *Dipteranthus estradae* Dodson 19045, 16963  
V 19045 Ecuador 19045
- V II *Disa arida* Vlok 20604  
V 20604 South Africa - Cape Province 20604
- R II *Disa bodkinii* Bolus 20604, 2327  
R 20604 South Africa - Cape Province 20604
- R II *Disa brevipedata* H.P.Linder 20604  
R 20604 South Africa - Cape Province 20604
- R II *Disa galpinii* Rolfe 20604  
R 20604 South Africa - Cape Province (Transkei)  
20604  
R 20604 South Africa - Natal 20604
- E II *Disa hallackii* Rolfe 20803  
E 20604 South Africa - Cape Province 20604
- I II *Disa intermedia* H.P.Linder 20604, 18023  
R 20604 Swaziland 20604
- R II *Disa longifolia* Lindl. 20604  
R 20604 South Africa - Cape Province 20604
- I II *Disa longilabris* Schltr. 5926  
I 5926 Tanzania 5926
- R II *Disa marlothii* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R II *Disa minor* (Sond.) Rchb.f. 20604  
R 20604 South Africa - Cape Province 20604
- I II *Disa montana* Sond. 20604  
I 20604 South Africa - Cape Province 20604
- R II *Disa neglecta* Sond. 20604  
R 20604 South Africa - Cape Province 20604
- R II *Disa oreophila* Bolus ssp. *erecta*  
H.P.Linder 20604  
R 20604 Lesotho 20604  
R 20604 South Africa - Cape Province 20604  
R 20604 South Africa - Natal 20604
- R II *Disa ovalifolia* Sond. 20604  
R 20604 South Africa - Cape Province 20604
- I II *Disa rungweensis* Schltr. ssp. *rungweensis* 5926  
I 5926 Tanzania 5926
- R II *Disa salteri* G.J.Lewis 20604  
R 20604 South Africa - Cape Province 20604
- E II *Disa scullyi* Bolus 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Disa*

- E 20604 South Africa - Cape Province 20604  
E 20604 South Africa - Natal 20604
- R || *Disa subtenuicornis* H.P.Linder 20604  
R 20604 South Africa - Cape Province 20604
- R || *Disa tenella* (L.f.) Sw. ssp. *tenella* 20604  
R 20604 South Africa - Cape Province 20604
- R || *Disa tenuis* Lindl. 20803  
R 20604 South Africa - Cape Province 20604
- R || *Disa walteri* Schltr. 7959  
R 5926 Tanzania (Mbeya Mt.) 7959
- I || *Disperis anthoceros* Rehb. f. var. *grandiflora*  
Verdc. 5926  
I 5926 Tanzania 5926
- R || *Disperis aphylla* Kraenzlin ssp. *bifolia*  
Verdc. 7959  
R 5926 Tanzania (Lushoto) 7959
- R || *Disperis bodkinii* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- R || *Disperis bolusiana* Schltr. ex Bolus ssp. *macroscorys*  
(Rolfe) J.C.Manning 20604  
R 20604 South Africa - Cape Province 20604
- R || *Disperis decipiens* Verdc. 5926  
R 5926 Tanzania 5926
- R || *Disperis egregia* Summerh. 7959  
R 5926 Tanzania (Usambara Mts.) 7959
- R || *Disperis javanica* J.J. Smith 8309  
R Indonesia - Java (central & east Java) 8309
- V || *Disperis kamerunensis* Schltr.  
V Cameroon (Cameroon mt & Musake)
- I || *Disperis monophylla* Blatter ex C. Fischer  
I India - Tamil Nadu (High Wavy Mtns, Madurai) 4988
- I || *Disperis parvifolia* Schltr. 5926  
I 5926 Tanzania 5926
- R || *Disperis purpurata* Rehb.f. ssp. *palescens*  
Bruyns 20604  
R 20604 South Africa - Cape Province 20604
- V || *Diuris aequalis* H.G.Reichb. 20681  
V 20681 Australia - New South Wales 20681
- Ex || *Diuris bracteata* Fitzg. 20681  
Ex 20681 Australia - New South Wales 20681
- R || *Diuris brevifolia* R.Rogers 20681  
R 20681 Australia - South Australia 20681
- V || *Diuris drummondii* Lindley 20681  
V 20681 Australia - Western Australia 20681
- E || *Diuris fragrantissima* D.L.Jones & M.A.Clements 20681  
E 20681 Australia - Victoria 20681
- E || *Diuris micrantha* D.L.Jones 20681  
E 20681 Australia - Western Australia 20681
- V || *Diuris ochroma* D.L.Jones 20681  
V 20681 Australia - Victoria 20681
- R || *Diuris oporina* D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- E || *Diuris pedunculata* R.Br. 20681  
E 20681 Australia - New South Wales 20681
- V || *Diuris praecox* D.L.Jones 20681  
V 20681 Australia - New South Wales 20681
- V || *Diuris purdiei* Diels 20681  
V 20681 Australia - Western Australia 20681
- V 20681 Australia - Western Australia 20681
- R || *Diuris recurva* D.L.Jones 20681  
R 20681 Australia - Western Australia 20681
- V || *Diuris venosa* Rupp 20681  
V 20681 Australia - New South Wales 20681
- R || *Domingoa kienastii* (Reichb.f.) Dressler 10007  
R 10007 Mexico 10007
- E || *Dracula dalessandroi* Luer 21294  
E 19045 Ecuador 19045
- R || *Dracula decussata* Luer & Escobar 21294  
R 21294 Colombia 21294
- E || *Dracula deltoidea* (Luer) Luer 21294  
E 19045 Ecuador 19045
- E || *Dracula dodsonii* (Luer) Luer 21294  
E 19045 Ecuador 19045
- E || *Dracula fuligifera* Luer 21294  
E 19045 Ecuador 19045
- R || *Dracula gorgonella* Luer & Escobar 21294  
R 21294 Colombia 21294
- R || *Dracula hawleyi* Luer 21294  
R 21294 Ecuador 21294
- E || *Dracula marsupialis* Luer & Escobar 21294  
E 19045 Ecuador 19045
- R || *Dracula minas* Luer & Escobar 21294  
R 21294 Colombia 21294
- R || *Dracula nycterina* (Reichb.f.) Luer 21294  
R 21294 Colombia 21294
- R || *Dracula octavioi* Luer & Escobar 21294  
R 21294 Colombia 21294
- R || *Dracula ortiziana* Luer & Escobar 21294  
R 21294 Colombia 21294
- E || *Dracula polyphemus* (Luer) Luer 19045, 21294  
E 19045 Ecuador 19045
- E || *Dracula portilloae* Luer & Andreetta 19045, 21294  
E 19045 Ecuador 19045
- V || *Dracula rezekiana* Luer & Hawley 19045  
V 19045 Ecuador 19045
- R || *Dracula ubangina* Luer & Andreetta 21294  
R 21294 Ecuador 21294
- V || *Dracula vampira* (Luer) Luer 19045, 21294  
V 19045 Ecuador 19045
- V || *Dracula venosa* (Rolfe) Luer 19045, 21294  
V 19045 Ecuador 19045
- V || *Dracula wallisii* (Rchb.f.) Luer 19045, 21294  
V 21294 Colombia 21294
- V || *Dracula woolwardiae* (Kränzl.) Luer 19045, 21294  
V 19045 Ecuador 19045
- V || *Drakaea concolor* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Drakaea confluens* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Drakaea elastica* Lindley 20681  
V 20681 Australia - Western Australia 20681
- E || *Drakaea isolata* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V || *Drakaea micrantha* Hopper & A.P.Brown ms. 20681  
V 20681 Australia - Western Australia 20681
- V || *Drakonorchis barbarella* Hopper & A.P.Brown ms. 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Drakonorchis*

- V 20681 Australia - Western Australia 20681
- E** || *Drakonorchis drakeoides* Hopper & A.P.Brown ms. 20681  
E 20681 Australia - Western Australia 20681
- V** || *Dryadella hirtzii* Luer 19045  
V 19045 Ecuador 19045
- V** || *Eleorchis japonica* (A.Gray) F. Maek. var. *conformis* (F. Maek.) F. Maek. 11164  
V 11164 Japan 11164
- R** || *Elleanthus alberti* Schltr. 9037  
R 9426 Costa Rica 9037  
E/V 11967 Nicaragua 9426
- V** || *Elleanthus ecuadorensis* Garay 19045  
V 19045 Ecuador 19045
- E** || *Elleanthus hirsutis* Barringer 20883  
I 20883 Peru 20883
- V** || *Elleanthus isochiloides* Lojtnant 19045, 16963  
V 19045 Ecuador 19045
- E** || *Elleanthus steyermarkii* Barringer 20883  
I 20883 Ecuador 20883
- V** || *Elleanthus ventricosus* Schltr. 19045  
V 19045 Ecuador 19045
- I** || *Embreea rodigasiana* (Claes. ex Cogn.) Dodson 16963  
I Colombia 16963  
V Ecuador 16963
- V** || *Encyclia adenocaula* (Llave & Lex.) Schltr. 10007  
V 16360 Mexico 10007
- I** || *Encyclia citrina* (Llave & Lex.) Dressler 9019  
I 19848 Mexico 9019  
V 9114 Mexico - Oaxaca 9019  
V 9114 Mexico - Veracruz 9019
- V** || *Encyclia cochleata* (Ames) Dressler var. *triandra* (Ames) Dressler 20850  
V 20850 U.S. - Florida 20850
- R** || *Encyclia cretacea* Dressler & Pollard 11348  
R 11933 Mexico - Oaxaca 11348
- R** || *Encyclia favoris* (Reichb.f.) Soto Arenas 11933  
R 11933 Mexico 11933
- V** || *Encyclia flabellata* (Lindley) Thurston & Thurston 18110  
V 18110 Mexico - Veracruz 18110
- R** || *Encyclia ghiesbreghtiana* (A. Rich. & Galeotti) Dressler 10011  
R 10011 Mexico 10011
- R** || *Encyclia hastata* (Lindley) Dressler & Pollard 11938  
R 11938 Mexico 11938
- R** || *Encyclia inaguensis* Nash ex Britton & Millsp. 3119  
R 3119 Bahamas (Great & Little Inagua) 8766  
R 3119 Turks & Caicos Is. 8766
- R** || *Encyclia kienastii* (Reichb.f.) Dressler & Pollard 9019  
R 9114 Mexico - Oaxaca 9019
- R** || *Encyclia lorata* Dressler & Pollard 11938  
R 11938 Mexico 11938
- R** || *Encyclia magnispatha* (Ames, Hubb., & Schweinf.) Dressler 10007  
R 10007 Mexico 10007
- V** || *Encyclia mariae* (Ames) Hoehne 10007  
V 16360 Mexico 10007
- R** || *Encyclia oestlundii* (Ames, Hubb., Schweinf.) Hágsater & Sterm. 11332
- R** 11938 Mexico 9423  
I 11938 Mexico - Guerrero 11332  
I 11938 Mexico - Mexico State 11332
- V** || *Encyclia pastoris* (Llave & Lex.) Schltr. 11345  
V 11345 Mexico 11345
- R** || *Encyclia pollardiana* (Withner) Dressler & Pollard 11362  
R 11933 Mexico 11362  
I 11933 Mexico - Jalisco 11362  
I 11933 Mexico - Michoacan 11362
- V** || *Encyclia pringlei* (Rolfe) Schltr. 10007  
V 10007 Mexico 10007
- V** || *Encyclia sima* Dressler 21264  
V 21264 Panama 21264
- V** || *Encyclia sintenisii* (Reichenb. f.) Britt. 20883  
I 20883 Cuba 20883  
? Hispaniola 8058  
I 20883 Jamaica 20883  
I 20883 Puerto Rico 20883  
? 19002 Mexico 19002  
? 19002 Country Unknown 19002
- V** || *Encyclia subulatifolia* (A. Rich. & Galeotti) Dressler 10007  
V 10007 Mexico 10007
- V** || *Encyclia tenuissima* (Ames, Hubb., & Schweinf.) Dressler 10007  
V 10007 Mexico 10007
- R** || *Ephippianthus sawadanus* (F. Maek.) Ohwi 11164  
R 11164 Japan 11164
- E** || *Epiblema grandiflorum* R.Br. var. *cyanea* K.Dixon ms. 20681  
E 20681 Australia - Western Australia 20681
- V** || *Epidendrum allenii* L.O. Wms. 20883, 9006  
V 20883 Panama 20883  
V 19045 Ecuador 19045
- V** || *Epidendrum alticola* Ames & Correll 9004  
E 9443 Guatemala 9004  
V 19850 Mexico 11279
- E** || *Epidendrum angustilobum* F. & R. 20883  
E 20883 Jamaica 20883
- V** || *Epidendrum atacazoicum* Schltr. 19045  
V 19045 Ecuador 19045
- I** || *Epidendrum augustilobum* F. & R. 19890  
I 19890 Jamaica (St. Andrew) 19890
- V** || *Epidendrum batesii* Dodson 19045  
V 19045 Ecuador 19045
- E** || *Epidendrum bisulcatum* Ames 20883, 9006  
I 20883 Panama 20883
- V** || *Epidendrum cirrhochilum* Lehm & Krzl. 19045  
V 19045 Ecuador 19045
- R** || *Epidendrum dentilobum* Ames, Hubb., & C. Schweinf. 9006  
R 10020 Panama 9006
- V** || *Epidendrum diothoneoides* Schltr. 19045  
V 19045 Ecuador 19045
- I** || *Epidendrum discoidale* Lindl. 10199  
I Dominica 10199
- R** || *Epidendrum dorsocarinatum* Hágsater 11319  
R 11933 Mexico - Mexico State 11319
- R** || *Epidendrum dressleri* Hágsater 11279  
R 19850 Mexico - Veracruz 11279

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Epidendrum*

- V II *Epidendrum echinatum* Lojnant 19045  
V 19045 Ecuador 19045
- V II *Epidendrum ellipsophyllum* L.O. Wms. 20883, 9006  
V 16317 Panama 20883
- R II *Epidendrum examinis* Rosillo 9706  
R 11933 Mexico - Jalisco 21204
- R II *Epidendrum fimbriatum* Kunth 19045  
V 12379 Bolivia 12379  
V 19045 Ecuador 19045  
R 18200 Peru 18200
- R II *Epidendrum gasteriferum* Scheeren 10016  
R 10007 Mexico - Oaxaca 10016
- V II *Epidendrum gentryi* Dodson vel aff. 19045  
V 19045 Ecuador 19045
- V II *Epidendrum gonzalez-tamayoi* Hágsater 20025  
V 20025 Mexico - Guerrero 20025  
V 20025 Mexico - Jalisco 20025  
V 20025 Mexico - Nayarit 20025  
V 20025 Mexico - Oaxaca 20025
- Ex II *Epidendrum ilense* Dodson 19045  
Ex 19045 Ecuador 19045
- V II *Epidendrum insulanum* Schltr. 9037  
V 9426 Costa Rica 9037
- E II *Epidendrum kingsii* C.D. Adams 19712  
E 19434 Cayman Is. 19434
- R II *Epidendrum lacertinum* Lindley 9114  
R 9004 Guatemala 9004  
R 11938 Mexico 9114
- V II *Epidendrum lacerum* Lindl. 20883, 15106  
I 20883 Cuba 20883  
20883 Puerto Rico 20883
- R II *Epidendrum litense* Dodson & Hágsater 20025  
R 19045 Ecuador 19045
- V II *Epidendrum lueri* Dodson & Hágsater 19045  
V 19045 Ecuador 19045
- R II *Epidendrum marmoratum* A. Rich. & Galeotti 9423  
R 10007 Mexico 9423
- R II *Epidendrum matudae* L.O. Williams 9099  
R 9114 Mexico - Guerrero 9099  
R 9114 Mexico - Morelos 9099
- E II *Epidendrum medusae* (Rchb. f.) Seib. 19045  
E 19045 Ecuador 19045
- R II *Epidendrum miserum* Lindley 9423  
R 9423 Mexico 9423
- V II *Epidendrum morgani* Dodson & Garay 19045  
V 19045 Ecuador 19045
- V II *Epidendrum mutelianum* Cogn. 5710  
V 5710 Guadeloupe 5710
- V II *Epidendrum nanopsis* Dodson & Hágsater 19045  
V 19045 Ecuador 19045
- R II *Epidendrum nutans* Sw. 20883  
R 20883 Jamaica 20883
- V II *Epidendrum parvilabre* Lindl. 19045, 21296  
V 19045 Ecuador 19045
- E II *Epidendrum parvilobum* F. & R. 20883, 19890  
E 19890 Jamaica (Hanover, Dolphin Head) 20883
- V II *Epidendrum pichinchae* Schltr. 19045  
V 19045 Ecuador 19045
- V II *Epidendrum platytilum* Schltr. 19045  
V 19045 Ecuador 19045
- R II *Epidendrum pollardii* Hágsater 20025  
R 20025 Mexico - Guerrero 20025  
R 20025 Mexico - Oaxaca 20025
- E II *Epidendrum probiflorum* Schltr. 20883, 9006  
I 20883 Panama 20883
- I II *Epidendrum pseudonocturnum* Hágsater & Dodson 20025  
I 20025 Ecuador 20025
- V II *Epidendrum quisayanum* Schtr. 19045  
V 19045 Ecuador 19045
- R II *Epidendrum radioferens* (Ames, Hubb., & Schweinf.) Hágsater 11933  
R 9004 Guatemala 11933  
V 11933 Mexico 11933
- V II *Epidendrum renilabium* Schltr. 19045  
V 19045 Ecuador 19045
- E II *Epidendrum rigidum* L.O. Wms. var. *angustisegmentum* L.O. Williams 20883, 9006  
I 20883 Panama 20883
- V II *Epidendrum rousseauae* Schltr. 20883  
V 20883 Panama 20883
- R II *Epidendrum rowleyi* Withner & Pollard 11320  
R 11938 Mexico 11320  
I 11938 Mexico - Guerrero 11320  
I 11938 Mexico - Oaxaca 11320
- I II *Epidendrum scalpelligerum* Reichb. f. 19890  
I 19890 Cuba 19890  
E 19890 Jamaica (St. Ann) 19890
- R II *Epidendrum tungurahuae* Schltr. 19045  
R 19045 Ecuador 19045
- R II *Epidendrum verrucosum* Sw. var. *hansenii* Adams 19890  
R 19890 Jamaica (St. Andrew, Manchester) 19890
- V II *Epidendrum verucosum* var. *hansenii* Adams 20883  
V 20883 Jamaica 20883
- V II *Epidendrum vulcanicola* A.H. Heller 10018  
V 11967 Nicaragua 10018
- V II *Epidendrum werffii* Dodson & Hágsater 19045  
V 19045 Ecuador 19045
- V II *Epidendrum williamsii* Dodson 19045  
V 19045 Ecuador 19045
- R II *Epideneium chapaense* Gagnepain 6057  
R Vietnam 6057
- V II *Epilyna hirtzii* Dodson 19045  
V 19045 Ecuador 19045
- V II *Epipactis albensis* Nováková et Rydlo 2050  
E 17786 Czech Republic 2050  
V 19321 Slovakia 19321
- V II *Epipactis cretica* J. Kalopissis & K. Robatsch 10260  
V 20730 Greece - Crete 10260
- R II *Epipactis pontica* Taub. 12840  
I 19321 Slovakia 19321  
R 19873 Turkey 12840
- V II *Epipactis troodi* Lindb.f. 14230  
V 19164 Cyprus 14230  
V 19873 Turkey (Amanus mts.) 14230
- R II *Epipogium japonicum* Makino 11164  
R 11164 Japan 11164
- I II *Epipogium sessanum* Hegde & Rao 9416  
I India - Arunachal Pradesh 9416



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Epipogium*

- R** || *Eria albiflora* Rolfe  
**R** 13883 India - Tamil Nadu (Western Ghats) 13883
- R** || *Eria articulata* Lindley 8021  
**R** 20013 Sri Lanka 8021
- I** || *Eria curranii* Leavitt 13833  
**I** 13833 Philippines (Palawan) 13833
- R** || *Eria dacrydium* Gagnepain 6057  
**R** Vietnam 6057
- R** || *Eria irukandjiana* St.Cloud 20681  
**R** 20681 Australia - Queensland 20681
- R** || *Eria junghuhnii* J.J. Smith 8309  
**R** Indonesia - Java 8309
- R** || *Eria lindleyi* Thwaites 8021  
**R** 20013 Sri Lanka 8021
- R** || *Eria occidentalis* Seidenf. 11494  
**R** 11494 India - Uttar Pradesh (Kumaun) 11494
- I** || *Eria palawanensis* Ames 13833  
**I** 13833 Philippines (Mt. Pulgar) 13833
- E** || *Eria pudica* Ridl. 19209  
**E** Malaysia - Peninsular Malaysia (Johor, Negeri Sembilan) 19209  
**Ex** 20099 Singapore 20099
- R** || *Eria rhynchostyloides* O'Brien 8309  
**R** Indonesia - Java (West Java; East Java) 8309
- R** || *Eria subaliena* Gagnepain 6057  
**R** Vietnam 6057
- R** || *Eria thwaitesii* Trimen 8021  
**R** 20013 Sri Lanka 8021
- R** || *Eria tonkinensis* Gagnepain 6057  
**R** Vietnam 6057
- V** || *Erycina echinata* (Kunth) Lindley 9423  
**V** 10042 Mexico 9423
- I** || *Erythrodes hirtella* (Swartz) Fawcett & Rendle 10199  
**I** Dominica 10199  
**I** 19408 Dominican Republic 19408
- E** || *Erythrodes jamaicensis* (F. & R.) F. & R. 20883, 19890  
**E** 20883 Jamaica 20883
- I** || *Eulophia candida* (Lindley) Reichb.f.  
**I** India - Assam  
**I** India - Sikkim
- I** || *Eulophia coddii* A.V.Hall 20604  
**I** 20604 South Africa - Transvaal 20604
- R** || *Eulophia cooperi* Rchb.f. 20604  
**R** 20604 South Africa - Orange Free State 20604  
**R** 20604 South Africa - Transvaal 20604
- I** || *Eulophia cullenii* (Wight) Blume 9216  
**I** India - Kerala (Travancore Hills) 9216  
**I** India - Tamil Nadu 4988
- V** || *Eulophia exaltata* Reichb.f. 8309  
**V** 19047 Indonesia - Java (east) 8309
- I** || *Eulophia holubii* Rolfe 20604  
**I** 20604 Botswana 20604  
**I** 20604 Namibia 20604
- V** || *Eulophia javanica* J.J. Smith 8309  
**V** 19047 Indonesia - Java (West Java; Central Java) 8309
- I** || *Eulophia leachii* Greatrex ex A.V.Hall 20604  
**I** 20604 Zimbabwe 20604
- I** || *Eulophia leucantha* (Kraenzlin) Solch  
**I** Namibia
- I** || *Eulophia litoralis* Schltr. 20604  
**I** 20604 South Africa - Cape Province 20604
- R** || *Eulophia mackinnonii* Duthie 11494  
**R** 11494 India - Madhya Pradesh 11494  
**R** 11494 India - Uttar Pradesh 11494
- E** || *Eulophia nicobarica* Balakr. & N.G. Nair 7771  
**E** 13883 India - Nicobar Is. 7771
- I** || *Eulophia obtusa* (Lindley) Hook.f.  
**I** India - Uttar Pradesh
- V** || *Eulophia platypetala* Lindl. 20604  
**V** 20604 South Africa - Cape Province 20604
- I** || *Eulophia ramentacea* Lindley ex Wight  
**I** India (Western Ghats; ? Deccan P.)  
**I** India - Gujarat  
**I** India - Karnataka
- Ex/E** || *Eulophia seychellarum* Rolfe ex Summerhayes 19446  
**Ex/E** 19446 Seychelles (incl. Cousin Is.) 19446
- V** || *Eulophia toyoshimae* Nakai 8038  
**V** 19134 Japan - Ogasawara-shoto (Hahajima) 8038
- R** || *Eurystyles ananassocomos* (Reichenb. f.) Schlechter 20883, 19002  
**R** 20883 Cuba 20883  
**E** 19408 Dominican Republic 19408  
**V** 20883 Jamaica 20883  
**I** 20883 Puerto Rico 20883
- R** || *Evetella rubiginosa* (Sond. ex Bolus) Kurzweil & H.P.Linder 20604  
**R** 20604 South Africa - Cape Province 20604
- V** || *Fernandezia maculata* Garay & Dunsterv. 16958  
**V** 10010 Ecuador 16958
- E** || *Flickingeria hesperis* Seidenf. 11494  
**E** 11494 India - Uttar Pradesh (Askot; Kumaun) 11494
- R** || *Flickingeria nativitatis* (Ridley) J.J. Wood 14224  
**R** 14224 Australia - Christmas Is. 14224
- R** || *Flickingeria punctilosa* (J.J. Smith) Hawkes 8309  
**R** Indonesia - Java (West Java; East Java) 8309
- R** || *Galeola affinis* J.J. Smith 8309  
**R** Indonesia - Java (West Java; East Java) 8309
- I** || *Galeola cathcartii* Hook.f.  
**I** India - Sikkim
- I** || *Galeola falconeri* Hook.f.  
**I** India - Arunachal Pradesh (Kameng)  
**I** India - Sikkim  
**I** India - Uttar Pradesh (Garhwal)
- I** || *Galeola lindleyana* Reichb.f. 4300  
**I** India - Meghalaya 4300  
**I** India - Nagaland 4300  
**I** India - Sikkim 4300
- R** || *Galeottiella sarcoglossa* (A. Rich. & Galeotti) Schltr. 11933  
**R** 9004 Guatemala 11933  
**R** 19850 Mexico - Guerrero 11933  
**I** 19850 Mexico - Hidalgo 11933  
**I** 19850 Mexico - Jalisco 9706  
**I** 19850 Mexico - Michoacan 11933

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Galeottiella*

- I 19850 Mexico - Morelos 11933  
I 19850 Mexico - Oaxaca 11933
- E II *Gastrochilus ciliaris* F. Maek. 11164  
E 11164 Japan 11164
- V II *Gastrochilus japonicus* (Makino) Schltr. 11164  
V 11164 Japan 11164
- I II *Gastrochilus minor* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Gastrochilus rutilans* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Gastrochilus suavis* Seidenf. 19120  
I 19120 Thailand 19120
- V II *Gastrodia africana* Kranzlin  
V Cameroon
- E II *Gastrodia boninensis* Tuy. 8038  
E 19134 Japan - Ogasawara-shoto 8038
- R II *Gastrodia crispera* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- I II *Gastrodia dyeriana* King & Pantl.  
I India - Sikkim
- I II *Gastrodia exilis* Hook.f. 9249  
I India - Meghalaya (Jaintia hills) 9249
- R II *Gastrodia gracilis* Blume 11164  
R 11164 Japan 11164
- R II *Gastrodia queenslandica* Dockr. 20681  
R 20681 Australia - Queensland 20681
- I II *Gastrodia zeylanica* Schltr. 8021  
I 16162 Sri Lanka 8021
- I II *Gavilea insularis* 19125  
I 19125 Chile - Juan Fernandez Is. 19125
- R II *Genoplesium alticolium* D.Jones & B.Gray 20681  
R 20681 Australia - Queensland 20681
- R II *Genoplesium arrectum* D.L.Jones 20681  
R 20681 Australia - Victoria 20681
- R II *Genoplesium baueri* R.Br. 20681  
R 20681 Australia - New South Wales 20681
- R II *Genoplesium brachystachyum* (Lindley) D.L.Jones & M.A.Clements 20681, 10260  
R 20681 Australia - Tasmania 20681
- R II *Genoplesium pedersonii* D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- E II *Genoplesium rhyoliticum* D.L.Jones & M.A.Clements 20681  
E 20681 Australia - New South Wales 20681
- R II *Genoplesium sigmoideum* D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- R II *Genoplesium superbum* D.L.Jones 20681  
R 20681 Australia - New South Wales 20681
- E II *Genoplesium tectum* D.L.Jones 20681  
E 20681 Australia - Queensland 20681
- R II *Genoplesium validum* D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- V II *Genyorchis macrantha* Summerh.  
V Cameroon (Cameroon mt)
- V II *Genyorchis platybulbon* Schltr.  
V Cameroon (Moliwe & Limbe)
- V II *Gongora amparoana* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Gongora gibba* Dressler 20883, 10747  
V 16317 Panama 20883
- R II *Goodyera boninensis* Nakai 8038  
R 19134 Japan - Ogasawara-shoto 8038
- R II *Goodyera glauca* J.J. Smith 8309  
R Indonesia - Java (east) 8309
- E II *Goodyera macrophylla* Lowe 17781  
E Portugal - Madeira 17891
- I II *Goodyera recurva* Lindley  
I India - Meghalaya (Khasi hills)
- R II *Goodyera viridiflora* (Blume) Blume 20681, 8309  
R Indonesia - Java (West Java; East Java) 8309  
R 20681 Australia - Queensland 20681
- V II *Govenia bella* Greenwood 11278  
V 11278 Mexico - Oaxaca 11278
- V II *Govenia purpusii* Schltr. 10007  
V 10007 Mexico 10007
- R II *Govenia tequilana* Dressler & Hágsater 9706  
R 11933 Mexico 9706
- I II *Grosourdyia callifera* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Gunnarella nambana* B. Lewis 17617  
R 17690 Vanuatu (Malekula) 17690
- V II *Gymnadenia fujisanensis* Sugim. 11164  
V 11164 Japan 11164
- R II *Gymnigritella runei* Teppner & Klein 18216, 21309  
R 20083 Sweden 18216
- E II *Habenaria amplifolia* 19473  
E 19473 Cook Is. (Southern group) (Rarotonga) 19473
- R II *Habenaria andamanica* Hook. F. 7771  
R 14782 India - Andaman Is. (South Andaman Is.) 7771
- R II *Habenaria angustissima* Summerh. 7926  
R Guinea 7926
- R II *Habenaria apiculata* Summerh. 7959  
R 5926 Tanzania (Arusha Distr.) 7959
- E II *Habenaria avicula* Schltr. 20883, 9006  
I 20883 Panama 20883
- V II *Habenaria bantamensis* J.J. Smith 8309  
V 19047 Indonesia - Java (West & East Java) 8309
- R II *Habenaria barnesii* Summerh. ex C. Fischer 11494  
R 11494 India - Kerala (Idukki) 11494  
R 11494 India - Tamil Nadu (Nilagiri Hills) 11494
- I II *Habenaria bougainvilleae* Renz 14794  
I 14793 PNG - Bougainville (N. Solomon Is.) 14794  
I 14793 Solomon Is. - South (Guadalcanal) 14794
- R II *Habenaria brevilabiata* A. Rich. & Galeotti 9423  
R 11933 Mexico 9423
- R II *Habenaria burtii* Summerh. 7959  
R 5926 Tanzania (Dodoma) 7959
- R II *Habenaria busseana* Kraenzlin 7959  
R 5926 Tanzania (Songea Distr.) 7959
- R II *Habenaria chapaensis* Gagnepain 6057  
R Vietnam 6057
- R II *Habenaria cordifolia* Summerh. 7959

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Habenaria*

- R 5926 Tanzania (Songea Distr.) 7959
- R II *Habenaria corydophora* Reich.f. 18200  
I Colombia  
R 18200 Peru 18200
- V II *Habenaria curvicalcar* J.J. Smith 8309  
V 19047 Indonesia - Java (West Java) 8309
- I II *Habenaria denticulata* Reichb.f.  
I India - Tamil Nadu 4988
- E II *Habenaria divaricata* Rogers & White 20681  
E 20681 Australia - Queensland 20681
- R II *Habenaria dussii* Cogn. 19400  
R 19400 Guadeloupe 19400
- R II *Habenaria evrardii* Gagnepain 6057  
R Vietnam 6057
- I II *Habenaria fimbriata* Wight  
I India - Tamil Nadu (Nilgiri Hills) 4988
- R II *Habenaria flagellifera* Makino var. *yosiei*  
Hara 11164  
R 11164 Japan 11164
- V II *Habenaria giriensis* J.J. Smith 8309  
V 19047 Indonesia - Java (east) 8309
- I II *Habenaria haareri* Summerh. 5926  
I 5926 Tanzania (Kilimanjaro) 5926
- Ex/E II *Habenaria horsfieldiana* Kranzlin 8309  
Ex/E 19047 Indonesia - Java 8309
- V II *Habenaria insularis* Schltr. 20893  
V 20893 New Caledonia 20893
- V II *Habenaria iyoensis* Ohwi 11164  
V 11164 Japan 11164
- V II *Habenaria keniensis* Summerh. 6073  
V 6073 Kenya (Mt. Elgon, Naivasha distr.) 7959
- R II *Habenaria kingii* Hook.f.  
R Malaysia - Peninsular Malaysia (Perak)
- V II *Habenaria lacertifera* (Lindley) Benth. var. *triangularis* (F. Maek.) Satomi 11164  
V 11164 Japan 11164
- Ex II *Habenaria lancifolia* A.Rich. 10082  
Ex 20771 Mauritius 10082
- E II *Habenaria macraithii* Lavarack 20681  
E 20681 Australia - Queensland 20681
- I II *Habenaria maitlandii* Summerh.  
I Cameroon (Nchan and Bamenda)
- V II *Habenaria marquisensis* F. Brown  
V French Polynesia - Marquesas Is
- V II *Habenaria medusa* 19047  
V 19047 Indonesia - Java 19047
- R II *Habenaria multipartita* Blume ex Kranzlin 8309  
R Indonesia - Java 8309
- I II *Habenaria nyikana* Rchb. f. ssp. *pubipetala*  
Summerh. 5926  
I 5926 Tanzania 5926
- R II *Habenaria oclusa* Summerh. 7959  
R 5926 Tanzania (Mbeya Peak) 7959
- R II *Habenaria odorata* Schltr. 7959  
R 5926 Tanzania (Rungwe Distr.) 7959
- R II *Habenaria panchganiensis* Sant. & Kapad. 14782  
R 14782 India - Maharashtra (J) 14782
- I II *Habenaria polyodon* Hook.f. 2268  
I India - Tamil Nadu (Nilgiri Hills) 2268
- E II *Habenaria purdiei* F. & R. 20883, 19890  
V 19890 Jamaica 20883
- V II *Habenaria reflex* 19047  
V 19047 Indonesia - Java 19047
- I II *Habenaria richardiana* Wight  
I India - Kerala (Travancore) 4988  
I India - Tamil Nadu 4988
- R II *Habenaria richardsiae* Summerh. 7959  
R 5926 Tanzania (Njombe Distr.) 7959
- Ex II *Habenaria rosellata* (Thouars) Schltr. 10082  
Ex 10082 Réunion 10082  
Ex 20771 Mauritius 10082
- I II *Habenaria singularis* Summerh. 7881  
I Zimbabwe 7881
- E II *Habenaria socialis* F. & R. 20883, 19890  
I 19890 Jamaica 20883
- R II *Habenaria subauriculata* Robinson & Greenman 11933  
R 10007 Mexico - Oaxaca 11933  
R 10007 Mexico - Puebla 11933
- E II *Habenaria thomsonii* Reichb.f. 6073  
E 6073 Kenya (Londiani) 7959
- V II *Habenaria undulata* (J.J. Smith) J.J. Smith 8309  
V 19047 Indonesia - Java 8309
- R II *Habenaria vaupelii* Schltr. 8006  
R U.S. - American Samoa (Tau) 8006  
R Western Samoa (Savaii; Upolu) 8006
- Ex II *Habenaria vesiculosa* A.Rich. 10082  
Ex 20771 Mauritius 10082
- V II *Habenaria woodii* Schltr. 20604  
V 20604 South Africa - Natal 20604
- R II *Habenaria xanthantha* F.Muell. 20681  
R 20681 Australia - Queensland 20681
- R II *Hagsatera brachycolumna* (L.O. Williams) Gonz.  
Tam. 10021  
R 11933 Mexico 10021
- R II *Hagsatera rosilloi* Gonz.Tam. 9706  
R 11933 Mexico - Jalisco 21204
- E II *Hancockia japonica* (Hatus.) F. Maek. 11164  
E 11164 Japan 11164
- V II *Harrisella uniflora* H. Dietrich 11840  
V Cuba (Santiago de Cuba) 11840
- V II *Hederorkis scandens* Thouars 10082  
V 20771 Mauritius 10082
- V II *Helcia sanguinolenta* Lindley 12482  
V 19045 Ecuador 18105  
E 18200 Peru 18200
- E II *Herschelianthe barbata* (L.f.) N.C.Anthony 20604  
E 20604 South Africa - Cape Province 20604
- E II *Herschelianthe excelsa* (Thunb.) Rolfe nom. illegit. 20604  
E 20604 South Africa - Cape Province 20604
- I II *Herschelianthe forcipata* (Schltr.) Rauschert 20604  
I 20604 South Africa - Cape Province 20604
- R II *Herschelianthe forcifaria* (Bolus) N.C.Anthony 20604  
R 20604 South Africa - Cape Province 20604
- V II *Herschelianthe lugens* (Bolus) Rauschert var. *lugens* 20604  
V 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Herschelianthe*

- I** II *Herschelianthe lugens* (Bolos) Rauschert var. *nigrescens* (H.P.Linder) N.C.Anthony 20604  
**I** 20604 South Africa - Cape Province 20604
- V** II *Herschelianthe schlechteriana* (Bolos) N.C.Anthony 20803  
**V** 20604 South Africa - Cape Province 20604
- V** II *Herschelianthe spathulata* (L.f.) Rauschert ssp. *tripartita* (Lindl.) N.C.Anthony 20604  
**V** 20604 South Africa - Cape Province 20604
- R** II *Hetaeria lamellata* Blume 8309  
**R** Indonesia - Java (West Java; East Java) 8309
- I** II *Hetaeria ovalifolia* (Wight) Benth. 4988  
**I** India - Kerala 11153  
**I** India - Tamil Nadu (Courtallum, Tirunelveli Hills) 4988
- R** II *Hexaectris brevicaulis* L.O. Williams 9423  
**R** 11119 Mexico 9423
- R** II *Hexaectris nitida* L.O. Williams 20850  
**E** 20850 U.S. - New Mexico 20850  
**R** 20850 U.S. - Texas 20850
- E** II *Hexaectris revoluta* Correll 20883, 20850, 9423  
**E** 20850 U.S. - Texas 20850  
**I** 20883 Mexico 20883
- V** II *Hexaectris warnockii* Ames & Correll 20850  
**E** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - New Mexico 20850  
**V** 20850 U.S. - Texas 20850
- I** II *Himantoglossum formosum* (Stev.) C. Koch 5942  
**I** 5942 Azerbaijan 5942
- V** II *Hirtzia benzignii* Dodson 19045, 11274  
**V** 19045 Ecuador 19045
- I** II *Holothrix majubensis* C. & R.H.Archer ined. 20604  
**I** 20604 South Africa - Natal 20604
- E** II *Holothrix pentadactyla* (Summerh.) Summerh. 6073  
**E** 6073 Kenya 7959
- I** II *Holothrix pilosa* (Burch. ex Lindl.) Rechb.f. 20604  
**I** 20604 South Africa - Cape Province 20604
- I** II *Holothrix pleistodactyla* Krzl. 5926  
**I** 5926 Tanzania 5926
- I** II *Holothrix socotrana* Rolfe 15534  
**I** 15534 Yemen - Socotra 15534
- I** II *Holothrix triloba* (Rolfe) Krzl. 5926  
**I** 5926 Tanzania 5926
- R** II *Homalopetalum costaricense* Schltr. 9037  
**R** 9426 Costa Rica 9037
- R** II *Hymenorchis javanicus* (Teijsm. & Binnend.) Schltr. 8309  
**R** Indonesia - Java (West Java) 8309
- E** II *Ipsea malabarica* (Reichb.f.) Hook.f. 11494  
**E** 11494 India - Kerala (Silent Valley, Palghat Dt) 11494
- E** II *Ipsea speciosa* Lindley 8021  
**E** 20013 Sri Lanka 8021
- V** II *Isotria medeoloides* (Pursh) Raf. 20850, 14352  
**E** 20850 Canada - Ontario 20850  
**E** 20850 U.S. - Connecticut 20850  
**E** 20850 U.S. - Delaware 20850  
**Ex** 20850 U.S. - District of Columbia 20850  
**V** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Illinois 20850  
**V** 20850 U.S. - Maine 20850
- Ex/E** 20850 U.S. - Maryland 20850  
**E** 20850 U.S. - Massachusetts 20850  
**E** 20850 U.S. - Michigan 20850  
**Ex** 20850 U.S. - Missouri 20850  
**V** 20850 U.S. - New Hampshire 20850  
**E** 20850 U.S. - New Jersey 20850  
**Ex/E** 20850 U.S. - New York 20850  
**E** 20850 U.S. - North Carolina 20850  
**E** 20850 U.S. - Ohio 20850  
**E** 20850 U.S. - Pennsylvania 20850  
**E** 20850 U.S. - Rhode Is. 20850  
**E** 20850 U.S. - South Carolina 20850  
**E** 20850 U.S. - Tennessee 20850  
**Ex/E** 20850 U.S. - Vermont 20850  
**V** 20850 U.S. - Virginia 20850
- V** II *Jumellea fragrans* (Thouars) Schltr. 10082  
**V** 20771 Mauritius 10082  
**V** 10082 Mauritius - Rodrigues 10082
- V** II *Jumellea recta* (Thouars) Schltr. 10082  
**V** 10082 Réunion 10082  
**V** 20771 Mauritius 10082  
**E** 5852 Mauritius - Rodrigues (Mont Cimetiere) 10082
- R** II *Kefersteinia hirtzii* Dodson 19045  
**R** 19045 Ecuador 19045
- V** II *Kefersteinia lindneri* Dodson 19045  
**V** 19045 Ecuador 19045
- E** II *Kefersteinia subquadrata* Schltr. 9426  
**E** 9593 Costa Rica 9426
- R** II *Kionophyton sawyeri* (Standley & L.O. Williams) Garay 11933  
**R** 11933 Mexico - Morelos 11933
- R** II *Koellensteinia eburnea* (Barb. & Rodr.) Sealtr. 16585  
**R** 16585 Brazil - Minas Gerais 16585
- R** II *Lacaena bicolor* Lindley 9114  
**R** 21290 Belize 12779  
**R** 21290 Costa Rica 12497  
**V** 10359 El Salvador 10359  
**R** 9004 Guatemala 9004  
**R** 9004 Honduras 9004  
**V** 16360 Mexico - Oaxaca 9114  
**V** 11967 Nicaragua 10360
- E** II *Laelia anceps* Lindley forma *blanca* 9019  
**E** 9019 Mexico - Puebla 9019  
**E** 9019 Mexico - Veracruz 9019
- E** II *Laelia anceps* Lindley var. *dawsonii* 19850  
**E** 21196 Mexico - Chiapas 21196
- R** II *Laelia esalqueana* Blumensch. ex Pabst 16585  
**R** 16585 Brazil 16585
- I** II *Laelia fidelensis* Pabst 17079  
**I** 17746 Brazil - Rio de Janeiro 17079
- V** II *Laelia furfuracea* Lindley 9423  
**V** 10007 Mexico 9423
- E** II *Laelia gouldiana* Reichb.f. 9423  
**E** 11933 Mexico 9423
- E** II *Laelia grandis* Lindley & Paxton 17079  
**E** 17079 Brazil - Bahia (Sul da Bahia, a Rio do Meio.) 17079
- V** I *Laelia jongheana* Reichb.f. 17079  
**V** 17079 Brazil - Minas Gerais 17079
- E** I *Laelia lobata* (Lindl.) Veitch 15658  
**E** 17079 Brazil - Rio de Janeiro (Pedra da Gávea, Tijuca, escarpa da Vista Chinesa) 17079
- V** II *Laelia speciosa* (Kunth) Schltr. 9019  
**V** 11119 Mexico 9019

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Laelia*

- E** || *Laelia tenebrosa* Rolfe 17079  
**E** 17079 Brazil - Espírito Santo (município de Mimoso do Sul.) 17079
- R** || *Laelia virens* Lindley 17079  
**R** 17746 Brazil - Espírito Santo 17079  
**R** 17746 Brazil - Minas Gerais 17079  
**R** 17746 Brazil - Rio de Janeiro (Nova Friburgo, Alto Macaé, Teresópolis) 17079
- E** || *Laelia xanthina* Lindley 17079  
**E** 17079 Brazil - Espírito Santo (Domingos Martins) 17079
- R** || *Lecanorchis hojuriensis* Masamunea 11164  
**R** 11164 Japan 11164
- R** || *Lecanorchis kiiensis* Murata 11164  
**R** 11164 Japan 11164
- R** || *Lecanorchis kiusiana* Tuy. 11164  
**R** 11164 Japan 11164
- R** || *Lecanorchis trachycaula* Ohwi 11164  
**R** 11164 Japan 11164
- V** || *Lemboglossum apterum* (Llave & Lex.) Halbinger 11335  
**V** 16360 Mexico 11335
- V** || *Lemboglossum candidulum* (Reichb.f.) Halbinger 11335  
**V** 16360 Mexico 11335
- V** || *Lemboglossum cervantesii* (Llave & Lex.) Halbinger 11335  
**V** 16360 Mexico 11335
- V** || *Lemboglossum ehrenbergii* (Link, Klotz. & Otto) Halbinger 11335  
**V** 16360 Mexico 11335
- R** || *Lemboglossum galeottianum* (A. Rich.) Halbinger 11335  
**R** 19850 Mexico 11335
- V** || *Lemboglossum madreense* (Reichb. f) Halbinger 19850  
**V** 19850 Mexico 19850
- E** || *Leochilus hagsateri* M. W. Chase 20883, 10049  
**I** 20883 Mexico 20883
- V** || *Leochilus hyalinobulbon* (Llave & Lex.) Schltr. 10041  
**V** Mexico - Guerrero 10041  
**V** Mexico - Jalisco 10041  
**V** Mexico - Michoacan 10041  
**V** Mexico - Morelos 10041  
**V** Mexico - Nayant 10041  
**V** Mexico - Oaxaca 10041
- I** || *Leochilus labiatus* (Swartz) Kuntze 10199  
**I** Dominica 10199  
**E** 19408 Dominican Republic 19408
- R** || *Leochilus leiboldii* Reichb.f. 11566  
**R** 11119 Mexico - Oaxaca 9423
- E** || *Leochilus puertoricensis* Chase 20883, 19002  
**I** 20883 Puerto Rico 20883
- V** || *Lepanthes acoridilabia* Ames & C. Schweinf. 9037  
**V** 9426 Costa Rica 9037
- V** || *Lepanthes acostae* Schltr. 9037  
**V** 9426 Costa Rica 9037
- V** || *Lepanthes acuminata* Schltr. ssp. *ernestii* Salazar & Soto Arenas 21265  
**V** 21265 Mexico - Chiapas 21265
- E** || *Lepanthes adamsii* Hespdenheide 20883, 19890  
**V** 19890 Jamaica (Portland) 20883
- R** || *Lepanthes aries* Luer 19045  
**R** 19045 Ecuador 19045
- V** || *Lepanthes attenuata* Salazar, Soto Arenas & O. Suárez 21265  
**V** 21265 Mexico - Oaxaca 21265  
**V** 21265 Mexico - Veracruz 21265
- R** || *Lepanthes aurita* Luer & Escobar 19045  
**R** 19045 Ecuador 19045
- V** || *Lepanthes ballatrix* Luer 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes barbae* Schltr. 9037  
**V** 9426 Costa Rica 9037
- R** || *Lepanthes benzingii* Luer 19045  
**R** 19045 Ecuador 19045
- V** || *Lepanthes bifalcis* Luer 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes bifaria* Luer 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes blepharistes* Reichb.f. 9006  
**V** 9426 Costa Rica 9006  
**E/V** 11967 Nicaragua 10034
- V** || *Lepanthes brachypogon* Luer 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes bradei* Schltr. 9037  
**V** 9426 Costa Rica 9037
- E** || *Lepanthes brownii* Hespdenheide 20883, 19890  
**V** 19890 Jamaica (St. James) 20883
- V** || *Lepanthes calodictyon* Hook. 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes camposii* Salazar & Soto Arenas 21265  
**V** 21265 Mexico - Guerrero 21265  
**V** 21265 Mexico - Oaxaca 21265
- V** || *Lepanthes cascajalensis* Ames 9037  
**V** 9426 Costa Rica 9037
- V** || *Lepanthes chameleon* Ames 9037  
**V** 9426 Costa Rica 9037
- R** || *Lepanthes ciliaris* Luer & Hirtz 19045, 21295  
**R** 19045 Ecuador 19045
- V** || *Lepanthes ciliisepala* Schltr. 9037  
**V** 9426 Costa Rica 9037
- V** || *Lepanthes cochlearifolia* (Sw.) Sw. 20883, 19890  
**R** 19890 Jamaica (Portland) 20883
- V** || *Lepanthes columbar* Luer 19045  
**V** 19045 Ecuador 19045
- V** || *Lepanthes confusa* Ames & C. Schweinf. 9037  
**V** 9426 Costa Rica 9037
- V** || *Lepanthes convexa* Hespdenheide 20883, 19890  
**V** 19890 Jamaica (Trelawny) 20883
- V** || *Lepanthes cotyledon* Luer 19045  
**V** 19045 Ecuador 19045
- R** || *Lepanthes craticia* Luer 19045  
**R** 19045 Ecuador 19045
- R** || *Lepanthes dalessandroi* Luer 19045  
**R** 19045 Ecuador 19045
- V** || *Lepanthes dealcates* Luer 19045  
**V** 19045 Ecuador 19045
- R** || *Lepanthes deliqua* Luer 19045  
**R** 19045 Ecuador 19045
- R** || *Lepanthes delphax* Luer 19045  
**R** 19045 Ecuador 19045
- R** || *Lepanthes divaricata* F. & R. 20883  
**R** 20883 Jamaica 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Lepanthes*

- E** || *Lepanthes dodiana* Stimson 20883  
I 20883 Puerto Rico 20883
- R** || *Lepanthes dodsonii* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes electilis* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes elliptica* F. & R. 20883  
V 20883 Jamaica 20883
- E** || *Lepanthes eltoroensis* Stimson 20883, 8058  
I 20883 Puerto Rico 20883
- R** || *Lepanthes erepsis* Luer & Hirtz 19045, 21295  
R 19045 Ecuador 19045
- V** || *Lepanthes estrellensis* Ames 9037  
V 9426 Costa Rica 9037
- V** || *Lepanthes exasperata* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- R** || *Lepanthes excedens* Ames & Correll 9004  
R 19752 Guatemala 9004
- R** || *Lepanthes flexuosa* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes focalis* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes furcatipetala* Garay 19408  
E 19408 Dominican Republic 19408  
R 15638 Haiti (massif de la Hotte) 15638
- R** || *Lepanthes fusiformis* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes gabriellae* Salazar & Soto Arenas 21265  
R 21265 Mexico - Oaxaca 21265
- R** || *Lepanthes grypha* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes guanacastensis* Ames & C. Schweinf. 9006  
V 9426 Costa Rica 9006  
E/V 11967 Nicaragua 10034
- V** || *Lepanthes homotaxis* Luer & Escobar 19045  
V 19045 Ecuador 19045
- R** || *Lepanthes ictalurus* Luer 19045  
R 19045 Ecuador 19045
- E** || *Lepanthes ilense* Dodson 19045  
E 19045 Ecuador 19045
- R** || *Lepanthes illex* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes imoena* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes inornata* Schltr. 9037  
V 9426 Costa Rica 9037
- E** || *Lepanthes insectiflora* C. Schweinf. 20883, 9006  
I 20883 Panama 20883
- R** || *Lepanthes intermedia* Hespeneheide 20883  
R 20883 Jamaica 20883
- R** || *Lepanthes intonsa* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes intricata* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes jimenezii* Schltr. 9037  
V 9426 Costa Rica 9037
- V** || *Lepanthes jubata* Luer 19045  
V 19045 Ecuador 19045
- E** || *Lepanthes lanceolata* Hespeneheide 20883, 19890  
V 19890 Jamaica (St. James) 20883
- V** || *Lepanthes latsepala* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- V** || *Lepanthes lindleyana* Oersted & Reichb.f. var. *angustifolia* Ames, Hubb. & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- R** || *Lepanthes loddigesiana* Reichb. 20883  
R 20883 Jamaica 20883
- R** || *Lepanthes lophius* Luer & Escobar 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes machorroii* Salazar & Soto Arenas 21265  
R 21265 Mexico - Oaxaca 21265
- R** || *Lepanthes magnifica* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes mariae* Salazar, Soto Arenas & O. Suárez 21265  
R 21265 Mexico - Oaxaca 21265
- E** || *Lepanthes maxonii* Schltr. 20883, 9006  
I 20883 Panama 20883
- R** || *Lepanthes megalostele* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes menatoi* Luer & Vásquez 19045  
V 19045 Ecuador 19045
- V** || *Lepanthes microglottis* Schltr. 9037  
V 9426 Costa Rica 9037
- R** || *Lepanthes micropogon* Luer 19045  
R 19045 Ecuador 19045
- V** || *Lepanthes minutilabia* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- R** || *Lepanthes mixe* Salazar & Soto Arenas 21265  
R 21265 Mexico - Oaxaca 21265
- V** || *Lepanthes multiflora* Adams & Hespeneheide 20883, 19890  
R 19890 Jamaica (St. James, Trelawny) 20883
- R** || *Lepanthes muscula* Luer & Escobar 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes nigriscapa* R.E. Schultes & G.W. Dillon 21265  
R 21265 Mexico - Oaxaca 21265
- R** || *Lepanthes nivea* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes nontecta* Luer 19045  
R 19045 Ecuador 19045
- I** || *Lepanthes nubicula* Reichb.f. 19352  
I 19352 Colombia 19352
- R** || *Lepanthes oaxacana* Salazar, Soto Arenas & O. Suárez 21265  
R 21265 Mexico - Oaxaca 21265
- R** || *Lepanthes obtusa* F. & R. 20883  
R 20883 Jamaica 20883
- V** || *Lepanthes obtusipetala* (F. & R.) F. & R. 20883  
V 20883 Jamaica 20883
- R** || *Lepanthes orchestris* Luer & Vasquez 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes otara* Luer 19045  
R 19045 Ecuador 19045
- R** || *Lepanthes ovalis* (Sw.) F. & R. 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Lepanthes*

- R 20883 Jamaica 20883
- R II *Lepanthes papilionacea* Salazar, Soto Arenas & O. Suárez 21265  
R 21265 Mexico - Oaxaca 21265
- E II *Lepanthes paradoxa* Luer 19045  
R 19045 Ecuador 19045
- R II *Lepanthes peniculus* Luer 19045  
R 19045 Ecuador 19045
- R II *Lepanthes pentoxys* Luer 19045  
R 19045 Ecuador 19045
- V II *Lepanthes pleurorachis* Luer 19045  
V 19045 Ecuador 19045
- R II *Lepanthes pollex* Luer 19045  
R 19045 Ecuador 19045
- R II *Lepanthes polytricha* Luer 19045  
R 19045 Ecuador 19045
- E II *Lepanthes proctorii* Garay & Hespeneide 20883, 19890  
V 19890 Jamaica (Portland) 20883
- R II *Lepanthes pseudocaulescens* Lyman B. Smith & Harris 19045, 21295  
? Colombia 21295  
R 19045 Ecuador 19045
- R II *Lepanthes pubes* Luer & Escobar 19045  
R 19045 Ecuador 19045
- R II *Lepanthes pubescens* Luer 19045  
R 19045 Ecuador 19045
- R II *Lepanthes pulchella* (Sw.) Sw. 20883  
R 20883 Jamaica 20883
- R II *Lepanthes quadrata* F. & R. 20883  
R 20883 Jamaica 20883
- R II *Lepanthes quaternaria* Luer 19045  
R 19045 Ecuador 19045
- V II *Lepanthes ramonensis* Schltr. 9037  
V 9426 Costa Rica 9037
- R II *Lepanthes rhombipetala* Schltr. 19045  
I 19352 Colombia 19352  
R 19045 Ecuador 19045
- R II *Lepanthes rotundata* Griseb. 20883  
R 20883 Jamaica 20883
- R II *Lepanthes saltator* Luer 19045  
R 19045 Ecuador 19045
- V II *Lepanthes schizix* Luer 19045  
V 19045 Ecuador 19045
- E II *Lepanthes simplex* Hespeneide 20883, 19890  
V 19890 Jamaica (Trelawny) 20883
- R II *Lepanthes sousae* Salazar & Soto Arenas 21265  
R 21265 Mexico - Oaxaca 21265
- V II *Lepanthes standleyi* Ames 9037  
V 9426 Costa Rica 9037
- R II *Lepanthes stupenda* Luer 19045  
R 19045 Ecuador 19045
- V II *Lepanthes subdimidiata* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- R II *Lepanthes teres* Luer 19045  
R 19045 Ecuador 19045
- V II *Lepanthes tipulifera* Reichb.f. 9037  
V 9426 Costa Rica 9037
- E II *Lepanthes trichodactyla* Lindley 5607
- E 19105 Cuba (Santiago de Cuba) 5607
- V II *Lepanthes tridens* Ames 9037  
V 9426 Costa Rica 9037
- V II *Lepanthes tridentata* (Sw.) Sw. 20883, 19890  
R 19890 Jamaica 20883
- E II *Lepanthes tubuliflora* Hespeneide 20883, 19890  
I 19890 Jamaica 20883
- E II *Lepanthes unguicularis* Hespeneide 20883, 19890  
V 19890 Jamaica (St. James) 20883
- V II *Lepanthes villosa* Lojtnant 19045, 21295  
V 19045 Ecuador 19045
- E II *Lepanthes vinacea* Hespeneide 20883, 19890  
V 19890 Jamaica (St. Andrew, St. Thomas) 20883
- V II *Lepanthes wendlandii* Reichb.f. 9037  
V 9426 Costa Rica 9037
- V II *Lepanthes wercklei* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Lepanthes woodiana* F. & R. 20883  
V 20883 Jamaica 20883
- R II *Lepanthes wulfschlaegelii* F. & R. 20883  
R 20883 Jamaica 20883
- V II *Lepanthes ximena* Luer 19045  
V 19045 Ecuador 19045
- R II *Lepanthes yuvilensis* Catling 21269  
R 21269 Mexico - Oaxaca 21269
- E II *Lepanthopsis microlepanthes* (Griseb.) Ames 20883, 5607  
E 20883 Cuba (Santiago de Cuba) 20883  
E 19408 Dominican Republic 19408  
E 19890 Jamaica (Clarendon, Portland) 20883
- I II *Lesliea miraltilis* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Ligeophila clavigera* (Reichb.f.) Garay 11933  
R 19850 Mexico 11933  
R 21266 Panama 21266
- R II *Liparis aaronii* Cribb & B. Lewis 14795  
R 14795 Vanuatu 14795
- E II *Liparis adamsii* Proctor 20883, 19890  
E 19890 Jamaica 20883
- I II *Liparis barbata* Lindley 8021  
I 16162 Sri Lanka 8021
- I II *Liparis beddomei* Ridley  
I India - Tamil Nadu (Palani Hills) 4988
- V II *Liparis biloba* Wight 11494  
V 11494 India - Tamil Nadu (Kollimund, Nilagiri hills) 11494
- I II *Liparis brachyglottis* Reichb.f. ex Trimen. 8021  
I 16162 Sri Lanka 8021
- R II *Liparis chapaensis* Gagnepain 6057  
R Vietnam 6057
- E II *Liparis clypeolum* Lindley var. *marquesensis* F. Brown  
E French Polynesia - Marquesas Is
- R II *Liparis decurrens* (Blume) Reichb.f. 8309  
R Indonesia - Java 8309
- I II *Liparis duthiei* Hook.f.  
I India - Tamil Nadu (Nilagiri Hills) 4988
- V II *Liparis elegantula* Krzl. 19045

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Liparis*

- V 19045 Ecuador 19045
- V || *Liparis ferruginea* Lindl. 19209  
 V 19047 Malaysia - Peninsular Malaysia (Melaka, Perak) 19209  
 Ex 20099 Singapore 20099
- V || *Liparis furcata* (Hook.f.) Ridley 19047  
 V 19047 Malaysia - Peninsular Malaysia (Taping Hills) 19047
- E || *Liparis guamensis* Ames  
 E 18338 U.S. - Guam 18338
- E || *Liparis harrisii* Fawcett & Rendle 20883, 19890  
 R 19890 Jamaica 20883  
 I 20883 Puerto Rico 20883
- V || *Liparis hirtzii* Dodson 19045  
 V 19045 Ecuador 19045
- I || *Liparis hostaefolia* (Koidz.) Koidz. ex Tuy. 8622  
 I 19134 Japan - Kazan Retto (Minami-Iwojima) 8622  
 Ex 19134 Japan - Ogasawara-shoto 8622
- Ex/E || *Liparis lauterbachii* Schltr. 8309  
 Ex/E 19047 Indonesia - Java (east) 8309
- V || *Liparis lueri* Dodson 19045  
 V 19045 Ecuador 19045
- V || *Liparis nigrescens* Schltr. 19045  
 V 19045 Ecuador 19045
- I || *Liparis palawanensis* Ames 13833  
 I 13833 Philippines (Palawan) 13833
- I || *Liparis platybolba* Hayata 11164  
 I 11164 Japan 11164
- I || *Liparis platyphylla* Ridley  
 I India - Tamil Nadu 4988
- R || *Liparis prianganensis* J.J. Smith 8309  
 R Indonesia - Java (West Java) 8309
- I || *Liparis pulchella* Hook.f.  
 I India - Meghalaya  
 I India - Nagaland
- V || *Liparis saundersiana* Reichenb. f. 20883, 19890  
 V 19890 Jamaica (St Andrews) 20883  
 I 20883 Puerto Rico 20883
- R || *Liparis tonkinensis* Gagnepain 6057  
 R Vietnam 6057
- R || *Liparis tradescantifolia* (Blume) Lindley 8309  
 R Indonesia - Java (West Java) 8309
- R || *Listera auriculata* Wieg. 20850  
 I 20850 Canada - Labrador 20850  
 I 20850 Canada - New Brunswick 20850  
 I 20850 Canada - Newfoundland 20850  
 R 20850 Canada - Ontario 20850  
 R 20850 Canada - Quebec 20850  
 E 20850 U.S. - Maine 20850  
 V 20850 U.S. - Michigan 20850  
 E 20850 U.S. - Minnesota 20850  
 E 20850 U.S. - New Hampshire 20850  
 E 20850 U.S. - New York 20850  
 E 20850 U.S. - Vermont 20850  
 E 20850 U.S. - Wisconsin 20850
- V || *Lockhartia amoena* Endres & Reichb.f. var. *triangulabia* C. Schweinf. & P. Allen 9006  
 V 19577 Panama 9006
- R || *Lockhartia dipleura* Schltr. 9037  
 R 9426 Costa Rica 9037
- V || *Lockhartia obtusata* L.O. Wms. 20883, 9006  
 V 16317 Panama 20883
- V || *Luisia boninensis* Schltr. 8038  
 V 19134 Japan - Ogasawara-shoto 8038
- R || *Luisia taurina* J.J. Smith 8309  
 R Indonesia - Java (West Java; East Java) 8309
- V || *Lycaste crinita* Lindley 9423  
 V 10007 Mexico 9423
- E || *Lycaste hirtzii* Dodson 19045  
 E 19045 Ecuador 19045
- R || *Lycaste macrophylla* Cogn. var. *desboisiana* Cogn. 10034  
 R 10034 Costa Rica 10034  
 E/V 11967 Nicaragua 10034
- E || *Lycaste powellii* Schltr. 20883, 10012  
 R 10010 Panama 20883
- E || *Lycaste skinneri* (Bateman ex Lindley) Lindley 2790  
 E 10359 El Salvador 10359  
 E 11938 Guatemala 2790  
 E 11938 Honduras 2790  
 E 11938 Mexico - Chiapas 9114
- V || *Lycaste suaveolens* Summerh. 10013  
 V 10359 El Salvador 10013  
 E 9443 Guatemala 9443  
 E/V 11967 Nicaragua 10034
- V || *Lycaste sulfurea* Reichb.f. 10013  
 V 10359 El Salvador 10013
- V || *Lycomorphium ecuadorensis* Sweet 19045  
 V 19045 Ecuador 19045
- R || *Macodes cominsii* (Rolfe) Rolfe 14794  
 R 14793 Solomon Is. - South 14794
- R || *Macroclinium borjaense* Dodson 19045  
 R 19045 Ecuador 19045
- V || *Macroclinium cordesii* (L.O. Williams) Dodson 11274  
 V 9426 Costa Rica 9037  
 V 19577 Panama 9037
- R || *Macroclinium dalstroemii* Dodson 19045, 11274  
 R 19045 Ecuador 19045
- R || *Macroclinium hirtzii* Dodson 19045  
 R 19045 Ecuador 19045
- R || *Macroclinium paniculatum* (Ames & Schweinf.) Dodson 10034  
 R 10034 Costa Rica 10034  
 E/V 11967 Nicaragua 10034
- R || *Malaxis acianthoides* (Schltr.) Ames 9004  
 R 9004 Guatemala 9004
- V || *Malaxis bayardii* Fern. 20850  
 I 20850 U.S. - Connecticut 20850  
 E 20850 U.S. - Massachusetts 20850  
 I 20850 U.S. - New Jersey 20850  
 E 20850 U.S. - New York 20850  
 Ex/E 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - Pennsylvania 20850  
 I 20850 U.S. - Rhode Is. 20850  
 I 20850 U.S. - Virginia 20850
- I || *Malaxis boninensis* (Koidz.) Nackej. 8622  
 I 19134 Japan - Kazan Retto 8622  
 Ex 19134 Japan - Ogasawara-shoto 8622
- R || *Malaxis cuprea* (J.J. Smith) Bakh.f. 8309  
 R Indonesia - Java (West Java) 8309
- R || *Malaxis ehrenbergii* (Reichb.f.) Kuntze 11933  
 R 21204 Mexico - Jalisco 21204  
 R 21204 Mexico - Nayant 21204



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Malaxis*

- R** II *Malaxis fimbriata* Lavarack 20681  
**R** 20681 Australia - Queensland 20681
- R** II *Malaxis greenwoodiana* Salazar & M.A. Sota  
 Arenas 19850  
**R** 19850 Mexico 19850
- R** II *Malaxis hagsateri* Salazar 19850  
**R** 19850 Mexico 19850
- E** II *Malaxis hahajimensis* S. Kobayashi 8037  
**E** 19134 Japan - Ogasawara-shoto 8037
- V** II *Malaxis integra* (F. & R.) F. & R. 20883, 19890  
**V** 19890 Jamaica 20883
- I** II *Malaxis lancifolia* (Thwaites) Kuntze 8021  
**I** 16162 Sri Lanka (Ratnapura Dist., Kitulgala) 8021
- E** II *Malaxis lawleri* Lavarack & B.Gray 20681  
**E** 20681 Australia - Queensland 20681
- V** II *Malaxis lloensis* (Schltr.) Dodson 19045  
**V** 19045 Ecuador 19045
- I** II *Malaxis massonii* (Ridl.) Kuntze 10199  
**I** Dominica 10199
- R** II *Malaxis obovata* (J.J. Smith) Ames & C.  
 Schweinf. 8309  
**R** Indonesia - Java (West Java) 8309
- R** II *Malaxis padilliana* L.O. Williams 19575  
**R** 19575 Argentina 19575
- E** II *Malaxis pittieri* (Schltr.) Ames 20883, 9006  
**I** 20883 Panama 20883
- R** II *Malaxis pollardii* L.O. Williams 11363  
 ? Mexico - Jalisco 21204  
**R** 11933 Mexico - Oaxaca 11363
- R** II *Malaxis sagittata* (J.J. Smith) Ames 8309  
**R** Indonesia - Java (West Java) 8309
- V** II *Malaxis seychellarum* (Kraenzlin) Summerh. 14296  
**V** 19182 Seychelles (granitic) 14296
- R** II *Malaxis streptopetala* (H. Robinson & Greenman)  
 Ames 9423  
**R** 11933 Mexico 9423
- R** II *Malaxis tenggerensis* (J.J. Smith) Bakh.f. 8309  
**R** Indonesia - Java (east) 8309
- E** II *Malaxis woodsonii* L.O. Wms. 20883, 9006  
**I** 20883 Panama 20883
- E** II *Malleola andamanica* Balakr. & Bhargava 11494  
**E** 11494 India - Andaman Is. (Little & south Andamans) 11494
- I** II *Malleola kawakamii* (J.J. Smith) J.J. Sm. &  
 Schltr. 8309  
**I** Indonesia - Java (east) 8309
- I** II *Malleola undulata* (Ridley) J.J. Smith & Schltr.  
**I** Malaysia - Peninsular Malaysia (Perak)
- E** II *Masdevallia agaster* Luer 19045  
**E** 19045 Ecuador 19045
- E** II *Masdevallia amaluzae* Luer 19045  
**E** 19045 Ecuador 19045
- V** II *Masdevallia ampullacea* Luer & Andretta 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia andreottana* Luer 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia attenuata* Reichb.f. 9037  
**E** 9426 Costa Rica 9037
- V** 16317 Panama 9037
- R** II *Masdevallia buccinator* Reichb.f. & Warsc. 18089  
**R** 18089 Colombia 18089
- V** II *Masdevallia calura* Reichb.f. 10012  
**V** 9426 Costa Rica 10012
- E** II *Masdevallia carmenensis* Luer & Malo 19045  
**E** 19045 Ecuador 19045
- R** II *Masdevallia cerastes* Luer & R.Escobar 18089  
**R** 18089 Colombia 18089
- V** II *Masdevallia chaetostoma* Luer 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia collina* L.O. Wms. 20883, 9037  
**V** 16317 Panama 20883
- E** II *Masdevallia concinna* Koeniger 18200  
**E** 12468 Peru 18200
- V** II *Masdevallia cupularis* Reichb.f. 9037  
**V** 9426 Costa Rica 9037
- V** II *Masdevallia delphina* Luer 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia don-quijote* Luer & Andretta 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia dynastes* Luer 19045  
**V** 19045 Ecuador 19045
- R** II *Masdevallia empusa* Luer 19045  
**R** 19045 Ecuador 19045
- V** II *Masdevallia flaveola* Reichb.f. 9037  
**V** 9426 Costa Rica 9037
- E** II *Masdevallia fuchsii* Luer 18089  
**E** 20046 Peru 18089
- R** II *Masdevallia fugueroae* Luer 19045  
**R** 19045 Ecuador 19045
- R** II *Masdevallia gilbertoi* Luer & R.Escobar 18089  
**R** 18089 Colombia 18089
- R** II *Masdevallia graminea* Luer 19045  
**R** 19045 Ecuador 19045
- V** II *Masdevallia instar* Luer & Andretta 19045  
**V** 19045 Ecuador 19045
- E** II *Masdevallia iris* Luer & R.Escobar 18089  
**E** 18089 Venezuela 18089
- E** II *Masdevallia lamprotyria* Koniger 18089  
**E** 20046 Peru 18089
- Ex/E** II *Masdevallia lynchiphora* Koeniger 18200  
**Ex/E** 12468 Peru 18200
- R** II *Masdevallia marthae* Luer & R.Escobar 18089  
**R** 18089 Colombia 18089
- Ex** II *Masdevallia menatoi* Luer & Vasq 18089  
**Ex** 18089 Bolivia 18089
- R** II *Masdevallia mendozae* Luer 19045  
**R** 19045 Ecuador 19045
- V** II *Masdevallia norops* Luer & Andretta 19045  
**V** 19045 Ecuador 19045
- V** II *Masdevallia ova-avis* Luer 19045  
**V** 19045 Ecuador 19045
- E** II *Masdevallia panguiensis* Luer & Andretta 19045  
**E** 19045 Ecuador 19045
- E** II *Masdevallia patula* Luer & Malo 19045  
**E** 19045 Ecuador 19045
- E** II *Masdevallia pernix* Koniger 18089

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Masdevallia*

- E 18200 Peru 18200
- E || *Masdevallia pinocchio* Luer & Andretta 19045  
E 19045 Ecuador 19045
- V || *Masdevallia pleurothalloides* Luer 10015  
V 10020 Panama 10015
- E || *Masdevallia prosartema* Koeniger 18200  
E 18200 Peru 18200
- R || *Masdevallia purpurella* Luer & R.Escobar 18089  
R 18089 Colombia 18089
- V || *Masdevallia rafaetiana* Luer 17000  
V 18089 Costa Rica 17000
- V || *Masdevallia reichenbachiana* Endres ex Reichb.f. 9037  
V 9426 Costa Rica 9037
- V || *Masdevallia rolfeana* Kranzlin 9037  
V 9426 Costa Rica 9037
- R || *Masdevallia sanctae-inesae* Luer & Malo 19045  
R 19045 Ecuador 19045
- R || *Masdevallia scobina* Luer & R.Escobar 18089  
R 18089 Colombia 18089
- R || *Masdevallia securae* Luer & R.Escobar 18089  
R 18089 Colombia 18089
- R || *Masdevallia stenorhynchos* Kranzlin 18089  
R 18089 Colombia 18089
- V || *Masdevallia strobilii* Sweet & Garay 10010  
V 10010 Ecuador 10010
- I || *Masdevallia towarensis* Reichb.f. 6154  
I 6154 Venezuela 6154
- R || *Masdevallia urosalpinx* Luer 19045  
R 19045 Ecuador 19045
- E || *Masdevallia veitchiana* Reichb.f. 18089  
E 18089 Peru (Machu Picchu) 18089
- Ex/E || *Masdevallia walteri* Luer 17000  
Ex/E 17000 Costa Rica 17000
- R || *Maxillaria chacoensis* Dodson 19045  
R 19045 Ecuador 19045
- R || *Maxillaria gentryi* Dodson 19045, 11274  
R 19045 Ecuador 19045
- V || *Maxillaria grandis* Reichb.f. 18200  
V Ecuador 19437  
E 12482 Peru 18200
- R || *Maxillaria histrionica* (Reichb.f.) L.O. Williams 9423  
R 11933 Mexico 9423
- I || *Maxillaria inflexa* (Lindl.) Griseb. 10199  
I Dominica 10199  
E 19408 Dominican Republic 19408
- V || *Maxillaria jucunda* Lehm. & Krzl. 19045  
V 19045 Ecuador 19045
- V || *Maxillaria lehmannii* Reichb. f. 19045  
V 19045 Ecuador 19045
- V || *Maxillaria marmoliana* Dodson 19045  
V 19045 Ecuador 19045
- V || *Maxillaria molitor* Rehb.f. 19045, 16956  
V 19045 Ecuador 19045
- V || *Maxillaria mombachoensis* A.H. Heller ex Atwood 10034  
V 11967 Nicaragua 10034
- V || *Maxillaria oestlundiana* L.O. Williams 9423  
V 19850 Mexico 9423
- R || *Maxillaria perryae* Dodson 19045  
R 19045 Ecuador 19045
- E || *Maxillaria powellii* Schltr. 20883, 9006  
I 20883 Panama 20883
- V || *Maxillaria pseudoreichenheimiana* Dodson 19045  
V 19045 Ecuador 19045
- E || *Maxillaria swartziana* Adams 20883, 19890  
V 19890 Jamaica (St. Andrew, Portland) 20883
- E || *Megastylis latissima* (Schltr.) Schltr. 20893  
E 20893 New Caledonia 20893
- E || *Megastylis paradoxa* (Kranzlin) Halle 20893  
E 20893 New Caledonia 20893
- I || *Mesadenus portoricensis* Schlechter  
I 19002 Puerto Rico 8058
- V || *Mesoglossum londesboroughianum* (Reichb.f.) Halbinger 10047  
V 19850 Mexico 10047
- V || *Mexicoa ghiesbreghtiana* (Rich. & Galeotti) Garay 10011  
V 16360 Mexico 10011
- R || *Mexipedium xerophyticum* (Soto, Salazar & Hågsater) V.A. Al & M.W. Chase 21268  
R 21268 Mexico 21268
- V || *Microtis globula* R. Bates 20681  
V 20681 Australia - Western Australia 20681
- R || *Microtis pulchella* R.Br. 20681  
R 20681 Australia - Western Australia 20681
- V || *Miltoniopsis warszewiczii* (Reichb.f.) Garay & Dunsterv. 9037  
E 9426 Costa Rica 9037  
V 19577 Panama 9037
- Ex || *Monadenia ecalcarata* G.J. Lewis 20604  
Ex 20604 South Africa - Cape Province 20604
- V || *Monadenia macrostachya* Lindl. 20604  
V 20604 South Africa - Cape Province 20604
- E || *Monadenia physodes* (Sw.) Rehb.f. 20604  
E 20604 South Africa - Cape Province 20604
- R || *Monadenia sabulosa* (Bolus) Kraenzl. 20604  
R 20604 South Africa - Cape Province 20604
- V || *Mormodes andreetae* Dodson 19045  
V 19045 Ecuador 19045
- R || *Mormodes dayanum* Reichb.f. 9423  
R 16360 Mexico 9423
- V || *Mormodes hookeri* Lemaire 9037  
V 9426 Costa Rica 9037  
E 19577 Panama 9037
- V || *Mormodes lancilabris* Pabst 20883, 10035  
V 16317 Panama 20883
- R || *Mormodes luxata* Lindley 9423  
R 11933 Mexico 9423
- R || *Mormodes maculata* (Klotzsch) L.O. Williams 9423  
R 11933 Mexico 9423
- V || *Mormodes maculata* (Klotzsch) L.O. Williams var. *unicolor* (Hook.) L.O. Williams 9423  
V 16360 Mexico - Jalisco 9423
- R || *Mormodes nagelii* L.O. Williams 9423  
R 11336 Mexico 9423
- I || *Mormodes oceloteoides* Rosillo 11322  
I 11933 Mexico - Jalisco 11322

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Mormodes*

- I 11933 Mexico - Nayarit 11322
- I II *Mormodes pabstiana* Cardenas, Ramirez & Rosillo 11324  
I 11933 Mexico - Jalisco 11324
- I II *Mormodes pardalinata* Rosillo 9423  
I 11933 Mexico - Jalisco 9423
- V II *Mormodes porphyphlebia* Salazar 19848  
V 21185 Mexico - Oaxaca 21185
- I II *Mormodes ramirezii* Rosillo 11938  
I 11938 Mexico - Jalisco 21204
- I II *Mormodes saccata* Rosillo 11325  
I 11933 Mexico - Jalisco 11325
- I II *Mormodes sanguineoclaustra* Fowlie 19850  
I 19850 Mexico 19850
- R II *Mormodes sotoana* Salazar 19850  
R 21190 Guatemala 21190  
R 21190 Mexico - Chiapas 21190
- R II *Mormodes tezontle* Rosillo 11938  
R 16360 Mexico - Jalisco 11938
- R II *Mormodes tuxtliensis* Salazar 12781  
R 12781 Mexico - Veracruz 12781
- E II *Mormodes uncia* Reichb.f. 19848  
E 19848 Mexico 19848
- R II *Mormodes vernixoidea* 17203  
R 17203 Suriname 17203
- R II *Neobolusia stolzii* Schltr. var. *glabripetala* Summerh. 7879  
R Zimbabwe 7879
- E II *Neocogniauxia monophylla* (Griseb.) Schltr. 20883, 19890  
R 19890 Jamaica (St. Andrew, Portland) 20883
- V II *Neofinetia falcata* (Thunb.) Hu 8751  
E 15923 Korea, South 7588  
V Japan 8751
- R II *Neomoorea irrorata* Rolfe 9006  
R 10020 Panama 9006  
R 9006 Colombia 9006
- I II *Neottia kashmiriana* (Duthie) P. Beauv.  
I India - Jammu & Kashmir
- Ex/E II *Neottia ussuriensis* (Komarov & Nevski) Soo 5942  
Ex/E 5942 Russia (Far East) - Primorye (south) 5942
- I II *Nervilia biflora* (Roxb.) Schltr.  
I India - Kerala (Malabar, Wynaad) 4988
- E II *Nervilia jacksoniae* Rinehart & Fosberg 20819  
E 20819 North Mariana Is. (Rota) 20819  
E 20819 U.S. - Guam 20819
- I II *Nervilia mackinnonii* (Duthie) Schltr.  
I India - Uttar Pradesh (Mussoorie; Kumaun)
- R II *Nervilia nipponica* Makino 11164  
R 11164 Japan 11164
- R II *Neuwiedia annamensis* Gagnepain 6057  
R Vietnam 6057
- R II *Neuwiedia balsanae* Baillon & Gagnepain 6057  
R Vietnam 6057
- R II *Neuwiedia javanica* J.J. Smith 8309  
R Indonesia - Java (West Java) 8309
- R II *Nigritella lithopolitanica* Ravnik 13662  
R 20757 Austria (Kärnten) 20757  
R 13662 Slovenia 13662
- V II *Notylia lankesteri* Ames 9037  
V 9426 Costa Rica 9037  
V 19577 Panama 10012
- E II *Notylia latilabia* A. & S. 20883, 9006  
I 20883 Panama 20883
- R II *Oberonia acarus* Evrard & Gagnepain 6057  
R Vietnam 6057
- Ex II *Oberonia attenuata* Dockr. 20681  
Ex 20681 Australia - Queensland 20681
- I II *Oberonia calcicola* Holttum  
I Malaysia - Peninsular Malaysia (Langkawi, Kedah)
- R II *Oberonia carnosus* Lavarack 20681  
R 20681 Australia - Queensland 20681
- R II *Oberonia caudata* King & Prantl  
R Malaysia - Peninsular Malaysia (Perak)
- I II *Oberonia claviloba* Jayaw. 8021  
I 16162 Sri Lanka 8021
- I II *Oberonia dolabrata* Jayaw. 8021  
I 16162 Sri Lanka (Corbet's Gap, Kandy) 8021
- E II *Oberonia flabellata* Holtt. 19209  
E Malaysia - Peninsular Malaysia (Johor) 19209  
E Singapore
- R II *Oberonia flava* Ridley  
R Malaysia - Peninsular Malaysia
- I II *Oberonia forcipata* Lindley 8021  
I 16162 Sri Lanka 8021
- I II *Oberonia fornicata* Jayaw. 8021  
I 16162 Sri Lanka (Rangala, Kandy District) 8021
- R II *Oberonia langbianensis* Gagnepain 6057  
R Vietnam 6057
- R II *Oberonia microphylla* (Blume) Lindley 8309  
R Indonesia - Java 8309
- I II *Oberonia quadrilatera* Jayaw. 8021  
I 16162 Sri Lanka (Hunnasgiriya, Doluwa Kanda) 8021
- I II *Oberonia scyllae* Lindley 8021  
I 16162 Sri Lanka 8021
- E II *Oberonia titania* Lindley 10604  
E 19108 Australia - Norfolk Is. 10604
- R II *Oberonia transversiloba* Holttum  
R Malaysia - Peninsular Malaysia (Pahang)
- I II *Oberonia variabilis* Kerr 11164  
I 11164 Japan 11164
- I II *Oberonia wallie-silvae* Jayaw. 8021  
I 16162 Sri Lanka (Rangala, Kandy District) 8021
- I II *Oberonia weragamaensis* Jayaw. 8021  
I 16162 Sri Lanka (Weragama, Ratnapura Dist.) 8021
- V II *Odontochilus hatuisimanus* Ohwi & T. Koyama 11164  
V 11164 Japan 11164
- R II *Odontoglossum epidendroides* Kunth 18200  
R Ecuador  
R 18200 Peru 18200
- V II *Odontoglossum funis* (Lehm. & Krzl.) Garay 19045  
V 19045 Ecuador 19045
- V II *Odontoglossum hallii* Lindl. 19045  
V 19045 Ecuador 19045

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Odontoglossum*

- V II *Odontoglossum longipes* Rchb.f. & Warsc. 19045  
V 19045 Ecuador 19045
- Ex/E II *Oeceoclades seychellarum* (Summerh.) Garay & P. Taylor 14296  
Ex/E Seychelles (Mahé) 14296
- E II *Oeonietta aphrodite* (Balf. f. & S. Moore) Schltr. 5852  
E 20771 Réunion 5852  
E 20771 Mauritius (mainland & Aigrettes Is.) 5852  
E 5852 Mauritius - Rodrigues (Grande Mt., Mt Ciemtière) 5852  
E Seychelles 14296
- V II *Oliveriana ecuadorensis* Dodson 19045  
V 19045 Ecuador 19045
- E II *Oncidium angustisepalum* Kranzlin 9037  
E 9426 Costa Rica 9037
- R II *Oncidium calochilum* Cogn. 19712  
I 19712 Cayman Is. (Grand Cayman) 19434  
R 19712 Cuba 19434  
E 19408 Dominican Republic 19408  
I 19712 Haiti 19434
- E II *Oncidium caymanense* Moir 19712  
E 19434 Cayman Is. (Grand Cayman) 19434
- V II *Oncidium chelidonizon* Kranzlin 9037  
V 9426 Costa Rica 9037
- V II *Oncidium costaricense* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Oncidium dichromaticum* Reichb.f. 9037  
V 9426 Costa Rica 9037
- R II *Oncidium flavovirens* L.O. Williams 9423  
R 11933 Mexico 9423
- V II *Oncidium floridanum* Ames 20883, 20850, 19002  
E 20850 U.S. - Florida 20850  
I 20883 Bahamas 20883
- E II *Oncidium gauntlettii* Withner & Jesup 20883, 19890  
E 19890 Jamaica (Westmoreland, Hanover) 20883
- R II *Oncidium karwinskii* (Lindley) Dressler & L.O. Williams 10011  
R 11933 Mexico 10011
- E II *Oncidium loxense* Lindley 19045  
E 19045 Ecuador 19045
- V II *Oncidium margalefii* Hágsater 18110  
V 18110 Mexico - Guerrero 18110  
V 18110 Mexico - Oaxaca 18110
- V II *Oncidium monachicum* Rchb.f. 19045  
V 19045 Ecuador 19045
- I II *Oncidium oestlundianum* L.O. Williams 9423  
I 11119 Mexico - Jalisco 9423  
I 11119 Mexico - Morelos 9423  
I 11119 Mexico - Nayarit 9423
- R II *Oncidium panduriforme* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037  
R 19577 Panama 9006
- I II *Oncidium papilio* Lindley 6154  
I 6154 Venezuela 6154
- V II *Oncidium pastasae* Rchb.f. 19045  
V 19045 Ecuador 19045
- V II *Oncidium phalaenopsis* Lindley 19045  
V 19045 Ecuador 19045
- R II *Oncidium pollardii* Dodson & Hágsater 11354  
R 19850 Mexico - Oaxaca 11354
- V II *Oncidium reichenheimii* (Linden & Reichb.f.) Garay & Stacy 10012  
E 9426 Costa Rica 10012  
V 10007 Mexico 10012
- V II *Oncidium sclerophyllum* Kranzlin 9037  
V 9426 Costa Rica 9037
- R II *Oncidium stelligerum* Reichb.f. 9114  
R 9004 Guatemala 9004  
R 19850 Mexico 9114
- V II *Oncidium storkii* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- V II *Oncidium stramineum* Bateman ex Lindley 9423  
V 16360 Mexico - Veracruz 9423
- V II *Oncidium tetrapetalum* (Jacq.) Willd. 19890  
V 19890 Jamaica 19221
- V II *Oncidium tetraskelidion* Kranzlin 9037  
V 9426 Costa Rica 9037
- V II *Oncidium tigrinum* Llave & Lex. 9423  
V 10007 Mexico 9423
- R II *Oncidium toachicum* Dodson 19045  
R 19045 Ecuador 19045
- E II *Oncidium triquetrum* (Sw.) R. Br. 20883, 19890  
E 19890 Jamaica (west & central) 20883
- V II *Oncidium turialbae* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Oncidium umbonatum* Rchb.f. 19045  
V 19045 Ecuador 19045
- V II *Oncidium unguiculatum* Lindley 11933  
V 16360 Mexico 11933
- E II *Oncidium usneoides* Lindley 5607  
E 19105 Cuba (Guantanamo) 5607
- V II *Oncidium variegatum* (Sw.) Willd. 20883, 20850, 19002  
I 20850 U.S. - Florida 20850  
? Islands of the Caribbean (Greater Antilles) 19434  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R II *Ophrys aesculapii* Renz 20171  
R Greece
- V II *Ophrys argolica* Fleischm. ssp. *elegans* (Renz) Erich Nelson 14230  
V 19164 Cyprus 14230  
E 19873 Turkey 14230
- V II *Ophrys aveyronensis* (J.J. Wood) Delforge 20528  
V 20528 France (south) 20528
- E II *Ophrys bommuelleri* M. Schulze ex Bornm. ssp. *carduchorum* Renz & Taub. 12840  
E 12840 Turkey 12840
- I II *Ophrys caucasica* Woronow ex Grossh. 5942, 20627  
I 5942 Russia - North Caucasus 5942  
I 5942 Armenia 5942  
I 5942 Azerbaijan 5942
- R II *Ophrys gottfriediana* Renz 20171  
R Greece
- E II *Ophrys holoserica* (Burnm. f.) Greuter ssp. *heterochila* Renz & Taub. 12840  
E 12840 Turkey 12840
- I II *Ophrys holosericea* Greut. ssp. *holubyana* (Andrasovszky) Dostál 8000

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Ophrys*

- I 19321 Slovakia 19321
- E II *Ophrys isaura* Renz & Taub. 12840  
E 12840 Turkey 12840
- V II *Ophrys kotschyi* Fleischm. & Soo 14230  
V 19164 Cyprus 14230
- V II *Ophrys lunulata* Parl. 8000, 20171  
Ex Italy - Sardinia 17781  
V 18264 Italy - Sicily 17781  
Ex 17781 Malta 17781
- E II *Ophrys lycia* Renz & Taub. 12840  
E 12840 Turkey 12840
- I II *Ophrys oestrifera* M.Bieb. 5942, 20171  
I 5942 Russia - North Caucasus 5942  
I 5942 Armenia 5942  
I 5942 Azerbaijan 5942  
I 5942 Georgia 5942  
I 5942 Ukraine - Crimea (south) 5942
- E II *Ophrys phrygia* Fleischm. & Bornm. 12840  
E 19873 Turkey 12840
- E II *Ophrys reinholdii* Spruner ex Fleischm. ssp. *leucotaenia* Renz & Taub. 12840  
E 12840 Turkey 12840
- R II *Ophrys sphegodes* Mill. ssp. *helenae* (Renz) D.M. Moore 20171  
R Greece
- V II *Ophrys splendida* Golz & Reinhard 17457, 20528  
V 20528 France (south) 20528
- R II *Ophrys transhyrcana* Czernjak. ssp. *amanensis* (Nelson) Renz & Taub. 12840  
R 12840 Turkey 12840
- R II *Orchis albanica* Goelz et Reinhard 20178  
R 20178 Albania 20178
- V II *Orchis canariensis* Lindl.  
V Spain - Canary Is.
- V II *Orchis chidori* (Makino) Schltr. var. *curtipes* (Ohwi) Ohwi 11164  
V 11164 Japan 11164
- V II *Orchis cyrenaica* E. Dur. & G. Barratte  
V Libya
- I II *Orchis fedtschenkoi* Czerniak. 5942  
I 5942 Turkmenistan 5942
- E II *Orchis graminifolia* (Reichb.f.) Tang & Wang var. *kurokamiana* (Ohwi & Hatus.) Ohwi 11164  
E 11164 Japan 11164
- E II *Orchis graminifolia* (Reichb.f.) Tang & Wang var. *suzukiana* Ohwi 11164  
E 11164 Japan 11164
- E II *Orchis scopulorum* Summerh. 17781  
E Portugal - Madeira 17891
- V II *Orchis spitzelii* Saut. ex W.D.J. Koch ssp. *nitidifolia* (Teschner) Soo 20171  
V 20731 Greece - Crete 20731
- I II *Oreorchis indica* (Lindley) Hook.f.  
I India - Himachal Pradesh (Simla)  
I India - Uttar Pradesh (Garhwal; Kumaun)
- I II *Oreorchis rolfei* Duthie 11494  
I India - Uttar Pradesh
- V II *Ornithocephalus bryostachyus* Schltr. 19045  
V 19045 Ecuador 19045
- V II *Ornithocephalus cochleariformis* C. Schweinf. 20883, 9006  
V 16317 Panama 20883
- V II *Ornithocephalus falcatus* Foché 19045  
V 19045 Ecuador 19045
- R II *Ornithocephalus iridifolius* Reichb.f. 9004  
R 9004 Guatemala 9004  
V 10007 Mexico 9004
- I II *Pachites appressa* Lindl. 20604  
I 20604 South Africa - Cape Province 20604
- R II *Pachites bodkini* Bolus 10260, 20604  
R 20604 South Africa - Cape Province 20604
- R II *Pachyphyllum costaricense* (Ames & Schweinf.) L.O. Williams 10012  
R 9426 Costa Rica 10012
- R II *Pachyphyllum mexacanum* Dressler & Hagsater 19850  
R 19850 Mexico 19850
- E II *Palmorchis powellii* (Ames) Schweinf. & Corr. 20883, 9006  
R 18265 Costa Rica (La Selva) 11571  
R 10020 Panama 20883  
R 18265 Colombia (Bahia Solano) 18265
- V II *Palmorchis trilobulata* L.O. Wms. 20883, 9006  
R 9426 Costa Rica 10012  
V 20883 Panama 20883
- V II *Paphinia herrerae* Dodson 19045  
V 19045 Ecuador 19045
- E I *Paphiopedilum armeniacum* S.C. Chen & F.Y. Liu 15918  
E China - Yunnan (south) 15918
- V I *Paphiopedilum barbigerum* Tang & Wang 15918  
V 20756 China - Guangxi 20756  
V 20756 China - Guizhou 20756
- V I *Paphiopedilum bougainvilleanum* Fowlie 14794  
V 14793 Papua New Guinea (wet montane forest, 1100-1850 m.) 14794
- R I *Paphiopedilum charlesworthii* (Rolfe) Pfitz. 15918  
R Myanmar (Shan States only) 15918
- E I *Paphiopedilum dayanum* (Lindl.) Stein 15918  
E Malaysia - Sabah (Mt Kinabalu)
- Ex/E I *Paphiopedilum delenatii* Guillaumin 6057  
Ex/E 19695 Vietnam 6057
- E I *Paphiopedilum druryi* (Beddome) Stein 11494  
E 4988 India - Kerala (Travancore & Kalakkad Hills) 11494
- R I *Paphiopedilum emersonii* Koopowitz & Cribb 15918  
R 15918 China - Guizhou 15918
- E I *Paphiopedilum exul* (Ridley) Rolfe 15918  
E Thailand (peninsular Thailand) 15918
- E I *Paphiopedilum fairrieianum* (Lindley) Stein 11494  
E 11494 Bhutan (Chumbi) 11494  
E 11494 India - Arunachal Pradesh 11494  
E 11494 India - Sikkim 11494
- E I *Paphiopedilum glaucophyllum* J.J. Smith 15918  
E 15918 Indonesia - Java (east) 15918
- R I *Paphiopedilum godefroyae* (Godef.-Leb.) Stein 15918  
I Thailand 15918  
R Vietnam
- R I *Paphiopedilum hirsutissimum* (Lindley & Hook.) Stein 4300  
R 14782 India 14782  
I India - Manipur 4300  
I 20985 Vietnam 20985

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Paphiopedilum*

- E** 1 *Paphiopedilum javanicum* Pfltz. var. *virens* 14908  
**E** 14908 Malaysia - Sabah (Mt Kinabalu and the Crocker Range) 14908
- I** 1 *Paphiopedilum kalopakingii* Fowlie 15918  
**I** Indonesia - Kalimantan
- V** 1 *Paphiopedilum liemianum* (Fowlie) Karasawa & Saito 15918  
**V** Indonesia - Sumatra (northern) 15198
- E** 1 *Paphiopedilum malipoense* S.C. Chen & Tsi 9157  
**E** 20756 China - Yunnan 9157
- R** 1 *Paphiopedilum mastersianum* (Reichb. f.) Stein 15918  
**R** Indonesia - Moluccas
- E** 1 *Paphiopedilum micranthum* Tang & Wang 15918  
**E** 20756 China - Yunnan (south) 20756
- I** 1 *Paphiopedilum niveum* (Reichb. f.) Stein 15918  
**I** Thailand (south) 15918  
**I** Indonesia - Kalimantan  
**I** 15961 Malaysia - Peninsular Malaysia 15961
- I** 1 *Paphiopedilum philippinense* (Reichb. f.) Stein 15918  
**E** 14068 Malaysia - Sabah 8941  
**I** Philippines
- R** 1 *Paphiopedilum philippinense* (Reichb. f.) Stein var. *roebelenii* (Veitch) Cribb 15918  
**R** 15918 Philippines (Luzon) 15918
- I** 1 *Paphiopedilum primulinum* M. Wood & Taylor 15918  
**I** Indonesia - Sumatra (north) 15918
- I** 1 *Paphiopedilum randsii* Fowlie 15918  
**I** 15918 Philippines (Mindanao) 15918
- E** 1 *Paphiopedilum rothschildianum* (Reichb. f.) Stein 15918  
**E** 14068 Malaysia - Sabah (Mt Kinabalu) 14068
- E** 1 *Paphiopedilum sanderianum* (Reichb. f.) Stein 15918  
**E** 14068 Malaysia - Sarawak 14068
- E** 1 *Paphiopedilum stonei* (Hook. f.) Stein 15918  
**E** 14068 Malaysia - Sarawak 14068
- I** 1 *Paphiopedilum sukhalulii* Schoser & Senghas 15918  
**I** Thailand (Phu Luang)
- I** 1 *Paphiopedilum superbiens* (Reichb. f.) Stein 15918  
**I** Indonesia - Sumatra (north and central) 15918
- E** 1 *Paphiopedilum tonsum* (Reichb. f.) Stein 15918  
**E** Indonesia - Sumatra 15918
- V** 1 *Paphiopedilum victoria-regina* (Sander) M. Wood 15918  
**V** Indonesia - Sumatra
- R** 1 *Paphiopedilum wardii* Summerh. 11494  
**E** 11494 India - Arunachal Pradesh 11494  
**R** Myanmar
- V** 1 *Paphiopedilum wentworthianum* Schoser & Fowlie 14794  
**V** 14793 PNG - Bougainville (N. Solomon Is.) 14794  
**V** 14793 Solomon Is. - South (central Guadalcanal) 14794
- R** 11 *Paperitzia leiboldii* Reichb.f. 11938  
**R** 19850 Mexico - Oaxaca 11938
- E** 11 *Paracaleana dixonii* Hopper & A.P. Brown ms. 20681  
**E** 20681 Australia - Western Australia 20681
- E** 11 *Paraphalaenopsis labukensis* Shim, Lamb & Chan 19215  
**E** 14068 Malaysia - Sabah 14068
- E** 11 *Paraphalaenopsis laycockii* (M.R. Henderson) A. Hawkes 19215  
**E** 19215 Indonesia - Kalimantan 19215
- V** 11 *Paraphalaenopsis serpentilingua* (J.J. Smith) A. Hawkes 19047  
**V** 19047 Indonesia - Kalimantan 19047
- R** 11 *Pedilochilus hermonii* Cribb & B. Lewis 14795  
**R** 14795 Vanuatu (Anatom & Espiritu Santo) 14795
- I** 1 *Peristeria elata* Hooker 9037  
**V** 9426 Costa Rica 9037  
**I** 10359 El Salvador 10747  
**I** 10020 Panama 9037  
**I** 2790 Colombia 9037  
**I** 2790 Venezuela 9037
- R** 11 *Peristylus banfieldii* (Bailey) Lavarack 20681  
**R** 20681 Australia - Queensland 20681
- I** 11 *Peristylus brachyphyllus* A. Rich.  
**I** India - Karnataka 4988  
**I** India - Tamil Nadu (Nilagiri Hills) 4988
- R** 11 *Peristylus langbianensis* (Gagnepain) Tang & Wang 6057  
**R** Vietnam 6057
- V** 11 *Peristylus minimiflorus* (Kranzlin) Halle 20893  
**V** 20893 New Caledonia 20893
- I** 11 *Peristylus secundus* (Lindley) Rathakr.  
**I** India - Karnataka 4988  
**I** India - Kerala 4988  
**I** India - Tamil Nadu 4988
- R** 11 *Peristylus stenodontus* (Reichb. f.) Renz & Vodonaivalu 14795  
**R** 14795 Vanuatu (Anatom & Vanua Lava) 14795
- R** 11 *Peristylus wheatleyi* Cribb & B. Lewis 14795  
**R** 14795 Vanuatu 14795
- E** 11 *Pescatoria costaricensis* Schltr. 9037  
**E** 9426 Costa Rica 9037
- V** 11 *Phaius australis* F. Muell. 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- E** 11 *Phaius bernaysii* Rowland ex H.G. Reichb. 20681  
**E** 20681 Australia - Queensland 20681
- I** 11 *Phaius epiphyticus* Seidenf. 19120  
**I** 19120 Thailand 19120
- V** 11 *Phaius longibracteatus* Frapp. 10082  
**V** 10082 Réunion 10082  
**V** 20771 Mauritius 10082
- I** 11 *Phaius mishmensis* Reichb.f. 4300  
**I** India - Assam (Upper Assam) 4300  
**I** India - Meghalaya 4300  
**I** India - Sikkim 4300
- E** 11 *Phaius villosus* Rchb.f. 10082  
**E** 20771 Mauritius 10082
- R** 11 *Phalaenopsis amboinensis* J.J. Smith  
**R** Indonesia - Moluccas  
**R** Indonesia - Sulawesi  
**V** 19047 Malaysia 19047
- V** 11 *Phalaenopsis appendiculata* Carr 19047  
**V** 19047 Malaysia - Peninsular Malaysia 19047
- E** 11 *Phalaenopsis cochlearis* Holttum  
**E** 14068 Malaysia - Sarawak 14068
- V** 11 *Phalaenopsis deliciosa* 19047  
**V** 19047 Indonesia - Java 19047
- E** 11 *Phalaenopsis fimbriata* J.J. Smith 19047  
**E** 19047 Indonesia - Java 19047

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Phalaenopsis*

- I Indonesia - Sumatra
- V || *Phalaenopsis javanica* J.J. Smith 19047  
V 19047 Indonesia - Java 19047
- V || *Phalaenopsis laycockii* 19047  
V 19047 Indonesia - Kalimantan 19047
- V || *Phalaenopsis modesta* J.J. Smith 19215  
V 14068 Malaysia - Sabah 14068
- V || *Phalaenopsis schilleriana* Reichb.f. 19047  
V 19047 Philippines 19047
- E || *Phalaenopsis speciosa* Reichb.f. var. *speciosa* 5231  
E India - Andaman Is. 5231  
E India - Nicobar Is. 5231
- V || *Phalaenopsis stuartiana* Reichb.f. 19047  
V 19047 Philippines 19047
- I || *Phalaenopsis thalebanii* Seidenf. 19120  
I 19120 Thailand 19120
- I || *Pholidota aidiolepis* Seidenf. et de Vogel 19120  
I 19120 Thailand 19120
- I || *Pholidota calceata* Reichb.f.  
I India - Meghalaya (Khasi hills)
- R || *Pholidota cantonensis* Rolfe 19924  
R 19924 Hong Kong 19924
- I || *Pholidota grandiflora* Seidenf. 19120  
I 19120 Thailand 19120
- I || *Pholidota scaposa* Seidenf. 19120  
I 19120 Thailand 19120
- R || *Pholidota wattii* King & Pantl. 11494  
R 11494 India - Arunachal Pradesh (Subansiri) 11494  
R 11494 India - Assam (North Cachar) 11494
- V | *Phragmipedium besseae* Dodson & Kuhn. 18200  
V 19045 Ecuador 19045  
Ex/E 18200 Peru 18200
- V | *Phragmipedium czerwiakowianum* (Reichb.f.) Rolfe 18200  
V 12468 Peru 18200
- E | *Phragmipedium exstaminodium* Castaño, Hågsater, & Aguirre 12788  
E 11336 Mexico - Chiapas 12788
- R | *Phragmipedium lindleyanum* (Schomb. ex Lindley) Rolfe 18176  
R 21264 Brazil 21264  
R 19954 French Guiana 18176  
R 21264 Guyana 18176  
? Suriname 18176  
R 21264 Venezuela 21264
- R || *Phreatia evrardii* Gagnepain 6057  
R Vietnam 6057
- E || *Phreatia limenophylax* (Endl.) Benth. 19108  
E 19108 Australia - Norfolk Is. 14288
- R || *Phreatia listeri* Rolfe 881  
R 14224 Australia - Christmas Is. 881
- V || *Phreatia thompsonii* Ames  
V 18338 U.S. - Guam (Larmlam) 18338
- E || *Physinga polygonata* (Lindl.) H. Dietrich 11840  
E Cuba (Guantanamo) 11840
- R || *Physoceras boryanum* (A.Rich.) Posser 10082  
R 10082 Réunion 10082  
Ex 20771 Mauritius 10082
- R || *Physogyne gonzalezii* (L.O. Williams) Burns-Balogh 21198  
R 11338 Mexico 11338
- E || *Piperia yadonii* Morgan & Ackerman 20850  
E 20850 U.S. - California 20850
- R || *Platanthera amabilis* Koidz. 11164  
R 11164 Japan 11164
- R || *Platanthera boninensis* Koidz. 8038  
R 19134 Japan - Ogasawara-shoto 8038
- R || *Platanthera brevicarata* Hayata ssp. *yakumontana* (Masam.) Masam. 11164  
R 11164 Japan 11164
- E || *Platanthera holochila* (Hbd.) Kraenzlin 20850, 14209  
E 20850 U.S. - Hawaii 20850
- V || *Platanthera integrilabia* (Correll) Luer 20850  
V 20850 U.S. - Alabama 20850  
E 20850 U.S. - Georgia 20850  
E 20850 U.S. - Kentucky 20850  
I 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Mississippi 20850  
Ex 20850 U.S. - North Carolina 20850  
E 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850  
I 20850 U.S. - Virginia 20850
- V || *Platanthera leucophaea* (Nutt.) Lindl. 20850, 14352  
V 20850 Canada - Ontario 20850  
E 20850 U.S. - Illinois 20850  
Ex 20850 U.S. - Indiana 20850  
E 20850 U.S. - Iowa 20850  
I 20850 U.S. - Louisiana 20850  
E 20850 U.S. - Maine 20850  
E 20850 U.S. - Michigan 20850  
Ex 20850 U.S. - Missouri 20850  
Ex/E 20850 U.S. - Nebraska 20850  
Ex 20850 U.S. - New Jersey 20850  
Ex/E 20850 U.S. - New York 20850  
V 20850 U.S. - Ohio 20850  
Ex 20850 U.S. - Oklahoma 20850  
Ex 20850 U.S. - Pennsylvania 20850  
E 20850 U.S. - Virginia 20850  
E 20850 U.S. - Wisconsin 20850
- R || *Platanthera mandarinorum* Reichf. var. *hachijoensis* (Honda) Murata 11164  
R 11164 Japan 11164
- R || *Platanthera mandarinorum* Reichf. var. *masamunei* (Honda) K. Inoue 11164  
R 11164 Japan 11164
- V || *Platanthera micrantha* (Hochst.) Schltr. 20171  
V Portugal - Azores
- R || *Platanthera okoubou* Makino 11164  
R 11164 Japan 11164
- V || *Platanthera praecleara* Sheviak & Bowles 20850, 13967  
I 20850 Canada - Manitoba 20850  
V 20850 U.S. - Iowa 20850  
E 20850 U.S. - Kansas 20850  
E 20850 U.S. - Minnesota 20850  
E 20850 U.S. - Missouri 20850  
E 20850 U.S. - Nebraska 20850  
V 20850 U.S. - North Dakota 20850  
E 20850 U.S. - Oklahoma 20850  
Ex/E 20850 U.S. - South Dakota 20850
- R || *Platanthera sparsiflora* (S. Wats.) Schlechter var. *ensifolia* (Rydb.) Luer 20850  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Colorado 20850  
I 20850 U.S. - Nevada 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Platanthera*

- R II *Platanthera uzenensis* (Ohwi) F. Maek. 11164  
R 11164 Japan 11164
- V II *Platanthera zothecina* (Higgins & Welsh) Kartesz & Gandhi 20850  
I 20850 U.S. - Arizona 20850  
E 20850 U.S. - Colorado 20850  
V 20850 U.S. - Utah 20850
- I II *Platycoryne affinis* Summerh. 7877  
I Zimbabwe 7877
- V II *Platylottis coriacea* L.O. Wms. 20883, 9006  
V 16317 Panama 20883
- E II *Platylepis sechellarum* S. Moore 14296  
E 14981 Seychelles (Mahé, Silhouette) 14296
- R II *Platystele acicularis* Luer & Hirtz 14291  
R 19045 Ecuador 19045
- R II *Platystele crinita* Luer & Hirtz 21293  
R 19045 Ecuador 19045
- R II *Platystele enervis* Luer 21293  
R 19045 Ecuador 19045
- R II *Platystele hirtzii* Luer 21293  
R 19045 Ecuador 19045
- R II *Platystele jesupiorum* Luer 21293  
R 19045 Ecuador 19045
- R II *Platystele napintzae* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- R II *Platystele perpusilla* (Reichb.f.) Garay 14291  
R 14291 Costa Rica 14291  
R 14291 Panama 14291
- R II *Platystele psix* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- V II *Platystele pubescens* Luer 21293  
V 19045 Ecuador 19045
- R II *Platystele sulcata* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- R II *Platystele vetulus* Luer & Hirtz 21293  
R 19045 Ecuador 19045
- R II *Plectorrhiza erecta* (Fitzg.) Dockr. 14223  
R 14223 Australia - NSW - Lord Howe Is. 14223
- R II *Pleione formosana* Hayata 20511  
R 20511 Taiwan 20511
- Ex II *Pleione lagenaria* Lindley 11494  
Ex 11494 India - Meghalaya (Khasi hills) 11494
- V II *Pleurothallis acanthodes* Luer 19045  
V 19054 Ecuador 19045
- R II *Pleurothallis alpestris* (Sw.) Lindl. 20883, 19890  
V 19890 Jamaica 20883
- V II *Pleurothallis annectens* Luer 10008  
V 16317 Panama 10008
- E II *Pleurothallis antonensis* L.O. Wms. 20883, 9006  
V 18110 Mexico - Chiapas 18110  
V 18110 Mexico - Veracruz 18110  
I 20883 Panama 20883
- E II *Pleurothallis archicolonae* Luer 20883, 10008  
I 20883 Panama 20883
- R II *Pleurothallis aspergillum* Luer & Hirtz 21293  
R 19045 Ecuador 19045
- R II *Pleurothallis atacasana* Luer 19045  
R 19045 Ecuador 19045
- I II *Pleurothallis brachyglottis* Reichb. f. 5607  
I 19105 Cuba (Guantanamo) 5607
- E II *Pleurothallis cactantha* Luer 20883, 10008  
I 20883 Panama 20883
- E II *Pleurothallis campicola* Luer 20883, 10747  
I 20883 Panama 20883
- I II *Pleurothallis cardiophyllax* Reichb. f. 19352  
I 19352 Colombia 19352
- E II *Pleurothallis caymanensis* C.D. Adams 19712  
E 19434 Cayman Is. (Grand Cayman) 19434
- V II *Pleurothallis cernua* Luer 19045  
V 19045 Ecuador 19045
- V II *Pleurothallis chontalensis* A.H. Heller & A. Hawkes 10017  
V 11967 Nicaragua 10017
- V II *Pleurothallis citrophila* Luer 20883, 10008  
V 16317 Panama 20883
- V II *Pleurothallis cobraeformis* L.O. Wms. 20883, 9006  
V 16317 Panama 20883
- R II *Pleurothallis condorensis* Luer & Hirtz 21293  
R 19045 Ecuador 19045
- V II *Pleurothallis cypripedioides* Luer 19045  
V 19045 Ecuador 19045
- R II *Pleurothallis delicatula* Lindl. 20883, 19890  
V 19890 Jamaica 20883
- R II *Pleurothallis dibolia* Luer 19045  
R 19045 Ecuador 19045
- V II *Pleurothallis dodsonii* Luer 19045  
V 19045 Ecuador 19045
- E II *Pleurothallis dressleri* Luer 20883, 10008  
I 20883 Panama 20883
- R II *Pleurothallis echinocarpa* C. Schweinf. 21294  
R 21294 Ecuador 21294
- E II *Pleurothallis ellipsophylla* L.O. Wms. 20883, 9006  
R 11994 Costa Rica 11994  
I 20883 Panama 20883
- R II *Pleurothallis ensata* Luer 19045  
R 19045 Ecuador 19045
- V II *Pleurothallis eximia* L.O. Williams 9423  
V 19850 Mexico 9423
- E II *Pleurothallis guttata* Luer 20883, 10008  
I 20883 Panama 20883
- E II *Pleurothallis harpago* Luer 20883, 10747  
I 20883 Panama 20883
- I II *Pleurothallis helenaef* F. & R. 19890  
I 19408 Dominican Republic 19408  
V 19890 Haiti (north west) 19890  
V 19890 Jamaica 19221
- R II *Pleurothallis hintonii* L.O. Williams 9423  
R 19850 Mexico 9423
- V II *Pleurothallis hirsutula* F. & R. 20883, 19890  
V 19890 Jamaica (central) 20883
- E II *Pleurothallis hymenantha* Lindley 5607  
E 19105 Cuba (Santiago de Cuba) 5607
- E II *Pleurothallis imago* Luer 20883, 10008  
I 20883 Panama 20883
- E II *Pleurothallis isthmica* Luer 20883  
I 20883 Panama 20883
- R II *Pleurothallis jalapensis* (Kranzlin) Luer 21267  
R Guatemala



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Pleurothallis*

- R Mexico - Chiapas
- E II *Pleurothallis jamaicensis* Rolfe 20883, 19890  
I 19890 Jamaica 20883
- R II *Pleurothallis lacera* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis laxa* (Sw.) Lindl. 20883, 19408  
E 19408 Dominican Republic 19408  
E 20883 Jamaica 20883
- E II *Pleurothallis macrantha* L.O. Wms. 20883, 9006  
I 20883 Panama 20883
- E II *Pleurothallis mammillata* Luer 20883, 10008  
I 20883 Panama 20883
- R II *Pleurothallis mazei* Urb. 19400  
R 19400 Islands of the Caribbean (Greater Antilles) 19400  
E 19408 Dominican Republic 19408
- R II *Pleurothallis miranda* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis monophylla* (Hook.) F. & R. 20883, 19890  
I 19890 Jamaica 20883
- E II *Pleurothallis mucronata* Lindley 5607  
E 19105 Cuba (Guantanamo) 5607
- E II *Pleurothallis mystax* Luer 20883, 10008  
I 20883 Panama 20883
- R II *Pleurothallis nelsonii* Ames 9423  
R 19850 Mexico 9423
- R II *Pleurothallis nigriflora* L.O. Williams 9423  
R 19850 Mexico 9423
- V II *Pleurothallis oblanceolata* L. O. Williams 19850  
V 19850 Mexico 19850
- E II *Pleurothallis operculata* Luer 20883, 10747  
I 20883 Panama 20883
- I II *Pleurothallis ophioglossoides* (Jacq.) Garay & Sweet 10199  
I Dominica 10199
- V II *Pleurothallis pallida* Luer 20883, 10008  
V 16317 Panama 20883
- E II *Pleurothallis pan* Luer 20883  
I 20883 Panama 20883
- R II *Pleurothallis parviflora* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis peculiaris* Luer 20883, 10008  
I 20883 Panama 20883
- R II *Pleurothallis perryi* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis phyllocardia* Rehb. f. 20883  
I 20883 Panama 20883
- R II *Pleurothallis pidax* Luer 19045  
R 19045 Ecuador 19045
- V II *Pleurothallis pilifera* Lindl. 19045  
V 19045 Ecuador 19045
- E II *Pleurothallis polysticha* Luer 20883, 10747  
I 20883 Panama 20883
- E II *Pleurothallis praegrans* Ames 20883  
I 20883 Panama 20883
- R II *Pleurothallis prolaticollaris* Luer 19045  
R 19045 Ecuador 19045
- R II *Pleurothallis punicea* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis rhodoglossa* Schltr. 20883  
I 20883 Panama 20883
- E II *Pleurothallis rhomboglossa* Reichb. f. 5607  
E 19105 Cuba (Guantanamo) 5607
- E II *Pleurothallis rotundifolia* Rolfe 20883, 19890  
I 19890 Jamaica 20883
- V II *Pleurothallis rubella* Luer 10008  
V 16317 Panama 10008
- E II *Pleurothallis rubellia* Luer 20883  
I 20883 Panama 20883
- V II *Pleurothallis scitula* Luer 20883, 10008  
? Costa Rica 21258  
V 16317 Panama 20883
- V II *Pleurothallis scoparum* Rehb.f. 21293  
V 19045 Ecuador 19045
- E II *Pleurothallis sempergemmata* Luer 20883  
I 20883 Panama 20883
- V II *Pleurothallis simulans* L.O. Wms. 20883, 9006  
V 16317 Panama 20883
- R II *Pleurothallis sphaerantha* Luer 19045  
R 19045 Ecuador 19045
- R II *Pleurothallis stevensonii* Luer 19045  
R 19045 Ecuador 19045
- E II *Pleurothallis tantilla* Luer 20883, 10747  
I 20883 Panama 20883
- E II *Pleurothallis telamon* Luer 20883, 10747  
I 20883 Panama 20883
- V II *Pleurothallis thymochila* Luer 10008  
V 16317 Panama 10008
- E II *Pleurothallis thymochilis* Luer 20883  
I 20883 Panama 20883
- V II *Pleurothallis titan* Luer 20883, 10008  
V 16317 Panama 20883
- E II *Pleurothallis trilobata* F. & R. 20883, 19890  
V 19890 Jamaica (St. Andrews, Portland) 20883
- V II *Pleurothallis tropida* Luer 20883, 10747  
V 16317 Panama 20883
- R II *Pleurothallis tryssa* Luer 19045  
R 19045 Ecuador 19045
- R II *Pleurothallis unguicallosa* Ames & C. Schweinf. 9423  
R 11933 Mexico 9423
- E II *Pleurothallis veraguacensis* Luer 20883, 10008  
I 20883 Panama 20883
- V II *Pleurothallis volcanica* Luer 20883, 10008  
V 16317 Panama 20883
- V II *Pleurothallis vorator* Luer & Vasquez 21293  
V 21293 Bolivia 21293  
V 19045 Ecuador 19045
- R II *Pleurothallis xanthea* Luer 19045  
R 19045 Ecuador 19045
- V II *Polystachya albescens* Ridley ssp. *angustifolia* (Summerh.) Summerh.  
V Cameroon (Buea)
- I II *Polystachya greatrexi* Summerh. 7881  
I Zimbabwe 7881
- R II *Polystachya testuana* Summerh.  
R Gabon

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Polystachya*

- I** || *Pomatocalpa linearifolia* 19120  
**I** 19120 Thailand 19120
- R** || *Ponera dressleriana* Soto Arenas 19850  
 Mexico  
**R** 21184 Mexico - Morelos 21184
- R** || *Ponera exilis* Dressler 10015  
**R** 10007 Mexico 10015
- V** || *Ponthieva angustipetala* Greenwood 10042  
**V** 10042 Mexico - Oaxaca 10042
- V** || *Ponthieva brittoniae* Ames 20850  
**E** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**I** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. 20883
- R** || *Ponthieva cuyujana* Dodson & Hirtz 19045  
**R** 19045 Ecuador 19045
- R** || *Ponthieva harrisii* Cogn. 19890  
**E** 19408 Dominican Republic 19408  
**E** 19890 Haiti (south west) 19890  
**R** 19890 Jamaica 19221
- R** || *Ponthieva parviflora* Ames & C. Schweinf. 9423  
**R** 19850 Mexico 9423
- V** || *Porroglossum amethystinum* (Reichb.f.) Garay 12470  
**V** 19045 Ecuador 19045
- R** || *Porroglossum andreettae* Luer 12470  
**R** 12470 Ecuador 12470
- V** || *Porroglossum cindylosepalum* Sweet 19045, 21297  
**V** 19045 Ecuador 19045
- R** || *Porroglossum dalstroemii* Luer 12470  
**R** 19045 Ecuador 19045
- R** || *Porroglossum dreisei* Luer & Andreetta 19045  
**R** 19045 Ecuador 19045
- R** || *Porroglossum hirtzii* Luer 12470  
**R** 19045 Ecuador 19045
- V** || *Porroglossum meridionale* P. Ortiz 12470  
**V** 19045 Ecuador 19045
- R** || *Porroglossum schramii* Luer 12470  
**R** 12470 Ecuador 12470
- R** || *Porroglossum taylorianum* Luer 12470  
**R** 12470 Ecuador 12470
- R** || *Porroglossum teaguei* Luer 12470  
**R** 12470 Ecuador 12470
- E** || *Prasophyllum affine* Lindley 20681  
**E** 20681 Australia - New South Wales 20681
- R** || *Prasophyllum campestre* R.Bates & D.L.Jones 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** || *Prasophyllum carnosum* R.Bates & D.L.Jones ms. 20681  
**R** 20681 Australia - South Australia 20681
- V** || *Prasophyllum concinnum* Nicholls 20681, 14223  
**V** 20681 Australia - Tasmania 20681
- E** || *Prasophyllum correctum* D.L.Jones 20681  
**E** 20681 Australia - Victoria 20681
- E** || *Prasophyllum diversiflorum* Nicholls 20681, 14223  
**E** 20681 Australia - Victoria 20681
- R** || *Prasophyllum dossenum* R.Bates & D.L.Jones 20681  
**R** 20681 Australia - New South Wales 20681
- R** || *Prasophyllum exilis* D.L.Jones & R.Bates 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Queensland 20681
- R** || *Prasophyllum firthii* Cady = *Genoplesium brachystachyum* 20681  
**R** 20681 Australia - Tasmania 20681
- V** || *Prasophyllum frenchii* F.Muell. 20681  
**I** 20681 Australia - South Australia 20681  
**I** 20681 Australia - Victoria 20681
- V** || *Prasophyllum fuscum* R.Br. 20681  
**V** 20681 Australia - New South Wales 20681
- R** || *Prasophyllum montanum* R.Bates & D.L.Jones 20681  
**I** 20681 Australia - Capital Territory 20681  
**I** 20681 Australia - New South Wales 20681  
**I** 20681 Australia - Victoria 20681
- V** || *Prasophyllum morgani* Nicholls 20681, 14223  
**V** 20681 Australia - New South Wales 20681  
**Ex/E** 20681 Australia - Victoria 20681
- V** || *Prasophyllum pallidum* Nicholls 20681  
**V** 20681 Australia - South Australia 20681
- E** || *Prasophyllum petilum* D.L.Jones & R.Bates 20681  
**E** 20681 Australia - Capital Territory 20681
- Ex** || *Prasophyllum robustum* (Nicholls) M.A.Clements & D.L.Jones 20681  
**Ex** 20681 Australia - Tasmania 20681
- E** || *Prasophyllum subbisectum* Nicholls 20681, 14223  
**E** 20681 Australia - Victoria 20681
- R** || *Prasophyllum triangulare* Fitzg. 20681  
**R** 20681 Australia - Western Australia 20681
- V** || *Prasophyllum validum* R.Rogers 20681  
**V** 20681 Australia - South Australia 20681
- V** || *Prasophyllum wallum* R.Bates & D.L.Jones 20681  
**V** 20681 Australia - Queensland 20681
- R** || *Pseudocentrum guadeloupense* Cogn. 19400  
**R** 19400 Guadeloupe 19400
- E** || *Pseudocentrum minus* Benth. 20883, 19408  
**E** 19408 Dominican Republic 19408  
**E** 20883 Jamaica 20883
- I** || *Pseudocentrum sylvicola* Reichb.f. 19352  
**I** 19352 Colombia 19352
- R** || *Pseudocranichis thysanochila* (Robinson & Greenman) Garay 11933  
**R** 19850 Mexico 11933
- E** || *Psychilis krugii* (Bello) Saulea 20883  
**I** 20883 Puerto Rico 20883
- R** || *Psymorchis zamorensis* Dodson 16956  
**R** 10010 Ecuador 16956
- E** || *Pterichis leo* L.D. Gómez 9426  
**E** 9593 Costa Rica 9426
- E** || *Pterichis proctorii* Garay 20883, 19890  
**E** 19890 Jamaica 20883
- I** || *Pteroceras javanicum* (J.J. Smith) Bakh.f. 8309  
**I** Indonesia - Java (east) 8309
- V** || *Pteroglossaspis ecrinata* (Fern.) Rolfe 20883, 20850, 11630  
**I** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - Mississippi 20850  
**E** 20850 U.S. - North Carolina 20850  
**V** 20850 U.S. - South Carolina 20850  
**E** 20883 Cuba (Pinar del Rio) 20883
- R** || *Pterostylis arenicola* M.A.Clements & J.Stewart 20681

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Pterostylis*

- R 20681 Australia - South Australia 20681
- E II *Pterostylis basaltica* D.L.Jones & M.A.Clements 20681  
E 20681 Australia - Victoria 20681
- V II *Pterostylis bicornis* D.L.Jones & M.A.Clements 20681  
V 20681 Australia - Queensland 20681
- R II *Pterostylis cheraphila* D.L.Jones & M.A.Clements 20681  
R 20681 Australia - Victoria 20681
- V II *Pterostylis chlorogramma* D.L.Jones & M.A.Clements 20681  
V 20681 Australia - New South Wales 20681
- V II *Pterostylis cobarensis* M.A.Clements 20681  
V 20681 Australia - New South Wales 20681
- V II *Pterostylis commutata* D.L.Jones 20681  
V 20681 Australia - Tasmania 20681
- V II *Pterostylis cucullata* R.Br. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Tasmania 20681  
I 20681 Australia - Victoria 20681
- E II *Pterostylis despectans* (Nicholls) M.A.Clements & D.L.Jones 20681  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 20681
- E II *Pterostylis gibbosa* R.Br. 20681  
E 20681 Australia - New South Wales 20681
- E II *Pterostylis micromega* 19305  
E 19305 New Zealand - North Is. 19305  
E 19305 New Zealand - South Is. 19305
- E II *Pterostylis nana* 19305  
E 19305 New Zealand - North Is. 19305
- V II *Pterostylis nigricans* D.L.Jones & M.A.Clements 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R II *Pterostylis plumosa* 19305  
R 19305 New Zealand - North Is. 19305
- V II *Pterostylis pulchella* Messmer 20681  
V 20681 Australia - New South Wales 20681
- R II *Pterostylis smaragdina* D.L.Jones & M.A.Clements 20681  
R 20681 Australia - Victoria 20681
- V II *Pterostylis tenuissima* Nicholls 20681, 8552  
I 20681 Australia - South Australia 20681  
I 20681 Australia - Victoria 8552
- Ex II *Pterostylis valida* (Nicholls) D.L.Jones 20681  
Ex 20681 Australia - Victoria 20681
- R II *Pterostylis woollsii* Fitzg. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681  
I 20681 Australia - Victoria 20681
- V II *Pterostylis xerophila* M.A.Clements 20681  
V 20681 Australia - South Australia 20681
- E II *Pterygodium cruciferum* Sond. 20604  
E 20604 South Africa - Cape Province 20604
- R II *Pterygodium newdigatae* Bolus var. *cleistogamum* Bolus 20604  
R 20604 South Africa - Cape Province 20604
- I II *Pterygodium newdigatae* Bolus var. *newdigatae* 20604  
I 20604 South Africa - Cape Province 20604
- I II *Pterygodium penterianum* Schltr. 20604  
I 20604 South Africa - Cape Province 20604
- R II *Pterygodium ukingense* Schltr. 7959  
R 5926 Tanzania (Rungwe Distr.) 7959
- I 1 *Renanthera imschootiana* Rolfe  
E 11494 India - Manipur 11494  
E 11494 India - Mizoram 11494  
E 11494 India - Nagaland 11494  
I 20922 Myanmar 11494  
I 20922 SE Asia to Papua New Guinea 11494
- V II *Restrepia angustilabia* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Restrepia aspascensium* Reichb.f. 9426  
V 9593 Costa Rica 9426
- R II *Restrepia chrysglossa* Luer & R. Escobar 21259  
R 21259 Colombia 21259
- R II *Restrepia escobariana* Luer 21298  
R 21298 Colombia 21298
- R II *Restrepia teaguei* Luer 19045  
R 19045 Ecuador 19045
- R II *Restrepiopsis pandurata* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- V II *Rhinerrhiza moorei* (H.G.Reichb.) M.A.Clements, B.Wallace & D.L.Jones 20681  
V 20681 Australia - Queensland 20681
- V II *Rhizanthella gardneri* R.Rogers 20681  
V 20681 Australia - Western Australia 20681
- E II *Rhynchostele hortensiae* (Rodriguez) Soto Arenas & Salazar 19823  
E 9426 Costa Rica 11335
- R II *Rhynchostele uroskinneri* (Lindley) Soto Arenas & Salazar 19823  
R 10086 Guatemala 10086  
R 10086 Mexico - Chiapas 10086
- I II *Rhynchostylis coelestis* Reichb.f.  
I Thailand
- I II *Rhynchostylis latifolia* C. Fischer 4988  
I India - Karnataka (Cadamany, Mysore) 4988
- I II *Risleya atropurpurea* King & Pantl.  
I India - Sikkim
- R II *Robiquetia wassellii* Dockr. 20681  
R 20681 Australia - Queensland 20681
- R II *Robiquetia woodfordii* (Rolfe) Garay 14794  
R 14793 Solomon Is. - South 14794
- R II *Rodriguezia dressleriana* Gonz.Tam. 9706  
R 11933 Mexico 9706
- V II *Rossioglossum insleyi* (Baker ex Lindl.) Garay & Kenn 10011  
V 10007 Mexico 10011
- I II *Rossioglossum schlieperianum* (Reichb.f.) Garay & Kennedy 9037  
E 9426 Costa Rica 9037  
I 16317 Panama 9006
- V II *Rossioglossum splendens* (Reichb.f.) Garay & Kennedy 9706  
V 19850 Mexico 9706
- R II *Saccolabiopsis rectifolia* (Dockr.) Garay 20681  
R 20681 Australia - Queensland 20681
- R II *Saccolabium pusillum* Blume 8309

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Saccolabium*

- R Indonesia - Java (West Java; Central Java) 8309
- R II *Saccolabium sigmoideum* J.J. Smith 8309  
R Indonesia - Java (central) 8309
- V II *Sarcanthus flaccidus* 19047  
V 19047 Indonesia - Java 19047
- V II *Sarcanthus inflexilobus* Holttum 19047  
V 19047 Malaysia - Peninsular Malaysia (Gua Musang, Kelantan) 19047
- V II *Sarcanthus kunstleri* King & Prantl 19047  
V 19047 Malaysia - Peninsular Malaysia (Perak) 19047
- I II *Sarcanthus malleifer* J.J. Sm. 13833  
I 13833 Philippines (Palawan) 13833
- V II *Sarcanthus muticus* 19047  
V 19047 Indonesia - Java 19047
- V II *Sarcanthus pensilis* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia (Pahang; Johore) 19047
- V II *Sarcanthus rugoius* 19047  
V 19047 Malaysia - Peninsular Malaysia 19047
- R II *Sarcanthus rugulosus* (Ridley) Holttum  
R Malaysia - Peninsular Malaysia
- V II *Sarcanthus suaveolens* 19047  
V 19047 Indonesia - Java 19047
- R II *Sarcochilus aequalis* D.L.Jones & M.A.Clements 20681  
R 20681 Australia - New South Wales 20681
- R II *Sarcochilus dilatatus* F.Muell. 20681  
Ex/E 20681 Australia - New South Wales 20681  
R 20681 Australia - Queensland 20681
- V II *Sarcochilus fitzgeraldii* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V II *Sarcochilus hartmannii* F.Muell. 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- V II *Sarcochilus hirticalcar* (Dockr.) M.A.Clements & B.Wallace 20681  
V 20681 Australia - Queensland 20681
- R II *Sarcochilus serrulatus* D.L.Jones 20681  
R 20681 Australia - Queensland 20681
- R II *Sarcochilus uniflorus* Gagnepain 6057  
R Vietnam 6057
- V II *Sarcochilus weinthalii* Bailey 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- I II *Sarcoglyphis thailandica* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Satyridium rostratum* Lindl. 20604  
R 20604 South Africa - Cape Province 20604
- R II *Satyrium aberrans* Summerh. 5926  
R 5926 Tanzania (Mbeya Mt.) 5926
- I II *Satyrium carneum* (Dryand.) Sims 20604  
I 20604 South Africa - Cape Province 20604
- R II *Satyrium comptum* Summerh. 7959  
R 5926 Tanzania 7959
- R II *Satyrium foliosum* Sw. 20604  
R 20604 South Africa - Cape Province 20604
- E II *Satyrium hallackii* Bolus ssp. *hallackii* 20604
- E 20604 South Africa - Cape Province 20604
- I II *Satyrium kermesinum* Krzl. 5926  
I 5926 Tanzania 5926
- I II *Satyrium mirum* Summerh. 7881  
I Zimbabwe 7881
- I II *Satyrium monophyllum* Krzl. 5926  
I 5926 Tanzania 5926
- E II *Satyrium muticum* Lindl. 20604  
E 20604 South Africa - Cape Province 20604
- I II *Satyrium princeps* Bolus 20604  
I 20604 South Africa - Cape Province 20604
- R II *Scaphosepalum andreettae* Luer 21292  
R 19045 Ecuador 19045
- R II *Scaphosepalum beluosum* Luer 21292  
R 19045 Ecuador 19045
- R II *Scaphosepalum dodsonii* Luer 21292  
R 19045 Ecuador 19045
- E II *Scaphosepalum elasmotopus* Schltr. 20883, 9006  
E 20883 Panama 20883
- V II *Scaphosepalum fimbriatum* Luer & Hirtz 21292  
V 19045 Ecuador 19045
- E II *Scaphosepalum hirtzii* Luer 21292  
E 19045 Ecuador 19045
- R II *Scaphosepalum microdactylum* Rolfe 10034  
R 11570 Costa Rica 10034  
R 11570 Guatemala 10034  
R 11570 Honduras 10034  
R 11570 Mexico 10034  
R 11570 Nicaragua 10034  
R 11570 Panama 10034  
R 11570 Colombia 10034
- V II *Scaphosepalum ovulare* Luer 21292  
V 19045 Ecuador 19045
- R II *Scaphosepalum pleurothallodes* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- R II *Scelochilus aureus* Schltr. 9037  
R 9426 Costa Rica 9037
- R II *Scelochilus chiribogae* Dodson 19045  
R 19045 Ecuador 19045
- V II *Scelochilus heterophylla* Rchb.f 19045  
V 19045 Ecuador 19045
- V II *Scelochilus hirtzii* Dodson 19045  
V 19045 Ecuador 19045
- V II *Scelochilus jamesonii* Lindl. 19045  
V 19045 Ecuador 19045
- R II *Scelochilus luerae* Dodson 19045  
R 19045 Ecuador 19045
- R II *Schiedeella nagelii* (L.O. Williams) Garay 11337  
R 19850 Mexico 11337
- E II *Schiedeella stolonifera* (Ames & C. Schweinf.) Balogh 11337  
E 10359 Guatemala 11337
- R II *Schistotylus purpuratus* (Rupp) Dockr. 20681  
R 20681 Australia - New South Wales 20681
- R II *Schizochilus gerrardii* (Rchb.f.) Bolus 20604  
R 20604 South Africa - Natal 20604
- V II *Schizochilus obliquum* Lindl. ssp. *obliquum* 20604  
V 20604 South Africa - Cape Province 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Schizochilus*

- V II *Schizodium longipetalum* Lindl. 20604  
V 20604 South Africa - Cape Province 20604
- R II *Schlimia jasminodora* Planch. & Linden ex Lindley & Paxton 21264  
R 21264 Costa Rica 21264
- R II *Schlimmia condorana* Dodson 19045  
R 19045 Ecuador 19045
- I II *Schoenorchis spathulata* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Selenipedium chica* Rchb. f. 20883, 9006  
I 20883 Panama 20883
- R II *Serapias nurrica* Corrias 15080  
V 15080 France - Corsica 15080  
R 20805 Italy - Sardinia 15080
- R II *Serapias orientalis* Nelson ssp. *apulica* 18264  
R 18264 Italy (Puglia) 18264
- E II *Sievekingia butcheri* Dressler 20883, 10030  
E 10020 Panama 20883
- R II *Sievekingia hirtzii* Waldvogel 19045, 16956  
R 19045 Ecuador 19045
- R II *Sievekingia marsupialis* Dodson 19045  
R 19045 Ecuador 19045
- E II *Sigmatostalix abortiva* L.O. Wms. 20883, 9006  
I 20883 Panama 20883
- V II *Sigmatostalix adamsii* Dodson 19045  
V 19045 Ecuador 19045
- R II *Sigmatostalix mexicana* L.O. Williams 9423  
R 11933 Mexico 9423
- R II *Sigmatostalix morganii* Dodson 19045  
R 19045 Ecuador 19045
- R II *Sigmatostalix unguiculata* C. Schweinf. 10012  
R 9426 Costa Rica 10012
- E II *Sobralia allenii* L.O. Wms. 20883, 9006  
V 16358 Panama 20883
- V II *Sobralia bletiae* Reichb.f. 9037  
V 9426 Costa Rica 9037  
V 19577 Panama 9037
- R II *Sobralia callosa* L.O. Williams 9006  
R 19577 Panama 9006
- R II *Sobralia chatoensis* A.H. Heller & A. Hawkes 10017  
R 11967 Nicaragua 10017
- V II *Sobralia labiata* Warsc. & Reichb.f. 9037  
V 9426 Costa Rica 9037  
V 19577 Panama 9037
- V II *Sobralia macrantha* Lindley var. *kienastiana* Reichb.f. 10013  
V 9426 Costa Rica 10013  
E 10359 El Salvador 10013
- V II *Sobralia neglecta* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Sobralia pfavii* Schltr. 9037  
V 9426 Costa Rica 9037
- V II *Sobralia triandra* A.H. Heller & A. Hawkes 10017  
V 11967 Nicaragua 10017
- E II *Sophronitis mantiqueirae* Fowlie var. *varonica* Hort. 9745  
E 9745 Brazil 9745
- R II *Spathoglottis confusa* Schltr.  
R 14068 Indonesia - Kalimantan 14068
- R II *Spathoglottis kimbaliiana* Hort. Sander  
R 14068 Indonesia - Kalimantan 14068
- R II *Sphyrastylis cryptantha* (C. Schweinf. & P. Allen) Garay 10020  
R 19577 Panama 10020
- E II *Spiranthes delitescens* Sheviak 20850  
E 20850 U.S. - Arizona 20850
- V II *Spiranthes diluvialis* Sheviak 20850, 15044  
I 20850 U.S. - Arizona 20850  
V 20850 U.S. - Colorado 20850  
E 20850 U.S. - Montana 20850  
Ex/E 20850 U.S. - Nevada 20850  
I 20850 U.S. - South Dakota 20850  
E 20850 U.S. - Utah 20850  
E 20850 U.S. - Wyoming 20850
- E II *Spiranthes infernalis* Sheviak 20850  
E 20850 U.S. - Nevada 20850
- E II *Spiranthes lanceolata* (Aublet) Leon var. *paludicola* Luer 20850  
E 20850 U.S. - Florida 20850
- R II *Spiranthes longilabris* Lindl. 20883, 20850, 19002  
E 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
I 20850 U.S. - Louisiana 20850  
V 20850 U.S. - Mississippi 20850  
E 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
E 20850 U.S. - Texas 20850  
I 20850 U.S. - Virginia 20850  
I 20883 USA - Virgin Is. 20883
- R II *Spiranthes obliqua* J.J. Smith 8309  
R Indonesia - Java (West & East Java) 8309
- R II *Spiranthes parksii* Correll 20850  
R 20850 U.S. - Texas (nr College Station, Brazos) 20850
- R II *Spiranthes prasophylla* Reichb.f. var. *cleistogama* Ames & Correll 9004  
V 9426 Costa Rica 9004  
R 9004 Guatemala 9004
- V II *Stanhopea embreei* Dodson 19045  
V 19045 Ecuador 19045
- V II *Stanhopea frymirei* Dodson 19045  
V 19045 Ecuador 19045
- V II *Stanhopea hernandezii* (Kunth) Schltr. 10010  
V 16360 Mexico 10010
- R II *Stanhopea lewisae* Ames & Correll 9004  
R 10020 Guatemala 9004
- V II *Stanhopea martiana* Bateman ex Lindley 9423  
V 16360 Mexico 9423
- V II *Stanhopea napoensis* Dodson 16956  
V 10010 Ecuador 16956
- V II *Stanhopea tigrina* Bateman ex Lindley 10037  
V 10007 Mexico 10037
- E II *Stelis allenii* L.O. Wms. 20883, 10747  
I 20883 Panama 20883
- E II *Stelis atrorubens* L.O. Wms. 20883  
I 20883 Panama 20883
- E II *Stelis collina* Schltr. 20883  
I 20883 Panama 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Stelis*

- V II *Stelis hirtzii* Luer 19045  
V 19045 Ecuador 19045
- E II *Stelis loculifera* Luer 20883, 10747  
I 20883 Panama 20883
- E II *Stelis longipetiolata* Ames 20883, 9006  
I 20883 Panama 20883
- R II *Stelis micrantha* (Sw.) Sw. 20883  
R 20883 Jamaica 20883
- E II *Stelis striolata* Lindley 18200  
E 9446 Peru 18200
- R II *Stellilabium distantiflorum* Ames & C. Schweinf. 9037  
R 9426 Costa Rica 9037
- V II *Stellilabium microglossum* (Schltr) Dodson 19045  
V 19045 Ecuador 19045
- R II *Stenia palorae* Dodson & Hirtz 19045  
R 19045 Ecuador 19045
- V II *Stenorrhynchos bracteosus* Ames & C. Schweinf. 9037  
V 9426 Costa Rica 9037
- R II *Stigmatodactylus javanicus* Schltr. & J.J. Smith 8309  
R Indonesia - Java (east west) 8309  
I Indonesia - Sumatra
- V II *Stigmatodactylus sikokianus* Maxim. 11164  
V 11164 Japan 11164
- R II *Suarezia ecuadorana* Dodson 19045  
R 19045 Ecuador 19045
- I II *Sunipia angustipetala* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Sunipia australis* (Seidenf.) Hunt 19120  
I 19120 Thailand 19120
- I II *Sunipia thailandica* (seidenf. & Smitin.) Hunt 19120  
I 19120 Thailand 19120
- R II *Systemoglossum acuminatum* Ames & C. Schweinf. 9037  
R 9426 Costa Rica 9037
- R II *Systemoglossum costaricense* Schltr. 9037  
R 9426 Costa Rica 9037
- E II *Taeniophyllum andamanicum* Balakr. & Bhargava 11494  
E 11494 India - Andaman Is. 11494
- I II *Taeniophyllum gilimalense* Jayaw. 8021  
I 16162 Sri Lanka (Gilmale, Ratnapura) 8021
- I II *Taeniophyllum insulare* Seidenf. 19120  
I 19120 Thailand 19120
- I II *Taeniophyllum quadrilobium* Seidenf. 19120  
I 19120 Thailand 19120
- R II *Tangtsinia nanchuanica* S.C. Chen 17617  
R 17617 China - Sichuan (Nanchuanjingfeshan) 11139
- E II *Teagueia teaguei* Luer 19045  
E 19054 Ecuador 19045
- R II *Teagueia tentaculata* Luer & Hirtz 19045  
R 19045 Ecuador 19045
- V II *Telipogon ampliflorus* C. Schweinf. 10012  
E 9426 Costa Rica 10012  
V 19577 Panama 10012
- V II *Telipogon aureus* Lindl. 19045  
V 19045 Ecuador 19045
- V II *Telipogon biolleyi* Schltr. 19869  
E 9426 Costa Rica 9037  
V 16317 Panama 9006
- E II *Telipogon bruckmuelleri* Reichb.f. 9426  
E 9593 Costa Rica 9426
- E II *Telipogon buenavistae* Kranzlin 9037  
E 9426 Costa Rica 9037
- E II *Telipogon christobalensis* Kranzlin 9037  
E 9426 Costa Rica 9037
- R II *Telipogon cnyujensis* Dodson & Escobar 19045  
R 19045 Ecuador 19045
- E II *Telipogon costaricensis* Schltr. 9037  
E 9426 Costa Rica 9037
- V II *Telipogon ecuadorensis* Schltr. 19045  
V 19045 Ecuador 19045
- E II *Telipogon gracilipes* Schltr. 9037  
E 9426 Costa Rica 9037
- R II *Telipogon guacamayoensis* Dodson & Escobar 19045  
R 19045 Ecuador 19045
- R II *Telipogon hirtzii* Dodson & Escobar 19045  
R 19045 Ecuador 19045
- R II *Telipogon penningtonii* Dodson & Escobar 19045  
R 19045 Ecuador 19045
- E II *Telipogon pfavii* Schltr. 9037  
E 9426 Costa Rica 9037
- E II *Telipogon setosus* Ames 9037  
E 9426 Costa Rica 9037
- E II *Telipogon storkii* Ames & C. Schweinf. 9037  
E 9426 Costa Rica 9037
- E II *Tetramicra bulbosa* Mansf. 19890  
E 19408 Dominican Republic 19408  
E 19890 Haiti (southeast) 18329  
E 19890 Jamaica (Trelawny) 19221
- R II *Thelasis succosa* Carr  
R Malaysia - Peninsular Malaysia (Kota Glanggi, Pahang)
- R II *Thelymitra apiculata* (A.S.George) M.A.Clements & D.L.Jones 20681  
R 20681 Australia - Western Australia 20681
- E II *Thelymitra dedmaniae* R.Rogers 20681  
E 20681 Australia - Western Australia 20681
- E II *Thelymitra epipactoides* F.Muell. 20681, 19805  
Ex/E 20681 Australia - New South Wales 19805  
E 20681 Australia - South Australia 19805  
E 20681 Australia - Victoria 19805
- V II *Thelymitra mackibbinii* F.Muell. 20681  
V 20681 Australia - Victoria 20681
- V II *Thelymitra psammophila* C.R.P.Andrews 20681  
V 20681 Australia - Western Australia 20681
- V II *Thelymitra stellata* Lindley 20681  
V 20681 Australia - Western Australia 20681
- R II *Thelymitra tholiformis* 19305  
R 19305 New Zealand - North Is. 19305
- R II *Thrixspermum obtusum* (Blume) Reichb.f. 8309  
R Indonesia - Java 8309
- E II *Tipularia japonica* Matsum. var. *harae* F. Maek. 11164  
E 11164 Japan 11164
- R II *Tolumnia bahamensis* (Nash ex Britt. & Millsp.) G.J. Braem 20850  
E 20850 U.S. - Florida 20850
- R II *Trevoria ecuadorensis* Rolfe 16963  
R 10010 Ecuador 16963
- V II *Triaristella trichaete* (Reichb.f.) Luer 10009

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Triaristella*

- V 9426 Costa Rica 10009
- I** II *Trias mollis* Seidenf. 19120  
I 19120 Thailand 19120
- I** II *Trias rosea* (Ridl.) Seidenf. 19120  
I 19120 Thailand 19120
- R** II *Trichocentrum albiflorum* Rolfe 9423, 21219  
R 11933 Mexico 9423
- V** II *Trichocentrum brenesii* Schltr. 9037  
E 9426 Costa Rica 9037  
V 19577 Panama 10020
- R** II *Trichocentrum hoegii* Reichb.f. 11938  
R 11933 Mexico 9423
- R** II *Trichocentrum pfavii* Reichb.f. 9037  
E 9426 Costa Rica 9037  
R 19577 Panama 9037
- V** II *Trichocentrum tigrinum* Linden & Reichb. f. 12482  
V Ecuador  
E 18200 Peru 12482
- V** II *Trichoglottis australiensis* Dockr. 20681  
V 20681 Australia - Queensland 20681
- R** II *Trichoglottis javanica* J.J. Smith 8309  
R Indonesia - Java (West Java; East Java) 8309
- E** II *Trichopilia punctata* Rolfe 9037  
E 9426 Costa Rica 9037
- V** II *Trichopilia rostrata* Rehb.f. 19045  
V 19045 Ecuador 19045
- V** II *Trigonidium grande* Garay 19045, 16956  
V 19045 Ecuador 19045
- E** II *Triphora craigheadii* Luer 20850  
E 20850 U.S. - Florida 20850
- Ex/E** II *Triphora latifolia* Luer f. 20850, 14662  
Ex/E 20850 U.S. - Florida 20850
- R** II *Triphora nitida* Schltr. 9037  
R 9426 Costa Rica 9037
- R** II *Triphora ravenii* L.O. Williams 9426  
R 9426 Costa Rica 9426  
R 18265 Panama (Chiriqui) 18265
- V** II *Triphora wagneri* Schltr. 20883, 9006  
V 20883 Panama 20883
- R** II *Trisetella abbreviata* Luer 21293  
R 19045 Ecuador 19045
- R** II *Trisetella andreetae* Luer 21293  
R 19045 Ecuador 19045
- R** II *Trisetella fissidens* Luer & Hirtz 21293  
R 19045 Ecuador 19045
- R** II *Trisetella gemmata* (Richb.f.) Luer 18089  
R 18089 Colombia 18089
- R** II *Trisetella hirtzii* Luer 21293  
R 19045 Ecuador 19045
- R** II *Trisetella pantex* (Luer) Luer 21293  
R 19045 Ecuador 19045
- R** II *Tropidia nipponica* Masam. var. *hachijoensis* F. Maek. 11164  
R 11164 Japan 11164
- I** II *Tuberolabium carnosum* Seidenf. 19120  
I 19120 Thailand 19120
- I** II *Vanda arcuata* J.J. Smith  
I Indonesia - Sulawesi
- R** I *Vanda coerulea* Griffith ex Lindley 4300  
R 14782 India - Arunachal Pradesh 10868  
R 14782 India - Assam 10868  
R 14782 India - Manipur 14782  
R 14782 India - Meghalaya 4300  
R 14782 India - Mizoram 10868  
R 14782 India - Nagaland 14782  
I Myanmar  
I Thailand
- V** II *Vanda devoogtii* J.J. Smith  
V Indonesia - Sulawesi
- I** II *Vanda drakei* Reichb.f.  
I Indonesia - Lesser Sunda Is.
- I** I *Vanda foetida* J.J. Smith  
I Indonesia - Sumatra
- I** II *Vanda furva* Lindley  
I Indonesia - Moluccas
- E** II *Vanda hastifera* Reichb.f. 14068  
E 14068 Indonesia - Kalimantan 14068
- I** II *Vanda leucostele* Schltr.  
I Indonesia - Sumatra
- I** II *Vanda lombokensis* J.J. Smith  
I Indonesia - Lesser Sunda Is. (Lombok)
- I** II *Vanda punctata* Ridley  
I Indonesia - Lesser Sunda Is.
- V** II *Vanda sanderiana* Reichb.f. 10278  
V Philippines 10278
- V** II *Vanda sumatrana* Schltr.  
V Indonesia - Sumatra
- E** II *Vanda thwaitesii* Hook.f. 8021  
E 16162 Sri Lanka (Hunnasgiriya, Kandy) 8021
- I** II *Vanda tricuspidata* J.J. Smith  
I Indonesia - Lesser Sunda Is.
- Ex/E** II *Vanda wightii* Reichb.f. 11494  
Ex/E 11494 India - Tamil Nadu 11494
- V** II *Vanilla argentina* Hicken 16336  
V 16336 Argentina 16336  
V 20176 Argentina - Formosa 20176
- V** II *Vanilla calopogon* Reichb.f. 10278  
V Philippines 10278
- I** II *Vanilla correllii* Saulea & R.M. Adams  
I 4650 Bahamas 4650
- V** II *Vanilla heileri* A. Hawkes 10017  
V 11967 Nicaragua 10017
- R** II *Vanilla hostmanni* Rolfe 17203  
R 17203 Suriname 17203
- R** II *Vanilla marowijniensis* Pulle 17203  
R 17203 Suriname 17203
- R** II *Vanilla phaeantha* Reichenb. f. 20883, 20850, 19890  
V 20850 U.S. - Florida 20850  
R 20883 Cuba 20883  
E 19408 Dominican Republic 19408  
E 20883 Jamaica 20883  
? St Vincent 19890  
R 20883 Trinidad & Tobago 20883  
R 20883 Suriname 20883
- I** II *Vanilla phalaenopsis* Reichenb. f. 14296  
I 19182 Seychelles (granitic) 14296
- I** II *Vanilla walkeriae* Wight  
I India - Karnataka (Jerganhalli, Mysore) 9139  
I India - Kerala (Travancore Hills) 4988

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Orchidaceae: *Vanilla*

- I India - Tamil Nadu (Coimbatore hills)  
4988
- V II *Vanilla wightiana* Lindley ex Hook.f. 11494  
V 11494 India - Kerala (Tinnevely; Kanyakumari)  
11494
- E II *Vrydagzynea paludosa* J.J.Smith 20681  
E 20681 Australia - Queensland 20681
- R II *Warrea costaricensis* Schltr. 11938  
R 11570 Costa Rica 10034  
R 11570 Guatemala 10034  
V 19850 Mexico 11938  
R 11570 Nicaragua 10034  
R 11570 Panama 10034
- E II *Wulfschlaegelia aphylla* (Swartz) Rehb. f. 10199  
E Dominica 10199  
E 19408 Dominican Republic 19408
- R II *Xylobium brachypus* (Reichb.f.) Hemsley 9004  
R 9004 Guatemala 9004
- V II *Xylobium powellii* Schltr. 9037  
V 9426 Costa Rica 9037  
E/V 11967 Nicaragua 10747  
V 19577 Panama 9037
- R II *Xylobium sulfurinum* (Lemaire) Schltr. 9004  
R 9004 Guatemala 9004
- V II *Yoania australis* Hatch 86  
V 86 New Zealand - North Is. 86
- R II *Zetagyne albiflora* Ridley 6057  
R Vietnam 6057
- I II *Zeuxine andamanica* King & Pantl. 7771  
I India - Andaman Is. (South Andaman Is.)  
7771
- Ex II *Zeuxine boninensis* Tuy. 8038  
Ex 15112 Japan - Ogasawara-shoto 8038
- R II *Zeuxine elatior* Schltr. var. *angustata* Cribb & B.  
Lewis 14794  
R 14793 Solomon Is. - South 14794
- V II *Zeuxine exilis* Ridley 881  
V 14224 Australia - Christmas Is. 881
- E II *Zeuxine palustris* Ridley 19047  
E 19047 Malaysia - Peninsular Malaysia (Ulu Temango,  
Perak) 19047
- E II *Zeuxine peniformis* 19047  
E 19047 Malaysia - Peninsular Malaysia 19047
- Ex/E II *Zeuxine pulchra* King & Pantl. 11494  
Ex/E 11494 India - Meghalaya (Khasi hills) 11494  
Ex/E 11494 India - Sikkim (Lachung Valley) 11494
- I II *Zeuxine rolfiana* King & Pantl. 7771  
I India - Andaman Is. (south Andaman Is.)  
7771
- V II *Zeuxine rupestris* Ridley 19047  
V 19047 Malaysia - Peninsular Malaysia (Penang Hill)  
19047
- R II *Zeuxine sphaerochila* Fleischm. & Rech. 8006  
R U.S. - American Samoa 8006  
I Western Samoa 8006
- E II *Zeuxine tjampeana* J.J. Smith 8309  
E 19047 Indonesia - Java (West Java) 8309
- R II *Zeuxine tonkinensis* Gagnepain 6057  
R Vietnam 6057
- V II *Zeuxine viridiflora* J.J. Smith 8309  
V 19047 Indonesia - Java (West Java; East Java)  
8309

Palmae

Number of genera: 200  
Number of species: 3,000  
Recorded threatened species: 869 (28%)

Tropical and warm temperate.

- V *Acanthophoenix rubra* (Bory) H.A. Wendl. 10082  
V 6165 Réunion 10082  
E 20771 Mauritius 10082
- V *Acrocomia media* O.F. Cook 20883, 8020  
I 20883 Puerto Rico 20883  
I 20883 USA - Virgin Is. 20883
- R *Actinokentia divaricata* (Brongn.) Dammer 10238  
R 15184 New Caledonia 10238
- R *Actinokentia huerlimannii* H.E. Moore 10237  
R 20893 New Caledonia 10237
- R *Aiphanes acaulis* Galeano & R. Bernal 10741  
R 16853 Colombia (Choco) 10741
- R *Aiphanes chiribogensis* Borchsenius & Balslev 17946  
R 17946 Ecuador 17954
- I *Aiphanes deltoidea* Burret 20883, 8020  
E 20883 Brazil 20883  
I 20826 Colombia 20883  
V 20883 Peru 20883
- I *Aiphanes duquei* Burret 8020  
I 16853 Colombia 8020
- R *Aiphanes gracilis* Burret 8020  
R 18200 Peru 17955
- I *Aiphanes hirsuta* Burret ssp. *fosteriorum*  
(H.E.Moore) Borchsenius & R.Bernal 20826  
I 16853 Colombia (south-west) 20826  
I Ecuador (north-west) 20826
- I *Aiphanes hirsuta* Burret ssp. *intermedia*  
Borchsenius & R.Bernal 20826  
I 16853 Colombia (west) 20826
- I *Aiphanes hirsuta* Burret ssp. *kalbreyeri* (Burret)  
Borchsenius & R.Bernal 20826  
I 16853 Colombia (west) 20826
- E *Aiphanes leiostachys* Burret 8020  
E 6197 Colombia 8020
- V *Aiphanes lindeniana* (H. Wendl.) H. Wendl. 8020  
V 16853 Colombia 8020
- V *Aiphanes linearis* Burret 8020  
V 16853 Colombia 8020
- E *Aiphanes parvifolia* Burret 8020  
E 16853 Colombia 8020
- V *Aiphanes simplex* Burret 8020  
V 16853 Colombia 8020
- V *Aiphanes spicata* Borchsenius & Bernal 19698  
V 19698 Peru 19698
- V *Aiphanes truncata* (Brongniart ex C. Martius) H. A.  
Wendl. 20883, 8020  
I 20883 Bolivia (Beni, Cochabamba, La Paz, S. Cruz)  
20883  
I 20883 Paraguay 20883
- R *Aiphanes ulei* (Dammer) Burret 8020  
I Brazil 20826  
I Colombia 20826  
I Ecuador 20826  
R 19698 Peru 17955
- R *Aiphanes verrucosa* Borchsenius & Balslev 17946



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Aiphanes*

- R 17946 Ecuador 17946
- R** *Aiphanes weberbaueri* Burret 8020  
R 20826 Ecuador (south) 20826  
R 18200 Peru 17955
- V** *Allagoptera arenaria* (Gomes) Kuntze 8020  
V 8743 Brazil (Atlantic forest) 8743
- V** *Allagoptera brevicalyx* M. Moraes 17954  
V 17954 Brazil 17954
- V** *Alloschmidia glabrata* (Becc.) H.E. Moore 9996  
V 20893 New Caledonia 15184
- V** *Alsmithia longipes* H.E. Moore 10532  
V 15184 Fiji (Taveuni & Viti Levu) 10532
- V** *Ammandra dasyneura* (Burret) Barfod 20883, 15728  
I 20826 Colombia 20883  
I 20826 Ecuador (north) 20883
- R** *Aphandra natalia* (Balslev and Hendersson) Barfod 20883, 15728  
I 20883 Brazil 20883  
R 20883 Ecuador (Andes eastern foothills) 20883  
R 20883 Peru 20883
- E** *Archontophoenix myolensis* Dowe 20681  
E 20681 Australia - Queensland 20681
- E** *Areca abdulrahmanii* Dransf. 4066  
E 14703 Malaysia - Sarawak (G. Mulu NP) 4066
- E** *Areca ahmadii* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- E** *Areca andersonii* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- V** *Areca arundinacea* Becc. 10630  
V 14703 Malaysia - Sarawak 10630
- E** *Areca brachypoda* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- R** *Areca camariensis* Becc.  
R 14726 Philippines 14726
- I** *Areca catechu* L. var. *batanensis* Becc. 14726  
I 14726 Philippines (Batan Is.) 14726
- I** *Areca catechu* L. var. *silvatica* Becc. 14726  
I 14726 Philippines (near Lake Manguao) 13833
- E** *Areca chaiana* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- E** *Areca concinna* Thwaites 11813  
E 19614 Sri Lanka 16162
- I** *Areca costulata* Becc. 14726  
I 14726 Philippines (Dinagat) 14726
- E** *Areca dayung* Dransf. 4066  
E 14703 Malaysia - Sarawak 4066
- V** *Areca glandiformis* Lam. 14828  
V 14828 Indonesia - Moluccas 14828
- R** *Areca guppyana* Becc. 15138  
R 15138 Solomon Is. - South 15138
- I** *Areca hutchinsoniana* Becc. 14726  
I 14726 Philippines (Basilan, Siassi) 14726
- V** *Areca ipot* Becc. 14726  
V 14726 Philippines (Luzon) 14726
- E** *Areca jugahpunya* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- E** *Areca klingkangensis* Dransf. 10630  
E 14703 Malaysia - Sarawak 10630
- I** *Areca macrocarpa* Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- I** *Areca mammillata* Becc. 13833  
I 13833 Philippines (low altitude) 13833
- V** *Areca parens* Becc. 14726  
V 14726 Philippines (Camarnes Sur) 14726
- V** *Areca ridleyana* Becc ex Furtado 10260  
V Malaysia - Peninsular Malaysia 10249
- E** *Areca subcaulis* (Becc.) Dransf. 11813  
E 14703 Malaysia - Sarawak 10570
- I** *Areca whitfordii* Becc. var. *luzonensis* Becc. 14726  
I 14726 Philippines (Luzon) 14726
- I** *Areca whitfordii* Becc. var. *whitfordii* 14726  
I 14726 Philippines (Mindoro) 14726
- R** *Arenga listeri* Becc. 5170  
R 17945 Australia - Christmas Is. 5170
- V** *Arenga longipes* Moegea 14828  
V 14828 Indonesia - Sumatra 14828
- R** *Arenga retroflorescens* H.E. Moore & Meijer 14712  
E 14712 Malaysia - Sabah 14712  
R 14828 Malaysia - Sarawak 14828
- V** *Arenga wightii* Griff. 14827  
V 14827 India - Karnataka 14827  
V 14827 India - Kerala 14827  
V 14827 India - Tamil Nadu 14827
- R** *Asterogyne guianense* Granville & Henderson 19618  
R 19614 French Guiana 19618
- E** *Asterogyne guianensis* Granv. & Henderson 20883  
E 20883 French Guiana 20883
- R** *Asterogyne ramosa* (H.E. Moore) J.G.W. Boer 8020  
R Venezuela 8020
- R** *Asterogyne spicata* (H.E. Moore) J.G.W. Boer 8020  
R Venezuela 8020
- V** *Asterogyne yaracuyense* Henderson & Steyermark 19619  
V 19614 Venezuela 19619
- V** *Astrocaryum aculeatissimum* (Schott) Burret 8020  
V 19614 Brazil (Atlantic forest) 8020
- I** *Astrocaryum alatum* H.F. Loomis 8020  
V Costa Rica 8020  
I 20826 Nicaragua 20826  
V Panama 8020
- R** *Astrocaryum huaimi* C. Martius 20883, 8020  
R 20883 Bolivia 20883  
R 20883 Brazil 20883  
V 20883 Peru 20883
- V** *Astrocaryum malybo* Karsten 8020  
V 16853 Colombia 8020
- V** *Astrocaryum murumuru* Mart. var. *ciliatum* (Kahn & Millán) Henderson 20883  
V 20883 Colombia 20883
- V** *Astrocaryum murumuru* Mart. var. *ferrugineum* (Kahn & Millán) Henderson 20883, 20826  
V 20883 Brazil 20883
- R** *Astrocaryum murumuru* Mart. var. *huicungo* (Dammer) Henderson 20883  
R 20883 Peru 20883
- R** *Astrocaryum murumuru* Mart. var. *huincungo* (Kahn & Millán) Henderson 20826

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Astrocaryum*

- R 19614 Peru 17955
- R *Astrocaryum murumuru* Mart. var. *javarense* (Trail)  
Henderson 20883  
V 20883 Brazil 20883  
V 20883 Peru 20883
- R *Astrocaryum murumuru* Mart. var. *macrocalyx*  
(Burret) Henderson 20883  
R 20883 Colombia 20883  
V 20883 Peru 20883
- E *Astrocaryum murumuru* Mart. var. *perangustatum*  
(Kahn & Millán) Henderson 20883, 20826  
E 20883 Peru 20883
- V *Astrocaryum murumuru* Mart. var. *urostachys*  
(Burret) Henderson 20883  
V 20883 Ecuador 20883  
E 20883 Peru 20883
- E *Astrocaryum triandrum* Galeano, Bernal & Kahn 20883,  
16853  
V 16853 Colombia 20883
- I *Attalea amygdalina* Knuth. 8020  
I 16853 Colombia 8020
- R *Attalea attaleoides* (Barb. Rodr.) Wess. Boer 20883,  
8020  
V 20883 Brazil 20883  
R 20883 French Guiana 20883  
E 20883 Suriname 20883
- R *Attalea colenda* (Cook) Balslev & Henderson 20883,  
14868  
V 20883 Colombia (Narino) 20883  
R 20883 Ecuador (western Andean slopes) 20883  
I 20883 Peru 20883
- E *Attalea crassispatha* (Mart.) Burret 14799  
E 14799 Haiti (southwestern peninsula) 8743
- R *Attalea cuatrecasana* (Dugand) R. Bernal, Galeano &  
Henderson 20826  
I 20826 Bolivia 20826  
V 19614 Brazil 8020  
R 16853 Colombia 20826  
I 20826 Ecuador 20826
- V *Attalea dubia* (Mart.) Burret 8020  
V 19614 Brazil (Atlantic forest) 8743
- R *Attalea eichleri* (Drude) Henderson 20883, 20826  
E 20883 Bolivia 20883  
R 20883 Brazil 20883
- I *Attalea geraensis* Barb. Rodr. 8020  
V 19614 Brazil (Atlantic forest) 8743  
I Brazil - Bahia 20826  
I Brazil - Goias 20826  
I Brazil - Minas Gerais 20826  
I Brazil - Rio de Janeiro 20826  
I Brazil - Sao Paulo 20826  
I Paraguay 20826
- V *Attalea humilis* Mart. ex Sprengel 8020  
V 19614 Brazil (Atlantic forest) 8743
- V *Attalea iguadummat* de Nerves 20883  
I 20883 Panama 20883
- R *Attalea luetzelburgii* (Burret) Wess. Boer. 20883  
E 20883 Brazil 20883  
E 20883 Colombia 20883  
E 20883 Venezuela 20883
- I *Attalea oleifera* Barb. Rodr. 8020  
I Brazil - Alagoas 20826  
V 19614 Brazil - Bahia (Reconcavo) 8743  
I Brazil - Espirito Santo 20826
- I Brazil - Paraiba 20826  
I Brazil - Pernambuco 20826  
I Brazil - Sergipe 20826
- E *Attalea septuagenata* Dugand 20883, 11813  
E 20883 Colombia (Amazon) 20883
- V *Attalea spectabilis* Mart. 20883  
V 20883 Brazil 20883
- R *Attalea tessmannii* Burret 20883, 11813  
E 20883 Brazil 20883  
V 20883 Peru (Amazon) 20883
- R *Bactris acanthocarpa* var. *intermedia*  
Henderson 20883  
E 20883 Brazil 20883  
R 20883 French Guiana 20883
- R *Bactris aubletiana* Trail 20883, 8020  
I 20883 French Guiana 20883  
E 20883 Suriname 20883
- V *Bactris caryotifolia* Mart. 8020  
V 19614 Brazil (Atlantic forest) 8020
- I *Bactris charmleyae* Nevers & Grayum 20826  
I 20826 Panama 20826
- R *Bactris coloniata* L.H. Bailey 20883, 8020  
R 20883 Panama 20883  
E 20883 Colombia 20883  
I 20826 Peru 20883
- R *Bactris concinna* var. *sigmoidea*  
Henderson 20883  
V 20883 Bolivia 20883  
E 20883 Brazil 20883  
R 20883 Peru 20883
- R *Bactris constanciae* Barb. Rodr. 20883, 8020  
V 20883 Brazil 20883  
R 20883 French Guiana 20883  
E 20883 Guyana 20883  
E 20883 Suriname 20883
- E *Bactris faucium* C. Martius 20883, 8020  
E 20883 Bolivia 20883
- R *Bactris fissifrons* Mart. 20883, 8020  
V 20883 Brazil 20883  
V 20883 Colombia 20883  
V 20883 Peru 20883
- V *Bactris hirta* var. *mollis* (Dammer)  
Henderson 20883  
E 20883 Brazil 20883  
E 20883 Colombia 20883  
V 20883 Peru 20883
- V *Bactris jamaicana* L.H. Bailey 20883, 8020  
V 20883 Jamaica 20883
- V *Bactris longiseta* H. Wendl. ex Burret 8020  
V Costa Rica 8020
- R *Bactris major* Jacq.f. var. *megalocarpa* (Trail)  
Henderson 20883  
E 20883 Brazil 20883  
V 20883 Colombia 20883  
V 20883 Guyana 20883  
V 20883 Venezuela 20883
- R *Bactris major* Jacq.f. var. *socialis* Drude in  
Mart. 20883  
R 20883 Bolivia 20883
- R *Bactris maraja* Mart. var. *chaetospatha* (Mart.)  
Henderson 20883  
V 20883 Brazil 20883  
V 20883 Peru 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Bactris*

- V** *Bactris oraria* L.H. Bailey 20883  
**V** 20883 Panama 20883
- V** *Bactris pickelii* Burret 8020  
**V** 19614 Brazil (Atlantic forest) 8743
- R** *Bactris ptariana* Steyerl. 20883, 8020  
**R** 20883 Guyana 20883  
**E** 20883 Venezuela 20883
- R** *Bactris rhipidacantha* Wess. Boer. 20883  
**R** 20883 French Guiana 20883  
**V** 20883 Suriname 20883
- I** *Bactris setulosa* Karsten 8020  
**I** Trinidad & Tobago 20826  
**I** 16853 Colombia 20826  
**I** Ecuador 20826  
**V** Venezuela 20826
- R** *Bactris socialis* C. Martius 20883, 8020  
**R** 20883 Bolivia 20883  
**I** 20883 Brazil 20883
- V** *Bactris syagroides* Barb. Rodr. & Trail 20883, 8020  
**V** 20883 Brazil 20883
- V** *Bactris tefensis* Henderson 20883  
**V** 20883 Brazil 20883
- V** *Bactris turbinocarpa* Barb. Rodr. 20883, 8020  
**E** 20883 Brazil 20883  
**V** 20883 Suriname 20883
- R** *Balaka brachyclamys* Burr. 15308  
**R** 15308 Western Samoa (Savai'i and Upolu) 15308
- R** *Balaka longirostris* Becc. 10253  
**R** 17945 Fiji (Viti Levu) 10253
- V** *Balaka macrocarpa* Burret 10253  
**V** 17945 Fiji (Viti Levu & Vanua Levu) 10253
- R** *Balaka microcarpa* Burret 10253  
**R** 17945 Fiji (SE Viti Levu) 10253
- R** *Balaka samoensis* Becc. 15308  
**R** 15308 Western Samoa (Savai'i) 15308
- V** *Balaka seemanii* (H.A. Wendl.) Becc. 10253  
**V** 15184 Fiji (Vanua Levu & Taveuni) 10253
- R** *Balaka taitensis* (Wendl.) Becc. 15308  
**R** 17945 Western Samoa (Upolu) 15308
- R** *Balaka tuasivica* Christophersen 17945  
**R** 17945 Western Samoa (Savai'i) 17945
- V** *Barcella odora* (Trail) Drude in Mart. 20883, 9996  
**V** 20883 Brazil 20883
- R** *Basselinia deplanchei* (Brong. & Gris.) Vieill. 10238  
**R** 15184 New Caledonia 10238
- V** *Basselinia favieri* H.E. Moore 10523  
**V** 20893 New Caledonia (Mont Panié) 10523
- I** *Basselinia gracilis* (Brongn. & Gris) Vieill. 10238  
**I** 15184 New Caledonia 10238
- R** *Basselinia humboldtiana* (Brongn.) H.E. Moore 10523  
**R** 20893 New Caledonia (southeast) 10523
- V** *Basselinia iterata* H.E. Moore 10523  
**V** 20893 New Caledonia (northeast) 10523
- R** *Basselinia pancheri* (Brongn. & Gris) Vieill. 10238  
**R** 15184 New Caledonia 10238
- R** *Basselinia porphyrea* H.E. Moore 10523  
**R** 20893 New Caledonia (serpentine, southwest) 10523
- R** *Basselinia sordida* H.E. Moore 10523  
**R** 10523 New Caledonia (serpentine, west) 10523
- V** *Basselinia tomentosa* Becc. 10238  
**V** 20893 New Caledonia 10238
- R** *Basselinia velutina* Becc. 10238  
**R** 15184 New Caledonia 10238
- V** *Basselinia vestita* H.E. Moore 10523  
**V** 20893 New Caledonia (serpentine) 10523
- E** *Beccariophenix madagascariensis* Jum. & H. Perrier 11813  
**E** 20071 Madagascar (Analamazaotra) 20071
- R** *Bentinckia condapanna* Berry 13883  
**R** 14827 India - Kerala 14827  
**R** 13883 India - Tamil Nadu (S Travancore & Tirunelveli Hills) 13883
- V** *Bentinckia nicobarica* (Kurz) Becc. 14827  
**V** 14827 India - Nicobar Is. 14827
- I** *Borassodendron machadonis* Becc. 10260  
**I** Thailand 10238  
**V** Malaysia - Peninsular Malaysia 10249
- V** *Borassus madagascariensis* Bojer ex Jum. & H. Perrier 10246  
**V** 20071 Madagascar (west) 20071
- E** *Borassus sambiranensis* Jum. & H. Perrier 10246  
**E** 17951 Madagascar (north-west) 20071
- V** *Brahea aculeata* (T.S. Brandegee) H.E. Moore 10260  
**V** 19850 Mexico 8020
- V** *Brahea decumbens* Rzed. 8020  
**V** Mexico 8020
- E** *Brahea edulis* S.Watson 11813  
**E** 11813 Mexico - Guadalupe (island slopes) 8743
- R** *Brahea moorei* L.H. Bailey ex H.E. Moore 8020  
**R** 19850 Mexico 8020
- I** *Brahea nitida* Andre 8778  
**I** 20827 Guatemala 20826  
**V** Mexico 8778
- V** *Brahea pimo* Becc. 10260  
**V** Mexico 8020
- R** *Brongniartikentia lanuginosa* H.E. Moore 20893  
**R** 20893 New Caledonia 15184
- R** *Brongniartikentia vaginata* (Brongn.) Becc.  
**R** 15184 New Caledonia 15184
- V** *Burretioakentia hapala* H.E. Moore  
**V** 2014 New Caledonia 2014
- R** *Burretioakentia vieillardii* (Brongn. & Gris) Pichi-Serm. 10238  
**R** 15184 New Caledonia 10238
- E** *Butia campicola* Barb. Rodr. 20826  
**E** Paraguay 20826
- I** *Butia eriospatha* (Mart. ex Drude) Becc. 20310  
**V** 19614 Brazil (Atlantic forest) 8743  
**I** 19614 Brazil - Rio Grande do Sul 20311  
**I** 19614 Brazil - Santa Catarina 20310
- R** *Butia microspadix* Burret 8904  
**R** 19614 Brazil 8904
- V** *Butia purpurascens* Glassman 8904  
**V** 19614 Brazil (Cerrados in Goias) 8904
- V** *Calamus adspersus* Blume 10238  
**V** Indonesia - Java 10238  
**V** Indonesia - Sumatra 10238
- V** *Calamus andamanicus* Kurz 14827  
**V** 14827 India - Andaman Is. 14827

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Calamus*

- V** *Calamus asperrimus* Blume 10238  
**V** Indonesia - Java 10238
- I** *Calamus bicolor* Becc. 14726  
**I** 14726 Philippines (Mindanao) 14726
- I** *Calamus brandisii* Becc. ex Becc. & Hook.f. 4988  
**I** India - Karnataka (Canara) 4988  
**I** India - Kerala (Courtallum Hills) 10235  
**I** India - Tamil Nadu (Courtallum Hills) 4988
- R** *Calamus ceratophorus* Conrard. 13955  
**R** 15313 Vietnam (Phu Khanh) 13955
- V** *Calamus ciliaris* Blume 10260  
**V** Indonesia - Java 10238  
**V** Indonesia - Sumatra (west, one small area) 10238  
**V** 14703 Malaysia - Sarawak 14703
- V** *Calamus cockburnii* Dransf. 10259  
**V** Malaysia - Peninsular Malaysia (Pahang) 10259
- E** *Calamus conjugatus* Furt. 10260  
**E** 14703 Malaysia - Sarawak 14703
- V** *Calamus corneri* Furt. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- R** *Calamus crassifolius* J. Dransf. 15142  
**R** 15142 Malaysia - Sarawak (kerangas forest) 15142
- I** *Calamus cumingianus* Becc. 14726  
**I** 14726 Philippines (Luzon) 14726
- E** *Calamus delicatulus* Thwaites 7956  
**E** 17945 Sri Lanka 7956
- V** *Calamus digitatus* Becc. 7956  
**V** 17945 Sri Lanka 7956
- R** *Calamus dilaceratus* Becc. 14782  
**R** 14782 India - Andaman Is. 14782
- I** *Calamus dimorphacanthus* Becc. var. *montalbanicus*  
 Becc. 16098  
**I** 14726 Philippines (Luzon) 14726
- I** *Calamus dimorphacanthus* Becc. var. *zambalensis*  
 Becc. 16098  
**I** 14726 Philippines (Luzon) 14726
- R** *Calamus dioicus* Lour. 10260  
**R** Vietnam 8794
- I** *Calamus discolor* Mart. var. *discolor* 14726  
**I** 14726 Philippines (Luzon) 14726
- I** *Calamus discolor* Mart. var. *negrosensis*  
 Becc. 14726  
**I** 14726 Philippines (Siargao) 14726
- R** *Calamus dongnaiensis* Pierre ex Becc. 10260  
**R** Vietnam (south) 8794
- E** *Calamus endauensis* Dransf. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Johor) 10259
- V** *Calamus erectus* Roxb. var. *birmanicus*  
 Becc. 16073  
**V** 20756 China - Yunnan 16073
- V** *Calamus filipendulus* Becc. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- I** *Calamus foxworthyi* Becc. 14726  
**I** 14726 Philippines (Palawan) 14726
- R** *Calamus godefroyi* Becc. 10260
- R** Vietnam 10260
- I** *Calamus grandifolius* Becc. 14726  
**I** 14726 Philippines (Luzon) 14726
- R** *Calamus harmandii* Pierre ex Becc. 10667  
**R** 15313 Laos 10667
- E** *Calamus hepburnii* Dransf. 10258  
**E** 17950 Malaysia - Sabah 10258
- V** *Calamus holttumii* Furt. 10259  
**V** 14701 Malaysia - Peninsular Malaysia (Johor, Trengganu) 10259
- R** *Calamus huegelianus* Mart. 10235  
**R** India - Tamil Nadu (Nilgiri Hills) 18341
- V** *Calamus hypertrichosus* Becc. 14703  
**V** 14703 Malaysia - Sarawak 14703
- R** *Calamus impar* Becc. 14828  
**R** 14828 Indonesia - Kalimantan 14828  
**R** 14828 Malaysia - Sabah 14828  
**R** 14828 Malaysia - Sarawak 14828
- V** *Calamus inermis* T. Anders. 14827  
**V** 19161 Bhutan 14665  
**V** 14827 India - Sikkim 14827  
**V** 14827 India - West Bengal 14827
- I** *Calamus jenningsianus* Becc. 14726  
**I** 14726 Philippines (Mindoro) 14726
- R** *Calamus koorderianus* Becc. 14828  
**R** 14828 Indonesia - Sulawesi 14828
- R** *Calamus laevigatus* Mart. var. *serpentinus*  
 Dransf. 10258  
**R** 14712 Malaysia - Sabah (ultrabasic rock, lowlands) 10258
- V** *Calamus laxissimus* Ridley 10259  
**V** 14701 Malaysia - Peninsular Malaysia 10259
- V** *Calamus longispathus* Ridley 10259  
**V** Malaysia - Peninsular Malaysia 10259
- I** *Calamus megaphyllus* Becc. 14726  
**I** 14726 Philippines (Leyte) 14726
- V** *Calamus melanoloma* Mart. 10238  
**V** Indonesia - Java 10238
- I** *Calamus melanorhynchus* Becc. 14726  
**I** 14726 Philippines (Mindanao) 14726
- V** *Calamus merrillii* Becc. var. *merrillii* 14726  
**V** Philippines
- I** *Calamus meyenianus* Schauer 14726  
**I** 14726 Philippines (Pangasi, Nueva Vizcaya) 14726
- E** *Calamus minutus* Dransf. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Trengganu) 10259
- I** *Calamus mitis* Becc. 14726  
**I** 14726 Philippines (Batanes, Babuyan) 14726
- E** *Calamus moorhousei* Furt. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Negri Sembilan) 10259
- I** *Calamus moseleyanus* Becc. 14726  
**I** 14726 Philippines (Basilan, Malanipa) 14726
- I** *Calamus multinervis* Becc. 14726  
**I** 14726 Philippines (Mindanao) 14726
- V** *Calamus multirameus* Ridley 10259  
**V** Malaysia - Peninsular Malaysia (Perak) 10259

The 1997 IUCN Red List of Threatened Plants

*Liliopsida (monocots): Palmae: Calamus*

- V** *Calamus nagbettai* R.R. Fernandez & Dey 14827  
**V** 14827 India - Karnataka (Coorg & south Kanara) 14827  
**I** Indonesia - Kalimantan 10259  
**I** Indonesia - Sumatra 10259  
**E/V** Malaysia - Peninsular Malaysia (Perak, 1 coll.) 10259
- R** *Calamus nicobaricus* Becc. 10235  
**R** India - Nicobar Is. (Great Nicobar) 10235
- R** *Calamus nielsenii* Dransf. 14703  
**R** 14703 Malaysia - Sarawak 14703
- E** *Calamus ovoideus* Thwaites ex Trimen 7956  
**E** 17945 Sri Lanka 7956
- E** *Calamus pachystemon* Thwaites 7956  
**E** 19614 Sri Lanka 7956
- E** *Calamus padangensis* Furt. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (G Padang) 10259
- R** *Calamus penicillatus* Roxb. 10259  
**R** Malaysia - Peninsular Malaysia (Penang Hill) 10259
- V** *Calamus poensis* Becc. 14703  
**V** 14703 Malaysia - Sarawak 14703
- V** *Calamus poilanei* Conrard. 13955  
**K** 20985 Vietnam (Lam Dong, Phu Khanh) 13955
- E** *Calamus pulaiensis* Becc. 10249  
**E** 14701 Malaysia - Peninsular Malaysia 10249
- R** *Calamus pycnocarpus* (Furt.) Dransf. 10259  
**R** Malaysia - Peninsular Malaysia (Trengganu) 10259
- V** *Calamus quinquenervius* Roxb. 7956  
**V** 14872 Bangladesh 7956
- E** *Calamus radiatus* Thwaites 7956  
**E** 17945 Sri Lanka 7956
- E** *Calamus radulosus* Becc. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Perak) 10259
- V** *Calamus ridleyanus* Becc. 10259  
**V** 14701 Malaysia - Peninsular Malaysia (Trengganu; Johor) 10259  
**V** 20099 Singapore 20099
- V** *Calamus rivalis* Thwaites ex Trimen 7956  
**V** 19614 Sri Lanka 7956
- V** *Calamus robinsonianus* Becc. 14828  
**V** 14828 Indonesia - Moluccas 14828
- R** *Calamus scutellaris* Becc. 13955  
**R** 15313 Vietnam (Thanh Hoa.) 13955
- V** *Calamus sedens* Dransf. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- V** *Calamus semoi* Becc. 14703  
**V** 14703 Malaysia - Sarawak 14703
- E** *Calamus senalingensis* Dransf. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Negeri Sembilan) 10259
- E** *Calamus setulosus* Dransf. 10259  
**E** 14701 Malaysia - Peninsular Malaysia (Perak) 10259
- V** *Calamus simplex* Becc. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- R** *Calamus spectabilis* Blume 10238  
**Ex/E** Indonesia - Java 10238  
**R** Indonesia - Sumatra 10238
- I** *Calamus spectatissimus* Furt. 10259  
**I** Thailand 8794
- V** *Calamus tanakadatei* Furt. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- R** *Calamus tonkinensis* Becc. 10260  
**R** Vietnam 8794
- I** *Calamus trispermus* Becc. 14726  
**I** 14726 Philippines (Luzon) 14726
- V** *Calamus vanuatuensis* J. Dowe 15184  
**V** 19614 Vanuatu 15184
- I** *Calamus vidalianus* Becc. 14726  
**I** 14726 Philippines (Luzon) 14726
- I** *Calamus vinosus* Becc. 14726  
**I** 14726 Philippines (Mindanao) 14726
- R** *Calamus vitiensis* Warb. ex Becc. 10253  
**R** 15184 Fiji (Viti Levu & Taveuni) 10253
- V** *Calamus whitmorei* Dransf. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- E** *Calamus zeylanicus* Becc. 7956  
**E** 17945 Sri Lanka 7956
- V** *Calospatha scortechinii* Becc. 10259  
**V** Malaysia - Peninsular Malaysia 10259
- V** *Calyptrogyne anomala* de Nevers & Henderson 20883  
**I** 20883 Panama 20883
- I** *Calyptrogyne condensata* (L.H. Bailey) J.G.W. Boer 8020  
**I** Costa Rica 8020  
**I** Panama 8020
- I** *Calyptrogyne kunaria* Nevers 20826  
**I** 20826 Panama 20826
- I** *Calyptrogyne pubescens* Nevers 20826  
**I** 20826 Panama 20826
- I** *Calyptrogyne trichostachys* Burret 8020  
**V** Costa Rica 8020  
**I** 20827 Panama 20826
- R** *Calyptronoma occidentalis* (Sw.) H.E. Moore 20883, 9996  
**I** 20990 Cuba 20990  
**R** 20883 Jamaica 20883
- E** *Calyptronoma rivalis* (O.F. Cook) Bailey 20883, 14799  
**E** 8743 Dominican Republic 8743  
**V** 14799 Haiti 14799  
**I** 20883 Puerto Rico (north-west) 20883
- R** *Campecarpus fulcitus* (Brongn.) Becc. 13954  
**R** 15184 New Caledonia (Southern end of Grande Terre, at altitude (100- 800m)) 15184
- E** *Carpoxylon macrospermum* H.A. Wendland & Drude 15139  
**E** 15139 Vanuatu 15139
- I** *Caryota no* Becc. 23  
**I** Indonesia - Kalimantan  
**I** 14712 Malaysia - Sabah 14712  
**I** Malaysia - Sarawak
- I** *Caryota rumphiana* Mart. var. *oxyodonta* Becc. 14726  
**I** 14726 Philippines (Luzon) 14726
- E** *Ceratolobus glaucescens* Blume 11813  
**E** 14828 Indonesia - Java 14828
- E** *Ceratolobus pseudoconcolor* Dransf. 10571  
**E** Indonesia - Java (west, 600-900 m, 2 locs)

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Ceratolobus*

- 10571  
E Indonesia - Sumatra (south) 10571
- E** *Ceroxylon alpinum* Bonpl. ex D.C. ssp. *alpinum* 20826  
E 8743 Colombia (Cordillera Occidental) 8743  
E 20826 Venezuela 20826
- E** *Ceroxylon alpinum* Bonpl. ex D.C. ssp. *ecuadorensis*  
Galeano 20826  
E 20826 Ecuador 20826
- I** *Ceroxylon quindiuense* (Karsten) H. Wendl. 8020  
I 19436 Colombia (central Andes) 8020
- E** *Ceroxylon sasaimae* Galeano 20826  
E 20826 Colombia 20826
- V** *Chamaedorea adscendens* (Dammer) Burret 8020  
V 17615 Belize 8020  
V 17615 Guatemala 8020
- R** *Chamaedorea allenii* L.H. Bailey 20883, 17615  
I 14236 Costa Rica 20826  
R 20883 Panama 20883  
K 17615 Colombia 14242
- E** *Chamaedorea amabilis* H. Wendl. ex Dammer 11813  
E 8743 Costa Rica 8743  
E 15202 Panama 14813  
E 15202 Colombia 14813
- R** *Chamaedorea angustisecta* Burret 20883, 17615  
R 20883 Bolivia 20883  
V 20883 Brazil 20883  
R 20883 Peru 20883
- E** *Chamaedorea brachyclada* H. Wendl. 8020  
E 14236 Costa Rica 11997  
E 14236 Panama 8020
- E** *Chamaedorea brachypoda* Standley & Steyerf. 8020  
E 15202 Guatemala 8020  
E 20826 Honduras 20826
- I** *Chamaedorea carchensis* Standley & Steyerf. 8020  
I 17615 Guatemala 8020  
V 19850 Mexico - Chiapas 20826
- R** *Chamaedorea castillo-montii* D.R. Hodel 15202  
R 15202 Guatemala 15202
- E** *Chamaedorea corraeae* D.R. Hodel & N.W. Uhl 14797  
E 17615 Panama (Veragues, Cocle, Colon) 14797
- R** *Chamaedorea deckeriana* (Klotzsch) Hemsley 8020  
V 15202 Costa Rica 8020  
V 14236 Panama 15202  
R 16853 Colombia 16853
- I** *Chamaedorea deneversiana* M.H. Grayum & D.R. Hodel 15202  
I 15202 Panama 15202  
I 20826 Ecuador 20826
- I** *Chamaedorea donnell-smithii* Dammer 8020  
I 15202 Honduras 8020
- V** *Chamaedorea fractiflexa* D.R. Hodel & J.J. Castillo 15202  
V 19848 Guatemala 15202  
V 19848 Mexico - Chiapas 15202
- R** *Chamaedorea fragans* (R. & P.) C. Martius 20883  
I 20883 Bolivia 20883  
R 20883 Peru 20883
- I** *Chamaedorea geomorphiformis* H. Wendl. 17615  
V 15202 Belize 8020  
I 20826 Costa Rica 20826  
V 15202 Guatemala 8020  
V 15202 Honduras 8020
- V 19850 Mexico - Chiapas 20826  
V 19850 Mexico - Oaxaca 20826  
V 19850 Mexico - Veracruz 20826
- E** *Chamaedorea glaucifolia* H. Wendl. 8020  
E 19850 Mexico - Chiapas 8020
- V** *Chamaedorea graminifolia* H. Wendl. 17615  
V 17615 Belize 15202  
V 17615 Costa Rica 17615  
V 17615 Guatemala 15202  
V 17615 Mexico 15202
- R** *Chamaedorea guntheriana* D.R. Hodel & N.W. Uhl 14797  
R 15202 Panama 14797
- V** *Chamaedorea hooperiana* Hodel 17615  
V 17615 Mexico - Veracruz 20826
- R** *Chamaedorea klotzschiana* H. Wendl. 8020  
R 19850 Mexico - Veracruz 20826
- I** *Chamaedorea lehmannii* Burret 8020  
I 15202 Guatemala 8020
- R** *Chamaedorea lucidifrons* L.H. Bailey 20883, 17615  
R 20883 Panama 20883
- E** *Chamaedorea macrospadix* Oersted 8020  
E 20826 Costa Rica 8020
- V** *Chamaedorea microphylla* Wendl. 20883, 17615  
V 20883 Panama 20883
- V** *Chamaedorea microspadix* Burret 8020  
V 19850 Mexico 8020
- R** *Chamaedorea murriensis* Galeano 9997  
I 20826 Panama 20826  
R 15202 Colombia 20826
- R** *Chamaedorea nationsiana* D.R. Hodel & J.J. Castillo 15202  
R 15202 Guatemala 15202
- V** *Chamaedorea oreophila* C. Martius 8020  
V 15202 Mexico - Oaxaca 20826  
V 15202 Mexico - Veracruz 20826
- V** *Chamaedorea pachecoana* Standley & Steyerf. 8020  
V 15202 Guatemala 8020
- I** *Chamaedorea palmeriana* D.R. Hodel & N.W. Uhl 15202  
I 15202 Costa Rica 15202  
I 15202 Panama 15202
- I** *Chamaedorea parvifolia* Burret 17615  
I 17615 Costa Rica 8020
- V** *Chamaedorea pittieri* L.H. Bailey 20883, 17615  
I 17615 Costa Rica 16283  
V 20883 Panama 20883
- V** *Chamaedorea pochutlensis* Liebm. ex C. Martius 8020  
V 19850 Mexico 8020
- E** *Chamaedorea pumila* H. Wendl. ex Dammer 17615  
E 15202 Costa Rica 8020
- I** *Chamaedorea pygmaea* H. Wendl. 17615  
V 17615 Costa Rica 15202  
I 20826 Guatemala 20826  
V 17615 Panama 8020  
V 17615 Colombia 8020
- V** *Chamaedorea queroana* D.R. Hodel 15202  
V 19850 Mexico - Oaxaca 15202
- V** *Chamaedorea radicalis* C. Martius 8020  
V 15202 Mexico 8020
- V** *Chamaedorea rhizomatosa* D.R. Hodel 15202  
V 19850 Mexico - Oaxaca 15202
- V** *Chamaedorea rigida* H. Wendl. ex Dammer 17615

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Chamaedorea*

- V 19850 Mexico - Oaxaca 8020
- I** *Chamaedorea robertii* D.R. Hodel & N.W. Uhl 15202  
 I 15202 Costa Rica 15202  
 I 15202 Panama 15202
- I** *Chamaedorea rojasiana* Standley & Steyererm. 8020  
 I 15202 Guatemala 8020  
 V 19850 Mexico - Chiapas 8020
- I** *Chamaedorea sartorii* Liebm. 8020  
 I 15202 Honduras 8020  
 V 19850 Mexico - Oaxaca 20826  
 V 19850 Mexico - Puebla 20826  
 V 19850 Mexico - Veracruz 20826
- E** *Chamaedorea scheryi* L.H. Bailey 20883, 8020  
 I 15202 Costa Rica 15202  
 E 20883 Panama 20883
- V** *Chamaedorea schiedeana* C. Martius 8020  
 V 19850 Mexico - Oaxaca 20826  
 V 19850 Mexico - Puebla 20826  
 V 19850 Mexico - Veracruz 9114
- V** *Chamaedorea seifrizii* Burret 8020  
 V 15202 Belize 15202  
 V 15202 Guatemala 15202  
 V 15202 Honduras 15202  
 V 20826 Mexico - Campeche 20826  
 V 20826 Mexico - Quintana Roo 20826  
 V 15202 Mexico - Tabasco 9114  
 V 15202 Mexico - Yucatan 9114
- V** *Chamaedorea selvae* Hodel 17615  
 V 17615 Costa Rica 17615  
 V 17615 Nicaragua 17615
- V** *Chamaedorea simplex* Burret 8020  
 E 15202 Guatemala 8020  
 V 20826 Mexico - Chiapas 20826
- V** *Chamaedorea smithii* A. Gentry 20883, 8801  
 I 20883 Peru (Rondayacu Podocarp forests) 20883
- V** *Chamaedorea stolonifera* H. Wendl. ex Hook. 8020  
 V 20826 Mexico - Chiapas 20826
- V** *Chamaedorea stricta* Standley & Steyererm. 8020  
 E 15202 Costa Rica 15202  
 E 15202 Guatemala 8020  
 V 20826 Mexico - Chiapas 20826  
 V 20826 Panama 20826
- E** *Chamaedorea sullivaniorum* D.R. Hodel & N.W. Uhl 14797  
 E 15202 Costa Rica 15202  
 E 15202 Panama 15202  
 E 15202 Colombia 15202
- E** *Chamaedorea tenerrima* Burret 8020  
 E 15202 Guatemala 8020
- E** *Chamaedorea tuerckheimii* (Dammer) Burret 8020  
 E 15202 Guatemala 8020  
 E 20826 Mexico - Oaxaca 20826  
 E 15202 Mexico - Veracruz 9114
- E** *Chamaedorea undulatifolia* D.R. Hodel & N.W. Uhl 14798  
 E 15202 Costa Rica (Puntarenas, Alajuela, Heredia, San Jose) 14798
- E** *Chamaedorea verecunda* Grayum & D.R. Hodel 14805  
 E 14805 Panama (Chiriqui province) 14805
- I** *Chamaedorea volcanensis* D.R. Hodel & J.J. Castillo 15202  
 I 15202 Guatemala 15202
- V** *Chamaedorea whitelockiana* D.R. Hodel & N.W. Uhl 14811  
 V 20826 Mexico - Chiapas 20826  
 V 19850 Mexico - Oaxaca 14811
- R** *Chambeyronia lepidota* H.E. Moore 10237  
 R 20893 New Caledonia 10237
- R** *Chambeyronia macrocarpa* Vieill. ex Becc. 10238  
 R 15184 New Caledonia 10238
- R** *Chelyocarpus chuco* (C. Martius) H. Moore 20883, 9996  
 R 20883 Bolivia 20883  
 I 20883 Brazil 20883
- R** *Chelyocarpus Dianeurus* (Burret) H.E. Moore 11813  
 R 16853 Colombia (west) 8743
- E** *Chelyocarpus repens* F. Kahn & K. Mejia 20883, 15155  
 I 20883 Peru 20883
- E** *Chuniophoenix hainanensis* Burret 17617  
 E 17617 China - Hainan Is. 11139
- E** *Chuniophoenix humilis* C.Z. Tang & T.L. Wu 11139  
 E China - Hainan Is. 11139
- R** *Clinosperma bracteale* (Brongn.) Becc.  
 R 15184 New Caledonia 15184
- R** *Clinostigma exorrhizum* (H.A. Wendl.) Becc. 10253  
 R 15184 Fiji (Viti Levu, Vanua Levu, Taveuni, Gau) 10253
- V** *Clinostigma haerestigma* H.E. Moore 15138  
 V 15138 Solomon Is. - South (ultrabasic soils, southeast Ysabel) 15138
- R** *Clinostigma harlandii* Becc. 13954  
 R 13954 Vanuatu (Vanua Lava, Espiritu Santo, Pentecost, Efate, Erromango, Aneityum (?)) 13954
- R** *Clinostigma samoense* Wendl. 15308  
 R 17945 Western Samoa (Upolu) 15308
- R** *Clinostigma savoryana* (Rehder & Wils.) Moore & Fosb. 10237  
 R 19134 Japan - Ogasawara-shoto 18128
- E** *Coccothrinax borhidiana* Muniz 5607  
 E 19105 Cuba (Matanzas) 5607
- R** *Coccothrinax crinita* Becc. ssp. *brevicrinis* Borhidi & Muniz 9774  
 R 19105 Cuba (Cienfuegos; S. Spiritus) 9774
- E** *Coccothrinax crinita* Becc. ssp. *crinita* 11813  
 E 19105 Cuba (Pinar del Rio) 9774
- I** *Coccothrinax ekmanii* Burret 14799  
 I 20826 Cuba 20826  
 I Dominican Republic 8020  
 E/V 15199 Haiti 8020
- R** *Coccothrinax inaguensis* R.W. Read 8020  
 R Bahamas 8766  
 E 19105 Cuba 20826  
 R Turks & Caicos Is. 8766
- I** *Coccothrinax miraguama* (Kunth) Leon 20826  
 I 20990 Cuba 20826  
 I 20826 Dominican Republic 20826  
 I 20826 Haiti 20826
- R** *Coccothrinax pauciramosa* Burret 11813  
 R 20826 Cuba 20826
- V** *Colpotherinax wrightii* Griseb. & H. Wendl. ex Siebert & Voss 9244  
 V 19105 Cuba (Pinar del Rio; I. de Pines) 9774
- R** *Copernicia baileyana* León 9244  
 R 20826 Cuba 9774
- R** *Copernicia brittonorum* León 9244

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Copernicia*

- R 19105 Cuba (PR; M; C1) 5607
- E *Copernicia ekmanii* Burret 11813  
E 14799 Haiti (north-west) 8743
- R *Copernicia gigas* E.L. Ekman ex Burret 9244  
R 19105 Cuba 5607
- R *Copernicia hospita* Mart. 9244  
R 20826 Cuba 9774
- R *Copernicia rigida* Britton & Wilson 9244  
R 20826 Cuba 9774
- R *Corypha macropoda* Kurz 14782  
R 14782 India - Andaman Is. (south) 14782
- I *Corypha microclada* Becc. 14726  
I 14726 Philippines (Biliran Is.) 14726
- Ex *Corypha taliera* Roxb. 14827  
Ex 14827 India (Bengal) 14827
- R *Corypha umbraculifera* L. 17661  
R 17661 India - Kerala (Malabar coast) 4988  
R 19614 Sri Lanka 17661
- E *Cryosophila cookii* Bartlett 11813  
E 8743 Costa Rica 8743
- I *Cryosophila grayumii* R.Evans 20826  
I 20826 Costa Rica 20826
- V *Cryosophila guagara* Allen 8020  
V Costa Rica 8020  
V 21205 Panama 20826
- I *Cryosophila kalbreyeri* (Dammer ex Burret) Dahlgren 11813  
I 20826 Panama 20826  
I 20826 Colombia (north-west) 8743
- V *Cryosophila nana* (Kunth) Blume ex Salomon 8020  
V 19850 Mexico 8020
- V *Cryosophila williamsii* P.H. Allen 8020  
V 19614 Honduras 8020
- R *Cyphokentia macrostachya* Brongn. 10238  
R 15184 New Caledonia 10238
- V *Cyphophoenix elegans* (Brongn. & Gris) H. Wendl. 10238  
V 20893 New Caledonia 10238
- E *Cyphophoenix nucele* H.E. Moore 20893  
E 20893 New Caledonia (Loyalty Is.) 15184
- R *Cyphosperma balansae* (Brongn.) H. Wendl. ex Salomon 10238  
R 15184 New Caledonia 10238
- V *Cyphosperma tanga* (H.E. Moore) H.E. Moore 10253  
V 15184 Fiji (Viti Levu) 10253
- R *Cyphosperma trichospadix* (Burret) H.E. Moore 10253  
R 15184 Fiji (Vanua Levu & Taveuni) 10253
- R *Cyphosperma voutmelensis* J. Dowe 15184  
R 19614 Vanuatu 15184
- R *Cyrtostachys kisu* Beccari 15138  
R 17945 Solomon Is. - South 15138
- I *Daemonorops affinis* Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- I *Daemonorops clemensiana* Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- I *Daemonorops curranii* Becc. 14726  
I 14726 Philippines (low altitude) 13833
- I *Daemonorops gracilis* Becc. 14726  
I 14726 Philippines (low altitude) 13833
- R *Daemonorops leptopus* (Griff.) Mart. 10259  
V Malaysia - Peninsular Malaysia (Terengganu, Pahang, Melaka, Negeri Sembilan, Johor) 10259  
R 20099 Singapore 20099
- I *Daemonorops loheriana* Becc. 14726  
I 14726 Philippines (Luzon) 14726
- R *Daemonorops longispathus* Becc. 15313  
R 15313 Vietnam 15313
- V *Daemonorops macrophylla* Becc. 10259  
V Malaysia - Peninsular Malaysia 10259
- R *Daemonorops manii* Becc. 10235  
R India - Andaman Is. 10235
- I *Daemonorops margaritae* (Hance) Becc. var. *palawanicus* Becc. 13833  
I 13833 Philippines 13833
- E *Daemonorops oligophylla* Becc. 10259  
E 14701 Malaysia - Peninsular Malaysia (Perak, type loc. only) 10259
- I *Daemonorops pannosa* Becc. 14726  
I 14726 Philippines (Leyte) 14726
- V *Daemonorops sepal* Becc. 10259  
V Malaysia - Peninsular Malaysia 10259
- E *Daemonorops unijuga* Dransf. 14703  
E 14703 Malaysia - Sarawak 14703
- I *Daemonorops urdanetana* Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- V *Deckenia nobilis* H.A. Wendl. 14296  
V Seychelles (granitic) 14296
- R *Desmoncus cirriperus* Gentry & Zardini 16853  
R 16853 Colombia 16853
- E *Desmoncus latisectus* Burret 20883, 8020  
E 20883 Bolivia 20883
- R *Desmoncus mitis* var. *leptoctonus* Henderson 20883  
V 20883 Bolivia 20883  
R 20883 Brazil 20883
- R *Desmoncus mitis* var. *leptospadix* (Mart.) Henderson 20883  
I 20883 Bolivia 20883  
I 20883 Brazil 20883  
E 20883 Colombia 20883  
R 20883 Peru 20883
- R *Desmoncus mitis* var. *rurrenabaquensis* Henderson 20883  
R 20883 Bolivia 20883  
R 20883 Peru 20883
- R *Desmoncus polyacanthos* var. *prunifer* (Mart.) Henderson 20883  
V 20883 Colombia 20883  
V 20883 Ecuador 20883  
R 20883 Peru 20883
- R *Desmoncus stans* Grayum & de Nevers 11992  
R 11992 Costa Rica 11992
- R *Dictyocaryum fuscum* (Karsten) H. A. Wendl. 20883, 8020  
I 20883 Venezuela 20883
- E *Dictyosperma album* (Bory) H.Wendl. & Drude ex Scheffer var. *album* 10082  
E 10082 Réunion 10082  
E 20771 Mauritius 10082
- E *Dictyosperma album* (Bory) H.Wendl. & Drude ex Scheffer



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Dictyosperma*

var. *aureum* Balf. f. 10082

E 5852 Mauritius - Rodrigues 5852

**E** *Dictyosperma album* (Bory) Wendl. & Drude ex Scheff. var. *conjugatum* Moore & Guého 10082

E 20771 Mauritius (Round Is.) 10598

**R** *Drymophloeus lepidotus* H.E. Moore 15138

R 17945 Solomon Is. - South 15138

**E** *Drymophloeus oliviformis* (Giseke) Miq. 14828

E 14828 Indonesia - Moluccas 14828

**R** *Drymophloeus pachycladus* (Burret) H.E. Moore 15138

R 17945 Solomon Is. - South (Makira) 15138

**R** *Drymophloeus samoensis* 17945

R 17945 Western Samoa 17945

**R** *Drymophloeus subdistichus* (H.E. Moore) H.E. Moore 15138

R 15138 Solomon Is. - South 15138

**Ex/E** *Dypsis acaulis* J. Dransf. 20071

Ex/E 20071 Madagascar (Masoala Peninsula) 20071

**Ex/E** *Dypsis ambanjae* Beentje 20071

Ex/E 20071 Madagascar (Sambirano River) 20071

**E** *Dypsis ambilaensis* J. Dransf. 20071

E 20071 Madagascar 20071

**E** *Dypsis ambositrae* Beentje 20071

E 20071 Madagascar (near Ambositra) 20071

**E** *Dypsis ampasindavae* Beentje 20071

E 20071 Madagascar (Nosy Be; Manongarivo Mts) 20071

**R** *Dypsis andapae* Beentje 20071

R 20071 Madagascar 20071

**R** *Dypsis andrianatonga* Beentje 20071

R 20071 Madagascar 20071

**E** *Dypsis angusta* Jum. 10246

E 20071 Madagascar 20071

**E** *Dypsis angustifolia* (H. Perrier) Beentje & J.

Dransf. 10246

E 20071 Madagascar (Betampona) 20071

**Ex/E** *Dypsis anovensis* J. Dransf. 20071

Ex/E 20071 Madagascar (Anove River) 20071

**E** *Dypsis antanambensis* Beentje 20071

E 20071 Madagascar (Mananara Avaratra) 20071

**I** *Dypsis aquatilis* Beentje 20071

I 20071 Madagascar (Manantenina) 20071

**E** *Dypsis arenarum* (Jum.) Beentje & J. Dransf. 20071

E 20071 Madagascar 20071

**E** *Dypsis basilonga* (Jum. & H. Perrier) Beentje & J.

Dransf. 20071

E 20071 Madagascar (Vatovavy) 20071

**E** *Dypsis beentjei* J. Dransf. 20071

E 20071 Madagascar (east coast) 20071

**E** *Dypsis bejofo* Beentje 20071

E 20071 Madagascar 20071

**V** *Dypsis bernierana* (Baill.) Beentje & J.

Dransf. 20071

V 20071 Madagascar 20071

**Ex/E** *Dypsis betamponensis* (Jum.) Beentje & J.

Dransf. 20071

Ex/E 20071 Madagascar (Betampona) 20071

**E** *Dypsis boiviniana* Baill. 10246

E 20071 Madagascar 20071

**V** *Dypsis bonsai* Beentje 20071

V 20071 Madagascar 20071

**Ex/E** *Dypsis bossieri* J. Dransf. 20071

Ex/E 20071 Madagascar 20071

**E** *Dypsis brevicaulis* (Guillaumet) Beentje & J.

Dransf. 20071

E 20071 Madagascar (east coast) 20071

**Ex/E** *Dypsis canaliculata* (Jum.) Beentje & Dransf. 20071

Ex/E 20071 Madagascar 20071

**Ex/E** *Dypsis canescens* (Jum. & Perrier) Beentje & J.

Dransf. 20071

Ex/E 20071 Madagascar (north west) 20071

**E** *Dypsis caudata* Beentje 20071

E 20071 Madagascar (Masoala Peninsula) 20071

**Ex/E** *Dypsis ceracea* (Jum.) Beentje & J. Dransf. 20071

Ex/E 20071 Madagascar (Marojejy, Betampona) 20071

**E** *Dypsis commersoniuna* (Baill.) Beentje & J.

Dransf. 20071

E 20071 Madagascar (south east) 20071

**V** *Dypsis concinna* Baker 20071

V 20071 Madagascar 20071

**V** *Dypsis confusa* Beentje 20071

V 20071 Madagascar 20071

**E** *Dypsis cookei* J. Dransf. 20071

E 20071 Madagascar (Marojejy) 20071

**V** *Dypsis coriacea* Beentje 20071

V 20071 Madagascar 20071

**V** *Dypsis corniculata* (Becc.) Beentje & J.

Dransf. 20071

V 20071 Madagascar 20071

**V** *Dypsis coursii* Beentje 20071

V 20071 Madagascar (Marojejy area) 20071

**R** *Dypsis crinita* (Jum. & H. Perrier) Beentje & J.

Dransf. 20071

R 20071 Madagascar 20071

**I** *Dypsis curtisii* Baker 20071

I 20071 Madagascar 20071

**V** *Dypsis decaryi* (Jum.) Beentje & J. Dransf. 20071

V 20071 Madagascar (south) 20071

**E** *Dypsis decipiens* (Becc.) Beentje & J. Dransf. 20071

E 20071 Madagascar 20071

**E** *Dypsis digitata* (Becc.) Beentje & J. Dransf. 20071

E 20071 Madagascar 20071

**E** *Dypsis dransfieldii* Beentje 20071

E 20071 Madagascar (Masoala Peninsula) 20071

**E** *Dypsis elegans* Beentje 20071

E 20071 Madagascar (Manombo forest) 20071

**E** *Dypsis eriostachys* J. Dransf. 20071

E 20071 Madagascar (Vatovavy) 20071

**E** *Dypsis faneva* Beentje 20071

E 20071 Madagascar 20071

**E** *Dypsis fanjana* Beentje 20071

E 20071 Madagascar (Mananara) 20071

**V** *Dypsis fasciculata* Jum. 10246

V 20071 Madagascar 20071

**Ex/E** *Dypsis furcata* J. Dransf. 20071

Ex/E 20071 Madagascar (central east coast) 20071

**E** *Dypsis glabrescens* (Becc.) Becc. 10246

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Dypsis*

- E 20071 Madagascar 20071
- I** *Dypsis heteromorpha* (Jum.) Beentje & J. Dransf. 20071
- I** 20071 Madagascar 20071
- R** *Dypsis heterophylla* Baker 20071
- R** 20071 Madagascar 20071
- V** *Dypsis hiarakae* Beentje 20071
- V** 20071 Madagascar 20071
- V** *Dypsis hildebrandtii* Becc. 10246
- V** 20071 Madagascar (central) 20071
- E** *Dypsis hovomantsina* Beentje 20071
- E** 20071 Madagascar (Marojejy, Betampona) 20071
- I** *Dypsis humbertii* (Jum.) Beentje & J. Dransf. 20071
- I** 20071 Madagascar (south east) 20071
- E** *Dypsis ifanadianae* Beentje 20071
- E** 20071 Madagascar (Ifanadiana) 20071
- E** *Dypsis integra* (Jum.) Beentje & J. Dransf. 20071
- E** 20071 Madagascar 20071
- E** *Dypsis intermedia* Beentje 20071
- E** 20071 Madagascar (Manombo) 20071
- E** *Dypsis interrupta* J. Dransf. 20071
- E** 20071 Madagascar 20071
- V** *Dypsis jumelleana* Beentje & J. Dransf. 20071
- V** 20071 Madagascar 20071
- E** *Dypsis laevis* J. Dransf. 20071
- E** 20071 Madagascar 20071
- I** *Dypsis lanceolata* (Becc.) Beentje & J. Dransf. 20071
- I** 20071 Comoros (Grand Comore, Moheli) 20071
- V** *Dypsis lantzeana* Baill. 10246
- V** 20071 Madagascar (north-east) 20071
- Ex/E** *Dypsis lanuginosa* J. Dransf. 20071
- Ex/E** 20071 Madagascar (Lower Mangoro) 20071
- Ex/E** *Dypsis ligulata* (Jum.) Beentje & J. Dransf. 20071
- Ex/E** 20071 Madagascar (north west) 20071
- V** *Dypsis lokohoensis* J. Dransf. 20071
- V** 20071 Madagascar (Marojejy) 20071
- V** *Dypsis louvelii* Jum. & H. Perrier 11813
- V** 20071 Madagascar (Analamazoatra) 20071
- Ex/E** *Dypsis lucens* (Jum.) Beentje & J. Dransf. 20071
- Ex/E** 20071 Madagascar (Antongil Bay) 20071
- E** *Dypsis lutea* (Jum.) Beentje & J. Dransf. 20071
- E** 20071 Madagascar (Masoala and Moramanga) 20071
- R** *Dypsis madagascariensis* (Becc.) Beentje & J. Dransf. 20071
- R** 20071 Madagascar (north-west and west) 20071
- E** *Dypsis mahia* Beentje 20071
- E** 20071 Madagascar (Manombo) 20071
- V** *Dypsis malcomberi* Beentje 20071
- V** 20071 Madagascar (Andohahela) 20071
- V** *Dypsis mananjarensis* (Jum. & H. Perrier) Beentje & J. Dransf. 20071
- V** 20071 Madagascar 20071
- E** *Dypsis mangorensis* (Jum.) Beentje & J. Dransf. 20071
- E** 20071 Madagascar (Mananara) 20071
- V** *Dypsis marojejyi* Beentje 20071
- V** 20071 Madagascar (Marojejy massif) 20071
- V** *Dypsis mcdonaldiana* Beentje 20071
- V** 20071 Madagascar (south-east) 20071
- V** *Dypsis minuta* Beentje 20071
- V** 20071 Madagascar (Masoala & Maroantsetra) 20071
- E** *Dypsis mirabilis* J. Dransf. 20071
- E** 20071 Madagascar (Marojejy) 20071
- V** *Dypsis mocquersiana* Becc. 11813
- V** 17951 Madagascar 20071
- Ex/E** *Dypsis monostachya* Jum. 10246
- Ex/E** 20071 Madagascar 20071
- E** *Dypsis moorei* Beentje 20071
- E** 20071 Madagascar (Masoala peninsula) 20071
- E** *Dypsis nauseosa* (Jum. & H. Perrier) Beentje & J. Dransf. 20071
- E** 20071 Madagascar (coast of Fianarantsoa) 20071
- E** *Dypsis nossibensis* (Becc.) Beentje & J. Dransf. 20071
- E** 20071 Madagascar (Lokobe forest) 20071
- V** *Dypsis onilahensis* (Jum. & H. Perrier) Beentje & J. Dransf. 20071
- V** 20071 Madagascar 20071
- V** *Dypsis oreophila* Beentje 20071
- V** 20071 Madagascar 20071
- E** *Dypsis oropedionis* Beentje 20071
- E** 20071 Madagascar 20071
- E** *Dypsis ovobontsira* Beentje 20071
- E** 20071 Madagascar (Mananara) 20071
- V** *Dypsis pachyramea* J. Dransf. 20071
- V** 20071 Madagascar (Masoala Peninsula) 20071
- V** *Dypsis paludosa* J. Dransf. 20071
- V** 20071 Madagascar (east coast) 20071
- V** *Dypsis pembana* (Moore) Beentje & J. Dransf. 20071
- V** 20071 Tanzania (Pemba) 20071
- V** *Dypsis perrieri* (Jum.) Beentje & J. Dransf. 20071
- V** 20071 Madagascar 20071
- Ex/E** *Dypsis pervillei* (Jum.) Beentje & J. Dransf. 20071
- Ex/E** 20071 Madagascar (Betampona) 20071
- V** *Dypsis pilulifera* (Becc.) Beentje & J. Dransf. 20071
- V** 20071 Madagascar 20071
- Ex/E** *Dypsis plurisecta* Jum. 10246
- Ex/E** 20071 Madagascar 20071
- E** *Dypsis poivreana* (Baill.) Beentje & J. Dransf. 20071
- E** 20071 Madagascar (coastal Fenoarivo) 20071
- V** *Dypsis prestoniana* Beentje 20071
- V** 20071 Madagascar (Midongy; Mahanoro) 20071
- V** *Dypsis procera* Jum. 10246
- V** 17951 Madagascar (Antongil) 20071
- E** *Dypsis psammophila* Beentje 20071
- E** 20071 Madagascar 20071
- Ex/E** *Dypsis pulchella* J. Dransf. 20071
- Ex/E** 20071 Madagascar 20071
- V** *Dypsis pumila* Beentje 20071
- V** 20071 Madagascar (Marojejy Mts) 20071
- V** *Dypsis pusilla* Beentje 20071
- V** 20071 Madagascar 20071
- E** *Dypsis ramentacea* J. Dransf. 20071
- E** 20071 Madagascar (Mananara, Antanambe) 20071
- Ex/E** *Dypsis remotiflora* J. Dransf. 20071
- Ex/E** 20071 Madagascar (east) 20071

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Dypsis*

- V** *Dypsis rivularis* (Jum. & H. Perrier) Beentje & J. Dransf. 20071  
**V** 20071 Madagascar 20071
- E** *Dypsis sahanofensis* (Jum. & H. Perrier) Beentje & J. Dransf. 20071  
**E** 20071 Madagascar 20071
- E** *Dypsis saintelucei* Beentje 20071  
**E** 20071 Madagascar (Sainte-Luce forest) 20071
- E** *Dypsis sanctaemariae* J. Dransf. 20071  
**E** 20071 Madagascar (Sainte-Marie Is.) 20071
- E** *Dypsis scandens* J. Dransf. 20071  
**E** 20071 Madagascar (Ifanadiana) 20071
- V** *Dypsis schatzii* Beentje 20071  
**V** 20071 Madagascar (Betampona) 20071
- V** *Dypsis scottiana* (Jum.) Beentje & J. Dransf. 20071  
**V** 20071 Madagascar (south-east) 20071
- V** *Dypsis serpentina* Beentje 20071  
**V** 20071 Madagascar (Mananara) 20071
- E** *Dypsis simianensis* (Jum.) Beentje & J. Dransf. 20071  
**E** 20071 Madagascar 20071
- E** *Dypsis singularis* Beentje 20071  
**E** 20071 Madagascar (Manombo forest) 20071
- Ex/E** *Dypsis soanieranae* Beentje 20071  
**Ex/E** 20071 Madagascar (Soanierana-Ivongo) 20071
- R** *Dypsis spicata* J. Dransf. 20071  
**R** 20071 Madagascar (Marojejy) 20071
- Ex/E** *Dypsis tanalensis* (Jum. & H. Perrier) Beentje & J. Dransf. 20071  
**Ex/E** 20071 Madagascar (Vohipeno) 20071
- E** *Dypsis tenuissima* Beentje 20071  
**E** 20071 Madagascar (Andohahela) 20071
- R** *Dypsis thermanum* J. Dransf. 20071  
**R** 20071 Madagascar (Ranomafana) 20071
- R** *Dypsis thiryana* (Jum.) Beentje & J. Dransf. 20071  
**R** 20071 Madagascar 20071
- E** *Dypsis tokoravina* Beentje 20071  
**E** 20071 Madagascar 20071
- E** *Dypsis trapezoidea* J. Dransf. 20071  
**E** 20071 Madagascar (Vatovavy, Ifanadiana) 20071
- I** *Dypsis tsaratananensis* (Jum.) Beentje & J. Dransf. 20071  
**I** 20071 Madagascar (Mt Tsaratanana) 20071
- E** *Dypsis tsaravotsira* Beentje 20071  
**E** 20071 Madagascar 20071
- V** *Dypsis utilis* (Jum.) Beentje & J. Dransf. 20071  
**V** 20071 Madagascar (east) 20071
- V** *Dypsis viridis* Jum. 10246  
**V** 20071 Madagascar 20071
- V** *Dypsis zahamenae* J. Dransf. 20071  
**V** 20071 Madagascar (Zahamena Reserve) 20071
- R** *Eugeissona brachystachys* Ridley 17749  
**R** Malaysia - Peninsular Malaysia 10249
- E** *Euterpe andicola* Brongn. ex C. Martius 20883, 8020  
**E** 20883 Bolivia 20883
- R** *Euterpe catinga* A.R. Wallace 8020  
**R** 19614 Brazil 8020  
**I** 16853 Colombia 8020  
**R** 19614 Peru 17955
- R** *Euterpe edulis* Mart. 20883, 14840  
**R** 20883 Argentina (Iguazu NP) 20883  
**E** 20176 Argentina - Misiones 20176  
**I** 20883 Brazil 20883  
**V** 15148 Brazil - Espirito Santo 15148  
**?** Brazil - Rio Grande do Sul 20311  
**?** Brazil - Santa Catarina 20310  
**R** 20883 Paraguay 20883
- E** *Euterpe haenkeana* Brongn. ex C. Martius 20883, 8020  
**E** 20883 Bolivia 20883
- E** *Euterpe longevaginata* C. Martius 20883, 8020  
**E** 20883 Bolivia 20883
- V** *Euterpe luminosa* Henderson, Galeano & Meza 19698  
**V** 19698 Peru 19698
- E** *Gaussia attenuata* (O.F. Cook) Becc. 20883, 9148  
**I** 20883 Puerto Rico 20883
- E** *Gaussia gomez-pompae* (Quero) Quero 20883, 10260  
**I** 20883 Mexico 20883  
**V** 19850 Mexico - Oaxaca 9148  
**V** 19850 Mexico - Tabasco 9148  
**V** 19850 Mexico - Veracruz 9148
- V** *Gaussia maya* (Cook) Quero & R. W. Read 20883, 17616  
**I** 20883 Belize 20883  
**E** 20883 Guatemala 20883  
**I** 20883 Mexico 20883  
**I** 17616 Mexico - Oaxaca 17616  
**I** 17616 Mexico - Quintana Roo 17616  
**I** 17616 Mexico - Veracruz 17616
- R** *Gaussia spirituana* Moya & Leiva 19625  
**R** 19625 Cuba 19625
- V** *Geonoma andicola* Dammer ex Burret 19698  
**V** 19698 Peru 19698
- R** *Geonoma arundinacea* Mart. 20883, 8020  
**V** 20883 Brazil 20883  
**V** 20883 Colombia 20883  
**V** 20883 Ecuador 20883  
**R** 20883 Peru 20883
- R** *Geonoma brevispatha* var. *occidentale* Henderson 20883  
**V** 20883 Bolivia 20883  
**V** 20883 Brazil 20883  
**V** 20883 Peru 20883
- E** *Geonoma chlamydstachys* Galeano 10740  
**E** 16853 Colombia (S.E. Antioquia, 300-1000 m) 10740
- R** *Geonoma congesta* H. Wendl. ex Spruce 8020  
**V** Costa Rica 8020  
**I** 20826 Honduras 20826  
**R** Nicaragua 8020  
**V** Panama 8020  
**I** 16853 Colombia 20826
- R** *Geonoma divisa* H.E. Moore 9149  
**R** 20826 Panama 20826  
**R** 16853 Colombia (Choco) 9149
- V** *Geonoma gamiova* Barb. Rodr. 8020  
**V** 19614 Brazil (Atlantic forest) 8743
- R** *Geonoma longepedunculata* Burret 20883  
**R** 20883 Colombia 20883  
**R** 20883 Ecuador 20883  
**R** 20883 Peru 20883
- R** *Geonoma megalospatha* Burret 20883, 8020  
**V** 20883 Bolivia 20883  
**I** 20883 Ecuador 20883  
**I** 20883 Peru 20883
- V** *Geonoma membranacea* H. Wendl. ex Spruce 8020  
**V** Guatemala 8020

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Geonoma*

- V 19850 Mexico 19850
- V *Geonoma myriantha* Dammer 20883  
V 20883 Brazil 20883
- R *Geonoma oldemannii* Granv. 8793  
I 20826 Brazil (East Amazonia) 20826  
R French Guiana 8777
- E *Geonoma orbignyana* C. Martius 20883, 8020  
E 20883 Bolivia 20883
- R *Geonoma pachydicrana* Burret 20883, 8020  
E 20883 Bolivia 20883  
I 20883 Colombia 20883
- I *Geonoma paradoxa* Burret 8020  
I 16853 Colombia 8020
- R *Geonoma paraguayensis* H.Karst. 8020  
R Venezuela 8020
- V *Geonoma pauciflora* Mart. 8020  
V 19614 Brazil 8020
- V *Geonoma pohliana* Mart. 8020  
V 19614 Brazil 8020
- V *Geonoma polyandra* Skov 20883  
E 20883 Colombia 20883  
V 20883 Ecuador 20883
- I *Geonoma pulchra* F. Engel 8020  
I 16853 Colombia 8020
- R *Geonoma rubescens* H. Wendl. ex Drude 8020  
R 20826 Brazil (Atlantic forest) 8743
- R *Geonoma scoparia* Grayum & de Nevers 11992  
R 11992 Costa Rica 11992
- I *Geonoma tenuissima* H.E. Moore 10739  
I 20826 Ecuador (Los Rios Province) 10739
- E *Geonoma trigona* (Ruiz & Pavón) A. Gentry 20883, 8801  
V 19698 Peru (Pasco, 2800-3000 m) 20883
- R *Geonoma umbraculiformis* Wess. Boer 20883, 8777  
V 20883 Brazil 20883  
R 20883 French Guiana (3 locs, montane forest) 20883  
E 20883 Guyana 20883  
E 20883 Suriname 20883
- V *Guihaia argyratea* (Lee & Wei) Lee, Wei & J. Dransf. 15144  
V 19614 China 15144
- V *Guihaia grossefibrosa* (Gagnep) J. Dransf., S.K. Lee & F. n Wei 13955  
I 20985 Vietnam 13955
- R *Gulubia hombronii* Becc. 11179  
R 17945 Solomon Is. - South 11179
- R *Gulubia microcarpa* Essig 11179  
R 15184 Fiji (near Ngaloa, Viti Levu) 11179
- V *Hedyscepe canterburyana* (C. Moore & F. Muell.) H. Wendl. 15166  
V 15166 Australia - NSW - Lord Howe Is. 15166
- I *Heterospathe elmeri* Becc. 16067  
I 14726 Philippines (Camiguin) 14726
- R *Heterospathe minor* Burret 15138  
R 17945 Solomon Is. - South 15138
- R *Heterospathe woodfordiana* Beccari 15138  
R 17945 Solomon Is. - South 15138
- R *Howea belmoreana* (C. Moore & F. Muell.) Becc. 15166  
R 15166 Australia - NSW - Lord Howe Is. 15166
- R *Howea forsteriana* (C. Moore & F. Muell.) Becc. 15166  
R 15166 Australia - NSW - Lord Howe Is. 15166
- E *Hyophorbe amaricaulis* Martius 10082  
E 20771 Mauritius 10082
- V *Hyophorbe indica* Gaertner 10082  
V 2014 Réunion 6165
- E *Hyophorbe lagenicaulis* (L. Bailey) H.E. Moore 10082  
E 20771 Mauritius (Round Is.) 6165
- E *Hyophorbe vaughanii* L. Bailey 10082  
E 20771 Mauritius 6165
- E *Hyophorbe verschaffeltii* H.A. Wendl. 10082  
E 5852 Mauritius - Rodrigues 5852
- V *Hyospathe concinna* H. Moore 20883, 16853  
V 20883 Panama 20883  
I 16853 Colombia 16853
- V *Hyphaene dichotoma* (White) Furt. 17661  
V 17661 India - Gujarat 4988  
V 17661 India - Maharashtra 4988
- R *Hyphaene obovata* Furt. 10288  
R Mozambique 10288
- V *Iguanura ambigua* Becc. 10291  
V 14703 Malaysia - Sarawak (G. Mattang) 10291
- R *Iguanura bicornis* Becc. 10291  
R Thailand 10291  
E/V Malaysia - Peninsular Malaysia 10291
- E *Iguanura chaiana* Kiew 10292  
E 14703 Malaysia - Sarawak 10292
- E *Iguanura corniculata* Becc. 10291  
E 14701 Malaysia - Peninsular Malaysia 10291
- R *Iguanura curvata* Kiew 10292  
R 14703 Malaysia - Sarawak 10292
- V *Iguanura elegans* Becc. 10291  
V 14703 Malaysia - Sarawak 10291
- E *Iguanura leucocarpa* Blume 10291  
E 14828 Indonesia - Sumatra (Padang and Palembang) 10291
- V *Iguanura melinauensis* Kiew 10291  
V 14703 Malaysia - Sarawak 10291
- V *Iguanura minor* Kiew 10291  
V 14703 Malaysia - Sarawak 10291
- V *Iguanura myochodoides* Kiew 10291  
V 14703 Malaysia - Sarawak 10291
- V *Iguanura palmuncula* Becc. var. *magna* Kiew 14703  
V 14703 Malaysia - Sarawak 14703
- V *Iguanura palmuncula* Becc. var. *palmuncula* 10291  
V 14703 Malaysia - Sarawak 10291
- R *Iguanura polymorpha* Becc. 10291  
R Thailand (south) 10292  
V Malaysia - Peninsular Malaysia (Johor, Perak, Terengganu) 19209  
V 14703 Malaysia - Sarawak 10291
- V *Iguanura remotiflora* H. Wendl. 10291  
V 14703 Malaysia - Sarawak 10291
- V *Iguanura sanderiana* Ridley 10291  
V 14703 Malaysia - Sarawak 10291
- R *Itaya amicornum* H.E. Moore 2014, 20883  
R 19614 Brazil (Rio Javari) 8743  
E 20883 Colombia 20883  
R 19614 Peru (Loreto) 8743

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Itaya*

- V** *Johannesteijsmannia altifrons* (Reichb. f. & Zoll.) H.E. Moore 10293  
**V** Thailand 8794  
**V** 14828 Indonesia - Sumatra 23  
**V** Malaysia - Peninsular Malaysia (Johor) 19209  
**V** 14703 Malaysia - Sarawak 23
- E** *Johannesteijsmannia lanceolata* Dransf. 10293  
**E** 14701 Malaysia - Peninsular Malaysia 10293
- E** *Johannesteijsmannia magnifica* Dransf. 10293  
**E** 14701 Malaysia - Peninsular Malaysia 10293
- V** *Johannesteijsmannia perakensis* Dransf. 10293  
**V** Malaysia - Peninsular Malaysia 10293
- R** *Juania australis* (Mart.) Drude ex Hook. f. 20883, 14807  
**V** 19125 Chile - Juan Fernandez Is. 19116  
**R** 20883 Chile 20883
- V** *Jubaea chilensis* (Mol.) Baillon 20883, 11813, 20171  
**V** 20883 Chile 20883
- V** *Jubaeopsis caffra* Becc. 20604, 14801  
**V** 20604 South Africa - Cape Province (Mkambati reserve) 20604
- E** *Kentiopsis oliviformis* (Brongn. & Gris) Brongn. 11813  
**E** 20893 New Caledonia 10238
- R** *Kerriodoxa elegans* Dransf. 11388  
**R** 19037 Thailand (Thalang, Phuket; Khao Sok) 11388
- V** *Korthalsia junghuhnii* Miq. 10670  
**V** Indonesia - Java 10670
- V** *Korthalsia lanceolata* Dransf. 10259  
**V** 14701 Malaysia - Peninsular Malaysia 10259
- I** *Korthalsia merrillii* Becc. 10670  
**I** 13833 Philippines 10670
- R** *Korthalsia rogersii* Becc. 10670  
**R** 14782 India - Andaman Is. (type coll. only, 1904) 10670
- I** *Korthalsia squamosa* Becc. 13833  
**I** 13833 Philippines (low altitude) 13833
- V** *Korthalsia tenuissima* Becc. 10259  
**V** 14701 Malaysia - Peninsular Malaysia 10259
- E** *Latania loddigesii* Martius 10082  
**E** 20771 Mauritius 6165
- E** *Latania lontaroides* (Gaertner) H.E. Moore 10082  
**E** 2014 Réunion 6165
- V** *Latania verschaffeltii* Lemaire 10082  
**V** 5825 Mauritius - Rodrigues 5825
- E** *Lavoixia macrocarpa* H.E. Moore 11813  
**E** 15184 New Caledonia 15184
- E** *Lemurophoenix halleuxii* J. Dransf. 14788  
**E** 17951 Madagascar (Sahavary, Masoala) 20071
- R** *Leopoldinia major* Wallace 20883, 8020  
**V** 20883 Brazil 20883  
**E** 20883 Colombia 20883  
**R** 20883 Venezuela (south (Amazonas)) 20883
- R** *Leopoldinia piassaba* Wallace 20883, 8020  
**E** 20883 Brazil 20883  
**E** 20883 Colombia 20883  
**V** 20883 Venezuela 20883
- R** *Lepidocaryum tenue* var. *casiquiarensis* (Spruce) Henderson 20883  
**V** 20883 Brazil 20883  
**V** 20883 Colombia 20883  
**V** 20883 Venezuela 20883
- R** *Lepidocaryum tenue* var. *gracile* (Mart.) Henderson 20883  
**R** 20883 Brazil 20883  
**E** 20883 Guyana 20883
- V** *Lepidorrhachis mooreana* (F. Muell.) Cook 14223  
**V** 19614 Australia - NSW - Lord Howe Is. 14223
- R** *Licuala acutifida* Mart. 10249  
**R** Malaysia - Peninsular Malaysia (Penang) 10249  
**I** Singapore 7956
- R** *Licuala cabalionii* J. Dowe 15184  
**R** 15184 Vanuatu 15184
- V** *Licuala calciphila* Becc. 13955  
**V** 15313 Vietnam 13955
- V** *Licuala confusa* Furtado 10249  
**V** Malaysia - Peninsular Malaysia 10249
- E** *Licuala corneri* Furt. 10249  
**E** 14701 Malaysia - Peninsular Malaysia 10249
- R** *Licuala dransfieldii* R. Kiew 10260  
**R** 14701 Malaysia - Peninsular Malaysia (Ulu Endau area in Johore) 14701
- R** *Licuala fatua* Becc. 13955  
**R** 15313 Vietnam 13955
- R** *Licuala glaberrima* Gagnepain 10260  
**R** Vietnam 6057
- R** *Licuala gracilis* Blume 10238  
**R** Indonesia - Java 10238
- E** *Licuala hallieriana* Becc. 14703  
**E** 14703 Malaysia - Sarawak 14703
- V** *Licuala hexasepala* Gagnepain 13955  
**V** 15313 Vietnam (Quang Nam-Da Nang, Khanh Hoa) 13955
- E** *Licuala kemamanensis* Furt. 10249  
**E** 14701 Malaysia - Peninsular Malaysia 10249
- V** *Licuala kiahii* Furt. 10249  
**V** 14701 Malaysia - Peninsular Malaysia 10249
- V** *Licuala lanata* Dransf. 14703  
**V** 14703 Malaysia - Sarawak (G. Mulu NP) 14703
- V** *Licuala lanuginosa* Ridley 10249  
**V** Malaysia - Peninsular Malaysia 10249
- V** *Licuala longicalycata* Furt. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- V** *Licuala malajana* Becc. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- V** *Licuala mirabilis* Furt. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- V** *Licuala modesta* Becc. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- E** *Licuala moyseyi* Furtado 10249  
**E** 14701 Malaysia - Peninsular Malaysia 10249
- V** *Licuala pahangensis* Furt. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- R** *Licuala pumila* Blume 10238  
**R** Indonesia - Java 10238  
**R** Indonesia - Sumatra 10238
- V** *Licuala pusilla* Becc. 10249  
**V** Malaysia - Peninsular Malaysia 10249

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Licuala*

- E** *Licuala ridleyana* Becc. 10249  
**E** Malaysia - Peninsular Malaysia 10249
- R** *Licuala robinsoniana* Becc. 10260  
**R** Vietnam 6057
- R** *Licuala scortechinii* Becc. 10249  
**R** Malaysia - Peninsular Malaysia 10249
- V** *Licuala tiomanensis* Furt. 10249  
**V** Malaysia - Peninsular Malaysia 10249
- R** *Licuala tonkinensis* Becc. 13955  
**R** 15313 Vietnam 13955
- R** *Linospadix microcarya* (Domin) Burret 20681, 15154  
**R** 20681 Australia - Queensland 20681
- R** *Linospadix palmeriana* (Bailey) Burret 20681, 15166  
**R** 20681 Australia - Queensland 20681
- R** *Livistona alfredii* F.Muell. 20681, 15166  
**R** 20681 Australia - Western Australia 20681
- E** *Livistona carinensis* (Chiov.) Dransf. & Uhl 20884  
**I** Yemen, Democratic (El Mintaq, Hadramaut)  
**E** Djibouti  
**E** 20884 Somalia (north) 17950
- V** *Livistona drudei* F.Muell. ex W.Watson 20681, 15166  
**V** 20681 Australia - Queensland 20681
- R** *Livistona endauensis* Dransf. & K.M. Wong 11389  
**R** Malaysia - Peninsular Malaysia (Endau-Rompin) 11389
- R** *Livistona exigua* Dransf. 11178  
**R** Brunei Darussalam 11178
- V** *Livistona lanuginosa* A.N.Rodd ms. 20681  
**V** 20681 Australia - Queensland 20681
- V** *Livistona mariae* F.Muell. 20681, 15166  
**V** 20681 Australia - Northern Territory 20681
- I** *Livistona robinsoniana* Becc. 14726  
**I** 14726 Philippines (Polillo) 14726
- R** *Livistona tahanensis* Ridley 17749  
**R** Malaysia - Peninsular Malaysia 10249
- R** *Livistona tonkinensis* Magalon 10260  
**R** Vietnam 8794
- R** *Livistona woodfordii* Ridley 15138  
**R** 15138 Solomon Is. - South (Nggela Islands) 15138
- V** *Lodoicea maldivica* (J. Gmelin) Pers. 14296  
**V** Seychelles (granitic) 14296
- E** *Loxococcus rupicola* H. Wendl. & Drude 7956  
**E** 17945 Sri Lanka 7956
- I** *Lytocaryum hoehnei* (Burret) Toledo 9996  
**I** 20826 Brazil (Atlantic forest) 8743
- E** *Lytocaryum weddelianum* (H. Wendl.) Tol. 9996  
**E** Brazil - Espirito Santo 8743  
**E** Brazil - Rio de Janeiro 8743
- V** *Mackeeea magnifica* H.E. Moore 20893  
**V** 20893 New Caledonia 15184
- E** *Marojejya darianii* J. Dransf. & N. Uhl. 10779  
**E** 20071 Madagascar (Maroantsetra) 20071
- V** *Marojejya insignis* Humbert 11813  
**V** 17951 Madagascar 20071
- E** *Masoala kona* Beentje 20071  
**E** 20071 Madagascar (Ifanadiana) 20071
- V** *Masoala madagascariensis* Jum. 11813  
**V** 17951 Madagascar 20071
- R** *Mauritia carana* Wallace 20883, 8020  
**R** 20883 Brazil 20883  
**R** 20883 Colombia 20883  
**E** 20883 Peru 20883  
**E** 20883 Venezuela 20883
- I** *Mauritiella cataractorum* Dugand 8020  
**I** 16853 Colombia 8020
- V** *Maxburretia furtadoana* Dransf. 10517  
**V** 5929 Thailand (Surat Thani Province: Khao Phra Rahu, K. Changai) 5929
- R** *Maxburretia gracilis* (Burret) Dransf. 10262  
**R** Malaysia - Peninsular Malaysia (Langkawi) 10262
- E** *Maxburretia rupicola* (Ridley) Furt. 10517  
**E** 17950 Malaysia - Peninsular Malaysia 10517
- I** *Medemia abiadensis* H.A. Wendl. 10245  
**I** 5908 Sudan (White Nile) 5908
- E** *Medemia argun* (Martius) Wurtl. ex H.A. Wendl. 11813  
**Ex/E** 16168 Egypt (Nubian desert) 16168  
**E** 16168 Sudan 16168
- I** *Metroxylon amicarum* (Wendl.) Becc. 14789  
**I** Micronesia - Caroline Is. (Truk; Ponape)
- R** *Metroxylon warburgii* Becc. 15184  
**R** 17945 Solomon Is. - South 17945  
**R** 15184 Vanuatu 15184
- R** *Moratia cerifera* H.E. Moore 10237  
**R** 20893 New Caledonia 10237
- I** *Nenga banaensis* (Magalon) Burret 10603  
**I** 15734 Vietnam (Da Nang: Mt Bana) 10603
- E** *Nenga gajah* Dransf. 10603  
**E** 17950 Indonesia - Sumatra (c. 800 m) 10603  
**E** 17950 Malaysia - Sabah 14712
- R** *Nenga grandiflora* E. Fernando 10603  
**R** Malaysia - Peninsular Malaysia (Johor) 10603
- E** *Neoveitchia storckii* (H.A. Wendl.) Becc. 11813  
**E** 15184 Fiji (Viti Levu) 15184
- V** *Nephrosperma vanhoutteanum* (Wendl. ex Van Houtte) Balf. f. 14296  
**V** Seychelles (granitic) 14296
- V** *Normanbya normanbyi* (A.W.Hill) L.H.Bailey 20681, 15166  
**V** 20681 Australia - Queensland 20681
- I** *Oenocarpus balickii* Kahn 20883, 17949  
**R** 20883 Brazil 20883  
**V** 20883 Colombia 20883  
**R** 20883 Peru 20883  
**E** 20883 Venezuela 20883
- R** *Oenocarpus bataua* (Griseb. & H. Wendl.) Henderson var. *oligocarpa* (Griseb. & H. Wendl.) Balick 20883, 20826  
**R** 20883 Trinidad & Tobago (Only Trinidad) 20883  
**R** 20883 French Guiana 20883  
**R** 20883 Guyana 20883  
**R** 20883 Suriname 20883  
**R** 20883 Venezuela 20883
- E** *Oenocarpus circumtextus* Martius 20883, 11813  
**E** 20883 Colombia 20883
- E** *Oenocarpus makeru* Bernal, Galeano, & Henderson 20883  
**E** 20883 Colombia 20883
- V** *Oenocarpus mapora* ssp. *dryanderae* Karst. 20883  
**V** 20883 Colombia 20883

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Oenocarpus*

- R** *Oenocarpus minor* ssp. *intermedius*  
Martius 20883  
R 20883 Brazil 20883
- E** *Oenocarpus simplex* Bernal, Galeano & Henderson 20883, 20826  
I 20826 Colombia 20883
- V** *Oncosperma fasciculatum* Thwaites 7956  
V 17945 Sri Lanka 7956
- I** *Oncosperma platyphyllum* Becc. 14726  
I 14726 Philippines (Negros) 14726
- I** *Orania decipiens* Becc. var. *mindanaensis*  
Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- I** *Orania decipiens* Becc. var. *montana*  
Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- R** *Orania longisquama* (Jum.) J. Dransf. & N. Uhl. 11813  
R 20071 Madagascar (north-west and east) 20071
- V** *Orania ravaka* Beentje. Sp. Nov. 20071  
V 20071 Madagascar (north east) 20071
- I** *Orania sylvicola* (Griff.) H.E. Moore 10249  
I Indonesia - Java 10238  
I Indonesia - Sumatra 10238  
V Malaysia - Peninsular Malaysia 10249  
V 14703 Malaysia - Sarawak (near Kuching) 14703  
Ex 20099 Singapore 20099
- E** *Orania trispatha* (J. Dransf. & N.W. Uhl) Beentje & J. Dransf.  
Comb Nov. 20071  
E 20071 Madagascar (east) 20071
- E** *Parajubaea sunkha* Moraes 21271  
E 21270 Bolivia 21271
- E** *Parajubaea torallyi* (C. Martius) Burret 20883, 11813  
E 20883 Bolivia 20883
- Ex** *Paschalococos disperta* Dransfield 14777  
Ex 14777 Chile - Easter Is. 14777
- R** *Pelagodoxa henryana* Becc. 11813  
R 19614 French Polynesia - Marquesas Is 19614
- V** *Phoenicophorium borsigianum* (K. Koch) Stuntz 14296  
V Seychelles (granitic) 14296
- V** *Phoenix hanceana* Naudin var. *philippinensis*  
Becc. 12804  
V Philippines (Batanes Is) 12804
- V** *Phoenix rupicola* T. Anders. 14827  
V 14827 India - Arunachal Pradesh 10235  
V 14827 India - Meghalaya 10235  
V 14827 India - Sikkim 10235
- V** *Phoenix theophrasti* Greuter 8000, 20171  
V 14155 Greece - Crete 8000  
V 20731 Turkey 20618
- R** *Phoenix zeylanica* Trimen 7956  
R 20013 Sri Lanka 7956
- V** *Pholidocarpus kingianus* (Becc.) Ridley 19209  
V Malaysia - Peninsular Malaysia 19209  
Ex 20099 Singapore 20099
- V** *Pholidocarpus macrocarpus* Becc. 10249  
E/V Thailand 10482  
V Malaysia - Peninsular Malaysia 19209
- R** *Physokentia dennisii* H.E. Moore 15156  
R 17945 Solomon Is. - South (Guadalcanal) 15156
- V** *Physokentia rosea* H.E. Moore 10242  
V 19630 Fiji (Viti Levu, Gau) 19630
- R** *Physokentia tete* (Beccari) Beccari 15156  
R 15156 Vanuatu (Banks Group) 15156
- R** *Physokentia thurstonii* (Becc.) Becc. 10253  
R 15184 Fiji (Vanua Levu & Taveuni) 10253
- R** *Phytelephas aequatorialis* Spruce 20883, 15728  
I 20883 Ecuador (coastal plains up to 1500 m) 20883
- R** *Phytelephas seemannii* O.F. Cook 20883, 15728  
R 20883 Panama 20883  
E 16853 Colombia 8020
- R** *Phytelephas tenuicaulis* (Barfod) Henderson 20883  
E 20883 Colombia 20883  
V 20883 Ecuador 20883  
V 20883 Peru 20883
- E** *Phytelephas tumacana* O.F. Cook 8020  
E 16853 Colombia 8020
- E** *Pinanga acaulis* Ridley 11813  
E 14701 Malaysia - Peninsular Malaysia 10249
- E** *Pinanga adangensis* Ridley 11813  
E Thailand (Adang Is.) 8794  
E 14701 Malaysia - Peninsular Malaysia 14701
- R** *Pinanga albescens* Becc. ex H. Winkler 10525  
R 14828 Indonesia - Kalimantan 14828  
R 14828 Malaysia - Sabah 14828  
R 14703 Malaysia - Sarawak 14703
- R** *Pinanga andamanensis* Becc. 14827  
R 14827 India - Andaman Is. 13883
- I** *Pinanga basilanensis* Becc. 14726  
I 14726 Philippines (Basilan) 14726
- R** *Pinanga borneensis* Scheffer 14828  
R 14828 Indonesia - Kalimantan 14828
- R** *Pinanga celebica* Scheff. 14828  
R 14828 Indonesia - Sulawesi 14828
- E** *Pinanga cleistantha* Dransf. 10534  
E 17950 Malaysia - Peninsular Malaysia (Trengganu) 10534
- R** *Pinanga cochinchinensis* Blume 10260  
R Vietnam 8794
- V** *Pinanga dicksonii* Blume 14827  
V 14827 India - Kerala (Nilgiri Hills) 10235  
V 14827 India - Tamil Nadu (Western Ghats) 10235
- V** *Pinanga fruticans* Ridley 10249  
V Malaysia - Peninsular Malaysia 10249
- I** *Pinanga geonomiformis* Becc. 14726  
I 14726 Philippines (Ponilo) 14726
- I** *Pinanga heterophylla* Becc. 14726  
I 14726 Philippines (Rapu-Rapu) 14726
- I** *Pinanga isabelensis* Becc. 14726  
I 14726 Philippines (Luzon) 14726
- E** *Pinanga javana* Blume 10238  
E 17950 Indonesia - Java 10238
- R** *Pinanga keahii* Furt. 14703  
R 14828 Indonesia - Kalimantan 14828  
R 14828 Malaysia - Sabah (Kinabalu) 14712  
R 14703 Malaysia - Sarawak 14703
- R** *Pinanga ligulata* Becc. 14703  
R 14703 Malaysia - Sarawak 14703
- I** *Pinanga maculata* Porte ex Lem. 14726  
I 14726 Philippines 14726
- V** *Pinanga manii* Becc. 14827

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Pinanga*

- V 13883 India - Andaman Is. (south) 13883  
V 13883 India - Nicobar Is. 13883
- I** *Pinanga negrosensis* Becc. 14726  
I 14726 Philippines (Negros) 14726
- R** *Pinanga pachyphylla* J. Dransf. 16088  
R 16088 Malaysia - Sarawak (Bako National Park) 16088
- R** *Pinanga patula* Blume var. *borneensis* Becc. 14828  
R 14828 Indonesia - Kalimantan 14828
- V** *Pinanga pectinata* Becc. 10249  
V Malaysia - Peninsular Malaysia 19209  
Ex 20099 Singapore 20099
- V** *Pinanga perakensis* Becc. 10249  
V Malaysia - Peninsular Malaysia 10249
- R** *Pinanga punicea* (Blume) Merr. var. *punicea* 14828  
R 14828 Indonesia - Moluccas 14828
- I** *Pinanga rigida* Becc. 14726  
I 14726 Philippines (Luzon) 14726
- I** *Pinanga samarana* Becc. 14726  
I 14726 Philippines (Samar) 14726
- I** *Pinanga sclerophylla* Becc. 14726  
I 14726 Philippines (Mindoro) 14726
- I** *Pinanga sibuyanensis* Becc. 14726  
I 14726 Philippines (Sibuyan) 14726
- V** *Pinanga stricta* Becc. 14703  
V 14703 Malaysia - Sarawak 14703
- V** *Pinanga subintegra* Ridley 10249  
V Malaysia - Peninsular Malaysia 10249
- V** *Pinanga subruminata* Becc. 10249  
V Malaysia - Peninsular Malaysia 10249  
Ex 20099 Singapore 20099
- R** *Pinanga tenacinervis* Dransf. 10525  
R 14703 Malaysia - Sarawak (G. Mulu NP) 10525
- I** *Pinanga urdanetensis* Becc. 14726  
I 14726 Philippines (Mindanao) 14726
- I** *Pinanga urosperma* Becc. 14726  
I 14726 Philippines (Babuyan) 14726
- I** *Pinanga woodiana* Becc. 14726  
I 14726 Philippines (Luzon) 14726
- R** *Plectocomia billitonensis* Becc. 10631  
R 14828 Indonesia - Sumatra (only Belitung) 10631
- E** *Plectocomia dransfieldiana* Madulid 10631  
E 14701 Malaysia - Peninsular Malaysia 10631
- R** *Plectocomia elmeri* Becc. 10631  
R 14726 Philippines (Mt Apo) 10631
- R** *Plectocomia longistigma* Madulid 10631  
R 14828 Indonesia - Java (east) 10631
- R** *Plectocomia lorzingii* Madulid 10631  
R 14828 Indonesia - Sumatra (Sibolangit) 10631
- V** *Plectocomia microstachys* Burret 10631  
V 20756 China - Hainan Is. 20756
- R** *Plectocomia pygmaea* Madulid 10631  
R 14828 Indonesia - Kalimantan (Sei Poetat: Pontianak) 10631
- V** *Plectocomiopsis wrayi* Becc. 10259  
E/V Malaysia - Peninsular Malaysia 19209
- E** *Pogonotium moorei* Dransf. 10669  
E 14703 Malaysia - Sarawak (Gunung Gaharu) 10669
- I** *Prestoea pubens* H.E. Moore var. *pubens* 9150  
I 16853 Colombia (Del Valle) 9150
- V** *Prestoea roseospadix* (L.H. Bailey) H. Moore 20883, 8020  
V 20883 Panama 20883
- R** *Prestoea tenuiramosa* (Dammer) H.E. Moore 8020  
I 20826 Brazil 20826  
I 20826 Guyana 20826  
R Venezuela 8020
- Ex/E** *Pritchardia affinis* Becc. 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E** *Pritchardia aylmer-robinsonii* H. St. John 14209  
E 14209 U.S. - Hawaii (Ni'ihau) 14209
- V** *Pritchardia forbesiana* Rock 14209, 20850  
I 20850 U.S. - Hawaii 20850
- R** *Pritchardia glabrata* Becc. & Rock 14209  
R 20828 U.S. - Hawaii (Mau) 14209
- E** *Pritchardia hardyi* Rock 20850, 14209  
E 20850 U.S. - Hawaii (Kauai) 20850
- E** *Pritchardia kaalae* Rock 20850, 14209  
E 20850 U.S. - Hawaii (Oahu) 20850
- E** *Pritchardia lanigera* Becc. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- Ex/E** *Pritchardia lowreyana* Rock 20850, 14209  
Ex/E 20850 U.S. - Hawaii 20850
- E** *Pritchardia munroi* Rock 20850, 14209  
E 20850 U.S. - Hawaii (leeward Molokai) 20850
- E** *Pritchardia napaliensis* H. St. John 14209  
E 20828 U.S. - Hawaii (Kauai) 14209
- E** *Pritchardia remota* Becc. 20850, 14209  
E 20850 U.S. - Hawaii 20850
- E** *Pritchardia schattaueri* Hodel 20850, 14209  
E 20850 U.S. - Hawaii 20850
- R** *Pritchardia thurstonii* F. Muell. & Drude 10253  
R 15184 Fiji (eastern islands) 10253
- E** *Pritchardia viscosa* Rock 20850, 14209  
E 20850 U.S. - Hawaii (Kauai) 20850
- R** *Pritchardia waialealeana* R.W. Read 20850, 14209  
R 20850 U.S. - Hawaii 20850
- R** *Pritchardia woodfordiana* ined. 15138  
R 15138 Solomon Is. - South (Nggela Island) 15138
- E** *Pritchardiopsis jeanneneyi* Becc. 10237  
E 20893 New Caledonia 10237
- E** *Pseudophoenix ekmanii* Burret 2014  
E 8743 Dominican Republic 8743
- V** *Pseudophoenix lediniana* Read 2014  
V 14799 Haiti 8020
- I** *Pseudophoenix sargentii* H.A. Wendl. ex Sarg. ssp. *sargentii* 8020  
E 19002 U.S. - Florida 8020  
I Belize 8020  
V 19850 Mexico - Quintana Roo 9019
- E** *Ptychosperma bleeseri* Burret 20681, 15166  
E 20681 Australia - Northern Territory 20681
- R** *Ptychosperma gracile* Labill. 14790  
R 17945 Papua New Guinea - Bismarck Arch. (incl New Ireland &



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Ptychosperma*

- Britain) 10242
- R** *Ptychosperma hentyi* Essig 15147  
**R** 15147 Papua New Guinea - Bismarck Arch. (New Britain) 15147
- R** *Raphia australis* Oberm. & Strey 20604, 10520  
**E** 20745 Mozambique 20604  
**R** 20604 South Africa - Natal 20604
- E** *Ravenea albicans* (Jum.) Beentje 20071  
**E** 20071 Madagascar (north-east) 20071
- V** *Ravenea dransfieldii* Beentje 20071  
**V** 20071 Madagascar 20071
- V** *Ravenea glauca* Jum. & H. Perrier 10246  
**V** 17951 Madagascar (Andringitra Mts & Isalo) 20071
- E** *Ravenea hildebrandtii* Bouche ex Wendl. 10246  
**E** 20071 Comoros 20071
- E** *Ravenea julietiae* Beentje 20071  
**E** 20071 Madagascar (east) 20071
- V** *Ravenea krociana* Beentje 20071  
**V** 20071 Madagascar (Andohahela) 20071
- E** *Ravenea lakatra* (Jum.) Beentje 20071  
**E** 20071 Madagascar (east) 20071
- E** *Ravenea latisecta* Jum. 10246  
**E** 2014 Madagascar (Andasibe) 20071
- E** *Ravenea louvelii* Beentje 20071  
**E** 20071 Madagascar (Andasibe) 20071
- R** *Ravenea madagascariensis* Becc. 20071  
**R** 17951 Madagascar 20071
- V** *Ravenea moorei* J. Dransf. & N.W. Uhl 15145  
**V** 20071 Comoros (Grande Comore) 20071
- V** *Ravenea musicalis* Beentje 20071  
**V** 20071 Madagascar (south) 20071
- E** *Ravenea nana* Beentje 20071  
**E** 20071 Madagascar 20071
- V** *Ravenea rivularis* Jum. & H. Perrier 10246  
**V** 17951 Madagascar (Mangoky & Onilahy) 20071
- R** *Ravenea robustior* Jumelle & H. Perrier 11813  
**R** 20071 Madagascar 20071
- V** *Ravenea sambiranensis* Jumelle & H. Perrier 10246  
**V** 17951 Madagascar 20071
- E** *Ravenea xerophila* Jum. 10246  
**E** 20071 Madagascar 20071
- I** *Reinhardtia elegans* Liebm. ex Mart. 8020  
**I** 20826 Honduras 20826  
**R** 19850 Mexico - Chiapas 20826  
**R** 19850 Mexico - Oaxaca 20826
- R** *Reinhardtia gracilis* (H. Wendl.) Drude ex Dammer var. *tenuissima* H.E. Moore 8020  
**R** 19850 Mexico - Oaxaca 20826
- E** *Reinhardtia koschnyana* (H. Wendl. & Dammer) Burret 8020  
**E** 8743 Costa Rica (Alajuela) 8743  
**E** 20826 Honduras 20826  
**E** 8743 Nicaragua (Zelaya) 8743  
**E** 8743 Panama (Darien) 8743  
**E** 8743 Colombia (Antioquia and Choco) 8743
- E** *Reinhardtia paiewonskiana* Read, Zanoni & Mejia 10744  
**E** Dominican Republic (Mts.) 10744
- I** *Reinhardtia simplex* (H. Wendl.) Drude ex Dammer 8020  
**E** 8743 Costa Rica 8743
- I** 8743 Honduras 8020  
**I** 8743 Nicaragua 8743  
**E** 8743 Panama 8020  
**I** 20826 Colombia 20826
- R** *Rhapis divaricata* Gagnep. 13955  
**R** 15313 Vietnam 13955
- V** *Rhopaloblaste augusta* (Kurz) H.E. Moore 10526  
**V** 14827 India - Nicobar Is. (northern group) 10526
- R** *Rhopaloblaste elegans* H.E. Moore 15138  
**R** 17945 Solomon Is. - South 15138
- R** *Rhopaloblaste singaporensis* (Becc.) H.E. Moore 14043  
**V** Malaysia - Peninsular Malaysia 10249  
**R** 20099 Singapore 20099
- R** *Rhopalostylis baueri* (Hook.f.) H.A. Wendl & Drude var. *baueri* 19108  
**R** 19108 Australia - Norfolk Is. 15184
- R** *Rhopalostylis baueri* (Hook. f.) Wendl. & Drude var. *cheesemanii* (Becc. ex Cheesem.) W.R. Sykes 15184  
**R** 15184 New Zealand - Kermadec Is. 15184
- V** *Rhopalostylis chathamis* 20625  
**V** 20625 New Zealand - Chatham Is. 20625
- I** *Rhopalostylis sapida* H. Wendl. & Drude 15184  
**I** 15184 New Zealand 15184
- V** *Roscheria melanochaetes* (H.A. Wendl.) H.A. Wendl. ex Balf. f. 14296  
**V** Seychelles (granitic) 14296
- R** *Roystonea altissima* (Mill.) H.E. Moore 20883, 8020  
**R** 20883 Jamaica 20883
- R** *Roystonea borinquena* O.F. Cook 20883, 8020  
**I** 20883 Puerto Rico 20883  
**I** 20883 USA - Virgin Is. 20883
- V** *Roystonea elata* (Bartr.) F. Harper 20883, 20850, 2014  
**V** 20850 U.S. - Florida 20850  
**I** 20883 Cuba 20883  
**I** 20883 Puerto Rico 20883
- V** *Roystonea princeps* (Beccari) Burret 20883, 8020  
**R** 19890 Jamaica (west) 20883
- R** *Roystonea regia* (Kunth) O.F. Cook var. *pinguis* L.H. Bailey 9244  
**R** 19105 Cuba (Guantanamo) 9774
- E** *Sabal allenii* L.H. Bailey 20883  
**I** 20883 Panama 20883
- E** *Sabal bermudana* L.H. Bailey 14791  
**E** 11813 Bermuda 14791
- R** *Sabal gretheriae* Quero 15157  
**R** 19850 Mexico - Quintana Roo (Chiquilá) 15157
- Ex/E** *Sabal miamiensis* Zona 14791  
**Ex/E** 14791 U.S. - Florida (Miami pinelands) 14791
- R** *Sabal pumos* (Kunth) Burret 14791  
**R** 19850 Mexico 14791
- R** *Sabal uresana* Trel. 14791  
**R** 19850 Mexico 8020
- I** *Salacca clemensiana* Becc. 10668  
**E** 14712 Malaysia - Sabah 14712  
**E** 14712 Malaysia - Sarawak 14712  
**I** 14726 Philippines (incl. Sulu Archip.) 10668
- R** *Salacca dolicholepis* Burret 14712  
**R** 14712 Malaysia - Sabah (Kinabalu) 14712
- R** *Salacca dransfieldiana* Moegea 11177

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Salacca*

- R 14828 Indonesia - Kalimantan 11177
- R *Salacca flabellata* Furt. 10249  
R 14828 Malaysia - Peninsular Malaysia 10249
- V *Salacca graciliflora* Mogege 10674  
V 14701 Malaysia - Peninsular Malaysia 10674
- Ex/E *Salacca lophospatha* Dransf. & Mogege 10668  
Ex/E 14712 Malaysia - Sabah (type coll. only) 10668
- R *Salacca minuta* Mogege 10674  
R 14828 Malaysia - Peninsular Malaysia 10674
- E *Salacca multiflora* Mogege 10674  
E 17950 Malaysia - Peninsular Malaysia 10674
- R *Salacca palembanica* Mogege 14828  
R 14828 Indonesia - Sumatra 14828
- R *Salacca rupicola* Dransf. 14703  
R 14703 Malaysia - Sarawak (G. Mulu NP) 14703
- V *Satakentia liukuensis* (Hatusima) H.E. Moore 10250  
V Japan (Ryukyu Islands) 10250
- E *Satranala decussilvae* Beentje & J. Dransf. 20071  
E 20071 Madagascar 20071
- E *Schippia concolor* Burret 11813  
E 11813 Belize (Cayo) 8743  
E 11813 Guatemala (lower Petén) 8743
- R *Socratea hecatonandra* (Dugand) Bernal 20883, 11813  
I 20883 Colombia (west) 20883  
I 20883 Ecuador 20883
- I *Socratea salazarii* Moore 20883, 15727  
E 20883 Bolivia 20883  
E 20883 Brazil 20883  
R 20883 Peru (Loreto & Amazonas Depts) 20883
- R *Syagrus botryophora* (C. Martius) C. Martius 20883, 8020  
I 20883 Brazil 20883  
V 19614 Brazil - Bahia (coastal forest) 8743  
V 19614 Brazil - Espirito Santo 19614  
V 19614 Brazil - Sergipe 19614
- E *Syagrus cardenasii* Glassman 20883, 8020  
E 20883 Bolivia 20883
- I *Syagrus duartei* Glassman 8020  
I 20826 Brazil - Minas Gerais 20826
- R *Syagrus flexuosa* (C. Martius) Becc. 20883, 8020  
E 20883 Bolivia 20883  
I 20883 Brazil 20883
- R *Syagrus glaucescens* Glaziov ex Becc. 8020  
R 19614 Brazil - Minas Gerais 20826
- I *Syagrus graminifolia* (Drude) Becc. 8020  
I 19614 Brazil 8020  
E 20826 Paraguay 20826
- R *Syagrus harleyi* Glassman 8793  
R 19614 Brazil - Bahia 8793
- Ex/E *Syagrus leptospatha* Burret 8020  
Ex/E 19614 Brazil - Mato Grosso 8743
- V *Syagrus macrocarpa* Barb. Rodr. 8020  
E 19614 Brazil - Espirito Santo 19614  
V 19614 Brazil - Minas Gerais 8743
- R *Syagrus microphylla* Burret 8020  
R Brazil - Bahia 20826
- R *Syagrus orinocensis* (Spruce) Burret 20883, 8020  
R 20883 Colombia 20883  
V 20883 Venezuela 20883
- R *Syagrus picrophylla* Barb. Rodr. 8020  
R 19614 Brazil - Bahia (Serra do Mar) 8020
- R 19614 Brazil - Espirito Santo (Serra do Mar) 8020
- R 19614 Brazil - Rio de Janeiro (Serra do Mar) 8020
- R *Syagrus pleioclada* Burret 8020  
R 19614 Brazil - Mato Grosso 19614  
R 20827 Brazil - Minas Gerais 20826  
R 20827 Brazil - Sao Paulo 20826
- V *Syagrus pseudococos* (Raddi) Glassman 8743  
V 19614 Brazil - Espirito Santo 19614  
E Brazil - Rio de Janeiro 8743  
E Brazil - Sao Paulo 8743
- R *Syagrus ruschiana* (Bondar) Glassman 8020  
R 20827 Brazil - Espirito Santo 20826  
R 20827 Brazil - Minas Gerais 20826
- R *Syagrus smithii* (H.E. Moore) Glassman 20883, 8743  
V 20883 Brazil 20883  
R 19614 Brazil - Acre 19614  
R 20826 Colombia 20883  
R 20883 Peru (Loreto) 20883
- V *Syagrus stratincola* Wess. Boer 20883, 8679  
I 20826 French Guiana 20883  
E 20883 Suriname 20883
- R *Syagrus werdermannii* Burret 8020  
R 19614 Brazil (Cerrado) 8020
- E *Tectiphiala ferox* H.E. Moore 10082  
E 20771 Mauritius 10519
- E *Thrinax ekmaniana* (Burret) Borhidi & Muniz 11813  
E 19105 Cuba (Vila Clara) 5607
- R *Thrinax excelsa* Lodd. 20883, 8765  
R 20883 Jamaica 20883
- V *Thrinax parviflora* Sw. 20883  
V 20883 Jamaica 20883
- V *Thrinax rivularis* (Leon) Borhidi & Muniz var. *rivularis* 9996  
V 19105 Cuba (Guantanamo; Holguin) 9774
- V *Thrinax rivularis* (Leon) Borhidi & Muniz var. *savannarum* (Leon) Borhidi & Muniz 9996  
V 19105 Cuba (Guantanamo; Holguin) 9774
- V *Trachycarpus nana* Becc. 17617  
V 17617 China - Yunnan 11139
- R *Trithrinax biflabellata* Barb. Rodr. 20883, 14840  
E 20176 Argentina - Chaco 20176  
E 20176 Argentina - Formosa 20176  
E 20176 Argentina - Salta 20176  
V 20883 Bolivia 20883  
I 20883 Paraguay 20883
- V *Trithrinax brasiliensis* Mart. 14840  
E 19614 Brazil - Parana 19614  
E 19614 Brazil - Rio Grande do Sul 8743  
V 19614 Brazil - Santa Catarina 19614
- I *Trithrinax schizophylla* Drude 20883, 8020  
E 14840 Argentina (Jujuy province) 14840  
R 20883 Bolivia 20883  
I 20883 Brazil 20883
- R *Veillonina alba* H.E. Moore 10518  
R 15184 New Caledonia 10518
- Ex/E *Veitchia filifera* (H.A. Wendl.) H.E. Moore 10253  
Ex/E 19630 Fiji (Vanua Levu) 10253
- R *Veitchia joannis* H.A. Wendl. 10253  
R 15184 Fiji 10253
- R *Veitchia maddaniensis* H.E. Moore 13954  
R 15184 Vanuatu (Espirito Santo) 13954

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Palmae: *Veitchia*

- I** *Veitchia merrillii* (Becc.) Moore 14726  
**I** 14726 Philippines (Calamianes) 14726
- R** *Veitchia metiti* Becc. 15184  
**R** 15184 Vanuatu 15184
- E** *Veitchia montgomeryana* H.E. Moore 13954  
**E** 13954 Vanuatu (Efate) 13954
- E** *Veitchia pedionoma* (A.C. Smith) H.E. Moore 10253  
**E** 19630 Fiji (Vanua Levu) 10253
- E** *Veitchia petiolata* (Burret) H.E. Moore 10253  
**E** 19630 Fiji (Vanua Levu) 10253
- V** *Veitchia simulans* H.E. Moore 10253  
**V** 19630 Fiji (Taveuni) 10253
- E** *Veitchia spiralis* H. Wendl. 14844  
**E** 17945 Vanuatu 14844
- V** *Veitchia vitiensis* (H.A. Wendl.) H.E. Moore 10253  
**V** 15184 Fiji (Ovalau, Viti Levu & Kandavu) 10253
- V** *Verschaffeltia splendida* H.A. Wendl. 14296  
**V** Seychelles (granitic) 14296
- E** *Voanioala gerardii* J. Dransf. 14792  
**E** 20071 Madagascar (Masoala Peninsula) 20071
- R** *Wallichia triandra* (Joseph) S.K. Basu 14827  
**R** 14827 India - Arunachal Pradesh (Haylung, Wakroo, Lohit) 11494
- R** *Washingtonia filifera* (L. Linden) H. Wendl. 20883.  
 20850, 8020, 20171  
**E** 20850 U.S. - Arizona 20850  
**I** 20850 U.S. - California 20850  
**I** 20850 U.S. - Nevada 20850  
**R** Mexico 20883  
 20883 Bolivia 20883
- R** *Wendlandiella gracilis* Dammer 20883, 8020  
**E** 20883 Bolivia 20883  
**E** 20883 Brazil 20883  
**R** 20883 Peru 20883
- V** *Wendlandiella gracilis* Dammer var. *gracilis* 20883  
**E** 20883 Brazil 20883  
**V** 20883 Peru 20883
- E** *Wendlandiella gracilis* Dammer var. *polyclada*  
 (Burret) Henderson 20883  
**E** 20883 Peru 20883
- V** *Wendlandiella gracilis* Dammer var. *simplicifrons*  
 (Burret) Henderson 20883  
**V** 20883 Bolivia 20883  
**V** 20883 Peru 20883
- R** *Wendlandiella polyclada* Burret 8020  
**R** 19614 Peru 17955
- I** *Wendlandiella simplicifrons* Burret 8020  
**I** 19614 Peru 17955
- I** *Wettinia anomala* (Burret) R.Bernal 20826  
**I** 16853 Colombia 20826  
**I** 20827 Ecuador 20826
- R** *Wettinia augusta* Poepp. & Endl. 20883, 8020  
**E** 20883 Brazil 20883  
**E** 20883 Colombia 20883  
**R** 20883 Peru 20883
- V** *Wettinia disticha* R.Bernal 20826  
**V** 16853 Colombia (Cordillera Occidental) 10743
- R** *Wettinia drudei* (O.F. Cook & Doyle) Henderson 20883  
**E** 20883 Brazil 20883  
**V** 20883 Colombia 20883  
**V** 20883 Ecuador 20883

- V** 20883 Peru 20883
- I** *Wettinia fascicularis* Burr et H.E. Moore & Dransfield 16853  
**E** 16853 Colombia 8020  
**I** 20827 Ecuador 20826
- V** *Wettinia hirsuta* Burret 8020  
**V** 16853 Colombia 8020
- I** *Wettinia kalbreyeri* (Burret) R.Bernal 20826  
**I** 20826 Colombia 20826
- E** *Wettinia longipetala* A. Gentry 20883, 8801  
**E** 19614 Peru (Pasco) 20883
- R** *Wettinia maynensis* Spruce 20883, 8020  
**E** 20883 Colombia 20883  
**R** 20883 Ecuador 20883  
**R** 20883 Peru 20883
- I** *Wettinia minima* R.Bernal 20826  
**I** 20826 Ecuador 20826
- V** *Wodyetia bifurcata* Irvine 20681, 15153  
**V** 20681 Australia - Queensland 20681

**Pandanaceae**

Number of genera: 3  
 Number of species: 682 - 782  
 Recorded threatened species: 41 (5%)

Old World, especially tropical (Malasia).

- I** *Freycinetia auriculata* Merr. 13833  
**I** 13833 Philippines (low and medium altitudes) 13833
- R** *Freycinetia baueriana* Endl. ssp. *baueriana* 19108  
**R** 14226 Australia - Norfolk Is. 19108
- R** *Freycinetia marginata* Blume 20681  
**R** 20681 Australia - Queensland 20681
- I** *Freycinetia marquisensis* F. Brown  
**I** French Polynesia - Marquesas Is
- V** *Pandanus balfourii* Martelli 14296  
**V** 19182 Seychelles 14296
- R** *Pandanus barklyi* Belf. F. var. *barklyi* 20774  
**R** 20771 Mauritius 20774
- Ex** *Pandanus barklyi* Balf. f. var. *macrocarpus* Vaughan & Wiehe 20774  
**Ex** 20771 Mauritius 20774
- R** *Pandanus calcicola* Holttum & H. St. John  
**R** Malaysia - Peninsular Malaysia
- I** *Pandanus canaranus* Warb.  
**I** India - Karnataka (Mangalore)
- E** *Pandanus carmichaelii* Vaughan & Wiehe 20774  
**E** 20771 Mauritius 20774
- R** *Pandanus clandestinus* Stone 20893  
**R** 20893 New Caledonia 20893
- Ex** *Pandanus conglomeratus* Balf. f. 20774  
**Ex** 20771 Mauritius 20774
- V** *Pandanus decastigma* Stone 20893  
**V** 20893 New Caledonia 20893
- I** *Pandanus decipiens* Martelli 13833  
**I** 13833 Philippines (low altitude) 13833
- V** *Pandanus decumbens* (Brongn.) Solms-Laub. 20893  
**V** 20893 New Caledonia 20893
- Ex** *Pandanus druceus* Thouars 20774

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Pandanaceae: *Pandanus*

- Ex 20771 Mauritius 20774
- R** *Pandanus elatus* Ridley 881  
R 14224 Australia - Christmas Is. 881
- V** *Pandanus embuensis* St. John ined. 6073  
V 6073 Kenya 6073
- R** *Pandanus eydouxia* Balf.f. 20774  
R 20771 Mauritius 20774
- R** *Pandanus gemmifer* St. John 20681  
R 20681 Australia - Queensland 20681
- V** *Pandanus glaucocephalus* Vaughan & Wiehe 20774, 20771  
V 20771 Mauritius 20774
- I** *Pandanus hornei* Balf. f. 14296  
I 19182 Seychelles (granitic) 14296
- EX** *Pandanus iceryi* Horne ex Balf. f. 20774  
Ex 20771 Mauritius 20774
- EX** *Pandanus incertus* Vaughan & Wiehe 20774  
Ex 20771 Mauritius 20774
- R** *Pandanus irregularis* Ridley  
R Malaysia - Peninsular Malaysia
- R** *Pandanus julifer* Martelli 16040  
R 16040 Philippines (Camiguin de Misamis) 16040
- V** *Pandanus kajui* Beentje ined. 20057  
V 20057 Kenya (central) 20057
- E** *Pandanus lacuum* H. St. John 20893  
E 20893 New Caledonia 20893
- EX** *Pandanus macrostigma* Martelli 20774  
Ex 20771 Mauritius 20774
- I** *Pandanus merrillii* Warb. 13833  
I 13833 Philippines (Palawan) 13833
- E** *Pandanus microcarpus* 20774  
E 20771 Mauritius 20774
- R** *Pandanus multidrupaceus* Gagnepain 6057  
R Vietnam 6057
- I** *Pandanus multispicatus* Balf. f. 14296  
I 19182 Seychelles (granitic) 14296
- R** *Pandanus nativitatis* Ridley 881  
R 14224 Australia - Christmas Is. 881
- EX** *Pandanus obsoletus* Vaughan & Wiehe 20774  
Ex 20771 Mauritius 20774
- I** *Pandanus occulta* Merr. 13833  
I 13833 Philippines (low altitude) 13833
- E** *Pandanus palustris* Thouars 20774  
E 20771 Mauritius 20774
- R** *Pandanus piniformis* Holttum & H. St. John  
R Malaysia - Peninsular Malaysia
- R** *Pandanus polyglossus* Martelli 16040  
R 16040 Philippines 16040
- V** *Pandanus prostratus* Balf.f. 20774  
V 20771 Mauritius 20774
- E** *Pandanus pyramidalis* Barkly ex Balf.f. 20774  
E 20771 Mauritius 20774
- R** *Pandanus rigidifolius* Vaughan & Wiehe 20774  
R 20771 Mauritius 20774
- R** *Pandanus sarasinorum* 16040  
R 16040 Indonesia - Sulawesi 16040
- I** *Pandanus sechellarum* Balf. f. 14296  
I 19182 Seychelles (granitic) 14296
- EX** *Pandanus spathulatus* Martelle 20774

- Ex 20771 Mauritius 20774
- V** *Pandanus sphaeroideus* Thouars 20774  
V 20771 Mauritius 20774
- V** *Pandanus spiralis* R.Br. var. *flammeus*  
Stone 20681  
V 20681 Australia - Western Australia 20681
- V** *Pandanus vandermeerschii* Balf.f. 20774  
V 20771 Mauritius 20774
- E** *Pandanus verecundus* Stone 20893  
E 20893 New Caledonia 20893

**Phylodraceae**

Number of genera: 4  
Number of species: 5  
Recorded threatened species: 1 (20%)

Australia; western Pacific islands to Japan and mainland Southeast Asia.

- R** *Helmholtzia glaberrima* (Hook.f.) Caruel 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681

**Phormiaceae**

Number of genera: 7  
Number of species: 36  
Recorded threatened species: 4 (11%)

Old World tropics especially Australasia and South America.

- R** *Dianella fruticans* R.Henderson 20681  
R 20681 Australia - Queensland 20681
- I** *Dianella intermedia* Endl. var. *marquisensis* F. Brown  
I French Polynesia - Marquesas Is
- R** *Thelionema grande* (C.White) R.Henderson 20681  
I 20681 Australia - New South Wales 20681  
I 20681 Australia - Queensland 20681
- R** *Xeronema callistemon* W. Oliver  
R New Zealand - North Is.

**Pontederiaceae**

Number of genera: 9  
Number of species: 30  
Recorded threatened species: 1 (3%)

Tropical and subtropical; into North temperate region.

- R** *Heteranthera mexicana* S.Watson 20883, 20850  
V 20850 U.S. - Texas 20850  
I 20883 Mexico 20883

**Potamogetonaceae**

Number of genera: 1  
Number of species: 100  
Recorded threatened species: 9 (9%)

Cosmopolitan.

- E** *Potamogeton clystocarpus* Fern. 20850, 14781  
E 20850 U.S. - Texas 20850
- E** *Potamogeton floridanus* Small 20850  
E 20850 U.S. - Florida 20850
- R** *Potamogeton hillii* Morong 20850, 14352  
V 20850 Canada - Ontario 20850  
E 20850 U.S. - Connecticut 20850  
R 20850 U.S. - Massachusetts 20850

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Potamogetonaceae: *Potamogeton*

- V 20850 U.S. - Michigan 20850  
 V 20850 U.S. - New York 20850  
 E 20850 U.S. - Ohio 20850  
 E 20850 U.S. - Pennsylvania 20850  
 R 20850 U.S. - Vermont 20850  
 I 20850 U.S. - Wisconsin 20850
- E** *Potamogeton hoggarensis* Dandy 10487  
 E 14958 Algeria 10487
- R** *Potamogeton latifolius* (J.W. Robbins) Morong 20850  
 I 20850 U.S. - Arizona 20850  
 I 20850 U.S. - California 20850  
 I 20850 U.S. - Nevada 20850  
 I 20850 U.S. - Oregon 20850  
 E 20850 U.S. - Texas 20850  
 I 20850 U.S. - Utah 20850
- E** *Potamogeton mariannensis* Cham. & Schltr. 18338  
 E 18338 U.S. - Guam (Agana springs) 18338
- E** *Potamogeton odenii* Hellquist & Hilton 20850  
 E 20850 U.S. - Massachusetts 20850  
 E 20850 U.S. - New York 20850  
 E 20850 U.S. - Vermont 20850
- R** *Potamogeton subsibiricus* Hagstr. 20850, 14352  
 I 20850 Canada - New Brunswick 20850  
 V 13967 Canada - Mackenzie 13967  
 E 20850 Canada - Ontario 20850  
 V 20850 Canada - Quebec 20850  
 E 20850 Canada - Yukon Territory 20850  
 V 20850 U.S. - Alaska 20850
- V** *Potamogeton tennesseensis* Fern. 20850  
 E 20850 U.S. - Ohio 20850  
 E 20850 U.S. - Pennsylvania 20850  
 E 20850 U.S. - Tennessee 20850  
 E 20850 U.S. - Virginia 20850  
 I 20850 U.S. - West Virginia 20850

**Restionaceae**

Number of genera: 30  
 Number of species: 400  
 Recorded threatened species: 58 (14%)

Widely distributed in Southern Hemisphere, especially Australia and South Africa.

- V** *Askidiosperma longiflorum* (Pillans) H.P.Linder 20803  
 V 20803 South Africa - Cape Province 20803
- V** *Calopsis impolita* (Kunth) H.P.Linder 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Calopsis levynsiae* (Pillans) H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Calopsis monostylis* (Pillans) H.P.Linder 20604  
 I 20604 South Africa - Cape Province 20604
- V** *Calopsis rigorata* (Mast.) H.P.Linder 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Cannomois aristata* Mast. 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Ceratocaryum fistulosum* Mast. 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Ceratocaryum pulchrum* H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Chondropetalum acockii* Pillans 20604  
 E 20604 South Africa - Cape Province 20604
- V** *Chondropetalum rectum* (Mast.) Pillans 20604  
 V 20604 South Africa - Cape Province 20604
- I** *Elegia extensa* Pillans 20604, 3774  
 I 20604 South Africa - Cape Province 20604

- Ex** *Elegia fastigiata* Mast. 20604, 3774  
 Ex 20604 South Africa - Cape Province 20604
- V** *Elegia fenestrata* Pillans 20604  
 V 20604 South Africa - Cape Province 20604
- V** *Elegia prominens* Pillans 20604  
 V 20604 South Africa - Cape Province 20604
- V** *Elegia stokoei* Pillans 20604  
 V 20604 South Africa - Cape Province 20604
- V** *Elegia verreauxii* Mast. 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Hypodiscus alternans* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Hypodiscus sulcatus* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Ischyrolepis coactilis* (Mast.) H.P.Linder 20604  
 V 20604 South Africa - Cape Province 20604
- V** *Ischyrolepis duthieae* (Pillans) H.P.Linder 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Ischyrolepis esterhuyseniae* (Pillans) H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Ischyrolepis fuscidula* (Pillans) H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Ischyrolepis karoocica* Esterh. 20604  
 R 20604 South Africa - Cape Province 20604
- E** *Ischyrolepis sabulosa* (Pillans) H.P.Linder 20604  
 E 20604 South Africa - Cape Province 20604
- R** *Ischyrolepis vilis* (Kunth) H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Ischyrolepis wittebergensis* Esterh. 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Lepidobolus desertii* Gilg 20681  
 R 20681 Australia - Western Australia 20681
- R** *Lepyrodia valliculae* J.Black 20681  
 R 20681 Australia - South Australia 20681
- R** *Platycaulos cascadenis* (Pillans) H.P.Linder 20604  
 R 20604 South Africa - Cape Province 20604
- I** *Platycaulos subcompressus* (Pillans) H.P.Linder 20604  
 I 20604 South Africa - Cape Province 20604
- E** *Restio abortivus* Nees 20681  
 E 20681 Australia - Western Australia 20681
- E** *Restio acockii* Pillans 20604  
 E 20604 South Africa - Cape Province 20604
- I** *Restio aureolus* Pillans 20604  
 I 20604 South Africa - Cape Province 20604
- R** *Restio brunneus* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Restio chaunocoleus* F.Muell. 20681, 14223  
 V 20681 Australia - Western Australia 20681
- R** *Restio distans* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- R** *Restio dodii* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Restio festuciformis* Nees ex Mast. 20604  
 V 20604 South Africa - Cape Province 20604
- R** *Restio fusiformis* Pillans 20604  
 R 20604 South Africa - Cape Province 20604
- V** *Restio harveyi* Mast. 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Restionaceae: *Restio*

- V 20604 South Africa - Cape Province 20604
- R *Restio involutus* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- V *Restio longipes* L.A.S.Johnson & O.Evans 20681  
V 20681 Australia - New South Wales 20681
- E *Restio micans* (Kunth) Nees 20604  
E 20604 South Africa - Cape Province 20604
- R *Restio monocephalus* R.Br. 20681  
R 20681 Australia - Tasmania 20681
- R *Restio papyraceus* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- V *Restio scaber* Mast. 20604  
V 20604 South Africa - Cape Province 20604
- R *Restio tuberculatus* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- I *Staberoha multispicula* Pillans 20604  
I 20604 South Africa - Cape Province 20604
- R *Staberoha stokoei* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- R *Thamnochortus acuminatus* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- V *Thamnochortus dumosus* Mast. 20604  
V 20604 South Africa - Cape Province 20604
- I *Thamnochortus ellipticus* Pillans 20604  
I 20604 South Africa - Cape Province 20604
- R *Thamnochortus guthrieae* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- V *Thamnochortus muirii* Pillans 20604  
V 20604 South Africa - Cape Province 20604
- R *Thamnochortus nutans* (Thunb.) Pillans 20604  
R 20604 South Africa - Cape Province 20604
- V *Thamnochortus pellucidus* Pillans 20604  
V 20604 South Africa - Cape Province 20604
- V *Thamnochortus pluristachyus* Mast. 20604  
V 20604 South Africa - Cape Province 20604
- R *Willdenowia purpurea* Pillans 20604  
R 20604 South Africa - Cape Province 20604
- R *Winifredia sola* L.A.S.Johnson & B.G.Briggs 20681  
R 20681 Australia - Tasmania 20681

Ruscaceae

Number of genera: 3  
Number of species: 8  
Recorded threatened species: 4 (50%)

Macaronesia, Europe, Mediterranean, West Asia.

- R *Ruscus colchicus* Yeo 5942  
R Turkey  
I 5942 Georgia 5942
- V *Ruscus streptophyllus* Yeo  
V Portugal - Madeira
- R *Semele androgyna* (L.) Kunth  
R Portugal - Madeira  
V Spain - Canary Is.
- V *Semele gayae* (Webb) Svent. & Kunkel 20750  
V 20750 Spain - Canary Is. 20750

Smilacaceae

Number of genera: 12  
Number of species: 330  
Recorded threatened species: 11 (3%)

Tropical and subtropical, especially Southern Hemisphere; also in parts of North temperate region.

- R *Smilax biflora* Sieb. ex Miq. 11164  
R 11164 Japan 11164
- R *Smilax biltmoreana* (Small) J.B.S. Norton ex Pennell 20850  
I 20850 U.S. - Alabama 20850  
I 20850 U.S. - Florida 20850  
R 20850 U.S. - Georgia 20850  
I 20850 U.S. - Kentucky 20850  
R 20850 U.S. - North Carolina 20850  
I 20850 U.S. - South Carolina 20850  
V 20850 U.S. - Tennessee 20850
- R *Smilax canariensis* Brouss. ex Willd. 20171  
R Portugal - Madeira  
V Spain - Canary Is.
- I *Smilax chiriquensis* Morton 20883, 9006  
I 20883 Panama 20883
- R *Smilax cordato-ovata* Rich. 8679  
R French Guiana 8679
- R *Smilax divaricata* Sol. ex H.C.Watson 20171  
R Portugal - Azores
- V *Smilax jamesii* G. Wallace 20850  
V 20850 U.S. - California 20850
- V *Smilax luei* 20854  
V 20854 Taiwan 20854
- V *Smilax nantoensis* 20854  
V 20854 Taiwan 20854
- R *Smilax renifolia* Small 20850  
R 20850 U.S. - Texas 20850
- R *Smilax wightii* A. DC. 11494  
R 11494 India - Tamil Nadu (Nilgiri Hills) 11494

Stemonaceae

Number of genera: 3  
Number of species: 30  
Recorded threatened species: 2 (6%)

Eastern Asia; Malesia; northern Australia; southeastern United States.

- R *Croomia pauciflora* (Nutt.) Torr. 20850  
R 20850 U.S. - Alabama 20850  
V 20850 U.S. - Florida 20850  
E 20850 U.S. - Georgia 20850  
Ex/E 20850 U.S. - Louisiana 20850
- V *Stemona angusta* Telford 20681  
V 20681 Australia - Queensland 20681

Strelitziaceae

Number of genera: 3  
Number of species: 7  
Recorded threatened species: 2 (28%)

Tropical.

- I *Strelitzia alba* (L.f.) Skeels 20604  
I 20604 South Africa - Cape Province 20604
- R *Strelitzia juncea* Link 20604

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Strelitziaceae: *Strelitzia*

R 20604 South Africa - Cape Province 20604

**Tecophilaeaceae**

Number of genera: 6  
 Number of species: 42  
 Recorded threatened species: 3 (7%)

Africa, S.America to California.

- R *Cyanella aquatica* Oberm. ex G.Scott 20604  
 R 20604 South Africa - Cape Province 20604
- R *Cyanella cygnea* G.Scott 20604  
 R 20604 South Africa - Cape Province 20604
- Ex *Tecophilaea cyanocrocus* Leybold 6163  
 Ex 6163 Chile 6163
- R *Walleria gracilis* (Salisb.) S.Carter 20604  
 R 20604 South Africa - Cape Province 20604

**Trilliaceae**

Number of genera: 5  
 Number of species: 52  
 Recorded threatened species: 16 (30%)

North temperate.

- R *Scoliopus bigelovii* Torr. 20850  
 I 20850 U.S. - California 20850
- I *Trillium amabile* Miyabe & Tatew. 11164  
 I 11164 Japan 11164
- R *Trillium decipiens* J.D. Freeman 20850  
 V 20850 U.S. - Alabama 20850  
 I 20850 U.S. - Florida 20850  
 R 20850 U.S. - Georgia 20850
- R *Trillium discolor* Wray ex Hook. 20850  
 V 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850
- R *Trillium foetidissimum* J.D. Freeman 20850  
 R 20850 U.S. - Louisiana 20850  
 R 20850 U.S. - Mississippi 20850
- E *Trillium govanianum* Wallich ex Royle 11139  
 E China - Xizang Zizhiqu 11139
- R *Trillium lancifolium* Raf. 20850  
 V 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Florida 20850  
 V 20850 U.S. - Georgia 20850  
 I 20850 U.S. - Mississippi 20850  
 E 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Tennessee 20850  
 I 20850 U.S. - Virginia 20850
- R *Trillium ludovicianum* Harbison 20850  
 R 20850 U.S. - Louisiana 20850  
 E 20850 U.S. - Mississippi 20850
- R *Trillium nivale* Riddell 14905  
 R 14905 U.S. - Kentucky 14905  
 V 14905 U.S. - Michigan 14905  
 E 14905 U.S. - Pennsylvania 14905  
 E 14905 U.S. - South Dakota 14905  
 E 14905 U.S. - Wisconsin 14905
- R *Trillium parviflorum* Soukup 20850  
 I 20850 U.S. - Oregon 20850  
 V 20850 U.S. - Washington 20850
- E *Trillium persistens* Duncan 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - South Carolina 20850
- R *Trillium pusillum* Michx. 20850

- V 20850 U.S. - Alabama 20850  
 R 20850 U.S. - Arkansas 20850  
 I 20850 U.S. - Kentucky 20850  
 V 20850 U.S. - Maryland 20850  
 E 20850 U.S. - Mississippi 20850  
 V 20850 U.S. - Missouri 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - Oklahoma 20850  
 I 20850 U.S. - South Carolina 20850  
 V 20850 U.S. - Tennessee 20850  
 V 20850 U.S. - Texas 20850  
 V 20850 U.S. - Virginia 20850  
 E 20850 U.S. - West Virginia 20850

- R *Trillium pusillum* Michaux var. *ozarkanum* (Palmer & Steyermark) Steyermark. 20850  
 R 20850 U.S. - Arkansas 20850  
 E 20850 U.S. - Kentucky 20850  
 V 20850 U.S. - Missouri 20850  
 E 20850 U.S. - Oklahoma 20850  
 E 20850 U.S. - Tennessee 20850
- V *Trillium pusillum* Michaux var. *pusillum* 20850  
 V 20850 U.S. - Alabama 20850  
 E 20850 U.S. - Kentucky 20850  
 I 20850 U.S. - Maryland 20850  
 I 20850 U.S. - Mississippi 20850  
 E 20850 U.S. - North Carolina 20850  
 E 20850 U.S. - South Carolina 20850  
 E 20850 U.S. - Tennessee 20850
- V *Trillium pusillum* Michaux var. *virginianum* Fern. 20850  
 V 20850 U.S. - Maryland 20850  
 E 20850 U.S. - North Carolina 20850  
 V 20850 U.S. - Virginia 20850  
 I 20850 U.S. - West Virginia 20850
- V *Trillium reliquum* J.D. Freeman 20850  
 V 20850 U.S. - Alabama 20850  
 V 20850 U.S. - Georgia 20850  
 E 20850 U.S. - South Carolina 20850
- R *Trillium rugelii* Rendle 20850  
 V 20850 U.S. - Alabama 20850  
 R 20850 U.S. - Georgia 20850  
 V 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 V 20850 U.S. - Tennessee 20850
- R *Trillium simile* Gleason 20850  
 E 20850 U.S. - Georgia 20850  
 E 20850 U.S. - North Carolina 20850  
 I 20850 U.S. - South Carolina 20850  
 I 20850 U.S. - Tennessee 20850
- V *Trillium texanum* Buckl. 20850  
 E 20850 U.S. - Louisiana 20850  
 V 20850 U.S. - Texas 20850

**Triuridaceae**

Number of genera: 7  
 Number of species: 70  
 Recorded threatened species: 11 (15%)

Tropical and subtropical.

- R *Andruris japonica* (Makino) Giesen 11164  
 R 11164 Japan 11164
- R *Lacandonia schismatica* E. Martinez & C.H. Ramos 14293  
 R 19850 Mexico - Chiapas 14293
- I *Sciaphila africana* A. Chev. 7926  
 I Côte d'Ivoire (Bas-Cavally)  
 I 6072 Ghana (Ankasa) 6072

The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Triuridaceae: *Sciaphila*

- I** *Sciaphila erubescens* (Champ.) Miers 10252  
**I** 16162 Sri Lanka 10252
- I** *Sciaphila inornata* Petch ex Alston 10252  
**I** 16162 Sri Lanka 10252
- E** *Sciaphila okabeana* Tuy. 8037  
**E** 19134 Japan - Ogasawara-shoto 8037
- I** *Sciaphila secundiflora* Trimen ex Benth. 10252  
**I** 16162 Sri Lanka 10252
- R** *Sciaphila takakumensis* Ohwi 11164  
**R** 11164 Japan 11164
- E** *Sciaphila thailandica* K. Larsen 19120  
**E** 19120 Thailand (Chiang Mai) 19120
- R** *Sciaphila tosaensis* Makino 11164  
**R** 11164 Japan 11164
- V** *Seychellaria thomassetii* Hemsley 14296  
**V** 19182 Seychelles 14296

**Velloziaceae**

Number of genera: 6  
 Number of species: 250  
 Recorded threatened species: 5 (2%)

South America; Africa; Madagascar; southern Arabia.

- E** *Vellozia panamensis* Standl. 20883, 9006  
**I** 20883 Panama 20883
- R** *Xerophyta argentea* (Wüld) Loren B. Smith & Agens.  
**R** Zimbabwe
- I** *Xerophyta goetzei* (Harms) L.L. Smith & Ayensu 5926  
**I** 5926 Tanzania 5926
- I** *Xerophyta longicaulis* Hilliard 20604  
**I** 20604 South Africa - Natal 20604
- I** *Xerophyta nutans* L.B. Smith & Ayensu 5926  
**I** 5926 Tanzania 5926

**Xanthorrhoeaceae**

Number of genera: 9  
 Number of species: 15  
 Recorded threatened species: 3 (20%)

Australia; Tasmania; New Guinea; New Caledonia.

- V** *Xanthorrhoea arenaria* Bedford 20681  
**V** 20681 Australia - Tasmania 20681
- V** *Xanthorrhoea bracteata* R.Br. 20681  
**V** 20681 Australia - Tasmania 20681
- R** *Xanthorrhoea brevistyla* D.Herbert 20681  
**R** 20681 Australia - Western Australia 20681

**Xyridaceae**

Number of genera: 4  
 Number of species: 200  
 Recorded threatened species: 19 (9%)

Tropical and subtropical; a few species in temperate zone.

- R** *Albolboda abbreviata* Malme 21283  
**R** 21283 Brazil 21283
- R** *Albolboda bella* Maguire 21283  
**R** 21283 Venezuela 21283
- R** *Albolboda eglery* Lyman B. Smith & Downs 21283  
**R** 21283 Brazil 21283
- R** *Xyris chapmanii* Bridges & Orzell 20850  
**I** 20850 U.S. - Alabama 20850

- E** 20850 U.S. - Florida 20850  
**I** 20850 U.S. - Georgia 20850  
**V** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**I** 20850 U.S. - Texas 20850

- R** *Xyris columbiana* Malme 11699  
**R** 11699 Colombia 11699  
**R** 11699 Venezuela 11699
- R** *Xyris contracta* Maguire & Lyman B. Smith 11699  
**R** 11699 Brazil 11699  
**R** 11699 Venezuela 11699

- R** *Xyris drummondii* Malme 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Louisiana 20850  
**V** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - Texas 20850

- E** *Xyris ekmanii* Malme 5607  
**E** 19105 Cuba (Pinar del Rio) 5607
- V** *Xyris guillauminii* Conert 20893  
**V** 20893 New Caledonia 20893

- I** *Xyris intermedia* Malme 5607  
**I** 19105 Cuba (Pinar del Rio) 5607
- V** *Xyris isoeifolia* Kral 20850  
**I** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850

- E** *Xyris longibracteata* Britton & P. Wilson 5607  
**E** 19105 Cuba (Juventud Is.) 5607

- V** *Xyris longisepala* Kral 20850  
**E** 20850 U.S. - Alabama 20850  
**V** 20850 U.S. - Florida 20850

- R** *Xyris neblinae* Maguire & Lyman B. Smith 11699  
**R** Venezuela 11699

- R** *Xyris nigrescens* Kraal 10128  
**R** 11699 Costa Rica 10128

- R** *Xyris rubrolimbata* Heimerl 11699  
**R** 11699 Colombia 11699  
**R** 11699 Venezuela 11699

- R** *Xyris scabrifolia* Harper 20850  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Florida 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Louisiana 20850  
**E** 20850 U.S. - Mississippi 20850  
**V** 20850 U.S. - North Carolina 20850  
**I** 20850 U.S. - South Carolina 20850  
**V** 20850 U.S. - Texas 20850

- E** *Xyris tennesseensis* Kral 20850, 14775  
**E** 20850 U.S. - Alabama 20850  
**E** 20850 U.S. - Georgia 20850  
**E** 20850 U.S. - Tennessee 20850

- R** *Xyris terrestris* Idrobo & Lyman B. Smith 11699  
**R** 11699 Colombia 11699

**Zannichelliaceae**

Number of genera: 4  
 Number of species: 7-8  
 Recorded threatened species: 1 (12%)

Cosmopolitan.

- R** *Zannichellia macrocarpa* 19575  
**R** 19575 Argentina 19575



The 1997 IUCN Red List of Threatened Plants

Liliopsida (monocots): Zingiberaceae: *Achasma*

Zingiberaceae

Number of genera: 47  
 Number of species: 1,000  
 Recorded threatened species: 76 (7%)

Tropical regions, especially southern and Southeast Asia.

- R** *Achasma triorgyale* (Baker) Holttum  
**R** Malaysia - Peninsular Malaysia
- R** *Aframomum alpinum* (Gagnepain) Schumann 7959  
**R** 5926 Tanzania 7959
- I** *Aframomum laxiflorum* Lock 7959  
**I** 5926 Tanzania 5926
- I** *Aframomum letestuanum* Gagnep.  
**I** Gabon
- R** *Aframomum longiligulatum* Koechlin  
**R** Cameroon
- R** *Aframomum usambarense* J.M. Lock 7959  
**R** 5926 Tanzania 7959
- E** *Alpinia bilamellata* Makino 8037  
**E** 19134 Japan - Ogasawara-shoto 8037
- R** *Alpinia boninsimensis* Makino 8038  
**R** 19134 Japan - Ogasawara-shoto (Chichijima; Hahajima) 8038
- I** *Alpinia fax* Burt & Smith 8021  
**I** 16162 Sri Lanka (Kalupahana, Tangamalai FoR) 8021
- I** *Alpinia foxworthyii* Ridl. 13833  
**I** 13833 Philippines 13833
- R** *Alpinia gagnepainii* Schumann 6057  
**R** Vietnam 6057
- R** *Alpinia hylandii* R.M.Smith 20681  
**R** 20681 Australia - Queensland 20681
- I** *Alpinia rufescens* (Thwaites) Schum. 8021  
**I** 16162 Sri Lanka (Dickoya, Kandy) 8021
- I** *Amomum acuminatum* Thwaites 8021  
**I** 16162 Sri Lanka (Ekneligoda, Ratnapura) 8021
- I** *Amomum benthamianum* Trimen 8021  
**I** 16162 Sri Lanka (Reigam Korale, Kalutara) 8021
- R** *Amomum dallachyi* F.Muell. 20681  
**R** 20681 Australia - Queensland 20681
- I** *Amomum echinocarpum* Alston 8021  
**I** 20013 Sri Lanka (Kandy) 8021
- I** *Amomum fulviceps* Thwaites 8021  
**I** 20013 Sri Lanka 8021
- I** *Amomum graminifolium* Thwaites 8021  
**I** 16162 Sri Lanka (Sinharaja) 8021
- I** *Amomum hypoleucum* Thwaites 8021  
**I** India - Tamil Nadu  
**I** 16162 Sri Lanka 8021
- I** *Amomum masticatorium* Thwaites 8021  
**I** 20013 Sri Lanka 8021
- R** *Amomum microstephanum* Baker 13883  
**R** 13883 India - Karnataka (Concan) 13883  
**R** 13883 India - Tamil Nadu 13883
- I** *Amomum nemorale* (Thwaites) Trimen 8021  
**I** 20013 Sri Lanka (Hewessa, Kalutara) 8021
- I** *Amomum palawanense* Elm. 13833  
**I** 13833 Philippines (low altitude) 13833
- R** *Amomum queenslandicum* R.M.Smith 20681  
**R** 20681 Australia - Queensland 20681
- R** *Amomum thyrsoideum* Gagnepain 6057  
**R** Vietnam 6057
- I** *Amomum trichostachyum* Alston 8021  
**I** 16162 Sri Lanka (Gulmale FoR) 8021
- R** *Amomum vespertilio* Gagnepain 6057  
**R** Vietnam 6057
- R** *Aulotandra kamerunensis* Loes.  
**R** Cameroon
- I** *Boesenbergia albo-lutea* (Baker) Schecht. 7771  
**I** India - Andaman Is. 7771
- R** *Boesenbergia curtisii* (Hook.f.) Schltr.  
**R** Malaysia - Peninsular Malaysia
- I** *Boesenbergia pulcherrima* (Wallich) Kuntze  
**I** India - Karnataka (Western Ghats)  
**I** India - Kerala
- I** *Cautleya petiolata* Baker  
**I** India - Himachal Pradesh  
**I** India - Uttar Pradesh
- I** *Curcuma albiflora* Thwaites 8021  
**I** 16162 Sri Lanka (Kitulgala FoR, Kegalle) 8021
- I** *Curcuma decipiens* Dalz.  
**I** India (Western Ghats)
- R** *Curcuma montana* Roxb.  
**I** India - Karnataka  
**R** 18228 India - Tamil Nadu 18228
- R** *Etlingeria australasica* (R.M.Smith) R.M.Smith 20681  
**R** 20681 Australia - Queensland 20681
- R** *Geanthus vignauii* (Rech.) Loes. 8006  
**R** U.S. - American Samoa 8006  
**R** Western Samoa 8006
- R** *Globba albiflora* Ridley  
**R** Malaysia - Peninsular Malaysia
- R** *Globba fasciata* Ridl. 19209  
**R** Malaysia - Peninsular Malaysia (Perak) 19209
- R** *Globba globulifera* Gagnepain 6057  
**R** Vietnam 6057
- I** *Globba pauciflora* Baker 7771  
**I** India - Andaman Is. (S. Andaman Is.) 7771
- I** *Hedychium calcaratum* A. Rao & Verma  
**I** India - Meghalaya (Khasi hills)
- I** *Hedychium dekianum* A. Rao & Verma  
**I** India - Meghalaya (Khasi & Jaintia hills)
- I** *Hedychium gracillimum* A. Rao & Verma  
**I** India - Meghalaya (Khasi hills)
- I** *Hedychium gratum* A. Rao & Verma  
**I** India - Meghalaya (Khasi hills)
- I** *Hedychium longipedunculatum* Sastry & Verma  
**I** India - Arunachal Pradesh (Subansiri)
- Ex** *Hedychium marginatum* C.B. Clarke  
**Ex** India - Nagaland
- I** *Hedychium rubrum* A. Rao & Verma  
**I** India - Meghalaya
- R** *Kaempferia cochinchinensis* Gagnepain 6057  
**R** Vietnam 6057
- R** *Kaempferia decora* van Druenen  
**R** Mozambique

The 1997 IUCN Red List of Threatened Plants

- I** *Kaempferia rotunda* L.  
**I** India - Kerala (Trivandrum)
- I** *Kaempferia siphonantha* Baker 7771  
**I** India - Andaman Is. 7771
- V** *Mantisia spathulata* Schultes 14872  
**V** 14872 Bangladesh 14872
- V** *Paracaulleya bhatii* Smith 13883  
**V** 13883 India - Karnataka (South Kanara Dist., Manipal) 13883
- I** *Renealmia alticola* Maas 9660  
**I** 9660 Colombia 9660
- R** *Renealmia brasiliensis* K.Schumann 11307  
**R** 11307 Brazil - Espirito Santo 11307  
**R** 11307 Brazil - Guanabara 11307  
**R** 11307 Brazil - Minas Gerais 11307
- R** *Renealmia caucana* Maas 9660  
**R** 9660 Colombia 9660
- R** *Renealmia chalconcholora* Schumann 9660  
**R** 9660 Colombia 9660
- E** *Renealmia chiriquina* Standl. 20883, 10125  
**I** 20883 Panama 20883
- R** *Renealmia chrysotricha* O.G.Petersen 11307  
**R** 11307 Brazil (Corcovada Mts.) 11307
- I** *Renealmia cuatrecasasii* Maas 9660  
**I** 9660 Colombia 9660
- E** *Renealmia dressleri* Maas 20883, 10747  
**I** 20883 Panama 20883
- I** *Renealmia ferruginea* Maas 9660  
**I** 9660 Colombia 9660
- E** *Renealmia helenae* Maas 20883, 10125  
**V** 9429 Panama 20883
- I** *Renealmia lucida* Maas 9660  
**I** 9660 Colombia 9660
- R** *Renealmia oligotricha* Maas 10125  
**R** Ecuador 10125
- V** *Renealmia pallida* Maas 18200  
**V** 12468 Peru 18200
- R** *Renealmia pirrensis* P. Maas & H. Maas 11310  
**R** 11306 Panama 11310
- Ex/E** *Renealmia pycnostachys* K.Schumann 11307  
**Ex/E** 11307 Brazil - Minas Gerais 11307
- R** *Renealmia sylvestris* (Sw.) Horan. 20883  
**R** 20883 Jamaica 20883
- I** *Renealmia vallensis* Maas 9660  
**I** 9660 Colombia 9660
- V** *Renealmia wurdackii* Maas 18200  
**V** 12468 Peru 18200
- R** *Siliquamomum tonkinense* Baillon 6057  
**R** Vietnam 6057
- I** *Siphonochilus aethiopicus* (Schweinf.)  
**B.L.Burt** 20604, 15013  
**I** 20604 Swaziland 20604  
**E** 20604 South Africa - Natal 20604  
**E** 20604 South Africa - Transvaal 20604
- I** *Zingiber cernuum* Dalz.  
**I** India - Karnataka (Concan)
- R** *Zingiber rufopilosum* Gagnepain 6057  
**R** Vietnam 6057

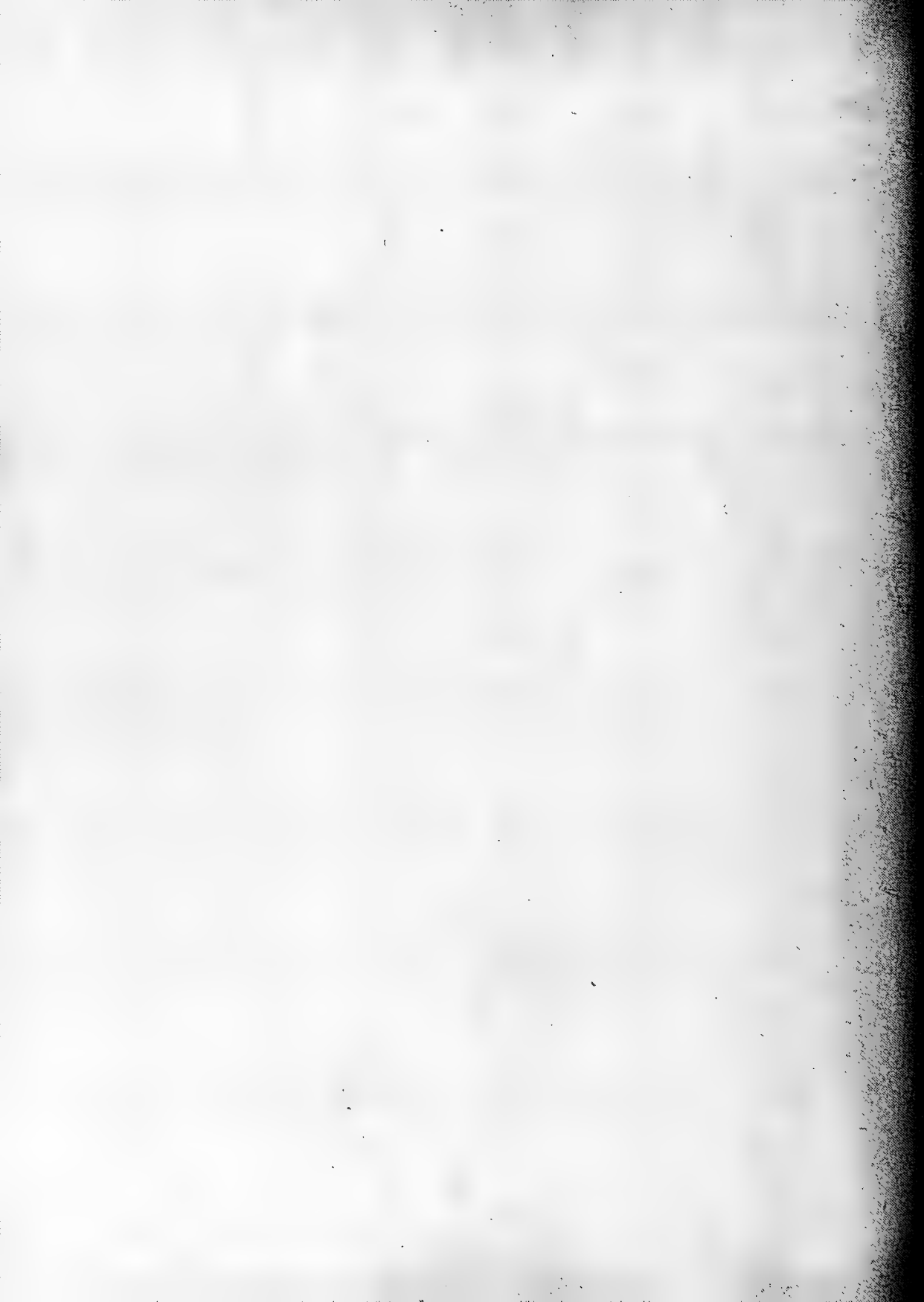
**Zosteraceae**

Number of genera: 3  
 Number of species: 18  
 Recorded threatened species: 1 (5%)

Subarctic, temperate, subtropical seacoasts.

- R** *Phyllospadix serrulatus* Rupr. ex Aschers. 20850  
**I** 20850 Canada - British Columbia 20850  
**V** 20850 U.S. - Alaska 20850  
**I** 20850 U.S. - Oregon 20850  
**I** 20850 U.S. - Washington 20850

## **DATA SOURCES**



## Data sources for The 1997 IUCN Red List of Threatened Plants

- 23 Lucas, G. Ll. & Syngé, H. (comps.). (1978). The IUCN Plant Red Data Book. Morges, Switzerland: IUCN. 540 pp.
- 86 Williams, G.R. & Given, D.R. (1981). The Red Data Book of New Zealand: rare and endangered species of endemic terrestrial vertebrates and vascular plants. Wellington, N.Z.: Nature Conservation Council. 175 pp. Maps.
- 320 Leigh, J.H. & Boden, R. (1979). Australian flora in the Endangered Species Convention - CITES. Spec. Publ. No. 3. Canberra, Australian National Parks and Wildlife Service. 93 pp. Col. illus.
- 881 Leigh, J.H., Briggs, J.D., & Hartley, W. (1981). Rare or threatened Australian plants. Spec. Publ. No. 7. Canberra: Australian National Parks and Wildlife Service. 178 pp. Illus., maps.
- 1034 Douglas, G.W., Argus, G.W., Dickson, H.L., & Brunton, D.F. (1981). Les plantes vasculaires rares du Yukon. [The rare vascular plants of the Yukon.]. *Syllogeus* 61(35):28-64. Maps. Contribution to Unesco Program on Man and the Biosphere.
- 1058 Hunt, D.R. (1982). The conservation status of Mexican mammillarias: a preliminary assessment. *Cact. Succ. J.* (U.K.) 44(4):87-88.
- 1144 Holttum, R.E. (1982). *Diplazium prescottianum* (Wall. ex Hook.) Bedd: a Singapore fern now possibly extinct. *Gard. Bull. Singapore* 35(1):65-68. Illus.
- 1170 Nair, N.C. & Ramachandran, V.S. (1982). A note on the rare plant *Oianthus disciflorus* Hook.f. *Bull. Bot. Surv. India* 22(1-4):234-235. (1980 publ. 1982).
- 1172 Nair, N.C. & Srinivasan, S.R. (1982). Rediscovery of *Eugenia discifera* Gamble (Myrtaceae) and its lectotypification. *Bull. Bot. Surv. India* 22(1-4):232-233. (1980 publ. 1982).
- 1746 Krasnitskii, A.M. (1978). Osnovyé zadachi spetsializatsii zapovednogo dela. [Foundation problems of specialization in the nature reserve business.]. In Latvia. Akademiya Nauk Latviiskoi SSR. Institut Biologii. Rastitel'nyi mir okhranyaemykh territorii. Riga, Zinatne. 29-33. Rus. Includes nature reserve organization.
- 1920 Anon. (1978). UNESCO's programmes on natural resources and environment for 1979-80. *Nat. Resources* 14(4):13-28.
- 1975 Ortuno, F. & Pena, J. de la. (1977). Reservas y cotos nacionales de caza: 2. Región Cantábrica. Colección Naturaleza Española: 3. Madrid, INCAFO. 253p. Sp. Col. illus., maps.
- 2014 Moore, H.E. (1979). Endangerment at the specific and generic levels in palms. *Principes* 23(2):47-64.
- 2050 Holub, J., Procházká, F., & Cеровsky, J. (1979). Seznam vykynulých, endemických a ohrozených taxonu vyssich rostlin kveteny CSR (1. verze). [List of the extinct, endemic and threatened taxa of vascular plants of the flora of the Czech Socialist Republic (first draft)]. *Preslia* 51(3):213-237. Cz (En).
- 2063 Maher, R.V., Argus, G.W., Harms, V.L., & Hudson, J.H. (1979). Les plantes vasculaires rares de la Saskatchewan. [The rare vascular plants of Saskatchewan]. *Syllogeus* 20:55. Maps.
- 2203 Kuzmanov, B. (1978). About the "Red Book of Rare Bulgarian Plants". *Phytology* 9:17-33. English summary.
- 2232 Ward, D.B. (ed.). (1979). Rare and endangered biota of Florida: 5. Plants. Gainesville: University Presses of Florida. 175 pp. Illus., maps. Series edited by P.C.H. Pritchard. Reviewed in *Threatened Pl. Commit. Newsl.*, 7: 23-24 (1981).
- 2268 Abraham, Z. & Mehrotra, B.N. (1983). Some observations on endemic species and rare plants of the montane flora of the Nilgiris, South India. *J. Econ. Taxon. Bot.* 3(3):863-867. 1982 publ. 1983.
- 2327 Anon. (1983). Rediscovered! The black orchid. *S. Afr. Gard. Home* April 1983:53.55. Col. illus. *Disa bodkinii*.
- 2358 Lobo, M. da G.A. (1982). *Sipolisia languginosa* Glaziou: uma espécie ameaçada de extinção. Flora, espécies raras ou ameaçadas de extinção: 1. *Cadernos FEEMA Ser. Trab. Techn.* 18:21-24.
- 2359 Vianna, M.C. (1982). *Vochysia oppugnata* (Vell.) Warm., canela-santa: uma Vochysiaceae ameaçada. Flora, espécies raras ou ameaçadas de extinção: 1. *Cadernos FEEMA Ser. Trab. Techn.* 18:13-20. Por. Illus.
- 2383 Carauta, J.P.P. & Castro, M.W. de. (1982). Plantas em perigo de extinção: *Dorstenia*. Flora, alguns estudos: 1. *Cadernos FEEMA Ser. Trab. Techn.* 1:29-65. Por (En). Illus. 16 spp. of *Dorstenia*.
- 2409 Casari, M.B. (1982). Espécies de *Anthurium* (Araceae) raras ou ameaçadas no Estado do Rio de Janeiro. (Rare or endangered *Anthurium* (Araceae) species in the State of Rio de Janeiro.). [Rare or endangered *Anthurium* (Araceae) species in the State of Rio de Janeiro.] Flora, alguns estudos: 1. *Cadernos FEEMA Ser. Trab. Techn.* 1:17-27. Por (En). Illus.
- 2457 Ertter, B. (1983). Notes on *Ivesia rhypara*. *Madroño* 30(4):257-258.
- 2790 Ayensu, E.S. & DeFilipps, R.A. (1978). Endangered and threatened plants of the United States. Washington, DC: Smithsonian Institution and World Wildlife Fund Inc. 403 pp. Lists 90 Extinct, 839 Endangered and 1211 Threatened taxa for the continental U.S. Also covers Hawaii, Puerto Rico and Virgin Is.
- 2897 Phillips, B.R. (1980). Saving an endangered plant in Bermuda. *Threatened Pl. Commit.*

*Data sources for The 1997 IUCN Red List of Threatened Plants*

- Newsl.* 5:6-7.
- 3060 Sahni, K.C. & Naithani, H.B. (1979). A rare and spectacular rhododendron from Kameng District. *Indian Forester* 105(1):77.
- 3064 Maher, R.V., White, D.J., Argus, G.W., & Keddy, P.A. (1978). The rare vascular plants of Nova Scotia. *Syllogeus* 18:1-38.
- 3119 Sauleda, R.P. & Adams, R.M. (1979). *Encyclia inaguensis* Nash ex Britton and Millsbaugh - a rare orchid from the Bahama Islands and the Caicos group. *Bull. Amer. Orchid Soc.* 48(3):257-260. Illus.
- 3204 Cronk, Q.C.B. (1980). Extinction and survival in the endemic vascular flora of Ascension Island. *Biological Conservation* 17(3):207-219. Illus., map.
- 3260 Veblen, T.T. (1978). Guatemalan conifers. *Unasylva* 29(118):25-30. Includes conservation.
- 3374 Kondratiuk, I., Ivashyn, D.S., & Burda, R.I. (1978). Study of the flora and vegetation of the Stanitsa-Lugansk branch of the Lugansk State Reservation. *Introd. Aklim. Rosl. Ukr. Akad. Nauk. URSR* 13:18-22. Uk (Rus).
- 3434 Jaakkola, E. (1980). Finland's rich forests. *Naturopa* no. 34/35:55.
- 3774 Hall, A.V., de Winter, M., de Winter, B., & van Oosterhout, S.A.M. (1980). Threatened plants of Southern Africa: a report of the Committee for Terrestrial Ecosystems National Programme for Environmental Sciences. Pretoria: South African National Scientific Programmes Report No. 45. CSIR. 244 pp.
- 4066 Jermy, A.C. (ed.). (1980). Notulae et novitates Muluenses No. 1. *Bot. J. Linn. Soc.* 81:1-46. En. Illus., map, key. Includes one substantial paper and two short notes on Bornean palms by J. Dransfield.
- 4115 U.S. Department of the Interior. Fish and Wildlife Service. (1985). Endangered and threatened wildlife and plants: proposal to determine *Coryphantha robbinsorum* (Cochise pincushion cactus) to be a threatened species. *Federal Register* 50(44):9083-9086.
- 4300 Arora, Y.K. & Gupta, R.K. (1983). Native ornamental orchids: conservation and cultivation of endangered and extinct species. *J. Econ. Taxon. Bot.* 4(2):393-411. Illus.
- 4321 Day, R.T. (1983). A survey and census of the endangered furbish lousewort, *Pedicularis furbishiae*, in New Brunswick. *Canadian Field-Naturalist* 97(3):325-327. Maps.
- 4380 Hinds, H.R. (1983). The rare vascular plants of New Brunswick. *Syllogeus* 50:38. En. Fr. Maps.
- 4480 Aiken, S.R. & Leigh, C.H. (1984). A second national park for Peninsular Malaysia? The Endau-Rompin controversy. *Biological Conservation* 29(3):253-276. Maps.
- 4650 Popenoe, J. (1984). Threatened plants in the Bahamas. *Threatened Pl. Newsl.* 13:11.
- 4705 Abeywickrama, B.A. (1983). Threatened or endangered plants of Sri Lanka and the status of their conservation measures. pp. 11-18 In Jain, S.K., Mehra, K.L. (eds.). Conservation of tropical plant resources. Howrah. Botanical Survey of India.
- 4952 Nietschmann, B. (1984). Biosphere reserves and traditional societies. In UNESCO-UNEP. Conservation, science and society. Paris. Unesco. 499-508. Contributions to the First International Biosphere Reserve Congress, Minsk, Byelorussia/USSR, 26 September - 2 October 1983. Map.
- 4988 Jain, S.K. & Sastry, A.R.K. (comps.). (1983). Materials for a catalogue of threatened plants of India. Howrah. Botanical Survey of India. 69 pp.
- 5042 Rackham, O. et al. (1983). Trees in the 21st century. Berkhamsted, A B Academic Publishers. 133p. Illus., maps.
- 5170 Powell, D. & Covacevich, J. (1983). Lister's palm, *Arenga listeri*, on Christmas Island: a rare or vulnerable species? *Principes* 27(2):89-93. Illus.
- 5204 Velchev, V., Kozuharov, S., Bondev, I., Kuzmanov, B., & Markova, M. (1984). Chervena kniga na NR Bulgariya: izcheznali, zastrasheni ot izchezvane i redki rasteniya i zhivotni: tom 1. Rasteniya. [Red Data Book of the People's Republic of Bulgaria: v. 1. Plants]. Sofiya: Izdatelstvo na Bulgarskata Akademiya na Naukite. 447 pp. Bul (En, Rus). Illus., col. illus., maps.
- 5231 Hore, D.K. & Balakrishnan, N.P. (1984). Orchids of Great Nicobar Island and their conservation. *J. Bombay Nat. Hist. Soc.* 81(3):626-635.
- 5314 Barreno, E. et al. (1984). Listado de plantas endémicas, raras o amenazadas de España-Islas Canarias. [List of endemic, rare or threatened plants in Spain: Canary Islands]. *Información Ambiental* (Conservacionismo en España) 3:XXVIII, XXIV.
- 5374 Pal, G.D. (1983). *Christensenia aesculifolia* (Blume) Maxon: first report of a poorly known fern from Subansiri District, Arunachal Pradesh, India. *Bull. Bot. Surv. India* 24(1-4):180-182. Illus. (1982 publ. 1983).
- 5375 Nair, N.C. & Srinivasan, S.R. (1983). On the rediscovery of *Koiledepas calycinum* Bedd. (Euphorbiaceae) and *Holcolemma canaliculatum* (Nees ex Steud.) Stapf. ex Hubbard (Poaceae) from south India. *Bull. Bot. Surv. India* 24(1-4):241-242. (1982 publ. 1983).
- 5376 Dixit, R.D. & Ghosh, B. (1983). Additional collections of *Lindsaea tenera* Dryand., endemic to India. *Bull. Bot. Surv. India* 24(1-4):240. (1982 publ. 1983).
- 5379 Henry, A.N. & Swaminathan, M.S. (1983). On the

## Data sources for The 1997 IUCN Red List of Threatened Plants

- rediscovery of two rare endemic plants of India. *Bull. Bot. Surv. India* 24(1-4):234-235. Illus. (1982 publ. 1983).
- 5387 Perring, F.H. & Farrell, L. (1983).** British Red Data Book: 1. Vascular plants. (2nd ed.). Lincoln: RSNL. 99 pp. Identifies more than 300 rare and threatened taxa, 17.6% of the native flora, and summarises status of and threats to each species.
- 5399 Gómez-Campo, C. (ed.). (1985).** Plant conservation in the Mediterranean area. Geobotany Series 7. Dordrecht: Dr W. Junk Publishers. 269 pp. Illus., maps.
- 5403 Gomez-Campo, C. & Malato-Beliz, J. (1985).** The Iberian Peninsula. In Gomez-Campo, C. (ed.) Plants conservation in the Mediterranean area. pp. 47-70 in (ed. ). Dordrecht: Dr W. Junk. Illus. Maps.
- 5409 Snogerup, S. (1985).** The Mediterranean islands. pp. 160-173 In Gomez-Campo, C. (ed.). Plant conservation in the Medierranean area. Dordrecht: Dr W. Junk. Illus. Map.
- 5410 Leon, C., Synge, H., & Lucas, G.LI. (1985).** The value of information in saving threatened Mediterranean plants. In Gomez-Campo, C. (ed.). Plant conservation in the Mediterranean area. Dordrecht, Dr W. Junk. 177-196.
- 5437 Melville, R. (1970).** Endangered plants and conservation in the islands of the Indian Ocean. In Papers and proceedings of the IUCN 11th technical meeting, New Delhi, India, 25-28 November 1969. Switzerland, IUCN. 103-107.
- 5462 Pingitore, E.J. (1981).** Especies vegetales en vias de extinción de la Republica Argentina. *Bol. Soc. Hort. Argentina* 37:10-13. Tentative list of 69 threatened species.
- 5465 Leigh, J.H., Boden, R., & Briggs, J.D. (1984).** Extinct and endangered plants of Australia. Melbourne: Macmillan. 369 pp. Includes detailed case studies of 76 species presumed extinct and 203 which are endangered.
- 5532 Carvalho, J.C.M. (1968).** Lista das espécies de animais e plantas ameaçadas de extinção no Brasil. [List of plant and animal species threatened with extinction in Brazil]. *Fund. Brasil. Conserv. Natureza, Bol. Inform.* 3:11-16. Por. 13 species listed.
- 5567 Bouchard, A.D., Barabe, D., Dumais, M., & Hay, S. (1983).** The rare vascular plants of Quebec. *Syllogeus* 48:79. En. Fr.
- 5595 Marticorena, C. (1980).** Threatened plants and areas of Chile. Universidad de Concepcion. List of threatened plants of the continent and Islas of Mas a Tierra, Mas Afuera, Santa Clara, San Felix and San Ambrosio.
- 5598 Schlegel Sachs, F.M. (1982).** Especies Chilenas Amenazadas. Univ. Austral de Chile. List of threatened plants including Ex:9, E:53, V:15, R:42.
- 5607 Borhidi, A. & Muñiz, O. (1983).** Catálogo de plantas Cubanas amenazadas o extinguidas. La Habana: Acad. Ciencias de Cuba. 85 pp. Lists 959 species of gymnosperms and flowering plants threatened or extinct, including 832 endemics, with their distribution by provinces and assignment into categories - noncompatible with IUCN categories.
- 5642 Jiménez, J. de J. (1978).** Lista tentativa de plantas de la República Dominicana que deben protegerse para evitar su extinción. Santo Domingo: Coloquio Internacional sobre la practica de la conservación. CIBIMA/UASD. Lists 133 species of threatened flowering plants, of which 49 are endemic.
- 5670 Porter, D.M. (1990).** Red Data Bulletin: Galapagos Islands. In prep. 232 endemic vascular plant taxa with notes on their distribution and conservation status.
- 5710 Sastre, C. (1978).** Plantes menacées de Guadeloupe et de Martinique. 1. Espèces altitudinales. [Threatened plants of Guadeloupe and Martinique. 1. High altitude species]. *Bull. Mus. Natn. Hist. Nat.* (3 series) 519:65-93. Fr (En). Description of vegetation, sheets on 13 rare and threatened species with illustrations and habitat photographs.
- 5727 Cook, C.D.K. (1980).** The status of some Indian endemic plants. *Threatened Pl. Commit. Newsl.* 6:17-18. Mentions 5 threatened wetland species.
- 5767 Lee, T.B. (1980).** Rare and endangered species in the area of Mt Sorak. *Bull. Kwanak Arbor.* 3:197-201. Mentions 12 taxa with notes on distribution. (Ko).
- 5815 Given, D.R. (comp.). (1976).** Threatened plants of New Zealand: a register of rare and endangered plants of the New Zealand Botanical Region. Christchurch, DSIR. Loose-leaf series of detailed double-paged datasheets with maps on 50 selected threatened species. Supplements in 1977, 1978.
- 5825 Gjerlaug, H.C. (1975).** Liste over truede ogleller sjeldne planter i Norge, karsporeplanter og froplanter. Oslo. (unpublished). No. Includes a list of rare and threatened plants.
- 5851 Woodbury, R.O. et al. (1975).** Rare and endangered plants of Puerto Rico: a committee report. Commonwealth of Puerto Rico: USDA Soil Conservation Service and Dept. of Natural Resources. 85 pp. Lists 515 rare and endangered species of endemic and non-endemic plants, with their habitat, distribution and threat.
- 5852 Strahm, W. (1989).** Plant Red Data Book for Rodrigues. Königstein: Koeltz Scientific Books. 241 pp. maps, illus. Includes detailed accounts of all endemics and threatened non-endemic species, incl. conservation categories; introduction on geography, botany and conservation problems. Illus., maps.
- 5908 Wickens, G.E. (1979).** Sudan. Part of Appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 85-88 In Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist & Wiksell International. Contains 258 species and infraspecific taxa.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 5914 **Kemp, E.S. (1979).** Swaziland. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 101-103 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm, Almqvist & Wiksell International. Stockholm: Almqvist & Wiksell International. Contains 155 species and infraspecific taxa: E:2, V:16, R:137.
- 5926 **Wingfield, R.C. (1979).** Tanzania. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 95-99 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist & Wiksell International. Contains about 390 endemic species and infraspecific taxa.
- 5929 **Bain, J. & Humphrey, S.R. (1982).** A profile of the endangered species of Thailand. Gainesville, Florida: Office of Ecological Services. 367 pp. Lists 53 plant taxa rare or threatened in Thailand, with 3 data sheets and 14 dot maps. 2 vols.
- 5932 **Adams, C.D. & Baksh, Y.S. (1981).** What is an endangered plant? *Living World*:9-14. Journal of the Trinidad and Tobago Field Naturalists Club. Includes distribution tables of 648 threatened non-endemic species and of 215 endemic species, with criteria for ranking the selected species.
- 5942 **Borodin, A.M. et al. (1985).** Krasnaya kniga SSSR: redkie i nakhodyashchiesya pod ugrozoi ischeznoventiya vidy zhivotnykh i rastenii. - izdanie vtoroje [2]: tom pervyyi - vtoroj [1-2]. (2nd edition). {Plant Red Data Book for the USSR}. Moscow: Lesnaya Promyshlennost. Illus., col., maps. Vol. 1 - Animals; Vol. 2 - Plants.
- 6057 **Loc, P.K. (1986).** Lists of rare and endangered plant species of Vietnam (1986-1988).
- 6062 **Fukarek, P. (1959).** Arbres et arbustes rares et menacés de la flore de Yougoslavie. [Rare and threatened trees and shrubs of Yugoslavia]. pp. 159-165 *In* IUCN. Animaux et végétaux rares de la Région Méditerranéenne. Proceedings of the IUCN 7th Technical Meeting, 11-19 September 1958, Athens, vol. 5. Brussels: IUCN.
- 6072 **Hall, J.B. (1979).** Ghana. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 88-91 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist and Wiksell. Contains 210 species and infraspecific taxa.
- 6073 **Gillett, J.B. (1979).** Kenya. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 93-94 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm, Almqvist & Wiksell International. Stockholm: Almqvist & Wiksell International. Examples of taxa threatened in major vegetation types, and includes E:11, V:20, R:4, I:1.
- 6074 **Nooteboom, H.P. (1984).** A new *Shorea* from Java. *Flora Malesiana Bull.* 9(1):44-45.
- 6086 **Adjanohoun, E.J. (1979).** Benin. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 91-92 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist & Wiksell International.
- 6087 **Gilbert, M. (1979).** Ethiopia. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 92-93 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist & Wiksell International. Contains 29 endemic succulent taxa - E:1, V:4, R:12, I:12.
- 6088 **Wild, H. & Müller, T. (1979).** Rhodesia. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. pp. 99-100 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation. Stockholm: Almqvist & Wiksell International. Contains 84 species and infraspecific taxa: E:18, V:26, R:40.
- 6154 **Steyermark, J.A. (1977).** Future outlook for threatened and endangered species in Venezuela. pp. 128-135 *In* Prance, G.T., Elias, T.S. (eds.). Extinction is forever. Proceedings of a symposium at the New York Botanical Garden, 11-13 May 1976. New York: New York Botanical Garden. General review of the extent and occurrence of endemism and floristic relationships in Venezuela.
- 6155 **Gentry, A.H. (1977).** Endangered plant species and habitats of Ecuador and Amazonian Peru. *In* Prance, G.T., Elias, T.S. (eds.). Extinction is forever. Proceedings of a symposium at the New York Botanical Garden, 11-13 May 1976. New York, New York Botanical Garden. 136-149. Maps. An assessment of threatened and endangered habitats.
- 6163 **Muñoz P., C. (1977).** Threatened and endangered species of plants in Chile. *In* Prance, G.T., Elias, T.S. (eds.). Extinction is forever. Proceedings of a symposium at the New York Botanical Garden, 11-13 May 1976. New York, New York Botanical Garden. 251-253. Plant list.
- 6164 **Ravenna, P. (1977).** Neotropical species threatened and endangered by human activity in the Iridaceae, Amaryllidaceae and allied bulbous families. pp. 257-266 *In* Prance, G.T., Elias, T.S. (eds.). Extinction is forever. Proceedings of a symposium at the New York Botanical Garden, 11-13 May 1976. Bronx, New York: New York Botanical Garden. Illus.
- 6165 **Moore, H.E. (1977).** Endangerment at the specific and generic levels in palms. pp. 267-282 *In* Prance, G.T., Elias, T.S. (eds.). Extinction is forever. Proceedings of a symposium at the New York Botanical Garden, 11-13 May 1976. Bronx: New York Botanical Garden. Illus.
- 6180 **Hall, A.V. & Veldhuis, H.A. (1985).** South African Red Data Book: plants - Fynbos and Karoo biomes. Pretoria: CSIR. 160 pp. South African National Scientific Programmes Report No. 117.
- 6197 **Anon. (1984).** Arnold Arboretum joins forces with other gardens to save the rarest plants. *Plant Sciences* 4(3):3.
- 6295 **Chandrabose, M., Nair, N.C., & Chandrasekaran, V.**



## Data sources for The 1997 IUCN Red List of Threatened Plants

- (1982). Two rare and threatened flowering plants of South India: rediscovered. *Indian J. Forest.* 5(2):159-160.
- 6369 **Klosowski, S. & Chęcinska-Rybak, A. (1984).** Goździkowate. (Carnation family.). *Przyroda Polska* 6:23-25. Pol. Col. illus. Protected plants.
- 6796 **Cody, W.J. (1979).** Vascular plants of restricted range in the continental Northwest Territories, Canada. *Sylogosus* 23:1-57.
- 6930 **Takhtajan, A.L. (1981).** Rare and vanishing plants of the USSR to be protected. Leningrad: Nauka. 202 pp.
- 6936 **Futak, J. (1981).** Endemicke rastliny Slovenska. [Endemic plants of Slovakia.]. pp. 45-47 *In* Holub, J. (ed.). Mizejici flora a ochrana fytozofondu v CSSR. (The vanishing flora and protection of the gene pool in Czechoslovakia.) Studie CSAV, 20. Prague: Academia. Cz (En).
- 6951 **Hendrych, R. (1981).** Bemerkungen zum Endemismus in der Flora der Tschechoslowakei. [Observations on endemism in the flora of Czechoslovakia]. *Preslia* 53:97-120. Translated from German.
- 6963 **Andriamampianina, J. (1979).** Madagascar. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. p. 103 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation: Proc. of a sym. held in Uppsala in commemoration of the 500th ann. of the Univ. Stockholm: Almqvist & Wiksell International.
- 6966 **Guillarmod, A.J. (1979).** Lesotho. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. p. 101 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation: Proc. of a symposium held in Uppsala in commemoration of the 500th anniversary of the Univ. Stockholm. 101. Stockholm: Almqvist & Wiksell.
- 6968 **Huntley, B.J. (1979).** Angola. Part of appendix to: Possibilities and needs for conservation of plant species and vegetation in Africa. p. 90 *In* Hedberg, I. (ed.). Systematic botany, plant utilization and biosphere conservation: Proc. of a sym. held in Uppsala in commemoration of the 500th ann. of the Univ. Stockholm, Almqvist & Wiksell Int'l. 99. Stockholm: Almqvist & Wiksell.
- 6987 **Henry, A.N. & Swaminathan, M.S. (1979).** Rare or little known plants from south India. *J. Bombay Nat. Hist. Soc.* 76(2):373-376.
- 7072 **Lanfranco, E. (1983).** Safeguarding our environment. 3. Malta's plant life. *The Teacher* 3:23. illus.
- 7200 **Martinelli, G. & Leme, E. (1986).** Rare bromeliads from Brazil, No. 2 *Vriesea triligulata*. *J. Bromeliad Soc.* 36(1):18-20.
- 7201 **Croat, T.B. (1985).** A new collection of the rare *Alloschemone occidentalis* (Poepp.) Engl. & Krause. *Aroideana* 8(3):80-82.
- 7389 **Koopowitz, H. & Kaye, H. (1983).** Plant extinction: a global crisis. Washington, DC: Stone Wall Press. 239 pp.
- 7588 **Lee, Y.-N. (1981).** Plants. *In* Choi, K.-C., et al. (eds.). Rare and endangered species of animals and plants of Republic of Korea. Seoul. Korean Association for Conservation of Nature. 154-271, 277-280.
- 7607 **Kiew, R. (1983).** Portraits of threatened plants. (*Ilex praetermissa* Kiew and *Didymocarpus primulina* Ridley). *Malay. Naturalist* 37(2):6-7.
- 7609 **Ng, F.S.P. & Low, C.M. (1982).** Checklist of endemic trees of the Malay peninsula. Kepong, Malaysia: Forest Research Institute. 94 pp. Lists 654 trees endemic to the Malay peninsula, including peninsular Thailand; rarity is based on numbers of herbarium specimens.
- 7730 **van Steenis, C.G.G.J. (1948).** Flora Malesiana. Leiden: Flora Malesiana Foundation. Illus., maps. (20 volumes planned. 8 volumes on flowering plants (Series I) and two volumes on pteridophytes (Series II) published by 1991).
- 7731 **Hara, H., Stearn, W.T., & Williams, L. (1978-1982).** An enumeration of the flowering plants of Nepal. London, British Museum (Natural History). 3 vols.
- 7738 **Shrestha, T.B. (1986).** List of endemic plants - Nepal.
- 7739 **Mukherjee, S.K. (1985).** Systematic and ecogeographic studies of crop gene-pools: 1. *Mangifera* L. Rome, IBPGR Secretariat. 30 pp. Tables. Maps. Extensive bibliography.
- 7747 **Hamann, O. & Wium-Andersen, S. (1986).** *Scalesia gordilloi* sp. nov. (Asteraceae) from the Galapagos Islands, Ecuador. *Nord. J. Bot.* 6:35-38.
- 7749 **Exell, A.W., Wild, H., Fernandes, A., Brenan, J.P.M., & Launert, E. (eds.). (1960-1995).** Flora Zambesiaca. Volumes published up until 1996. London, Crown Agents.
- 7750 **Fernandes, R.B. & Fernandes, A. (1976).** Anacardiaceae africanae novae vel minus cognitae III. *Garcia de Orta* 3(1):15-16.
- 7752 **Wild, H. (1965).** The flora of the great dyke of Southern Rhodesia with special reference to the serpentine soils. *Kirkia* 5(1):49-86.
- 7753 **Obermeyer, A.A. (1962).** A new *Haemanthus* and a new *Tritonia* from Southern Africa. *Kirkia* 3:22-24.
- 7754 **Wild, H. (1964).** The endemic species of the Chimanimani Mountains and their significance. *Kirkia* 4:125-157. lists species endemic to

Data sources for The 1997 IUCN Red List of Threatened Plants

- Mozambique and Zimbabwe, with appendix of species endemic on Mount Mulanje, Nyasaland (Malawi).  
 7755 **Brenan, J.P.M. (1960).** *Triceratella*, a new genus of Commelinaceae from Southern Africa. *Kirkia* 1:14-19.  
 7757 **Wild, H. (1963).** New and interesting species. *Kirkia* 4:45-73.  
 7758 **Brenan, J.P.M. (1963).** Santalaceae. In Wild, H. The endemic species of the Chimanimani Mountains and their significance. *Kirkia* 4:125-157.  
 7759 **Peterson, B. (1963).** Thymeleaceae. In Wild, H. The endemic species of the Chimanimani Mountains and their significance. *Kirkia* 4:125-157.  
 7760 **Verdcourt, B. (1960).** New Convolvulaceae from the Flora Zambesiaca area. *Kirkia* 1:26-31.  
 7761 **Verdcourt, B. (1967).** New Convolvulaceae from the Flora Zambesiaca area II. *Kirkia* 6(1):117-122.  
 7763 **Reynolds, G.W. (1960).** A new species and a new variety of *Aloe* from Southern Rhodesia. *Kirkia* 1(2):156-159.  
 7764 **Summerhayes, V.S. (1961).** A new genus of orchids from Southern Africa. *Kirkia* 1(2):88-89.  
 7765 **Beard, J.S. (1962).** The genus *Protea* in tropical Africa. *Kirkia* 3:138-206.  
 7768 **Launert, E. (1961).** Some new species of *Eragrostis* from southern tropical Africa. *Boletín da Soc. Brot.* Ser.2 35:15-27.  
 7769 **Merxmuller, H. (1953).** Neue Sippen aus Süd-Rhodesia. *Mit. Bot. Munch.* 6:196-208.  
 7771 **Jain, S.K. & Rao, R.R. (1983).** An assessment of threatened plants of India. Proceedings of the seminar held at Dehra Dun, 14-17 Sept., 1981. Howrah, Botanical Survey of India. 334 pp.  
 7772 **Henderson, R.J.F. (1969).** Contributions from the Queensland Herbarium. No. 2 *Podolepis monticola*, a new species of Compositae from Queensland. Brisbane: Queensland Herbarium. Department of Primary Industries. 9 pp. Illus.  
 7848 **Oliver, D., Thiselton-Dyer, W.T., Prain, D., & Hill, A.W. (eds.). (1868).** Flora of tropical Africa. Ashford, Kent: English Ministry of the Colonies. Incomplete; 10 vols - last part 1937.  
 7849 **Brenan, J. et al. (1953-1954).** Plants collected by the Vernay Nyasaland Expedition of 1946. *Memoirs of the New York Botanical Garden*. Three articles in two successive volumes: 8:191-256, 8:409-506, 9:1-132.  
 7853 **Wild, H. (1969).** The genus *Nidorella* Cass. *Bol. Soc. Brot.* 43:209-246.  
 7855 **Huber, H. (1957).** Revision der gattung *Ceropegia*. *Memórias Sociedade Bróteriana* 12:1-214. Tables.  
 7856 **Grey-Wilson, C. (1977).** Studies in African *Impatiens* (Balsaminaceae). Thesis, published by the Reading University. 2 vols. 860 pp.  
 7858 **Nelmes, E. (1955).** Notes on Cyperaceae XXXVI. *Kew Bull.* 10:91-92.  
 7859 **Kabuye, C.H.S. & Renvoize, S.A. (1975).** The genus *Aloeochoete*, tribe Danthoniae (Gramineae). *Kew Bull.* 30:569-577.  
 7860 **Verdcourt, B. (1970).** Studies in the Leguminosae - Papilionoideae for the Flora of Tropical East Africa: I. *Kew Bull.* 24:1-70.  
 7861 **Gillett, J.B. (1958).** *Lotus* in Africa south of the Sahara and its distinction from *Dorycnium*. *Kew Bull.* 13:361-381.  
 7862 **Taylor, P. (1958).** Tropical African Primulaceae. *Kew Bull.* 13:133-149.  
 7865 **Bally, P.R.O. (1961).** The genus *Monadenium*. Printed in Berne. Illus., maps.  
 7866 **Blackmoore, S. (1980).** The genus *Kniphofia* (Liliaceae) in Malawi. *Nyala* 6(2):115-124.  
 7867 **Duvigneaud, P. (1954).** *Humularia*. in Flore Congo Belge, Ruanda, Urundi. 7 volumes by 1958. Published by l'Institut National pour l'Etude Agronomique du Congo Belge.  
 7869 **Bremekamp, C.E.B. (1953).** Some new species of *Pavetta* L. from Tropical and South Africa II. *Kew Bull.* 8:501-505.  
 7871 **Bullock, A.A. (1953).** Notes on African Asclepiadaceae III. *Kew Bull.* 8:329-362.  
 7872 **Bullock, A.A. (1956).** Notes on African Asclepiadaceae VII. *Kew Bull.* 10:611-626.  
 7874 **Hubbard, C.E. (1957).** Notes on African grasses XXV. *Kew Bull.* 12:51-52.  
 7875 **Summerhayes, V.S. (1957).** African orchids XXIV. *Kew Bull.* 12:107-126.  
 7876 **Peterson, B. (1958).** A new species of the genus *Struthiola* (Thymeleaceae). *Kew Bull.* 13:319-320.  
 7877 **Summerhayes, V.S. (1958).** African orchids XXV. *Kew Bull.* 13:57-87.  
 7879 **Summerhayes, V.S. (1962).** African orchids XXVIII. *Kew Bull.* 16:253-314.  
 7881 **Summerhayes, V.S. (1966).** African orchids XXX.

Data sources for The 1997 IUCN Red List of Threatened Plants

- Kew Bull.* 20:165-199.
- 7883 **Bremekamp, C.E.B. (1971).** Tropical African plants XXXI: Rubiaceae. *Kew Bull.* 25:186-188.
- 7884 **Polhill, R.M. (1974).** A revision of *Pearsonia* (Leguminosae - Papilionoideae). *Kew Bull.* 29:383-410.
- 7889 **Leach, L.C. & Plowes, D.C.H. (1966).** Stapelias from South Tropical Africa, II. *Journal of South African Botany* 32:41-60.
- 7890 **Burt, B.L. (1962).** Studies in the Gesneriaceae of the Old World XXII. *Notes Royal Bot. Garden Edinburgh* 24:41-49.
- 7892 **Jonsell, B. (1975).** *Lepidium* L. (Cruciferae) in Tropical Africa. *Botaniska Notiser* 43:20-46.
- 7895 **Hartley, T.G. (1982).** *Maclurodendron*: A new genus of Rutaceae from Southeast Asia. *Gard. Bull. Sing.* 35:1-19.
- 7896 **Hartley, T.G. (1974).** A revision of the genus *Acronychia* (Rutaceae). *Journ. Arnold Arb.* 55:470-567. Only part of an article continuing through two hefts.
- 7897 **Zarzycki, K. & Wojewoda, W. (1986).** Lista roślin wymierających i zagrożonych w Polsce. [List of threatened plants in Poland]. Warszawa: Państwowe Wydawnictwo Naukowe (Polish Scientific Publishers). 128 pp. English summary.
- 7902 **Mendes, E.J. (1969).** Adnotaciones et adnotaciones Florae Mozambicanae - I. *Bol. Soc. Brot. Ser.2* 43:333-339.
- 7906 **Exell, A.W. & Mendonca, F.A. (1973).** Duas espécies novas de *Teclea* (Rutaceae). *Garcia de Orta Ser.Bot.* 1:93-94. Planches.
- 7916 **Brenan, J.P.M. (1960).** New and noteworthy *Cassias* from Tropical Africa II. *Kew Bull.* 14:178-188.
- 7917 **Gillett, J.B. (1970).** Additions to our knowledge of *Indigofera* L. in East Tropical Africa. *Kew Bull.* 24:465-506.
- 7918 **Verdcourt, B. (1972).** Studies in the Leguminosae - Papilionoideae - Hedysareae (sensu lato) for the 'Flora Zambesiaca': 2. *Kew Bull.* 27:435-445.
- 7921 **Phipps, J.B. (1964).** Studies in the Arundinellae (Gramineae), I. *Kirkia* 4:87-124.
- 7922 **Dyer, R.A. & Verdoorn, I. (1969).** *Encephalartos manikensis* and its near allies. *Kirkia* 7(1):147-158.
- 7923 **Wild, H. (1972).** New and interesting species of Compositae from South Central Africa I. *Kirkia* 8:167-172.
- 7924 **Müller, T. (1986).** Returned questionnaire: Endemics of Zimbabwe: *Aloes* and *Euphorbias* of Zimbabwe.
- 7925 **Cox, P.A. (1986).** Returned Questionnaire: American Samoa and Western Samoa.
- 7926 **Hutchinson, J., Dalziel, J.M., & Hepper, F.N. (1927).** Flora of West Tropical Africa. Published by the English Ministry of State for the Colonies. 3 vols to 1972. 2nd edition.
- 7927 **Aubreville, A. & Leroy, J.-F. (1961-1995).** Flore du Gabon. Published by the Gabon Government through Muséum National d'Histoire Naturelle, Paris. Incomplete; 34 volumes by 1996.
- 7954 **Souza, S. de. (1981).** Letter to G. Lucas. Université Nationale du Bénin. Laboratoire de Botanique. Comments on 27 (possibly) threatened plant taxa in Benin.
- 7955 **Polunin, O. & Stainton, A. (1984).** Flowers of the Himalaya. Oxford, Oxford Univ. Press. 580p. Illus.
- 7956 **Hooker, J.D. (1872).** Flora of British India. London.
- 7958 **Bhandari, M.M. (1978).** Flora of the Indian Desert. Jodhpur, Scientific Publishers. 471p.
- 7959 **Turrill, W.B., Milne-Redhead, E., Hubbard, C.E., & Polhill, R.M. (1952).** Flora of Tropical East Africa. Published by the East African Community. Still being produced (1985) in separate hefts for each (part of a) family.
- 7961 **U.S. Department of the Interior. Fish and Wildlife Service. (1983).** Endangered and threatened wildlife and plants: proposed endangered status for *Jatropha costaricensis* (Quemador del Pacifico). *Federal Register* 48(137):32525-32526.
- 7967 **U.S. Department of the Interior. Fish and Wildlife Service. (1985).** Endangered and threatened wildlife and plants: final rule to determine *Zanthoxylum thomasianum* to be an endangered species. *Federal Register* 50(245):51867-51870.
- 7983 **U.S. Department of the Interior. Fish and Wildlife Service. (1986).** Endangered and threatened wildlife and plants: proposed endangered or threatened status for seven Florida scrub plants. *Federal Register* 51(69):12444-12451.
- 7984 **U.S. Department of the Interior. Fish and Wildlife Service. (1985).** Endangered and threatened wildlife and plants: final rule to determine *Buxus vahlii* as an endangered species. *Federal Register* 50(156):32572-32575.
- 7996 **U.S. Department of the Interior. Fish and Wildlife Service. (1985).** Endangered and threatened wildlife and plants: reopening of comment period on proposed Endangered status for *Cupressus abramsiana* (Santa Cruz cypress). *Fed. Reg.* 50(228):48616-48617.
- 7999 **U.S. Department of the Interior. Fish and Wildlife**

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Service. (1986). Endangered and threatened wildlife and plants: proposed endangered status for *Banara vanderbiltii*. *Federal Register* 51(69):12455-12457.
- 8000 Tutin, T.G. et al. (eds.) (1964). *Flora Europaea*. (1st ed.). Cambridge: Cambridge University Press. 5 vols, 1964-1980. 2nd ed. vol 1 1993.
- 8001 Komarov, V.L. & Shishkin, B.K. (1933). *Flora URSS*. Jerusalem, Israel: Academy of Sciences of the USSR, Moscow and Leningrad. 30 vols (1933-1964). Program for Scientific Translations. Vols 1-21 and 24 translated into English, 1963-1979, by N. Landau.
- 8003 Berhaut, J. (1971). *Flore illustrée du Sénégal*. Gouvernement du Sénégal, Ministère du Développement Rural. 6 vols by 1979.
- 8006 Amerson, A.B., Whistler, W.A., & Schwaner, T.D. (1982). *Wildlife and wildlife habitat of American Samoa*. II: Accounts of flora and fauna. Washington, DC, U.S. Fish and Wildlife Service. 151 pp. Annotated list, maps.
- 8015 Grey-Wilson, C. (1984). *Plants in peril*: 1. *Kew Mag.* 1(2):92-93. The African Violet, Saintpaulia.
- 8020 Glassman, S.F. (1972). A revision of B.E. Dahlgren's index of American palms. *Cramer*. 294 pp. *Phanerogamarum Monographiae Tomus VI*.
- 8021 Dassanayake, M.D. & Fosberg, F.R. (eds.). (1980). *A revised handbook to the flora of Ceylon*. New Delhi: Amerind Publ. Co. 5 vols so far.
- 8037 Iwatsuki, K. (1986). Annotations to: List of plants in the CMC database for Ogasawara-Gunto.
- 8038 Yoshida, A. & Tannawa, T. (1977). Endangered plant species of the Ogasawara Islands. *Notes Waimea Arbor.* 3(2):8-12. Tentative list of 31 'endangered', 17 'rare' and 6 'depleted' taxa.
- 8048 Woolliams, K.R. (1978). Observations on the flora of the Ogasawara Islands. *Notes Waimea Arbor.* 5(2):2-10. Data on 18 mostly threatened plant species.
- 8049 Brownlie, G. (1961). Studies on Pacific ferns, 4. The pteridophyte flora of Pitcairn Island. *Pacific Science* 15(2):297-300.
- 8050 St. John, H. & Philipson, W.R. (1962). An account of the flora of Henderson Island. *South Pacific Ocean. Trans. R. Soc. N.Z. Bot.* 1(14):175-194.
- 8051 Cheng, Wen-Chun. (1980). *Sylva Sinica*. Flora of Woody Plants in China Committee. 929 pp. Vol. 1 (in Chinese).
- 8058 U.S. Department of the Interior. Fish and Wildlife Service. (1985). Review of plant taxa for listing as endangered or threatened species: notice of review. *Federal Register* 50(188):39526-39584.
- 8177 Given, D.R. (1975). Conservation of rare and threatened plant taxa in New Zealand - some principles. *Proc. New Zealand Ecol. Soc.* 22:1-6. Map. Includes remarks on Philip Island.
- 8243 Wang, H. (1986). Letter to S. Stuart. Lists five threatened Chinese plants.
- 8260 Ng, F. (1984). Portraits of threatened plants, 6. *Musa gracilis* Holttum. *Malay. Naturalist* 38(1):9-10. Illus.
- 8309 Comber, J.B. (1990). Checklist of Javan Orchidaceae. Unpublished list.
- 8316 Cheek, M. (1986). Annotations to: List of *Nepenthes*.
- 8318 Sutter, H. (1986). Annotations to: List of plants in the WCMC database for Burma. Includes annotations to list of plants protected in Burma by the 1902 Burma Forest Act as amended to date.
- 8321 Blower, J. (1985). Conservation priorities in Burma. *Oryx* 19(2):79-85.
- 8322 Dray, A.M. (1985). *Plantas a proteger em Portugal continental*. [Protected plants in Portugal]. Serviço Nacional de Parques, Reservas e Conservação da Natureza, Lisboa. 56 pp.
- 8328 Degener, O. & I. (1932). *Flora Hawaiiensis or the new Flora of the Hawaiian Islands*. Honolulu, J. Pan-Pacific Research Institute. 7 loose-leaf fascicles.
- 8477 Maynard, A.C. (1986). Letter to H. Syngé. Gives distributions of 2 conifers.
- 8482 Wang, S.Y. (1986). List of threatened plants of China. 18 pp. List with IUCN categories; endemism not given.
- 8485 Croat, T.B. (1984). Rediscovery of a rare monstera (*Monstera gracilis*). *Aroideana* 7(1):12-13. Illus.
- 8489 Purdie, A.W. (1985). *Chordospartium muritai* (Papilionaceae) - a rare new species of New Zealand tree broom. *New Zealand J. Bot.* 23:157-161. Illus., map.
- 8552 Nicholls, W.H. (1950). Additions to the Orchidaceae of Australia - 3. (Two new species of *Pterostylis* in Victoria). *Victorian Naturalist* 67:45-48. Illus.
- 8560 Henderson, R.J.F. (1969). *Podolepis monticola*, a new species of Compositae from Queensland. *Contrib. Queensland Herbarium* no. 2:1-9. Illus.
- 8615 Fosberg, F.R. & Sachet, M.-H. (1981). Polynesian plant studies 6-18. *Smithsonian Contributions* 47:1-38.
- 8616 St. John, H. & Philipson, W.R. (1960). List of the flora of Oeno Atoll, Tuamotu Archipelago, south-central Pacific Ocean. *Trans. R. Soc. N.Z.* 88(3):401-403.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 8617 Fosberg, F.R. (1937).** Some Rubiaceae of southeastern Polynesia. *Occ. Papers Bernice P. Bishop Mus.* 13(19):245-293.
- 8619 Davis, P.H. (1965-1985).** Flora of Turkey and the East Aegean Islands. 9 vols. Edinburgh: Edinburgh University Press. Illus., maps.
- 8622 Iwatsuki, K. (1986).** List of endemics to the Bonin and Volcano Islands.
- 8623 Pignatti, S. (1982).** Flora d'Italia. Bologna: Edagricole. 3 vols.
- 8679 Roosmalen, M.G.M. van. (1985).** Fruits of the Guianan flora. Wageningen: Institute of Systematic Botany, Utrecht and Silvicultural Dept of Wageningen Agricultural University.
- 8743 Johnson, D.V., Read, R.W., & Balick, M.J. (1986).** Economic botany and threatened species of the palm family in Latin America and the Caribbean. Part 2. The status of threatened species of the palm family in Latin America and the Caribbean. Mimeo. 30 September 1986. (unpublished). Final report on WWF 3322. Includes Appendix 2, on palms of Atlantic forest. Appendix 1, by H. Balslev on Ecuador, is a separate entry.
- 8745 Clements, M.A. (1982).** Preliminary checklist of Australian Orchidaceae. Canberra: National Botanic Gardens. Lists over 600 taxa.
- 8751 Ohwi, J. (1965).** Flora of Japan (in English). Washington, DC: Smithsonian Institution. 1067 pp. En.
- 8754 Nasir, E. & Ali, S.I. (1970).** Flora of West Pakistan. Islamabad: Pakistan Agricultural Research Council. Continued as Flora of Pakistan. 1980. 57 fascicles so far.
- 8757 Hillcoat, D., Lewis, G., & Verdcourt, B. (1986).** A new species of *Ceratonia* (Leguminosae - Caesalpinioideae) from Arabia and the Somali Republic. *Kew Bull.* 35(2):261-271. Taxon published in the IUCN Plant Red Data Book as *Ceratonia* sp.nov.
- 8764 Cadet, Th. (1984).** Liste et commentaires sur les plantes en danger des Mascareignes. [An annotated list of plants in danger]. Paris. Mimeo: Conservatoire et Jardins Botaniques de Nancy. 20 pp. Includes notes on local uses.
- 8765 Read, R.W. (1975).** The genus *Thrinax* (Palmae: Coryphoideae). *Smithsonian Contrib. Bot.* 19:1-98.
- 8766 Correll, D.S. & Correll, H.B. (1982).** Flora of the Bahama Archipelago. Vaduz, Liechtenstein: Cramer. 1692 pp. Includes the Turks and Caicos Islands.
- 8767 Howard, R.A. (ed.). (1974).** Flora of the Lesser Antilles: Leeward and Windward Islands. Jamaica Plain, Mass., Arnold Arboretum. 6 vols, 1974-1989.
- 8777 Granville, J.J. de. (1980).** Returned Questionnaire: Palms of French Guiana.
- 8778 Moore, H.E. (1980).** Returned Questionnaire: Palms of Mexico.
- 8793 Dransfield, J. (1979).** Lists and comments on palms, made in 1979. Some written on card index.
- 8794 Dransfield, J. (1978).** Lists and comments on palms, made in 1978. Some written on card index.
- 8801 Gentry, A.H. (1986).** Notes on Peruvian palms. *Ann. Missouri Bot. Gard.* 73(1):158-165. Describes 3 new species, makes 3 new combinations and reports 1 new record for Peru.
- 8836 Schenk, J.R. (1984).** A conservation strategy for forest utilization in Solomon Islands. Solomon Islands, Physical Planning Division. 62p. Illus., maps, forest.
- 8840 Fosberg, F.R. (1973).** On present condition and conservation of forests in Micronesia. *In* Pac. Sci. Assoc. Standing Comm. on Pac. Bot. Symposium: Planned utilization of the lowland tropical forests, August 1971. Bogor, Indonesia.
- 8895 Zohary, M. et al. (1966).** Flora Palaestina. Jerusalem, Israel Academy of Sciences. 3 vols so far.
- 8896 Shmida, A. (1986).** Letter to Steve Davis. Notes on threatened plants of Israel.
- 8897 Mouterde, P. (1966).** Nouvelle Flore du Liban et de la Syrie. Beirut, Dar El-Machreq. 3 vols so far.
- 8899 Boulou, L. & Al-Eisawi, D. (1978).** Returned List: Initial returns for Jordan.
- 8904 Glassman, S.F. (1979).** Re-evaluation of the genus *Butia* with a description of a new species. *Principes* 23(2):65-79. New species is *Butia purpurascens*.
- 8934 Avishai, M. (1980).** A list of onocyclus *Iris* from the Middle East proposed for inclusion in the threatened plants survey. Includes notes on distribution.
- 8937 Al-Eisawi, D.M. (1982).** List of Jordan vascular plants. Amman. 152 pp. Mimeo.
- 8941 Phillipps, A. (1987).** Letter to Steve Davis. Includes a list of threatened taxa with IUCN categories.
- 9001 Breedlove, D.E. (ed.). (1981).** Flora of Chiapas. California Academy of Sciences. 2 vols so far.
- 9002 Wiggins, I.L. (1980).** Flora of Baja California. Stanford: Stanford University Press. 1025 pp.
- 9003 Smith, A.R. (1980).** New taxa and combinations of Pteridophytes from Chiapas, Mexico. *Amer. Fern. J.* 70(1):15-27.
- 9004 Standley, P.C., Steyermark, J.A., & Williams, L.O. (1946).** Flora of Guatemala. *Fieldiana Bot.* 24. Illus. 13 parts. Complete, 1946-1978.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 9006 Woodson, R.E. et al. (1943). Flora of Panama. *Ann. Missouri Bot. Gard.* 30-67. Complete, 1980. (Acanthaceae). *Flora Neotropica*, Monograph 34. 116 pp.
- 9009 Stolze, R.G. (1976). Ferns and fern allies of Guatemala. *Fieldiana Bot.* 39:1-130.
- 9012 Seymour, F.C. (1975). *Polypodium* in Nicaragua. *Phytologia* 31(2):129-192.
- 9015 Sosa, V. (ed.). (1978). Flora of Veracruz. Instituto de Investigaciones sobre Recursos Bióticos. 73 families so far.
- 9016 Smith, A.R. (1971). Systematics of the neotropical species of *Thelypteris*, Section *Cyclosorus*. *Univ. Calif. Publ. Bot.* 59:1-143.
- 9017 Gómez, L.D. (1978). *Thelypteris oroniensis*, a new genus from Costa Rica. *Amer. Fern J.* 68(1):9-10.
- 9018 Zanoni, T.A. & Adams, R.P. (1979). The genus *Juniperus* (Cupressaceae) in Mexico and Guatemala: synonymy, key and distributions of the taxa. *Bol. Soc. Bot. Mex.* 38:83-121. Maps, illus.
- 9019 Vovides, A.P. (1981). Lista preliminar de plantas Mexicanas raras o en peligro de extinción. [Preliminary list of 210 rare, threatened and endangered Mexican plant species]. *Biotica* 6(2):219-228. Sp (En).
- 9020 DeLuca, P., Sabato, S., & Vázquez Torres, M. (1984). *Dioon tomasellii* (Zamiaceae), a new species with two varieties from western Mexico. *Brittonia* 36(3):223-227.
- 9021 Robert, M.-F. (1978). Un nouveau pin pignon mexicain: *Pinus johannis*. *Adansonia* (sér. 2) 18(3):365-373.
- 9025 Gómez, L.D. (1984). Plantae Mesoamericanae novae. VI. *Phytologia* 52(3):153-156.
- 9026 Gómez, L.D. (1983). Plantae Mesoamericanae novae. VIII. *Phytologia* 53(2):97-101.
- 9027 Perez de La Rosa, J.A. (1985). Una nueva especie de *Juniperus* de Mexico. *Phytologia* 57(2):81-86.
- 9034 Palmer, T.C. (1933). Shorter notes. *Amer. Fern J.* 22:36.
- 9035 Leonard, E.C. (1950). Five new species of Acanthaceae from Honduras. *Ceiba* 1:103-115.
- 9036 Wasshausen, D.C. (1975). The genus *Aphelandra* (Acanthaceae). *Smithsonian Contrib. Bot.* 18:1-157.
- 9037 Standley, P.C. (1937-1939). Flora of Costa Rica. *Field Mus. Nat. Hist., Bot. Ser.* 18(1-4):1-1616. Map. Complete.
- 9038 Daniel, T.F. (1983). *Carlowrightia* (Acanthaceae). *Flora Neotropica*, Monograph 34. 116 pp.
- 9039 Molina, A. (1965). Nuevas fanerógamas de América Central. *Ceiba* 11(1):65-71.
- 9040 Leonard, E.C. (1959). A new genus of Acanthaceae from Mexico. *Wrightia* 2(1):1-3.
- 9041 Daniel, T.F. (1980). The genus *Justicia* (Acanthaceae) in the Chihuahuan Desert. *Contr. Univ. Mich. Herb.* 14:61-67.
- 9042 Daniel, T.F. (1978). A new *Mirandea* (Acanthaceae) from Nuevo Leon, Mexico. *Syst. Bot.* 3(4):428-433.
- 9043 Daniel, T.F. (1981). *Mexacanthus*, a new genus of Acanthaceae from western Mexico. *Syst. Bot.* 6(3):288-293.
- 9044 McDade, L.A. (1982). New species of *Justicia* and *Razisea* (Acanthaceae) from Costa Rica, with taxonomic notes. *Syst. Bot.* 7(4):489-497.
- 9045 Daniel, T.F. (1982). *Anisacanthus andersonii* (Acanthaceae), a new species from northwestern Mexico. *Bull. Torrey Bot. Club* 109(2):148-151.
- 9046 Daniel, T.F. (1984). New and reconsidered Mexican Acanthaceae. *Madroño* 31(2):86-92.
- 9048 Daniel, T.F. (1983). Systematics of *Holographis* (Acanthaceae). *J. Arnold Arboretum* 64:129-160.
- 9049 Leonard, E.C. (1960). A new *Stenandrium* from the state of Durango, Mexico. *Wrightia* 2(2):83-85.
- 9050 Daniel, T.F. (1984). A revision of *Stenandrium* (Acanthaceae) in Mexico and adjacent regions. *Ann. Missouri Bot. Gard.* 71:1028-1043.
- 9052 Wasshausen, D.C. (1981). New species of *Justicia* (Acanthaceae). *Phytologia* 49(1):65-68.
- 9053 Wasshausen, D.C. (1973). New species of *Aphelandra* (Acanthaceae). *Phytologia* 25(7):465-502.
- 9054 Matuda, E. (1972). Plantas nuevas de Mexico. *An. Inst. Biol. Univ. Nat. Auton. Mexico* 43(1):51-62.
- 9055 Piña, I. (1980). Rare and threatened Agavaceae and Cactaceae of Mexico. Sociedad Mexicana Cactología.
- 9057 Gómez-Pompa, A. & Valdés-Reyna, J. (1962). Una especie epífita de *Yucca* de la selva lacandona. *Bol. Soc. Bot. Méx.* 27:43-46.
- 9058 Miranda, F. (1961). Plantas nuevas del sur de México. *Bol. Soc. Bot. Méx.* 26:120-132.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 9061 Standley, P.C. & Williams, L.O. (1952). Ocho géneros de árboles y arbustos nuevos para Centro América. *Ceiba* 3:24-35.
- 9063 Fryxell, P.A. (1977). New species of Malvaceae from Mexico and Brazil. *Phytologia* 37(4):285-316.
- 9064 Lundell, C.L. (1976). Studies of American plants. XII. *Wrightia* 5(7):241-259.
- 9065 Lundell, C.L. (1970). Studies of American plants. II. *Wrightia* 4(4):129-152.
- 9070 Dressler, R.L. (1978). Two noteworthy ornamentals from the Caribbean coast of Panama. *Selbyana* 2(2.3):300-302.
- 9071 Madison, M. (1978). The species of *Anthurium* with palmately divided leaves. *Selbyana* 2(2.3):239-282.
- 9075 Standley, P.C. & Williams, L.O. (1951). Plantae Centrali-Americanae. II. *Ceiba* 1:231-255.
- 9077 Barringer, K.A. (1984). A new species of *Guatteria* (Annonaceae) from Panama. *Ann. Missouri Bot. Gard.* 71(4):1186-1187.
- 9078 Croat, T.B. (1983). A revision of the genus *Anthurium* (Araceae) of Mexico and Central America. Part I. Mexico and Middle America. *Ann. Missouri Bot. Gard.* 70(2):211-420.
- 9079 Gentry, H.S. (1960). A new *Agave* from Oaxaca. *Brittonia* 12:98-100.
- 9084 Williams, L.O. (1970). Tropical American plants, XI. *Fieldiana Bot.* 32(12):179-206.
- 9089 Gentry, A.H. (1980). Bignoniaceae Part I. (Crescentieae and Tourrettieae). *Flora Neotropica*, Monograph 25. 131 pp.
- 9090 Fryxell, P.A. (1969). The genus *Hampea* (Malvaceae). *Brittonia* 21:359-396.
- 9092 Robyns, A. (1967). Bombacaceae Neotropicae Novae I. New species of *Chorisia* and *Quararibea*. *Ann. Missouri Bot. Gard.* 54:184-186.
- 9094 Higgins, L.C. (1976). Two new species from the Chihuahuan Desert. *Phytologia* 33(6):411-413.
- 9096 Gentry, A.H. (1977). New species of *Gibsoniothamnus* (Scrophulariaceae / Bignoniaceae) and *Tournefortia* (Boraginaceae) from eastern Panama and the Chocó. *Ann. Missouri Bot. Gard.* 64:133-135.
- 9097 Smith, L.B. & Downs, R.J. (1977). Pitcairnioideae, Tillandsioideae, Bromelioideae (Bromeliaceae). *Flora Neotropica*, Monograph 14(1-3).
- 9098 Hazlett, D.L. (1979). Árboles maderables y otros árboles desconocidos de la Cordillera Nombre de Dios. *Ceiba* 23(2):76-84.
- 9099 Williams, L.O. (1968). Tropical American plants, X. *Fieldiana Bot.* 32(4):35-61.
- 9105 Barringer, K.A. (1983). Notes of Central American Aristolochiaceae. *Brittonia* 35(2):171-174.
- 9110 Stevens, W.D. (1983). New species and names in Apocynaceae. Asclepiadoidea. *Phytologia* 53(6):401-405.
- 9111 Baker, R.A. & Burger, W.C. (1976). Key and commentary on the species of *Spathiphyllum* (Araceae) in Costa Rica, including *S. silvicola*, sp. nov. *Phytologia* 33(7):447-454.
- 9114 Vovides, A.P. (1986). Relación de plantas Mexicanas raras o en peligro de extinción. 7 pp. Veracruz: INIREB.
- 9139 Rathakrishnan, N.C. (1983). Rare and little-known orchids from the erstwhile Presidency of Madras. *Bull. Bot. Surv. India* 23(3-4):237-239. (1981 publ. 1983).
- 9147 Whistler, W.A. (1986). A revision of *Psychotria* (Rubiaceae) in Samoa. *J. Arnold Arboretum* 67:341-370.
- 9148 Quero, H.J. & Read, R.W. (1986). A revision of the palm genus *Gaussia*. *Syst. Bot.* 11(1):145-154.
- 9149 Moore, H.E. (1980). Two new species of *Geonoma* (Palmae). *Gentes Herbarum* 12(1):25-29.
- 9150 Moore, H.E. (1980). Four new species of Palmae from South America. *Gentes Herbarum* 12(1):30-38.
- 9155 Lan, K.M. (1984). A new variety of *Amentotaxus argotaenia*. *Acta Phytotaxonomica Sinica* 22(6):492. Ch. Illus.
- 9157 Chen, S.C. & Tsi, Z.H. (1984). *Paphiopedilum malipoense* sp. nov. - an intermediate form between *Paphiopedilum* and *Cypripedium* with a discussion on the origin of the genus. *Acta Phytotaxonomica Sinica* 22(2):119-124. Ch (En).
- 9159 Melville, R. & Heybroek, H.M. (1971). The elms of the Himalaya. *Kew Bull.* 26(1):5-28. Illus., maps.
- 9204 Humphries, C.J. (1977). A new genus of the Compositae from North Africa. *Bot. Notiser* 130:155-161.
- 9216 Mohanan, M., Henry, A.N., & Nair, N.C. (1982). Notes on three rare and interesting orchids collected

Data sources for The 1997 IUCN Red List of Threatened Plants

- from Trivandrum District, Kerala. *J. Bombay Nat. Hist. Soc.* 79(1):234-236.
- 9228 **Rathakrishnan, N.C. & Saran, R. (1983).** Notes on rare plants from Madhya Pradesh. *J. Bombay Nat. Hist. Soc.* 80(3):665-667. Nine taxa of flowering plants.
- 9244 **Muñiz, O. & Borhidi, A. (1982).** Catálogo de las palmas de Cuba. *Acta Botanica Academiae Scientiarum Hungaricae* 28(3-4):309-334.
- 9248 **Mudgal, V. & Jain, S.K. (1982).** *Coptis teeta* Wall. - local uses, distribution and cultivation. *Bull. Bot. Surv. India* 22:179-180. Illus. Medicinal.
- 9249 **Joseph, J., Abbareddy, N.R., & Haridasan, K. (eds.). (1982).** *Gastrodia exilis* Hook., a rare and interesting orchid from Khasi and Jaintia Hills, Meghalaya. *Bull. Bot. Surv. India* 22:203-205. Illus., map. (1980 publ. 1982).
- 9250 **Mohanan, M. & Henry, A.N. (1982).** Rediscovery of three rare and endemic plants of India. *Bull. Bot. Surv. India* 22:236-237. (1980 publ. 1982).
- 9272 **Holtum, R.E. (1964).** A revised Flora of Malaya. Singapore: Gov't Printer. 3 vols. Vol. 1 - Orchids of Malaya; Vol. 2 - Ferns of Malaya; Vol. 3 - Grasses of Malaya, by H.B. Gilliland.
- 9280 **Parris, B.S. (1986).** Grammitidaceae of Peninsular Malaysia and Singapore. *Kew Bulletin* 41(3):491-517.
- 9282 **Holtum, R.E. (1986).** A new tree-fern in northern Queensland. *Kew Bulletin* 41(3):532.
- 9283 **Jermy, A.C. (1986).** Two new *Selaginella* species from Gunung Mulu National Park, Sarawak. *Kew Bulletin* 41(3):547-559. Illus.
- 9315 **Mohanan, M., Henry, A.N., & Nair, N.C. (1982).** Some rare and fast disappearing plants discovered in Trivandrum District, Kerala. *Bull. Bot. Surv. India* 22(1-4):105-108. (1980 publ. 1982).
- 9326 **Cribb, P.J. (1983).** A revision of *Dendrobium* sect. *Latouria* (Orchidaceae). *Kew Bulletin* 38(2):229-306. Illus., col. illus., maps.
- 9327 **Chandrabose, M. & Srinivasan, S.R. (1981).** Notes on two rare and interesting plants from S. India. *J. Bombay Nat. Hist. Soc.* 78(3):630.
- 9330 **Henry, A.N. & Swaminathan, M.S. (1983).** Rare or new *Exacum* L. (Gentianaceae) from southern India. *J. Bombay Nat. Hist. Soc.* 80(2):456-459. Illus.
- 9336 **Vajravelu, E. & Bhargavan, P. (1982).** Notes on some rare plants from south India. *J. Econ. Tax. Bot.* 3(3):969-973. Illus.
- 9389 **Lawesson, J.E. (1986).** Report on the most threatened endemic plants in Galapagos. Santa Cruz, Charles Darwin Research Station. 10pp Annotated list; maps.
- 9402 **Bogner, J. (1984).** On *Hapaline appendiculata* and *Phymatarum borneense*, two rare Araceae from Borneo. *Plant Systematics and Evolution* 144:59-66. Illus.
- 9416 **Hegde, S.N. & Rao, A.N. (1983).** Further contributions to the orchid flora of Arunachal Pradesh - 1. *J. Econ. Tax. Bot.* 4(2):383-392. Annotated list of 30 species, of which 3 are new species. 3 new records for India and 3 new records for N.E. Himalayas. 18 species are noted as rare and/or endangered.
- 9417 **Burger, W.C. (ed.). (1971).** Flora Costaricensis. *Fieldiana Bot.* 35 & 40. Continued in *Fieldiana Bot., New Series* 4, 13, 18, 28, 33, 35, 36.
- 9420 **Durkee, L. (1981).** Annotations to: List of threatened plants of Middle America.
- 9422 **Halbinger, F. (1975).** *Barkeria shoemakeri*, a new orchid from the state of Michoacan. *Orquidea (Méx.)* 4(10):296-297.
- 9423 **Williams, L.O. (1951).** The Orchidaceae of Mexico. *Ceiba* 2(1):1-321.
- 9424 **Dodson, C.H. (1974).** *Dressleria* and *Clowesia*: a new genus and an old one revived in the Catasetinae (Orchidaceae). *Selbyana* 1(2):130-137.
- 9425 **Vovides, A.P. (1982).** Annotations to: List of threatened plants of Mexico.
- 9426 **Gómez, L.D. (1982).** Annotations to: List of threatened plants of Middle America.
- 9429 **Maas, P.J.M. (1981).** Annotations to: List of threatened plants of Middle America.
- 9432 **Rauh, W. (1984).** *Tillandsia ehlersiana*: a remarkable new species from Chiapas, Mexico. *J. Bromeliad Soc.* 34(4):166-169.
- 9443 **Rodas, J. & Aguilar, J. (1980).** Lista de algunas especies vegetales en via en extinción. INAFOR, Guatemala City, Guatemala. 3p. (unpublished).
- 9444 **Witsberger, D. (1980).** Tree species of El Salvador and their conservation status. 31 pp. (unpublished list).
- 9446 **Ferreya, R. (1977).** Endangered species and plant communities in Andean and coastal Peru. In Prance, G.T., Elias, T. (Eds.). *Extinction is forever*. Bronx, New York: New York Botanical Garden. 150-157 pp. Graphs. Vegetation regions and associated endangered plants.
- 9482 **Grayum, M.H. (1986).** New taxa of *Caladium*, *Chlorospatha*, and *Xanthosoma* (Araceae: Colocasioideae) from southern Central America and northwestern Colombia.



Data sources for The 1997 IUCN Red List of Threatened Plants

- Ann. Missouri Bot. Gard.* 73(2):462-474.
- 9484 **Kress, W.J. (1986).** New heliconias (Heliconiaceae) from Panama. *Selbyana* 9:156-166.
- 9488 **Lott, E.J., Jaramillo, V., & Rzedowski, J. (1984).** Un género nuevo de la parte meridional de México: *Gypsacanthus* (Acanthaceae, Justiceae, Odontoneminae). *Bol. Soc. Bot. Méx.* 46:47-51.
- 9490 **Pohl, R. (1986).** A new *Papsalum* (Poaceae) from Mesoamerica. *Ann. Missouri Bot. Gard.* 73:501.
- 9518 **Prance, G.T. (1972).** Chrysobalanaceae. Supplement to Chrysobalanaceae. *Flora Neotropica*, Monograph 9 (supplement). 406 pp.
- 9522 **King, R.M. & Robinson, H. (1974).** Studies in the Eupatorieae (Asteraceae). CXXVIII. Four additions to the genus *Ageratina* from Mexico and Central America. *Phytologia* 28(5):491-493.
- 9524 **Turner, B.L. (1985).** *Ageratina gonzalezorum* (Asteraceae - Eupatorieae), a new species from Durango, Mexico. *Phytologia* 58(7):498.
- 9529 **Williams, L.O. (1964).** Tropical American plants. VI. *Fieldiana Bot.* 31(2):17-48.
- 9532 **McVaugh, R. (1972).** Nomenclatural and taxonomic notes on Mexican Compositae. *Rhodora* 54:495-516.
- 9550 **Paray, L. (1958).** Nuevas compuestas de México. *Bol. Soc. Bot. Méx.* 22:1-12.
- 9553 **Sorensen, P.D. (1969).** A revision of the genus *Dahlia* (Compositae), Heliantheae - Coreopsidinae. *Rhodora* 71:309-416.
- 9554 **Pippen, R.W. (1968).** Mexican "Cacalioid" genera allied to *Senecio* (Compositae). *Contrib. U.S. Nat. Herb.* 34(6):365-447.
- 9567 **Turner, B.L. (1975).** Taxonomy of *Haploesthes* (Asteraceae - Senecioneae). *Wrightia* 5(5):108-115.
- 9571 **Torres, A.M. (1968).** Revision of *Jaegeria* (Compositae - Heliantheae). *Brittonia* 20:52-73.
- 9581 **Rzedowski, J. (1970).** Estudio sistemático del género *Microspermum* (Compositae). *Bol. Soc. Bot. Méx.* 31:49-108.
- 9582 **Rzedowski, J. (1972).** Dos especies nuevas del género *Microspermum* (Compositae) del estado de Jalisco (México). *Bol. Soc. Bot. Méx.* 32:77-86.
- 9586 **Dillon, M.O. & D'Arcy, W.G. (1978).** New and noteworthy Asteraceae from Panama. *Ann. Missouri Bot. Gard.* 65:764-765.
- 9593 **Gómez, L.D. (1985).** Annotations to: List of threatened plants of Middle America.
- 9595 **King, R.M. (1965).** *Piqueriopsis*, a new genus of Compositae from southwestern Mexico. *Brittonia* 17:352-353.
- 9604 **Robinson, H. (1976).** Three new Asteraceae from Guerrero, Mexico. *Phytologia* 33(5):285-292.
- 9613 **Grashoff, J.L. (1974).** Novelties in *Stevia* (Compositae: Eupatorieae). *Brittonia* 26:347-384.
- 9615 **Turner, B.L. (1972).** *Strotheria* (Compositae - Tageteae) a new monotypic genus from north-central Mexico. *Am. J. Bot.* 59:180-182.
- 9618 **Cronquist, A. (1965).** Studies in Mexican Compositae. I. Miscellaneous new species. *Memoirs of the New York Botanical Garden* 12(3):286-292.
- 9627 **Torres, A.M. (1963).** Taxonomy of *Zinnia*. *Brittonia* 15:1-25.
- 9628 **Funk, V.A. (1982).** The systematics of *Montanoa* (Asteraceae, Heliantheae). *Memoirs of the New York Botanical Garden* 36:1-133.
- 9640 **Cuatrecasas, J. (1982).** Miscellaneous notes on Neotropical Flora. XV. New taxa in the Asteraceae. *Phytologia* 52(3):166-177.
- 9641 **Cuatrecasas, J. (1982).** Studies in Neotropical Senecioneae III. New taxa in *Senecio*, *Pentacalia*, and *Gynoxys*. *Phytologia* 52(3):159-166.
- 9649 **Nelson, C. (1984).** Una *Ocotea* (Lauraceae), una *Salvia* (Labiatae) y una *Eupatorium* (Compositae) nuevos de Honduras. *Ceiba* 25(2):173-176.
- 9651 **Powell, A.M. & Turner, B.L. (1976).** New gypsophilous species of *Pseudocappia* and *Sarrvelliia* (Asteraceae) from west Texas and eastern Chihuahua. *Sida* 6(4):317-320.
- 9657 **Myint, T. & Ward, D.B. (1968).** A taxonomic revision of the genus *Bonamia* (Convolvulaceae). *Phytologia* 17:121-239.
- 9658 **Austin, D. (1981).** Annotations to: List of threatened plants of Middle America.
- 9659 **McPherson, G.D. (1980).** Eight new species of *Ipomoea* and *Quamoelit* from Mexico. *Contrib. Univ. Mich. Herb.* 14:85-97.
- 9660 **Maas, P.J.M. (1972).** Costoideae (Zingiberaceae). *Flora Neotropica*, Monograph 8. 148 pp.
- 9661 **Calderón de Rzedowski, G. (1974).** Adiciones a la flora fanerogámica del Valle de México. II. *Bol. Soc. Bot. Méx.* 33:47-67.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 9662 Hunt, D.R. (1985). Annotations to: List of threatened plants of Middle America. *Arctostaphylos. Madroño* 21:268-272.
- 9663 Calderón de Rzedowski, G. (1970). Hallazgo de una especie nueva de *Draba* (Cruciferae) en el Valle de México. *Bol. Soc. Bot. Méx.* 31:109-112.
- 9664 Rollins, R.C. (1976). Studies on Mexican Cruciferae. *Contrib. Gray Herb.* 206:3-18.
- 9665 Calderón de Rzedowski, G. (1977). *Mancoa rollinsiana*, una especie nueva de Cruciferas encontrada en el Valle de México. *Phytologia* 36(4):269-273.
- 9666 Rollins, R.C. (1981). Annotations to: List of threatened plants of Middle America.
- 9667 Rollins, R.C. (1969). A remarkable new crucifer from Mexico. *Contrib. Gray Herb.* 198:1-8.
- 9668 Rollins, R.C. (1980). The genus *Pennellia* (Cruciferae) in North America. *Contrib. Gray Herb.* 210:5-21.
- 9669 Dieterle, J.V.A. (1974). A new geocarpic genus from Mexico: *Apatzingania* (Cucurbitaceae). *Brittonia* 26:120-132.
- 9670 Dieterle, J.V.A. (1980). Two new Cucurbitaceae from Mexico. *Contr. Univ. Mich. Herb.* 14:69-73.
- 9672 Harling, R. (1985). Annotations to: List of threatened plants of Middle America.
- 9674 Hermann, F.J. (1974). Manual of the genus *Carex* in Mexico and Central America. Washington, DC: U.S. Forest Service. 219 pp.
- 9676 Prance, G.T. (1977). Two new species for the Flora of Panama. *Brittonia* 29:154-158.
- 9677 Prance, G.T. (1976). *Tapura* (Dichapetalaceae) a genus new to Mexico. *Bull. Torrey Bot. Club* 103:21-22.
- 9678 Williams, L.O. (1961). Tropical American plants, II. *Fieldiana Bot.* 29(6):345-372.
- 9679 Kubitzki, K. (1981). Annotations to: List of threatened plants of Middle America.
- 9681 Carnegie Institution of Washington. (1936). Botany of the Maya Area. Washington, D.C. 802p.
- 9682 White, F. (1981). Annotations to: List of threatened plants of Middle America.
- 9683 McVaugh, R. & Rosatti, T.J. (1978). A new species of *Arbutus* (Ericaceae) from western Mexico. *Contr. Univ. Mich. Herb.* 11(5):301-304.
- 9684 Wells, P.V. (1972). The manzanitas of Baja California, including a new species of *Arctostaphylos. Madroño* 21:268-272.
- 9685 Luteyn, J.L. (1982). Ericaceae - Part 1. *Cavendishia. Flora Neotropica.* Monograph 35. 290 pp.
- 9686 Luteyn, J.L. (1976). Notes on neotropical Vacciniaceae (Ericaceae). I. *Gonocalyx* - a genus new to Central America. *Brittonia* 28(1):37-41.
- 9687 Williams, L.O. (1965). Tropical American plants, VII. *Fieldiana Bot.* 31(6):167-221.
- 9688 Luteyn, J.L. & Wilbur, R.L. (1977). New genera and species of Ericaceae (Vacciniaceae) from Costa Rica and Panama. *Brittonia* 29:255-276.
- 9690 Williams, L.O. (1967). Tropical American plants, VIII. *Fieldiana Bot.* 31(10):249-269.
- 9692 McVaugh, R. (1961). Euphorbiaceae Novo-Galiciana. *Brittonia* 13:145-205.
- 9695 Molina, A. (1951). Nuevas especies de plantas de la República de Honduras. *Ceiba* 1:255-263.
- 9700 Huft, M.J. (1982). Annotations to: List of threatened plants of Middle America.
- 9702 Rogers, D.J. & Appan, S.G. (1973). *Manihot. Manihotoioides* (Euphorbiaceae) in Flora Neotropica. Monograph 13. 272 pp.
- 9703 Webster, G. (1981). Annotations to: List of threatened plants of Middle America.
- 9704 Webster, G. (1967). A remarkable new *Phyllanthus* (Euphorbiaceae) from Central America. *Ann. Missouri Bot. Gard.* 54:194-196.
- 9706 McVaugh, R. (1974). Flora Novo-Galiciana. Ann Arbor, Michigan: University of Michigan Press.
- 9707 Martínez, M. (1974). Los enciños de México. *An. Inst. Biol. Univ. Nal. Autón. México Ser. Botánica* 45(1):21-56.
- 9708 Muller, C.H. (1979). *Quercus deliquescens*, a new species from Chihuahua, Mexico. *Phytologia* 42(2):289-291.
- 9709 Sleumer, H.O. (1980). Flacourtiaceae. *Flora Neotropica*, Monograph 22. 499 pp.
- 9710 González-Medrano, F. (1972). Una nueva Frankeniaceae del norte de México. *Bol. Soc. Bot. Méx.* 32:71-76.
- 9715 Pringle, J.S. (1977). Taxonomy and distribution of *Gentiana* (Gentianaceae) in Mexico and Central America. *Sida* 7:174-218.
- 9718 Wiehler, H. (1978). Miscellaneous transfers and new species of neotropical Gesneriaceae. *Selbyana* 5(1):61-93.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 9719 Skog, L. (1982). Annotations to: List of threatened plants of Middle America. notes on American Labiatae. X. *Brittonia* 20:295-313.
- 9721 Wiehler, H. (1978). The genera *Episcia*, *Alsobia*, *Nautilocalyx*, and *Paradrymonia* (Gesneriaceae). *Selbyana* 5(1):1-60.
- 9722 Beetle, A.A. (1977). Noteworthy grasses from Mexico. V. *Phytologia* 37(4):317-407.
- 9726 Seymour, F.C. (1975). *Panicum* in Nicaragua. *Phytologia* 32(1):1-30.
- 9727 Pohl, R. (1981). Annotations to: List of threatened plants of Middle America.
- 9730 Nelson, C. (1981). Annotations to: List of threatened plants of Middle America.
- 9732 Breedlove, D.E. & McClintock, E. (1976). *Thornea* (Hypericaceae), a new genus from Mexico and Guatemala. *Madroño* 23:368-373.
- 9733 Molseed, E. (1968). *Fosteria*, a new genus of Mexican Iridaceae. *Brittonia* 20:232-234.
- 9736 Cruden, R.W. (1968). Three new species of *Tigridia* (Iridaceae) from Mexico. *Brittonia* 20:314-320.
- 9738 Manning, W.E. (1957). The genus *Juglans* in Mexico and Central America. *J. Arnold Arbor.* 38:121-150.
- 9742 Lavin, M. & Sousa, M. (1987). The Madrensis group of *Coursetia* (Leguminosae: Robinieae). *Syst. Bot.* 12(1):106-115.
- 9745 Fowlie, J.A. (1987). A contribution to a monographic revision of the genus *Saphronitis* Lindl. *Orchid Digest* 51(1):15-34.
- 9749 Villaseñor, J.L. (1986). A new species of the Mexican genus *Arnicastrum* Greenm. (Asteraceae: Heliantheae). *Syst. Bot.* 11(2):277-279.
- 9751 Warnock, M.J. (1987). Synopsis of *Delphinium* (Ranunculaceae) in continental Mexico. *Rhodora* 89(857):47-74.
- 9772 Palmberg, C. (1987). Conservation of genetic resources of woody species. 16 pp. Rome: FAO. Paper prepared for Simposio Sobre Silvicultura y Mejoramiento Geneti co. Cief. Buenos Aires, 6-10 April 1987. Includes lists of commercially exploited timber trees.
- 9774 Borhidi, A. (1987). Letter to V.H. Heywood, 25 February 1987, and annotations to CMC printout of Cuban palms. TPU printout dated 2 February 1987.
- 9775 La Frankie, J.V. (1986). Morphology and taxonomy of the New World species of *Maianthemum* (Liliaceae). *J. Arnold Arbor.* 67(4):371-439.
- 9777 Epling, C. & Jativa, C. (1968). Supplementary
- 9783 Mori, S.A. (1981). Annotations to: List of threatened plants of Middle America.
- 9784 Dwyer, J. (1965). Notes on the Lecythidaceae of Panama. *Ann. Missouri Bot. Gard.* 52:351-363.
- 9785 Prance, G.T. & Mori, S. (1979). Lecythidaceae - Part I. The actinomorphic-flowered New World Lecythidaceae (*Asteranthus*, *Gustavia*, *Grias*, *Allantoma* and *Carintiana*). *Flora Neotropica*, Monograph 21.
- 9786 Mori, S. (1970). A new species of *Lecythis* from Panama. *Ann. Missouri Bot. Gard.* 57:386-388.
- 9787 Janzen, D. (1974). Swollen-thorn acacias of Central America. *Smithsonian Contrib. Bot.* 13:1-131.
- 9793 Frantz, P.R. (1979). A new species of *Centrosema* (Leguminosae) from Nicaragua and a key to the species in Central America. *Sida* 8(2):152-162.
- 9794 Espinosa, G.J. (1977). Una nueva especie de *Crotalaria* (Leguminosae) de Valle de México. *Phytologia* 36(4):265-268.
- 9798 Arroyo, M.T.K. (1976). The systematics of the legume genus *Harpalyce* (Leguminosae - Lotoideae). *Memoirs of the New York Botanical Garden* 26(4):1-80.
- 9802 Burger, W.C. (1968). Notes on the Flora of Costa Rica, I. *Fieldiana Bot.* 31(11):273-275.
- 9808 Cowan, R.S. (1968). *Swartzia* (Leguminosae). *Flora Neotropica*. Monograph 1. 227p.
- 9812 Rogers, C.M. (1968). Yellow-flowered species of *Linum* in Central America and western North America. *Brittonia* 20:107-135.
- 9815 Kuijt, J. (1981). Annotations to: List of threatened plants of Middle America.
- 9816 Kuijt, J. (1978). Commentary on the mistletoes of Panama. *Ann. Missouri Bot. Gard.* 65:736-763.
- 9817 Graham, S. (1968). New species of *Cuphea* (Lythraceae) from Mexico. *Brittonia* 20:1-10.
- 9818 Graham, S. (1971). Three new species of *Cuphea* (Lythraceae) from Mexico. *Brittonia* 23:227-230.
- 9821 Fryxell, P.A. (1981). Annotations to: List of threatened plants of Middle America.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 9822 Fryxell, P.A. (1976). Mexican species of *Abutilon* sect. *Armata* (Malvaceae) including descriptions of three new species. *Madroño* 23:320-333.
- 9823 Fryxell, P.A. (1980). Three new species of Malvaceae from Mexico. *Phytologia* 46(6):391-399.
- 9825 Fryxell, P.A. (1978). *Gossypium turneri* (Malvaceae), a new species from Sonora, Mexico. *Madroño* 25:155-159.
- 9826 Fryxell, P.A. (1977). New species of Malvaceae from Mexico and Brazil. *Phytologia* 37(4):285-316.
- 9827 Fryxell, P.A. (1979). Una revisión del género *Pavonia* en México. *Bol. Soc. Bot. Méx.* 38:7-35.
- 9828 Fryxell, P.A. (1974). Revision of *Periptera* DC. (Malvaceae). *Bol. Soc. Bot. Méx.* 33:39-46.
- 9829 Fryxell, P.A. (1971). A revision of *Phynostia* (Malvaceae). *Madroño* 21:153-174.
- 9832 Kennedy, H. (1978). Notes on Central American Marantaceae II. New species of *Calathea* from Costa Rica and Panama. *Brenesia* 14/15:349-356.
- 9833 Kennedy, H. (1976). Notes on Central American Marantaceae. I. New species and records from Panama and Costa Rica. *Ann. Missouri Bot. Gard.* 60:413-426.
- 9835 Almeda, F. (1981). Annotations to: List of threatened plants of Middle America.
- 9836 Wurdack, J.J. (1982). Annotations to: List of threatened plants of Middle America.
- 9837 Almeda, F. (1974). A new epiphytic *Blakea* (Melastomataceae) from Panama. *Brittonia* 26:393-397.
- 9838 Wurdack, J.J. (1976). New Guatemalan Melastomataceae. *Wrightia* 5(7):226-227.
- 9839 Almeda, F. (1979). A new Costa Rican species of *Clidemia* (Melastomataceae). *Bull. Torrey Bot. Club* 106:189-192.
- 9840 Wurdack, J.J. (1978). Vicariads in *Henriettella* (Melastomataceae). *Wrightia* 6(2):21-22.
- 9841 Almeda, F. (1978). Systematics of the genus *Monochaetum* (Melastomataceae) in Mexico and Central America. *Univ. Calif. Publ. Botany* 75:1-134.
- 9842 Morley, T. (1976). Memecyleae (Melastomataceae). *Flora Neotropica*. Monograph 15. 295 pp.
- 9843 Pennington, T.D. (1981). Meliaceae. *Flora Neotropica*. Monograph 28. 470 pp.
- 9987 Gorts van-Rijn, A.R.A. (1985). Flora of the Guianas. Königstein, W. Germany: Koeltz Scientific Books.
- 9989 Lorence, D.H. (1981). Annotations to: List of threatened plants of Middle America.
- 9990 Berg, C.C. (1972). Olmedieae, Brosimeae (Moraceae). *Flora Neotropica*, Monograph 7. 229 pp.
- 9991 Berg, C.C. (1981). Annotations to: List of threatened plants of Middle America.
- 9992 Kress, W.J. (1985). Annotations to: List of threatened plants of Middle America.
- 9993 Gentry, A.H. (1975). Additional Panamanian Myristicaceae. *Ann. Missouri Bot. Gard.* 62:474-479.
- 9996 Numerous. (1990). Plant name changes. Where the plant name has been changed from an earlier usage in the datafile.
- 9997 Numerous. (1990). Multiple data sources. Where more than one data source was required to provide the information required.
- 9998 Numerous. (1990). Assumed data. Where assumptions are made on the data before incorporation.
- 10001 Dwyer, J. & Hayden, M.V. (1966). Three new species of *Neea* (Nyctaginaceae) from Panama. *Phytologia* 14(3):137-139.
- 10003 Raven, P.H. (1981). Annotations to: List of threatened plants of Middle America.
- 10004 Plitman, U., Raven, P.H., & Breedlove, D. (1972). New taxa and recombinations in *Lopezia* (Onagraceae). *Ann. Missouri Bot. Gard.* 59:279-281.
- 10006 Plitman, U., Raven, P.H., Tai, W., & Breedlove, D. (1975). Cytological studies in *Lopezieae* (Onagraceae). *Bot. Gazette* 136(3):322-332.
- 10007 Navarro, A.V. (1982). Annotations to: List of threatened plants of Middle America.
- 10008 Luer, C.A. (1977). Icones Pleurothallidarum I and III. *Selbyana* 3(1-4):1-412.
- 10009 Luer, C.A. (1980). Miscellaneous new species in Pleurothallidinae (Orchidaceae). *Phytologia* 46(6):345-387.
- 10010 Dodson, C.H. (1982). Annotations to: List of threatened plants of Middle America.
- 10011 Halbinger, F. (1982). Annotations to: List of threatened plants of Middle America.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 10012 Williams, L.O. (1956). An enumeration of the Orchidaceae from Central America, British Honduras, and Panama. *Ceiba* 5:1-256.
- 10013 Hamer, F. (1974). Las orquídeas de El Salvador. San Salvador. El Salvador: Ministerio de Educación. 800 pp. 2 vols.
- 10015 Dressler, R.L. (1968). Dos orquídeas nuevas de México occidental. *An. Inst. Biol. Univ. Nat. Autón. México, Ser. Botánica* 39(1):117-120.
- 10016 Scheeren, W. (1974). A new *Epidendrum* from Oaxaca, Mexico: *Epidendrum gastiferum*. *Orquídea (Méx.)* 4(5):67-72.
- 10017 Heller, A.H. & Hawkes, A.D. (1966). Nicaraguan orchid studies - I. *Phytologia* 14(1):1-35.
- 10018 Heller, A.H. (1968). Three new Nicaraguan Epidendrum. *Fieldiana Bot.* 32(2):7-11.
- 10020 Dressler, R.L. (1981). Annotations to: List of threatened plants of Middle America.
- 10021 Hágsater, E. (1981). Annotations to: List of threatened plants of Middle America.
- 10028 Correll, D.S. (1965). Supplement to orchids of Guatemala and British Honduras. *Fieldiana Bot.* 31(7):177-221.
- 10030 Dressler, R.L. (1979). An attractive new *Sievekingia* from Panama. *Orquídeología* 13(3):224-229.
- 10034 Hamer, F. (1983). Orchids of Nicaragua. *Icones Plantarum Tropicarum*. fascicles 7-9, 11-13.
- 10035 Dressler, R.L. (1975). A new *Mormodes* (Orchidaceae) from Panama. *Ann. Missouri Bot. Gard.* 62:510-511. *Mormodes lancilabris*.
- 10037 Barringer, K.A. (1985). Three new species of *Elleanthus* (Orchidaceae) from Central America. *Brittonia* 37(3):286-290.
- 10041 Hágsater, E. (1986). *Oncidium hyalinobulbon* LaLlave & Lexarza and *Ercina echinata* (H.B.K.) Lindley. *Orquídea (Méx.)* 10(1):37-42.
- 10042 Greenwood, E.W. (1986). *Ponthieva angustipetala* Greenwood, una especie inesperada del Sur de México. *Orquídea (Méx.)* 10(1):7-21.
- 10044 Leon, E.A. (1986). *Clowesia dodsoniana*: una nueva *Clowesia* de México. *Orquídea (Méx.)* 10(1):191-200.
- 10047 Halbinger, F. (1982). *Odontoglossum* y géneros afines en México y Centroamérica. *Orquídea (Méx.)* 8(2):155-242.
- 10048 Jones, H.G. (1974). Additions to the orchid flora of Belize (British Honduras). *Adansonia* ser. 2 14(2):299-302.
- 10049 Dressler, R.L. (1983). Two new *Kefersteinia* from Panama. *Orquídeología* 16(1):56-62.
- 10059 Wendt, T. (1979). Notes on the genus *Polygala* in the United States and Mexico. *J. Arnold Arbor.* 60(4):504-514.
- 10060 Gentry, A.H. (1973). A new species of Proteaceae from Panama. *Ann. Missouri Bot. Gard.* 60:571-572.
- 10061 Johnston, M.C. (1976). *Thalictrum henricksonii* (Ranunculaceae), a new species from the Chihuahuan Desert region. *Wrightia* 5(8):301.
- 10062 Johnston, M.C. & Johnston, L.A. (1978). *Rhamnus*. *Flora Neotropica*, Monograph 20. 96 pp.
- 10063 Blackwell, W.H. (1968). Revision of *Bouvardia* (Rubiaceae). *Ann. Missouri Bot. Gard.* 55:1-30.
- 10064 Anderson, W.R. (1972). A monograph of the genus *Crusea* (Rubiaceae). *Memoirs of the New York Botanical Garden* 22(4):1-128.
- 10065 Dempster, L.T. (1970). Three new species of *Galium* (Rubiaceae) from Baja California. *Brittonia* 22:184-190.
- 10066 Dempster, L.T. (1975). A new species of *Galium* (Rubiaceae) from Coahuila. *Madroño* 23:13-14.
- 10071 Rzedowski, J. (1975). Tres dicotiledóneas mexicanas nuevas de posible interés ornamental. *Bol. Soc. Bot. Méx.* 35:37-50.
- 10073 Barringer, K.A. (1983). *Polygala dukei* (Polygonaceae), a new species from Panama. *Ann. Missouri Bot. Gard.* 70(1):203-204.
- 10075 Dempster, L.T. (1975). A new species of *Galium* (Rubiaceae) from the Sierra Madre Oriental. *Madroño* 23(3):108-110.
- 10077 Turner, B.L. & Turner, G. (1983). A new gypsophilic species of *Galium* (Rubiaceae) from north-central Mexico. *Madroño* 30(1):31-33.
- 10081 Wendt, T. (1983). *Plantae Uxpanapae* 1. *Colubrina johnstonii* sp. nov. (Rhamnaceae). *Bol. Soc. Bot. Méx.* 44:81-90.
- 10082 Bosser, J., Cadet, Th., Julien, H.R., & Marais, W. (1976). Flore des Mascareignes: La Réunion, Maurice, Rodrigues. The Sugar Research Institute, Mauritius; ORSTOM, Paris; Royal Botanic Gardens, Kew. Multipart Flora, ongoing, much still in manuscript held in Kew (with Keith Ferguson).
- 10086 Halbinger, F. (1986). *Lemboglossum*

Data sources for The 1997 IUCN Red List of Threatened Plants

- urosinneri* en Chiapas. *Orquidea (Méx.)* 10(1):133-137.
- 10088 Hunter, G. (1966). Mexican and Central American *Saurauia* (Dilleniaceae). *Ann. Missouri Bot. Gard.* 53(1):47-89.
- 10089 Holmgren, N.H. (1978). *Castilleja* (Scrophulariaceae) of Costa Rica and Panama. *Brittonia* 30:182-194.
- 10096 McVaugh, R. & Mellichamp, T.L. (1975). Mexican species of *Pedicularis* (Scrophulariaceae) hitherto confused with *P. tripinnata* Mart. & Gal. *Contr. Univ. Mich. Herb.* 11(2):57-63.
- 10102 Waterfall, U.T. (1967). *Physalis* in Mexico. Central America, and the West Indies. *Rhodora* 69:82-120; 203-239; 319-394.
- 10104 D'Arcy, W.G. (1978). A preliminary synopsis of *Salpiglossis* and other *Cestreeae* (Solanaceae). *Ann. Missouri Bot. Gard.* 65:698-724.
- 10108 Correll, D.S. (1961). Four new *Solanums* in Section *Tuberarium*. *Wrightia* 2(3):133-141.
- 10114 Almeda, F. (1976). A new species of *Symplocos* (Symplocaceae) from Mexico. *Madroño* 23:365-368.
- 10117 Constance, L. & Bye, R.A. (1976). New Chihuahuan Umbelliferae. *Bot. Mus. Leaflets (Harv. Univ.)* 24:225-240.
- 10118 Maas, P.J.M. et al. (1986). Saprophytes, pro parte. *Flora Neotropica*, Monograph 40, 41, 42. 189 pp.
- 10120 Bye, R.A. & Constance, L. (1979). A new species of *Tauschia* (Umbelliferae) from Chihuahua, Mexico. *Madroño* 26(1):44-47.
- 10123 Croat, T.B. (1976). Notes on Central and South American *Cissus* (Vitaceae). *Ann. Missouri Bot. Gard.* 63:358-363.
- 10125 Maas, P.J.M. (1977). *Renealmia* (Zingiberaceae - Zingiberoideae). Costoideae (Additions). (Costaceae). *Flora Neotropica*, Monograph 18. 218 pp.
- 10128 Kral, R. (1982). *Xyris nigrescens* Kral, a new species of *Xyris* (Sect. *Nematopus*) from Costa Rica. *Ann. Missouri Bot. Gard.* 69:415-417.
- 10130 Almeda, F. (1982). *Symplocos sousae*, a new species of Symplocaceae from Mexico. *Madroño* 29(4):255-258.
- 10131 Wendt, T. (1983). *Plantae Uxpanapae II*. Novedades en Violaceae y Scrophulariaceae. *Bol. Soc. Bot. Mexico* 45:133-140.
- 10141 Dransfield, J., Comber, J.B., & Smith, G. (1986). A synopsis of *Corybas* (Orchidaceae) in West Malesia and Asia. *Kew Bull.* 41(3):575-613. Illus., col. illus.
- 10149 Madulid, D.A. (1986). Additions to: List of plants in the CMC database for the Philippines.
- 10150 Subramanian, K.N. & Singh, B.G. (1986). *Gymnacranthera canarica* (King) Warb. - a tree species on the verge of extinction. Mimeo. 3p. (unpublished). Illus.
- 10153 Téllez Valdés, O. (1985). Two new species and a new combination in *Tephrosia* (Leguminosae). *Isleya* 2(3):101-108.
- 10155 Burt-Utley, K. & Utley, J.F. (1987). Contributions toward a revision of *Hechtia* (Bromeliaceae). *Brittonia* 39(1):37-43.
- 10160 Knapp, S. (1986). Three new species of *Solanum* Section *Geminata* (G. Don) Walp. (Solanaceae) from Panama and western Colombia. *Ann. Missouri Bot. Gard.* 73:738-744.
- 10161 Gentry, A.H. (1986). New neotropical species of *Meliosma* (Sabiaceae). *Ann. Missouri Bot. Gard.* 73:820-824.
- 10162 Sousa, M. (1986). Adiciones a las leguminosas de la Flora de Nicaragua. *Ann. Missouri Bot. Gard.* 73:722-737.
- 10166 MacDougal, J.M. (1982). Annotations to: List of threatened plants of Middle America. Added new species.
- 10167 Minnich, R. (1986). Range extensions and corrections for *Pinus jeffreyi* and *P. coulteri* (Pinaceae) in northern Baja California. *Madroño* 33(2):144-145.
- 10168 Forman, L.L. (1987). A new genus of Burseraceae from Mexico. *Kew Bull.* 42(1):262.
- 10169 Fosberg, F.R., Sachet, M.-H., & Stoddart, D.R. (1983). Henderson Island (southeastern Polynesia): summary of current knowledge. *Atoll Res. Bull.* 272:1-53. Illus., maps. Lists native and endemic species.
- 10171 Ansari, M.Y. (1983). The fragrant *Ceropegia* of nineteenth century. *Bull. Bot. Surv. India* 24(1-4):190-192. Illus. (1982 publ. 1983).
- 10173 Deb, D.B. & Raghavan, R.S. (1983). A rare species of *Agapetes* D. Don ex G. Don (Ericaceae). *Bull. Bot. Surv. India* 24(1-4):171-173. Illus. (1982 publ. 1983).
- 10177 Balakrishnan, N.P. & Nair, N.G. (1983). New taxa and record from Saddle Peak, Andaman Islands. *Bull. Bot. Surv. India* 24(1-4):28-36. Illus. (1982 publ. 1983).
- 10178 Mohanan, C.N. (1983). A contribution to the botany of Quilon District, Kerala. *Bull. Bot. Surv. India* 23(1-2):60-64. (1981 publ. 1983). Lists endemic and threatened species.

**Data sources for The 1997 IUCN Red List of Threatened Plants**

- 10181 **Shaw, R. (1987).** The genus *Eriochloa* (Poaceae: Paniceae) in North and Central America. *Sida* 12(1):165-207.
- 10184 **Henrickson, J. (1987).** Two new species of *Cercocarpus* (Rosaceae) from Mexico. *Syst. Bot.* 12(2):293-298.
- 10186 **Meerow, A.W. (1987).** New species of *Phaedranassa* and *Eucharis* (Amaryllidaceae). *Sida* 12(1):29-49.
- 10188 **Constance, L. & Affolter, J. (1987).** A trio of new *Tauschias* (Umbelliferae) from eastern Mexico. *Syst. Bot.* 12(2):286-292.
- 10196 **Salgado, E. (1987).** Letter to S. Davis via D.A. Madulid. Comments on Philippine ferns.
- 10197 **Martorell, L.F., Loigier, A.H., & Woodbury, R.O. (1981).** Catálogo de los nombres vulgares y científicos de las plantas de Puerto Rico. Boletín 263. Universidad de Puerto Rico. Rio Piedras. Puerto Rico. Recinto de Mayaguez, Estación Experimental Agrícola. 231 pp. Sp.
- 10198 **Eriksson, O., Hansen, A., & Sunding, P. (1974).** Flora of Macaronesia. Check-list of vascular plants. University of Umea, Sweden.
- 10199 **Nicolson, D.H. (1979).** List of threatened plants of Dominica with IUCN conservation categories. Threatened Plants Committee survey: returned list.
- 10200 **Nicolson, D.H. (1977).** Endemic species of dicots in Dominica. Pers. comm. An updated list from Bruce E. Weber's 1973 thesis "Dominica National Park", published by the Dept. of Recreation Resources. College of Forestry & Nat. Res., Colorado State Univ., Fort Collins, Colorado.
- 10232 **Stevens, P.F. (1980).** A revision of the Old World species of *Calophyllum*. *J. Arnold Arboretum* 61:258. Illus., maps.
- 10235 **Basu, S.K. (1983).** A provisional census of palms of India. Howrah, POSSCEF, Botanical Survey of India. 11p. (unpublished).
- 10237 **Moore, H.E. (1980).** Lists of palms for Hawaii, Japan, Philippines, Marquesas, Samoa, Tuamotu Islands, New Hebrides, Ryukyu Islands, Marianas, Taiwan, Micronesia and Bonin Islands, New Caledonia, Solomon Islands. Manuscript list, with letter to Hugh Synge, dated 19 February 1980. 5p. (unpublished).
- 10238 **Dransfield, J. (1976).** Lists of and comments on palms, made in 1976.
- 10241 **Loc, P.K. & Ban, N.T. (1985).** Annotations to: Preliminary list of candidate species of Vietnam.
- 10242 **Essig, F.B. (1977).** The palm flora of New Guinea: a preliminary analysis. Lae, PNG, Office of Forests. Botany Bulletin no. 9. 54 pp. Illus., keys.
- 10245 **Andrews, F.W. (1950).** The flowering plants of the (Anglo-Egyptian) Sudan. Arbroath, Scotland: Buncie. 3 vols. Illus., keys. (1950-1956).
- 10246 **Humbert, H. (1936).** Flore de Madagascar et des Comores. Paris, Muséum National d'Histoire Naturelle. Multipart work, 132 families written out of 189.
- 10249 **Whitmore, T.C. (1973).** Palms of Malaya. London: Oxford Univ. Press. 132 pp. Illus., keys.
- 10250 **Hatusima, S. (1971).** Flora of the Ryukyus (including Amami Islands, Okinawa Islands and Sakishima Archipelago). Okinawa: Study Group of Biological Education. 940 pp. Ja. Revised 1975.
- 10251 **Sledge, W.A. (1982).** An annotated checklist of the Pteridophyta of Ceylon. *Bot. J. Linn. Soc.* 84(1):1-30.
- 10252 **Abeywickrama, B.A. (1990).** The threatened plants of Sri Lanka. Sri Lanka: NARESA. Unesco - Man and the Biosphere National Committee for Sri Lanka. 56 pp. Publication No. 16. Annotated checklist.
- 10253 **Smith, A.C. (1979).** Flora Vitiensis Nova: a new Flora of Fiji. Hawaii, Pacific Tropical Botanic Garden. 5 volumes have been published (Spermatophytes only).
- 10258 **Dransfield, J. (1984).** The rattans of Sabah. Sabah, Forest Department. Sabah Forest Record no. 13: 182p. Illus., keys.
- 10259 **Dransfield, J. (1979).** A manual of the rattans of the Malay Peninsula. Malaysia Forest Department. Malayan Forestry Records no. 29. 270 pp. Illus., keys. Checklist and descriptions of 104 species.
- 10260 **HMSO. (1895-1992).** Index Kewensis plantarum phanerogamarum. Kew: Royal Botanic Gardens. Vols 1-2 published in 1895; 19 supplements up to 1993. CD-ROM version 1993 (Oxford University Press).
- 10262 **Dransfield, J. (1987).** Lists and comments on palms, made in 1987.
- 10269 **Tackholm, V. (1974).** *Student's Flora of Egypt*. Cairo University.
- 10270 **Greuter, W., Burdet, H.M., & Long, G. (eds.). (1984).** Med-Checklist. Vols. 1, 3 & 4. A critical inventory of vascular plants of the circum-mediterranean countries. Secretariat Med-Checklist, Botanischer Garten & Botanisches Museum Berlin-Dahlem. Vol. 1: Pteridophyta (ed 2.), Gymnospermae, Dicotyledones (Acanthaceae - Cneoraceae; Vol. 2 Convolvulaceae - Labiatae; Vol. 3 Lauraceae - Rhamnaceae; Vol. 4.
- 10276 **Gunatilleke, C.V.S. & I.A.U.N. (1985).** A conservation and protection plan for the Sinharaja Forest. Draft. Colombo, Ministry of Lands and Land Development and Forest Department and Gland, Switzerland, WWF and IUCN. (unpublished). Includes list of plants and their uses and endemism.
- 10278 **Tan, B.C., Fernando, E., & Rojo, J.P. (1986).** An updated list of endangered Philippine plants. *Yushania* 3(2):1-5.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 10283 **Gunatilleke, C.V.S. & I.A.U.N. (1987).** Rare woody species of Sinharaja rain forest in Sri Lanka. In Kostermans, A.J.G.H. (ed.). Proceedings of the Third Round Table Conference on Dipterocarps. Jakarta. Unesco-MAB and UNEP. 519-530. Paper presented at conference held at Mulawarman Univ., Samarinda, Kalimantan, April 1985.
- 10288 **Furtado, C.X. (1967).** Some notes on *Hyphaene*. *Garcia de Orta* 15(4):427-460. Illus.
- 10291 **Kiew, R. (1976).** The genus *Iguanura* Bl. (Palmae). *Gard. Bull. Singapore* 28:191-226. Illus., keys, map.
- 10292 **Kiew, R. (1979).** New species and records of *Iguanura* (Palmae) from Sarawak and Thailand. *Kew Bull.* 34(1):143-145.
- 10293 **Dransfield, J. (1972).** The genus *Johannesteijsmannia* H.E. Moore jr. *Gard. Bull. Singapore* 26:63-83. Illus., map, keys.
- 10294 **Lundell, C.L. (1969).** Studies of American plants, I. *Wrightia* 4(3):97-128.
- 10295 **Lundell, C.L. (1971).** Studies of American plants, III. *Wrightia* 4(4):153-170.
- 10297 **Lundell, C.L. (1968).** Studies of Tropical American plants. IV. *Wrightia* 4(1):31-51.
- 10299 **Lundell, C.L. (1974).** Studies of American plants, VI. *Wrightia* 5(2):23-44.
- 10303 **Lundell, C.L. (1975).** Studies of American plants - XI. *Wrightia* 5(6):193-198.
- 10310 **Lundell, C.L. (1961).** New species, nomenclatural changes, and new records for trees and shrubs of Mexico and Central America. *Wrightia* 3(1):1-20.
- 10320 **Lundell, C.L. (1978).** Studies of American plants, XVI. *Wrightia* 6(1):4-20.
- 10323 **Pipoly, J.J. & Lundell, C.L. (1982).** Contributions toward a monograph of *Cybianthus* (Myrsinaceae) II. The systematic position of *Ardisia perpuncticulosa*. *Wrightia* 7(2):52-54.
- 10337 **Itis, H. (1981).** Studies in the Capparidaceae XV: *Capparis panamensis*, n. sp. *Ann. Missouri Bot. Gard.* 68:681-685.
- 10339 **Hunt, D.R. (1981).** Annotations to: List of threatened plants of Middle America.
- 10341 **Morton, C.V. (1933).** The Mexican and Central American species of *Viburnum*. *Contrib. U.S. Nat. Herb.* 26(7):339-366.
- 10349 **Turner, B.L. & Lanford, G. (1982).** A new species of *Ericameria* (Asteraceae-Astereae) from north-central Mexico. *Madroño* 29(4):234-236.
- 10351 **Maguire, B. (1977).** Notes on Clusiaceae, chiefly of Panama. I. *Phytologia* 36(4):391-407.
- 10353 **Hamilton, C. (1985).** Notes and descriptions of seven new species of Mesoamerican Clethraceae. *Ann. Missouri Bot. Gard.* 72(3):539-543.
- 10354 **McVaugh, R. (1972).** Compositarum Mexicanum Pugillus. *Contr. Univ. Mich. Herb.* 9:359-484.
- 10357 **Turner, B.L. (1987).** A new species of *Sabaia* (Asteraceae, Heliantheae) from Durango, Mexico. *Phytologia* 63(4):307-309.
- 10358 **Dillon, M.O. (1984).** A systematic study of *Flourensia* (Asteraceae, Heliantheae). *Fieldiana Bot.* 16:1-66.
- 10359 **Aguilar, J.M. (1981).** Annotations to: List of threatened plants of Middle America.
- 10360 **Seymour, F.C. (1981).** Annotations to: List of threatened plants of Middle America.
- 10368 **Jenkins, M.D. (ed.). (1987).** Madagascar. An environmental profile. Gland, Switzerland and Cambridge, IUCN/UNEP/WWF. 374 pp. Compiled by IUCN Conservation Monitoring Centre, Cambridge. Maps. French edition in prep.
- 10370 **FAO Forestry Department. (1986).** Databook on endangered tree and shrub species and their provenances. Forestry Paper No. 77. Rome: FAO. 524 pp. Datasheets on 81 species.
- 10379 **Fay, M.F. & Muir, H.J. (1987).** The role of micropropagation in the conservation of European plants. Kew, Royal Botanic Gardens. 7p. (unpublished). Mimeo. Includes case studies of threatened plants from other areas.
- 10397 **García, R.D. & Olmsted, I. (1987).** Listado florístico de la Reserva Sian Ka'an. Puerto Morelos, Quintana Roo, Mexico. 71 pp. Sp. Illus. Inventory of 850 species.
- 10439 **Fu, L.G. & Chen, S.Z. (1981).** Discovery and designation of *Cathaya argyrophylla*. *Plant Journal (Zhiwu Zazhi)* 4:1-42. Ch.
- 10482 **Smitinand, T. (1979).** Letter to TPC. Details on palms of Thailand.
- 10483 **Rechinger, K.H. (ed.). (1963).** Flora Iranica. Austria, Graz. 150 parts published out of a projected 170. Illus. Covers Iranian highlands, parts of Afghanistan, west Pakistan, north Iraq, Azerbaijan and Turkmenistan.
- 10487 **Maire, R. (1952).** Flore de l'Afrique du Nord. Paris. Fr. 16 volumes published so far, out of 22 expected; incomplete.
- 10488 **Quezel, P. & Santa, S. (1962).** Nouvelle Flore de l'Algérie et des régions désertiques méridionales. Paris. Centre National de la Recherche Scientifique. 2



## Data sources for The 1997 IUCN Red List of Threatened Plants

- vols. 1170 pp. Fr. Illus.
- 10499** Balakrishnan, N.P. (1982). Nomenclatural notes on some flowering plants - III. *Bull. Bot. Survey India* 22(1-4):173-177. (1980 publ. 1982).
- 10504** Hanelt, P. (1963). Monographische Übersicht der Gattung *Carthamus* L. (Compositae). *Feddes. Rep.* 67:41-180. Ge. Illus., maps.
- 10505** Nair, V.J. & Ramachandran, V.S. (1982). Five plant records for Kerala. *Bull. Bot. Survey India* 22(1-4):193-194. (1980 publ. 1982).
- 10506** Ansari, M.Y. (1982). *Ceropegia panchangiensis* Blatt. et McCann (Asclepiadaceae) - a little known species, rediscovered. *Bull. Bot. Surv. India* 22(1-4):199-201. Illus. (1980 publ. 1982).
- 10508** Nair, N.C., Nair, V.J., & Ansari, R. (1980). Notes on some rare plants from south India. *Bull. Bot. Surv. India* 22(1-4):205-207. Illus. (1980 publ. 1982).
- 10511** Ansari, M.Y. & Kulkarni, B.G. (1982). A new species of *Ceropegia* Linn. (Asclepiadaceae) from the Western Ghats in Maharashtra State (India). *Bull. Bot. Survey India* 22(1-4):221-222. Illus. (1980 publ. 1982).
- 10512** Ansari, M.Y. (1982). *Ceropegia maccannii* Ansari - a new species. *Bull. Bot. Survey India* 22(1-4):227-229. Illus. (1980 publ. 1982).
- 10517** Dransfield, J. (1978). The genus *Maxburretia* (Palmae). *Genes Herbarum* 11(4):187-199. Illus.
- 10518** Moore, H.E. (1978). New genera and species of Palmae from New Caledonia. *Genes Herbarum* 11(4):291-309. Illus.
- 10519** Moore, H.E. (1978). *Tectiphiala*, a new genus of Palmae from Mauritius. *Genes Herbarum* 2:284-290.
- 10520** Obermeyer, A.A. & Strey, R.G. (1969). A new species of *Raphia* from northern Zululand and southern Mozambique. *Bothalia* 10(1):29-37. Illus.
- 10523** Moore, H.E. & Uhl, N.W. (1984). The indigenous palms of New Caledonia. *Alertonia* 3(5):402. Illus., maps. Includes rediscovery of *Pritchardiopsis jennencyi*.
- 10525** Dransfield, J. (1980). Systematic notes on *Pinanga* (Palmae) in Borneo. *Kew Bull.* 34(4):769-788. Illus.
- 10526** Moore, H.E. (1970). The genus *Rhopaloblaste* (Palmae). *Principes* 14(3):75-92. Illus.
- 10532** Moore, H.E., Phillips, R.H., & Vodonaivalu, S. (1982). Additions to the palms of Fiji. *Principes* 26(3):122-125. *Gulubia* sp. nov. and *Alsmithia longipes*.
- 10534** Dransfield, J. (1982). *Pinanga cleistantha*, a new species with hidden flowers. *Principes* 26(3):126-129.
- 10538** Tryon, R.M. (1987). Annotations to: List of threatened plants of Latin America.
- 10539** Jiménez, Q. (1986). Árboles en peligro de extinción para Costa Rica. San José: Fundación de Parques Nacionales, Programa Patrimonio Natural de Costa Rica. 4 pp.
- 10540** Castillo, J.A. (1986). Annotations to: List of threatened plants of Latin America.
- 10544** Staples, G. (1987). Annotations to: List of threatened plants of Latin America.
- 10545** Hammel, B.E. (1987). Annotations to: List of threatened plants of Middle America.
- 10546** McDonald, J.A. (1982). A new species of *Ipomoea* (Convolvulaceae) from southwestern Mexico. *Brittonia* 34(3):336-338.
- 10553** Buchholz, J. & Gray, N.E. (1948). A taxonomic revision of *Podocarpus* II. The American species of *Podocarpus*: Section *Stachycarpus*. *J. Arnold Arboretum* 29:117-151. Keys.
- 10557** Dietrich, W. & Wagner, W.L. (1987). New taxa of *Oenothera* L. Sect. *Oenothera* (Onagraceae). *Ann. Missouri Bot. Gard.* 74:144-150.
- 10558** Van der Werff, H. (1987). A revision of *Mezilaurus* (Lauraceae). *Ann. Missouri Bot. Gard.* 74:153-182.
- 10559** Daniel, T.F. (1986). Systematics of *Tetramerium* (Acanthaceae). *Systematic Botany Monographs* 12:1-134.
- 10567** Mirov, N.T. (1967). The genus *Pinus*. New York: Ronald Press Co. 602 pp. Maps, keys, illus.
- 10569** Royal Botanic Gardens Kew. (1990). Herbarium sheets. Kew, Royal Botanic Gardens. Used to determine locality and ecological data.
- 10570** Neto, H.M. (1976). *Pichisermollia* Monteiro Neto um nome novo para *Gigliolia* Becc. *Rodriguesia* 28(4):195-198.
- 10571** Dransfield, J. (1979). A monograph of *Ceratolobus* (Palmae). *Kew Bull.* 34(1):1-33. Illus.
- 10572** Nature Conservation Society of Japan, W. (1987). The list of plants important for conservation (the primary edition). Angiospermae: Corypetalae. Tokyo: NACS-Japan and WWF-Japan. 27 pp.
- 10573** Nature Conservation Society of Japan, W. (1987). The list of plants important for conservation (the primary edition). Angiospermae:

**Data sources for The 1997 IUCN Red List of Threatened Plants**

- Sympetalae. Tokyo: NACS-Japan and WWF-Japan. 24 pp.
- 10582 Fah, L.Y. (1987). A preliminary survey of *Mangifera* species in Sabah. Sandakan. Forest Research Centre. Project No. 3305/MAL 75.
- 10583 Wickens, G.E. (1971). Tropical African Plants: XXXI. *Kew Bull.* 25(2):173-190. A section of miscellaneous species descriptions.
- 10584 Polhill, R.M. (1963). Tropical African Plants: XXVII. *Kew Bull.* XVII:161-182. A section of miscellaneous species descriptions.
- 10592 Guan, S.L. (1987). Conservation of the mango and its relatives in Peninsular Malaysia. Forest Research Institute of Malaysia. World Wildlife Fund Malaysia Project MAL 80/85. 29 pp.
- 10597 Bompard, J.M. & Kostermans, A.J.G.H. (1985). Preliminary results of an IUCN/WWF sponsored project for conservation of wild *Mangifera* species *in situ* in Kalimantan (Indonesia). Montpellier, Laboratoire de Botanique Tropicale and Bogor, BIOTROP. Col. illus., maps. Mimeo.
- 10598 Strahm, W. (1986). Mauritius and Rodrigues: Conservation of endemic plants. Progress report of WWF/IUCN Project number 3149 from 1 June 1986 to 31 December 1986. 39p. (unpublished). Includes species lists, tables of population data, habitat descriptions, and details of plant propagation programme.
- 10600 Rushforth, K. (1986). Mexico's spruces - rare members of an important genus. *Kew Mag.* 3(3):119-124. Illus., maps.
- 10603 Fernando, E.S. (1983). A revision of the genus *Nenga*. *Principes* 27(2):55-70. Palm genus from S.E. Asia and Indo-China.
- 10604 Green, P.S. (1986). Notes relating to the floras of Norfolk and Lord Howe Islands, II. *J. Arnold Arboretum* 67:109-122.
- 10630 Dransfield, J. (1984). The genus *Areca* (Palmae: Arecoideae) in Borneo. *Kew Bull.* 39(1):1-22. Synopsis of all Bornean species; sinks *Pichisermollia*.
- 10631 Madulid, D.A. (1981). A monograph of *Plectocomia* (Palmae: Lepidocaryoideae). *Kalikasan, Philipp. J. Biol.* 10(1):1-94.
- 10642 Wang, X., Jin, X., & Sun, C. (1986). *Burretiodendron hsienu* Chun & How: its ecology and its protection. *Arnoldia* 45(4):46-51. Illus., map.
- 10667 Dransfield, J. (1984). A note on the genus *Zalacella* (Palmae: Lepidocaryoideae). *Kew Bulletin* 39:797-798. Reduces *Zalacella harmandii* from Laos to *Calamus harmandii*.
- 10668 Dransfield, J. & Mogege, J.P. (1981). A reassessment of the genus *Lophospatha* Burret. *Principes* 25(4):178-180. Sinks this palm genus into *Salacca*.
- 10669 Dransfield, J. (1982). *Pogonotium moorei*, a new species from Sarawak. *Principes* 26(4):174-177. Palmae.
- 10670 Dransfield, J. (1981). A synopsis of the genus *Korthalsia* (Palmae: Lepidocaryoideae). *Kew Bull.* 36(1):163-194.
- 10672 Benl, G. (1976). Some new and rare ferns from West Tropical Africa. *Nova Hedwigia* XXVII:147-154.
- 10674 Kiew, R. & Dransfield, J. (1987). The conservation of palms in Malaysia. *Malay. Naturalist* 41(1):24-31. List of palms with conservation categories for Pen. Malaysia; result of WWF 3325.
- 10678 Tyzack, S. (1987). Notes on Wright's gardenia (*Rothmannia annae*). Aride Island, Seychelles. Results of a population census, with notes on fertilisation, germination, and dispersal. Management recommendations.
- 10701 Straley, G.B., Taylor, R.L., & Douglas, G.W. (1985). The rare vascular plants of British Columbia. *Syllogeus* (59):165.
- 10710 Strahm, W. (1987). Conservation of endemic plants of Mauritius and Rodrigues. Report of WWF/IUCN Project No. 3149, January-August 1987. 80p. Mimeo. (unpublished). Includes species lists, population data, habitat descriptions, and management proposals.
- 10720 Strahm, W. (1985). Preserving rare plants in Mauritius. *WWF Monthly Rep.* June 1985:127-130.
- 10739 Moore, H.E. (1982). *Geonoma tenuissima*. *Principes* 26(4):204-205.
- 10740 Galeano-Garces, G. (1986). *Geonoma chlamydostachys*, a new species from Colombia. *Principes* 30(2):71-74.
- 10741 Galeano-Garces, G. & Bernal-González, R. (1985). *Aiphanes acaulis*, a new species from Colombia. *Principes* 29(1):20-22.
- 10743 Bernal-González, R. (1986). *Catoblastus distichus*, an interesting new palm from Colombia. *Principes* 30(1):38-41.
- 10744 Read, R.W., Zanoni, T.A., & Mejia, M. (1987). *Reinhardtia paiewonskiana* (Palmae), a new species for the West Indies. *Brittonia* 39(1):20-25.
- 10747 d'Arcy, W.G. (1987). Flora of Panama: checklist and index. *Monographs in Systematic Botany* 1718:1-1000. Part 1: The introduction and checklist. Part 2: Index of 7345 species.
- 10759 Kress, W.J. (1984). Systematics of Central American *Heliconia* (Heliconiaceae) with pendent inflorescences. *J. Arnold Arbor.* 65:429-532.
- 10760 Daniels, G.D. & Stiles, F.G. (1979). The

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Heliconia* taxa of Costa Rica. Keys and descriptions. *Brenesia* 15(Suppl.):1-150.
- 10764** U.S. Department of the Interior. Fish and Wildlife Service. (1987). Endangered and threatened wildlife and plants; proposal to determine *Hymenoxys acaulis* var. *glabra* (lakeside daisy) to be a threatened species. *Federal Register* 52(160):31048-31050.
- 10766** Croat, T.B. (1986). A revision of the genus *Anthurium* (Araceae) of Mexico and Central America. Part II: Panama. *Monographs in Systematic Botany* (Missouri Botanical Garden) 14. 204 pp.
- 10777** Grierson, A.J.C. & Long, D.G. (1983). Flora of Bhutan: including a record of plants from Sikkim. Edinburgh: Royal Botanic Garden. vols. 1 (3 parts) & 2 (1) published so far.
- 10778** Meikle, R.D. (1978). A key to *Commicarpus*. *Notes Roy. Bot. Gard. Edinburgh* 36:235-249. Illus.
- 10779** Dransfield, J. & Uhl, N.W. (1984). A magnificent new palm from Madagascar. *Principes* 28(4):151-154.
- 10794** Anon. (1987). Geothermal allocations concern council. *Nature Conservation Council Newsl.* 66:3.
- 10831** Beetle, A.A. (1987). Noteworthy grasses from Mexico. XIII. *Phytologia* 63(4):209-297.
- 10836** King, R.M. & Robinson, H. (1987). The genera of the Eupatorieae (Asteraceae). Lawrence, Kansas: Allen Press Inc. 581 pp.
- 10868** Anon. (1987). Blue Vanda. Conservation of a rare orchid through micropropagation. *Bot. Gard. Conserv. News* 1(1):47-49. Illus.
- 10900** Linnington, S. & Smith, R.D. (1987). Deferred regeneration. A manpower-efficient technique for germplasm conservation. *Pl. Genet. Resource. Newsl.* 70:2-12. Gene bank.
- 10936** Strahm, W. (1987). Annotations to: Full list of species in the WCMC database for Mauritius and Rodrigues.
- 11027** York, R.P. (1987). California's most endangered plants. pp. 109-120 *In* Elias, T.S. (ed.). Conservation and management of rare and endangered plants. Proceedings from a conference, Sacramento, California, 5-8 November 1986. Sacramento: California Native Plant Society. Illus., maps. Data sheets on 12 taxa.
- 11051** Norris, L.L. (1987). Status of five rare plant species in Sequoia and Kings Canyon National Parks. pp. 279-282 *In* Elias, T.S. (ed.). Conservation and management of rare and endangered plants. Proceedings from a conference, Sacramento, California, 5-8 November 1986. Sacramento: California Native Plant Society.
- 11055** DeLamater, R. & Hodgson, W. (1987). *Agave arizonica*: an endangered species, a hybrid, or does it matter? pp. 305-309 *In* Elias, T.S. (ed.). Conservation and management of rare and endangered plants. Proceedings from a conference, Sacramento, California, 5-8 November 1986. Sacramento: California Native Plant Society.
- 11059** Holland, R.F. (1987). What constitutes a good year for an annual plant? Two examples from the Orcuttieae. pp. 329-333 *In* Elias, T.S. (ed.). Conservation and management of rare and endangered plants. Proceedings from a conference, Sacramento, California, 5-8 November 1986. Sacramento: California Native Plant Society.
- 11082** Reid, T.S. & Walsh, R.C. (1987). Habitat reclamation for endangered species on San Bruno Mountain. pp. 493-499 *In* Elias, T.S. (ed.). Conservation and management of rare and endangered plants. Proceedings from a conference, Sacramento, California, 5-8 November 1986. Sacramento: California Native Plant Society. Maps.
- 11102** Adamson, R.S. & Salter, T.M. (eds.). (1950). Flora of the Cape Peninsula. Cape Town: Juta. 887 pp.
- 11103** Kostermans, A.J.G.H. (1973). A forgotten Ceylonese cinnamon-tree (*Cinnamomum capparum-coronde* Bl.). *Ceylon J. Sci. (Bio. Sci.)* 10(2):119-121.
- 11110** Sribhibhadh, P., Juntarogool, R., & Mead, E. (eds.). (1987). Consider the costs: a position paper on the Nam Choan Dam. Bangkok: Wildlife Fund Thailand. 47 pp. Col. illus., maps.
- 11117** Lawesson, J.E., Adrsersen, H., & Bentley, P. (1987). An updated and annotated checklist of the vascular plants of the Galapagos Islands. Aarhus, Denmark: University of Aarhus. Reports from the Botanical Institute No. 16. 74 pp. (Sp).
- 11119** Vovides, A.P. (1987). Annotations to: List of threatened plants of Middle America.
- 11120** Berg, C.C. (1988). Annotations to: List of threatened plants of Latin America.
- 11121** Robinson, H. & Brettell, R.D. (1974). Studies in the Liabeae (Asteraceae). II. Preliminary survey of the genera. *Phytologia* 28(1):43-63.
- 11123** Graham, S. (1988). Annotations to: List of threatened plants of Middle America.
- 11124** Andersson, L. (1985). Revision of *Heliconia* subgen. *Stenochlamys* (Musaceae - Heliconioideae). *Opera Botanica* 82:5-123.
- 11125** Kress, W.J. (1988). Annotations to: List of threatened plants of Latin America.
- 11127** Isley, P.T. (1987). *Tillandsia*. The world's most unusual air plants. Gardena, California: Botanical Press. 256 pp.
- 11130** Ravenna, P. (1983). A new species and a new subgenus in *Ennealophus* (Iridaceae). *Wrightia* 7(3):232-234.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 11131 **Molseed, E. (1970).** The genus *Tigridia* (Iridaceae) of Mexico and Central America. *Univ. Calif. Publ. Bot.* 54:1-127. 42:35-39.
- 11135 **Luteyn, J.L. (1987).** New species and notes on neotropical Ericaceae. *Opera Botanica* 92:109-130. Illus., maps.
- 11136 **Ravenna, P. (1987).** *Diamena* and *Diora*, two new genera of Anthericaceae from Peru. *Opera Botanica* 92:185-193.
- 11139 **National Environment Protection Bureau. (1987).** The list of rare and endangered plants protected in China. Botanical Institute of Chinese Academy of Sciences, Beijing: Academy Press. 96 pp.
- 11149 **Webster, G. & Poveda, L.J. (1987).** A phytogeographically significant new species of *Jatropha* (Euphorbiaceae) from Costa Rica. *Brittonia* 30(2):265-270.
- 11153 **Tropical Botanic Garden & Research Institute (TBGT). (1988).** Returned questionnaire: rare and threatened plants of various Asian countries.
- 11163 **Nature Conservation Society of Japan, W. (1987).** The list of plants important for conservation (the primary edition). Pteridophyta. Tokyo: NACS-Japan and WWF-Japan. 18 pp.
- 11164 **Nature Conservation Society of Japan, W. (1987).** The list of plants important for conservation (the primary edition). Angiospermae: Monocotyledonae. Tokyo: NACS-Japan and WWF-Japan. 25 pp.
- 11169 **Mathew, B. (1985).** A review of the genus *Tricyrtis*. *The Plantsman* 6(4):192-224. Illus.
- 11177 **Mogea, J.P. (1980).** The flabellate-leaved species of *Salacca* (Palmae). *Reinwardtia* 9(4):461-479. Illus.
- 11178 **Dransfield, J. (1977).** A dwarf *Livistona* (Palmae) from Borneo. *Kew Bull.* 31(4):759-762. Illus.
- 11179 **Essig, F.B. (1982).** A synopsis of the genus *Gulubia*. *Principes* 26(4):159-173. Illus.
- 11181 **Miller, J.S. (1987).** Annotations to: List of threatened plants of Latin America.
- 11182 **Webster, G. (1987).** Annotations to: List of threatened plants of Latin America.
- 11183 **Standley, P.C. (1920-1926).** Trees and shrubs of Mexico. *Contrib. U.S. Nat. Herb.* 232:1-1727.
- 11184 **Meerow, A.W. (1987).** Annotations to: List of threatened plants of Latin America.
- 11185 **Pérez-Jiménez, A. (1982).** *Jatropha chamelensis* (Euphorbiaceae), nueva especie de costa de Jalisco, México. *Bol. Soc. Bot. Méx.*
- 11190 **Webster, G., Gillespie, J.L., & Steyermark, J. (1987).** Systematics of *Croizatia*. *Syst. Bot.* 12:1-8.
- 11194 **Webster, G. & Armbruster, W.S. (1979).** A new euglossine-pollinated species of *Dalechampia* (Euphorbiaceae) from Mexico. *Brittonia* 31:352-357.
- 11195 **Webster, G. (1987).** A new species of *Jatropha* (Euphorbiaceae) from Nicaragua. *Ann. Missouri Bot. Gard.* 74:117-120.
- 11196 **Webster, G. (1984).** A revision of *Flueggea* (Euphorbiaceae). *Allertonia* 3:259-312.
- 11197 **Webster, G. (1978).** A new species of *Phyllanthus* (Euphorbiaceae) with southern hemisphere affinities. *Rhodora* 80:570-574.
- 11198 **Webster, G. (1979).** A revision of *Margaritaria*. *J. Arnold Arboretum* 60:403-444.
- 11202 **Meerow, A.W. (1990).** Systematics of the Amazon lilies, *Eucharis* and *Caliphruria*. *Ann. Missouri Bot. Gard.*
- 11203 **Meerow, A.W. (1987).** Biosystematics of tetraploid *Eucharis* (Amaryllidaceae). *Ann. Missouri Bot. Gard.* 74:291-309.
- 11205 **Meerow, A.W. (1987).** A monograph of *Eucrosia* (Amaryllidaceae). *Syst. Bot.* 12:460-492.
- 11206 **Ravenna, P.F. (1980).** A new yellow-flowered *Hymenocallis* (Amaryllidaceae) from north Peru. *Bot. Notiser* 133:97-98.
- 11207 **Meerow, A.W. (1987).** The identities and systematic relationships of *Mathieua* Klotzsch and *Plagiolirion* Baker (Amaryllidaceae). *Taxon* 36:566-572.
- 11208 **Meerow, A. (1984).** Two new species of pancratioid Amaryllidaceae from Peru and Ecuador. *Brittonia* 36:18-25.
- 11209 **Ravenna, P.F. (1972).** *Pucara*, género nuevo de Amaryllidaceae del norte de Peru. *Ann. Mus. Nat. Valparaiso* 5:85-89.
- 11210 **Ravenna, P.F. (1971).** *Stenomesson mirabile*. *Plant Life* 27:77-79.
- 11211 **Barrington, D.S. (1978).** A revision of the genus *Trichipteris*. *Contrib. Gray Herb.* 208:3-93. Illus., maps.
- 11212 **Pipoly, J.J. (1987).** Annotations to: List of threatened plants of Latin America.
- 11213 **Stahl, B. (1987).** Annotations to: List of threatened plants of Latin America.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 11215 **Breedlove, D.E. (1987).** Annotations to: List of threatened plants of Latin America.
- 11218 **Witsberger, D. (1981).** Annotations to: List of threatened plants of Middle America.
- 11232 **Latiff, A. (1987).** Portraits of threatened plants: 13. *Pterisanthes pulchra* Ridl. *Malay. Nat.* 41(2):25-26. Illus.
- 11244 **Holm-Nielsen, L.B. & Haynes, R.R. (1985).** Two new Alismatidae from Ecuador and Peru (Alismataceae and Zannichelliaceae). *Brittonia* 37:17-21.
- 11245 **Luther, H. (1987).** Annotations to: List of threatened plants of Latin America.
- 11258 **Dixit, R.D. (1987).** IAP pteridophyte conservation data form: *Holcosorus bisulcatus* (Hook.) Ching. 26 March 1987. (unpublished).
- 11262 **Dixit, R.D. (1987).** IAP pteridophyte conservation data form: *Woodsia andersonii* (Bedd.) Christ. 27 March 1987. (unpublished).
- 11266 **Dixit, R.D. (1987).** IAP pteridophyte conservation data form: *Coniogramme indica* Fee.
- 11269 **Salgado, A.E. (1987).** IAP pteridophyte conservation data form: *Ctenitis dubia* (Copel.) Copel. Unpublished data, 20 January 1987. (unpublished).
- 11270 **Salgado, A.E. (1987).** IAP pteridophyte conservation data form: *Ctenitis paleolata* Copel. Unpublished data, 23 January 1987. (unpublished).
- 11271 **Salgado, A.E. (1987).** IAP pteridophyte conservation data form: *Platyserium grande* (J. Sm. ex Fee) Presl. Unpublished data, 27 January 1987. (unpublished).
- 11272 **Salgado, A.E. (1987).** IAP pteridophyte conservation data form: *Ctenitis mearnsii* Copel. Unpublished data, 23 January 1987. (unpublished).
- 11273 **Dixit, R.D. (1987).** IAP pteridophyte conservation data form: *Cyathea albosetacea* (Bedd.) Copel.
- 11274 **Dodson, C.H. & Dodson, P.M. (1984).** Orchids of Ecuador. *Icones Plantarum Tropicarum* fascicle 10:901-1000.
- 11278 **Greenwood, E.W. (1987).** *Govenia bella*, a new species from Oaxaca, Mexico. *Orquidea (Méx.)* 10(2):273-246.
- 11279 **Hágsater, E. (1987).** Epidendra nova et criticae 3: new species of the *Epidendrum arbuscula* group of Mexico and Central America. *Orquidea (Méx.)* 10(2):337-353.
- 11305 **Tan, B.C. (1988).** Pers. comm. Unpublished. 12 May 1988. (unpublished). Information on Philippine species.
- 11306 **Maas, P.J.M. (1988).** Annotations to: List of threatened plants of Latin America.
- 11307 **Maas, P.J.M. (1977).** *Renealmia* (Zingiberaceae-Zingiberoideae) Costoideae (Additions) (Zingiberaceae). *Flora Neotropica*. Monograph 18. 218 pp.
- 11309 **Fries, R.E. (1931).** Revision der Arten einiger Annonaceen-Gattungen. II. *Acta Horti Berg.* 10(2):129-341.
- 11310 **Maas, P.J.M. & Maas, H. (1987).** Notes on New World Zingiberaceae: III. Some new species in *Renealmia*. *Notes Royal Bot. Gard. Edinburgh* 44(2):237-248.
- 11311 **Walker, J.W. (1971).** Validation of *Reedrolinsia* Walker (Annonaceae). *Rhodora* 73(795):461.
- 11312 **Schatz, G. (1985).** A new *Cymbopetalum* (Annonaceae) from Costa Rica and Panama with observations on natural hybridization. *Ann. Missouri Bot. Gard.* 72(3):535-538.
- 11315 **Hágsater, E. (1984).** *Cypripedium dicksonianum* Hágsater, a new species from Chiapas, Mexico. *Orquidea (Méx.)* 9(2):209-212.
- 11319 **Hágsater, E. (1984).** Epidendra Mexicana Pollardiana 10: *Epidendrum dorsocarinatum* Hágsater; a new species from the state of Mexico. *Orquidea (Méx.)* 9(2):318-320.
- 11320 **Hágsater, E. (1982).** Epidendra Mexicana Pollardiana 8: *Epidendrum rowleyi*, *E. longipetalum*, and *E. tortipetalum*. *Orquidea (Méx.)* 8(2):376-384.
- 11322 **Rosillo de Velasco, S. (1983).** *Mormodes oceloteoides* Rosillo sp. nov. *Orquidea (Méx.)* 9(1):52-58.
- 11324 **Cardenas, J., Ramirez, A., & Rosillo, S. (1983).** *Mormodes pabstiana*, a new species of Jalisco, Mexico. *Orquidea (Méx.)* 9(1):78-82.
- 11325 **Rosillo de Velasco, S. (1983).** *Mormodes saccata* Rosillo, a new large flowered species from Jalisco, Mexico. *Orquidea (Méx.)* 9(1):40-46.
- 11332 **Hágsater, E. & Stermitz, F. (1983).** *Encyclia oestlundii*, another confused species from Mexico. *Orquidea (Méx.)* 9(1):110-112.
- 11335 **Halbinger, F. (1984).** *Lemboglossum*, un nuevo nombre para el complejo *Odontoglossum cervantesii*. *Orquidea (Méx.)* 9(2):347-350.
- 11336 **Hágsater, E. (1988).** Annotations to: List of threatened plants of Middle America.
- 11337 **Balogh, P. (1981).** Nomenclatural notes on the genus *Schiedeela* Schlechter (Orchidaceae).

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Orquidea (Méx.)* 8(1):38-40.
- 11338 Burns-Balogh, P. (1986). A synopsis of Mexican Spiranthinae. *Orquidea (Méx.)* 10(1):76-96.
- 11344 Halbinger, F. (1974). The genus *Barkeria*. *Am. Orchid Soc. Bull.* 42:620-626.
- 11345 Wiard, L. (1987). An introduction to the orchids of Mexico. Ithaca, New York: Comstock. 239 pp.
- 11347 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Cyathea nigirensis* Holtt. 11 September 1986. (unpublished).
- 11348 Dressler, R.L. & Pollard, G. (1971). Nomenclatural notes on the Orchidaceae - IV. *Phytologia* 21(7):440-443.
- 11350 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Isoetes bilaspurensis* Panigr. 11 September 1986. (unpublished).
- 11351 Harling, G. & Sparre, B. (eds.). (1973). Flora of Ecuador. Stockholm, Sweden: Department of Systematic Botany, University of Goteborg, and the Section of Botany, Riksmuseum.
- 11352 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Isoetes dixitii* Shende. 11 September 1986. (unpublished).
- 11353 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Isoetes sanpathkumarii* L.N.Rao. 11 September 1986. (unpublished).
- 11354 Dodson, C.H. & Hágsater, E. (1978). *Oncidium pollardii*, a new species from south central Mexico. *Orquidea (Méx.)* 7(1):16-18.
- 11355 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Lindsaea malabarica* (Bedd.) Bak. ex C.Ch. 12 September 1986. (unpublished).
- 11356 Dixit, R.D. (1990). IAP pteridophyte conservation data form: *Lindsaea tenera* Dryand.
- 11358 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Selaginella adunca* A.Br. ex Hieron. 11 September 1986. (unpublished).
- 11359 Dixit, R.D. (1986). IAP pteridophyte conservation data form: *Selaginella cataractum* Alston. 11 September 1986. (unpublished).
- 11362 Suro González, J. (1978). How I found *Encyclia pollardiana*. *Orquidea (Méx.)* 7(1):37-41.
- 11363 Greenwood, E. & González Tamayo, R. (1978). *Malaxis pollardii* L.O. Williams. *Orquidea (Méx.)* 7(1):48-51.
- 11364 Pridgeon, A.M. (1978). A revision of the genera *Coelia* and *Bothriochilus*. *Orquidea (Méx.)* 7(2):81-94.
- 11367 Jeffrey, C. (1987). Annotations to: List of threatened plants of Latin America.
- 11368 Jeffrey, C. (1975). Further notes on Cucurbitaceae: IV. Some New World taxa. *Kew Bull.* 33(2):347-380.
- 11371 Silverstone-Sopkin, P. & Graham, S.A. (1986). Alzateaceae, a plant family new to Colombia. *Brittonia* 38(4):340-343.
- 11372 Foster, R.C. (1945). Miscellaneous diagnoses and transfers. *Contrib. Gray Herb.* 155:64-70.
- 11373 Graham, S.A. (1988). Annotations to: List of threatened plants of Middle America.
- 11375 Ramamoorthy, T.P. & Zardini, E.M. (1987). The systematics and evolution of *Ludwigia* sect. *Myrtocarpus* sensu lato (Onagraceae). *Systematic Botany Monographs* 19:1-120.
- 11379 Reznicek, A.A. (1982). Two new species of *Carex* (Cyperaceae) from southern Mexico. *Systematic Bot.* 7(3):340-344.
- 11380 González Elizondo, S. (1985). 3 nuevas especies mexicanas de Cyperaceae. *Phytologia* 57(6):381-385.
- 11383 Reznicek, A.A. (1986). The taxonomy of *Carex* sect. *Hymenochlaena* (Cyperaceae) in Mexico and Central America. *Syst. Bot.* 11(1):56-87.
- 11384 González Elizondo, M. (1986). Una nueva especie de *Acourtia* (Asteraceae - Mutisieae) de Durango, México. *Phytologia* 61(2):117-118.
- 11388 Dransfield, J. (1983). *Kerriodoxa*, a new coryphoid palm genus from Thailand. *Principes* 27(1):3-11. Illus.
- 11389 Dransfield, J. & Wong, K.M. (1987). A new species of *Livistona* (Palmae) from Peninsular Malaysia. *Malayan Nature J.* 41(2-3):119-123. Illus.
- 11419 Sánchez-Mejorada, H., Anderson, E.F., Taylor, N.P. & R. (1986). Succulent plant conservation studies and training in Mexico: Stage 1, Part 1: May-June 1986. Assessment of individual species in northeastern Mexico and initial training of conservation specialists. WWF-U.S. 158 pp.
- 11494 Nayar, M.P. & Sastry, A.R.K. (eds.). (1987). Red Data Book of Indian plants. Vol. 1. Calcutta: Botanical Survey of India. 367 pp. Illus., col. illus.
- 11495 Curtis, T.G.F. & McGough, H.N. (1988). The Irish Red Data Book 1: Vascular plants. Dublin: Wildlife Service Ireland. 168 pp. Col. illus., maps.
- 11496 Gómez-Campo, C. (ed.). (1987). Libro rojo de especies vegetales amenazadas de España peninsular e Islas Baleares. [Red Data Book of vascular plants in the

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Balearic Islands and peninsular Spain]. ICONA, Ministerio de Agricultura, Pesca y Alimentación. 676 pp. Col. illus., maps.
- 11502 Garay, L. (1979).** Systematics of the genus *Stelis*. *Bot. Mus. Leaflet (Harv. Univ.)* 27(7-9):167-259.
- 11503 González Villarreal, L.M. (1986).** Contribución al conocimiento del género *Quercus* (Fagaceae) en el estado de Jalisco. Guadalajara, México: Universidad de Guadalajara. 240 pp.
- 11504 Huft, M.J. (1988).** Annotations to: List of threatened plants of Middle America.
- 11505 Huft, M.J. (1987).** Four new species of *Sapium* (Euphorbiaceae) from Central and South America. *Phytologia* 63(6):441-448.
- 11530 Philcox, D. (1980).** Algumas espécies novas de Escrofulariaceas da Bahia. *Bradea* 3(8):51-56.
- 11531 Philcox, D. (1978).** A spectacular *Buchnera* (Scrophulariaceae) from Colombia. *J. Arnold Arboretum* 59(3):289-299.
- 11532 Philcox, D. (1972).** A new species of *Buchnera* (Scrophulariaceae) from Brazil. *Kew Bull.* 27(2):333-334.
- 11533 Mora-Osejo, L.E. (1988).** Annotations to: List of threatened plants of Latin America.
- 11534 Todzia, C.A. (1988).** Chloranthaceae. *Flora Neotropica*, Monograph 48. 140 pp.
- 11543 Stace, C. (1988).** Annotations to: List of threatened plants of Latin America.
- 11546 Macbride, J.F. (1936).** Flora of Peru. *Field Mus. Nat. Hist., Bot. Ser.* 13(1-5C). Continues in *Fieldiana, Bot. New Series* 5, 7, 9, 10, 11.
- 11547 Stiles, F.G. (1980).** Further data on the genus *Heliconia* (Musaceae) in northern Costa Rica. *Brenesia* 18:147-154.
- 11548 Andersson, L. (1988).** Annotation to: List of threatened plants of Latin America.
- 11550 Daniel, T.F. (1987).** Annotations to: List of threatened plants of Latin America.
- 11552 Golovanov, V.D. et al. (eds.) (1988).** Red Data Book of RSFSR, plants. Komarov, Moscow: Academy of Sciences of USSR. Botanical Institut of V.L. Rosagropromizdat. 591 pp. Col. illus., maps.
- 11558 Rohwer, J. (1987).** Annotations to: List of threatened plants of Latin America.
- 11559 Daly, D. (1988).** Annotations to: List of threatened plants of Latin America.
- 11560 Schubert, B.G. (1988).** Annotations to: List of threatened plants of Middle America.
- 11562 Bennert, H.W., Rasbach, H., Rashbach, K., & Reichstein, T. (1988).** *Asplenium x rosselloi* (= *A. balearicum* x *A. onopteris*: Aspleniaceae), a new fern hybrid from Menorca, Balearic Islands. *Willdenowia* 17:181-192.
- 11566 Chase, M. (1986).** A monograph of *Leochilus* (Orchidaceae). *Systematic Botany Monographs* 14:1-97.
- 11570 Atwood, J.T. (1987).** A new species and new combination of Costa Rican Orchidaceae. *Selbyana* 10:60-62.
- 11571 Atwood, J.T. (1987).** The vascular flora of La Selva Biological Station, Costa Rica - Orchidaceae. *Selbyana* 10(1):76-145.
- 11572 Bates, D.M. (1974).** *Fryxellia*, a new genus of North American Malvaceae. *Brittonia* 26:95-100.
- 11577 Fryxell, P.A. (1985).** Additional novelties in Mexican Malvaceae. *Syst. Bot.* 10(3):268-272.
- 11578 Fryxell, P.A. (1984).** Four new species of Malvaceae from Mexico. *Syst. Bot.* 9(4):415-422.
- 11581 Johnston, M.C. (1983).** *Anoda henricksonii* (Malvaceae), a new species from the southern Chihuahuan Desert region. *Phytologia* 53(7):451-453.
- 11582 Nelson, C. (1982).** A new *Robinsonella* (Malvaceae) from Honduras. *Phytologia* 51(6):381-383.
- 11585 Stutts, J. (1988).** Taxonomic revision of *Veronica* subsect. *Chamaedry* (Compositae: Vernonieae). *Rhodora* 90(861):37-99.
- 11589 Prance, G.T. (1987).** Annotations to: List of threatened plants of Latin America.
- 11597 Gibbs, P. (1987).** Annotations to: List of threatened plants of Latin America.
- 11598 Fryxell, P.A. (1988).** Annotations to: List of threatened plants of Middle America.
- 11607 Benl, G. (1978).** The Pteridophyta of Fernando Po. I. *Acta Bot. Barcinon.* 31:31p.
- 11610 Holtum, R.E. (1974).** Thelypteridaceae of Africa and adjacent islands. *Jl. S. Afr. Bot.* 40(2):123-168.
- 11612 Holtum, R.E. (1986).** Studies in the fern-genera allied to *Tectaria*, *Triplophyllum*, a new genus of Africa and America. *Kew Bulletin* 41(2):237-260.
- 11620 Wasshausen, D.C. (1987).** Annotations to: List of threatened plants of Latin America.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 11630 Fay, J.J. (1987). Notes on taxa on the U.S. List for which authorities are required.
- 11631 Ake Assi, L. (1988). Espèces rares et en voie d'extinction de la flore de la Côte d'Ivoire. Le cas de *Monanthonotaxis capea* (E.G. et A. Camus) Verdc. (Annonaceae). Centre National de Floristique, Université d'Abidjan. 3 p. (unpublished)6 pp.
- 11649 Sykes, W.R. & Atkinson, I.A.E. (1988). Rare and endangered plants of Norfolk Island. Wellington: DSIR, Botany Division.
- 11658 Green, T. (1988). Endangered species: another opinion. *Amer. Orchid Soc. Bull.* 57(1):29-30.
- 11675 Miller, J. (1988). A revised treatment of Boraginaceae for Panama. *Ann. Missouri Bot. Gard.* 75(2):456-521.
- 11679 van der Werff, H. (1988). Eight new species and one new combination of Neotropical Lauraceae. *Ann. Missouri Bot. Gard.* 75(2):402-419.
- 11680 Nevling, L. & Barringer, K. (1988). A new and endangered species of *Daphnopsis* (Thymeliaceae) from Ecuador. *Ann. Missouri Bot. Gard.* 75(2):728-729.
- 11699 Kral, R. (1988). The genus *Xyris* (Xyridaceae) in Venezuela and contiguous northern South America. *Ann. Missouri Bot. Gard.* 75(2):522-722.
- 11714 Lellinger, D. (1989). The ferns and fern-allies of Costa Rica, Panama and the Chocó. (Part I: Psilotaceae through Dicksoniaceae). *Pteridologia* 2A:1-364.
- 11731 Landrum, L.R. (1986). *Campomanesia*, *Pimenta*, *Blepharocalyx*, *Legrandia*, *Acca*, *Myrrhinium*, and *Luma* (Myrtaceae). *Flora Neotropica*, Monograph 45. 178 pp.
- 11733 Loizeau, P. (1988). Annotations to: List of threatened plants of Middle America.
- 11748 Muñoz Pizarro, C. (1971). Chile: plantas en extinción. Santiago: Editorial Universitaria. 248 pp. Illus., col. illus.
- 11751 Boudet, G., Lebrun, J.-P., & Demange, R. (1986). Catalogue des plantes vasculaires du Mali. Maisons Alfort, Institut d'Élevage et de Médecine Vétérinaire des Pays Tropicaux. 480 pp.
- 11793 Sita, P. (1988). Annotations to: Draft IUCN list of plant taxa of Congo.
- 11813 Johnson, D.V. (1988). Worldwide endangerment of useful palms. *Adv. Econ. Bot.* 6:268-273.
- 11815 Wu, Z. & Fu, Q. (1988). Second batch precious rare and endangered plants of China from Shaanxi. *Shaanxi Forest Sci. Tech.* 2:19-2.
- 11840 Jardín Botánico Nacional, Havana, Cuba (HAJB). (1988). Returned questionnaire: rare and threatened plants of Cuba. List has been annotated to show changes in IUCN Red Data Book Categories, deletion of taxa and name changes with a supplementary list dated August 1988.
- 11878 Croft, L., Hemmes, D.E., & Macneil, J.D. (1976). Puukohola Heiau National Historic Site plant survey. *Newsl. Hawaii. Bot. Soc.* 15(4-5):81-94.
- 11911 McDonald, A. (1988). Annotations to: List of threatened plants of Middle America. TPU list: 13 October 1988.
- 11925 Weber, A. (1988). Portraits of threatened plants 14. *Phyllagathis stonei* A. Weber. *Malay. Naturalist* 41(3-4):4-5. Illus.
- 11926 Weber, A. (1988). Portraits of threatened plants 15. *Phyllagathis magnifica* A. Weber. *Malay. Naturalist* 41(3-4):5. Illus.
- 11933 Soto Arenas, M.A. (1988). Listado actualizado de las orquídeas de México. [Updated list of the orchids of Mexico]. *Orquídea (Méx.)* 11:233-277. English summary. Lists 918 species, subspecies and varieties in 144 genera.
- 11938 Soto Arenas, M.A. & Hågsater, E. (1988). Algunas ideas acerca de la conservación de las orquídeas Mexicanas y un listado preliminar de los taxa amenazados. Unpublished. 12 pp.
- 11967 Stevens, D. (1987). Annotations to: List of threatened plants of Middle America.
- 11973 Clark, L. (1987). Two new Mesoamericana species of *Chusquea* (Poaceae: Bambusoideae). *Ann. Missouri Bot. Gard.* 74:424-427.
- 11974 Clark, L. (1985). Three new species of *Chusquea* (Gramineae: Bambusoideae). *Ann. Missouri Bot. Gard.* 72:864-873.
- 11975 Altieri, M.A. & Merrick, L.C. (1988). Agroecology and *in situ* conservation of native crop diversity in the Third World. In Wilson, E.O. (ed.). Biodiversity. Washington, D.C., National Academy Press. 361-369. Crop genetic resources.
- 11980 Mori, S.A., Prance, G.T., & Zeeuw, C. (1990). Lecythidaceae - Part II: The zygomorphic-flowered New World genera (*Couroupita*, *Corythophora*, *Bertholletia*, *Couratari*, *Eschweilera*, & *Lecythis*). With a study of secondary xylem of neotropical Lecythidaceae. *Flora Neotropica*, Monograph 21 (II). 376 pp.
- 11981 Robson, N. (1987). Annotations to: List of threatened plants of Latin America.
- 11986 Meyer, F. (1951). *Valeriana* in North America and the West Indies (Valerianaceae). *Ann. Missouri Bot. Gard.* 38:377-503.
- 11988 Stevenson, D.W. (1986). Typification of names



## Data sources for The 1997 IUCN Red List of Threatened Plants

- in *Zamia* L. and *Aulacophyllum* Regel (Zamiaceae). *Taxon* 35(1):134-144.
- 11989 Stevenson, D. (1987). Again the West Indian *Zamias*. *Fairchild Tropical Garden Bull.* July 1987:23-27.
- 11990 Williams, L.O. & Allen, P. (1954). A new *Pseudima*. *Ceiba* 4:224-225.
- 11992 Grayum, M. (1987). Annotations to: List of threatened plants of Middle America.
- 11994 Grayum, M. (1988). Annotated list of plants collected from the Manzanillo/Gandoca region.
- 11995 Hekking, W.H.A. (1988). Violaceae Part 1 - *Rinorea* and *Rinoreocarpus*. *Flora Neotropica*, Monograph 46. 207 pp.
- 11997 Grayum, M. & Nevers, G. de. (1988). New and rare understory palms from the Peninsula de Osa, Costa Rica, and adjacent regions. *Principes* 32(3):101-114.
- 11999 Burger, W. (1988). A new genus of Lauraceae from Costa Rica, with comments on problems of generic and specific delimitation within the family. *Brittonia* 40(3):275-282.
- 12001 Hickey, R. (1988). *Isoetes pallida*, a new species from Mexico. *Am. Fern J.* 78(1):35-36.
- 12007 Mickel, J. & Beitel, J. (1988). Pteridophyte flora of Oaxaca, Mexico. *Memoirs of the New York Botanical Garden* 46:1-568.
- 12013 Molina, A. (1984). New records of flowering plants for Honduras. *Ceiba* 25(2):127-133.
- 12014 MacBryde, B. (1981). Annotations to: List of threatened plants of Middle America.
- 12015 Green, P. (1980). Letter to Hugh Synge.
- 12018 Taylor, C. (1984). *Palicourea spathacea* (Rubiaceae), an unusual new species from Costa Rica. *Syst. Bot.* 9(2):226-228.
- 12020 Wussow, J., Urbatsch, L., & Sullivan, G. (1985). *Calea* (Asteraceae) in Mexico, Central America, and Jamaica. *Syst. Bot.* 10(3):241-267.
- 12029 Turner, B.L. (1986). A new species of *Galinsoga* (Asteraceae - Heliantheae), a new species from Durango, Mexico. *Phytologia* 59(2):91-92.
- 12032 Derrick, L.N., Jermy, A.C., & Paul, A.M. (1987). Checklist of European Pteridophytes. *Sommerfeltia* 6:94.
- 12036 Knapp, S. (1986). A new species of *Solanum* section *Geminata* (Solanaceae) from western Mexico. *Brittonia* 38(1):89-91.
- 12041 Almeda, F. (1983). Three new Mesoamerican species of *Miconia* (Melastomataceae). *Brittonia* 35(1):42-48.
- 12042 Prance, G.T. (1983). Additions to neotropical Dichapetalaceae. *Brittonia* 35(1):49-54.
- 12044 Soderstrom, T. & Zuloaga, F. (1985). New species of grasses in *Arberella*, *Cryptochloa* and *Raddia* (Poaceae: Bambusoideae: Olyreae). *Brittonia* 37(1):22-35.
- 12046 Wendt, T., Mori, S.A., & Prance, G.T. (1985). A new family for the flora of Mexico. *Brittonia* 37(4):347-351.
- 12053 Williams, L.O. & Standley, P.C. (1952). *Pentaplaris*, a new genus of Tiliaceae from Costa Rica. *Ceiba* 3:1:9-142.
- 12055 Wunderlin, R. (1983). Revision of the arborescent *Bauhinias* (Fabaceae: Caesalpinioideae: Cercideae) native to Middle America. *Ann. Missouri Bot. Gard.* 70:95-127.
- 12059 Forero, E. (1983). Connaraceae. *Flora Neotropica*, Monograph 36. 208p.
- 12065 Hatch, S., Valdes R., J., & Morden, C. (1986). *Stipa hirticulmis* (Poaceae: Stipeae), a new species from Nuevo Leon, Mexico. *Syst. Bot.* 11(1):186-188.
- 12066 Davidse, G., Soderstrom, T., & Ellis, R. (1986). *Pohlidium petiolatum* (Poaceae: Centothecae), a new genus and species from Panama. *Syst. Bot.* 11(1):131-144.
- 12067 Johnston, M.C. (1986). *Phyllanthus barbarae* (Euphorbiaceae), new species from southwestern Tamaulipas, Mexico. *Syst. Bot.* 11(1):35-38.
- 12068 Huft, M.J. (1985). A new *Syngonanthus* (Eriocaulaceae) from southern Mexico. *Ann. Missouri Bot. Gard.* 72:448-449.
- 12069 Castillo-Campos, G. & Lorence, D.H. (1985). *Antirhea aromatica* (Rubiaceae, Guettardeae), a new species from Veracruz, Mexico. *Ann. Missouri Bot Gard.* 72:268-271.
- 12070 Pohl, R. (1985). Three new species of *Rhipidocladum* from Mesoamerica. *Ann. Missouri Bot. Gard.* 72:272-276.
- 12071 Madrigal-Sánchez, X. & Rzedowski, J. (1988). Una especie nueva de *Diospyros* (Ebenaceae) del municipio de Morelia, estado de Michoacán (México). *Acta Botánica Mexicana* 1:3-6.
- 12079 Santos, J.U.M. (1987). *Aspilia* Th. (Compositae - Heliantheae) espécies Brasileiras ameaçadas de extinção. *Bot. Mus. Par. Emilio Goeldi, ser. Bot.* 3(2):109-117. Illus.
- 12107 Taylor, N.P. (1985). The genus *Echinocereus*. Kew, England: Royal Botanic

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Gardens. 160 pp. Col. illus.
- 12111 **Lellinger, D. (1988)**. Annotations to: List of threatened plants of Latin America.
- 12224 **Crosby Arboretum, Hattiesburg, Mississippi, USA (CROS). (1988)**. Returned questionnaire: rare and threatened carnivorous plants of the world. Notes on status of carnivorous plants in the USA.
- 12225 **Malcomber, S. (1988)**. Returned questionnaire: rare and threatened carnivorous plants of the world. Annotated with status of carnivorous plants in Borneo.
- 12238 **Amoroso, V.B. (1990)**. Some endangered economic and endemic ferns of the Philippines. pp. 15-27 in (unknown published source).
- 12249 **Wyse Jackson, P.S., Strahm, W., Cronk, Q.C.B., & Parnell, J.A.N. (1988)**. The propagation of endangered plants in Mauritius. *Moorea* 7:35-45. Map.
- 12250 **Lawesson, J.E. & Adersen, H. (1987)**. Notes on the endemic genus *Darvinothamnus* (Asteraceae-Astereae) from the Galapagos Islands. *Opera Botanica* 92:7-15. Illus., map. Includes note on conservation.
- 12346 **Lock, J.M. (1989)**. Legumes of Africa; a checklist. Kew: Royal Botanic Gardens. 619 pp. Provides IUCN conservation status for all taxa [but these categories are assigned based more on distribution than on actual conservation criteria].
- 12349 **Holtum, R.E. & Edwards, P.J. (1983)**. The tree-ferns of Mount Roraima and neighbouring areas of the Guayana Highlands with comments on the family Cyatheaceae. *Kew Bull.* 38(2):155-188. Illus.
- 12379 **Arce, S.J.P., Estenssoro, C.S., & Ergueta, S.P. (1987)**. Diagnóstico del estado de la flora, fauna y comunidades importantes para la conservación. Bolivia, La Paz. Centro de Datos para la Conservación. 98 pp.
- 12382 **López, J. & Little, E.L. (1987)**. Árboles comunes del Paraguay. Washington, DC: Peace Corps. 425 pp.
- 12437 **FLORUTIL. (1988)**. Threatened Cactaceae of the U.S./Mexico border states. Phoenix, Arizona, Desert Botanical Garden. 4 pp.
- 12468 **Centro de Datos para la Conservación. (1986)**. Lista preliminar de plantas especiales. Limón, Peru: Centro de Datos para la Conservación. 19 pp. Unpublished list. 19 December 1986.
- 12469 **Backeberg, C. (1966)**. Das Kakteenlexicon: enumeratio diagnostica Cactacearum. Fischer. 741 pp. Illus., col. illus., maps.
- 12470 **Luer, C.A. (1987)**. Icones Pleurothallidarum IV. Systematics of *Acostaea*, *Condylago*, *Porroglossum*. *Monographs in Systematic Botany* 24:1-91. Illus.
- 12471 **Schutzman, B., Vovides, A., & Dehgan, B. (1988)**. Two new species of *Zamia* (Zamiaceae, Cycadales) from southern Mexico. *Bot. Gaz.* 149(3):347-360.
- 12472 **Gentry, A.H. (1988)**. Annotations to list of threatened plants of Latin America.
- 12473 **Lasser, T. (ed.). (1964)**. Flora of Venezuela. Caracas, Instituto Botánico. 13 vols so far.
- 12476 **McPherson, G. (1988)**. A new species of *Vantanea* (Humiriaceae) from Panama. *Ann. Missouri Bot. Gard.* 75(3):1148-1149.
- 12477 **Zamora, N. & Poveda, L. (1988)**. Una nueva especie de *Caryodaphnopsis* Airy Shaw (Lauraceae) para la región neotropical. *Ann. Missouri Bot. Gard.* 75(3):1160-1166.
- 12478 **Zamora, N. & Poveda, L. (1988)**. Una nueva especie de *Guettarda* L. (Rubiaceae, Guettardeae) para Costa Rica. *Ann. Missouri Bot. Gard.* 75(3):1157-1159.
- 12480 **Webster, G. & Huft, M.J. (1988)**. Revised synopsis of Panamanian Euphorbiaceae. *Ann. Missouri Bot. Gard.* 75(3):1087-1144.
- 12482 **Fernández, R. (1986)**. Propuesta y actualización de la lista de especies de flora y fauna silvestre clasificadas con fines de protección. Unpublished. 16 June 1986.
- 12491 **Jerry, A.C. (1989)**. Annotations to: New World tree-fern list.
- 12495 **Thompson, D. (1988)**. Systematics of *Antirrhinum* (Scrophulariaceae) in the New World. *Systematic Botany Monographs* 22:1-142.
- 12496 **Taylor, N.P. (1988)**. Supplementary notes on Mexican *Echinocereus* (1). *Bradleya* 6:65-84.
- 12497 **Hamer, F. (1988)**. Orchids of Central America. An illustrated field guide (A-L). *Selbyana* 10(Suppl.):1-430.
- 12516 **Turner, B.L. (1986)**. Two new species of *Ageratina* (Asteraceae - Eupatorieae) from Durango, Mexico. *Phytologia* 61(2):77-79.
- 12529 **Taylor, N.P. (1989)**. Annotations to: DS 12437 FLORUTIL (1988). Threatened Cactaceae of the U.S./Mexico border states.
- 12544 **Latiff, A. & Mat Salleh, K. (1989)**. Pers. comm.
- 12612 **Tryon, R. (1976)**. A revision of the genus *Cyathea*. *Contrib. Gray Herb.* 206:19-98. Illus., maps.
- 12615 **Gastony, G.J. (1973)**. A revision of the fern genus *Nephelea*. *Contrib. Gray Herb.* 203:81-148. Illus., maps.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 12616 Tryon, R. (1980).** Annotations to: TPU list. (*Méx.*). 9(2):198-202.
- 12617 Walker, T.G. (1966).** A cytotoxic survey of the pteridophytes of Jamaica. *Trans. Roy. Soc. Edinb.* 66:169-237.
- 12618 Maguire, B. et al. (1978).** The botany of the Guayana highland - part X. *Memoirs of the New York Botanical Garden* 29:1-288.
- 12619 Tryon, R. (1971).** The American tree ferns allied to *Sphaeropteris horrida*. *Rhodora* 73(793):1-18. Illus.
- 12621 Windisch, P.G. (1977).** Synopsis of the genus *Sphaeropteris* (Cyatheaceae) with a revision of the neotropical exindusiate species. *Bot. Jahrb.* 98(2):176-198. Illus., maps.
- 12622 Riba, R. (1967).** New taxa in the genus *Alsophila*. *Rhodora* 69(777):65-69. Illus.
- 12625 Stolze, R.G. (1974).** A taxonomic revision of the genus *Cnemidaria* (Cyatheaceae). *Fieldiana (Bot.)* 37:1-98. Illus., maps.
- 12732 Wycherley, P.R. (1989).** Letter to Dr Wyse Jackson. Comments and returned questionnaire on the rare and threatened carnivorous plants of the world in cultivation.
- 12755 Anon. (1989).** Ten-year review proposal to delist *Alocasia zebрина* from Appendix I. Data sheet for CITES.
- 12756 Anon. (1989).** Ten-year review proposal to delist *Alocasia sanderiana* from Appendix I. Data sheet for CITES.
- 12777 Molau, U. (1988).** Scrophulariaceae - Part 1. Calceolariae. *Flora Neotropica Monograph* No.47.
- 12779 Catling, P. & Catling, V. (1988).** An annotated list of the orchids of Belize. *Orquidea (Méx.)* 11:85-102.
- 12780 Heinrich, J. & Goldblatt, P. (1990).** Mesoamerican Iridaceae I. Unpublished. 31p. For publication in *Flora Mesoamericana*.
- 12781 Salazar, C.G. (1988).** *Mormodes tuxtlenensis*, nueva especie de Veracruz, México. *Orquidea (Méx.)* 11:51-62.
- 12783 Meerow, A. (1989).** Systematics of the Amazon lilies, *Eucharis* and *Caliphruria* (Amaryllidaceae). *Ann. Missouri Bot. Gard.* 76(1):136-220.
- 12787 Gibson, A. & Horak, K. (1978).** Systematic anatomy and phylogeny of Mexican columnar cacti. *Ann. Missouri Bot. Gard.* 65:999-1057.
- 12788 Castaño, R., Hagsater, E., & Aguirre, L.E. (1984).** *Phragmipedium exstaminodium*: a new species from Chiapas, Mexico. *Orquidea*
- 12804 Gruezo, W.S. & Fernando, E.S. (1985).** Notes on *Phoenix hanceana* var. *philippinensis* in the Batanes Islands, Philippines. *Principes* 29(4):170-176. Illus.
- 12838 Gunatilleke, I.A.U.N. & C.V.S. (1991).** Threatened woody endemics of the wet lowlands of Sri Lanka and their conservation. *Biological Conservation* 55(1):17-36.
- 12840 Ekim, T., Koyuncu, M., Erik, S., & Ilarslan, R. (eds.) et al. (1989).** Türkiye'nin tehlike altındaki nadir ve endemik bitki türleri. (Serie no: 18). [List of rare, threatened and endemic plants in Turkey prepared according to IUCN Red Data Book categories]. Ankara: Türkiye Tabiatını Koruma Derneği [Turkish Association for the Conservation of Nature and Natural Resources]. 227 pp. Tu (En).
- 12844 Anon. (1989).** Liste des taxons necessitant une action de protection prioritaire. Mimeo.
- 12848 FAO Regional Office for Asia and the Pacific. (1985).** Dipterocarps of South Asia. Bangkok: FAO. 321 pp. (Rapa Monograph 1985/4).
- 12850 Kostermans, A.J.G.H. (ed.). (1987).** Proceedings of the Third Round Table Conference on Dipterocarps. Jakarta: Unesco. 657 pp. Papers presented at an international conference held at Mulawarman Univ., Samarinda, E. Kalimantan, 16-20 April 1985. Includes conservation.
- 12921 Latiff, A. (1989).** Portraits of threatened plants 19. *Ampelocissus floccosa* (Ridl.) Galet. *Malay. Naturalist* 42(2-3):3-5. Illus.
- 12936 Kiew, R. (1989).** Lost and found - *Begonia eiromischa* and *Begonia rajah*. *Nature Malaysiana* 14(2):64-67. Col. illus., map.
- 12947 Smitinand, T. & Santisuk, T. (1981).** Dipterocarpaceae of Thailand with special reference to silvicultural ecology. *Malaysian For.* 44(2-3):377-385.
- 12948 White, F. (1988).** The taxonomy, ecology and chorology of African Ebenaceae. II. The non-Guineo-Congolian species of *Diospyros* (excluding sect. *Royena*). *Bull. Jard. Bot. Nat. Belg.* 58:325-448.
- 12983 Erfurth, T. & Rusche, H. (1976).** The marketing of tropical wood. C. Wood species from Southeast Asian tropical moist forests. FO: MISC/76/8.
- 13102 White, F. (1978).** The taxonomy, ecology and chorology of African Ebenaceae. I. The Guineo-Congolian species. *Bull. Jard. Bot. Nat. Belg.* 48:245-358.
- 13153 Packer, J.G. & Bradley, C.E. (1984).** A checklist of the rare vascular plants in Alberta. *Prov. Mus. Alta. Nat. Hist. Occ. Paper* No. 5.
- 13154 Taylor, R.L., Straley, G.B., & Douglas, G.W. (1985).** The rare vascular plants of British

**Data sources for The 1997 IUCN Red List of Threatened Plants**

- Columbia. *Sylogus* 59:165.
- 13294 Wang, S. et al. (1988). [The present state of preservation of the precious, rare and threatened plants in Hubei, as well as the proposition for studying further these plants]. *J. Wuhan Bot. Res.* 6(3):285-298. Ch (En).
- 13336 Kelly, D.L. (1988). The threatened flowering plants of Jamaica. *Biological Conservation* 46(3):201-216. Maps. Includes list of threatened species.
- 13351 Schembri, P.J. & Sultana, J. (eds.). (1989). Red Data Book for the Maltese Islands. Malta: Department of Information. 142 pp. Col. illus.
- 13378 Given, D.R. (1988). Rare and endangered plants - protection and conservation. In Proceedings of the New Zealand Parks and Recreation Admin. Conference. 1987. 151-165.
- 13640 Colorado Native Plant Society. (1989). Rare plants of Colorado. Estes Park: Colorado, Rocky Mountain National Park. 75 pp. Data on 92 threatened plants; introductory chapters on plant communities and habitats. Col. illus.
- 13662 Wraber, T. & Skoberne, P. (1989). Rdeci seznam ogrozenih praprotnic in semenk SR Slovenije. [The Red List of threatened vascular plants in Socialist Republic of Slovenia]. *Varstvo Narave* 14-15:429. maps.
- 13712 Plowman, T. (1987). Provisional list of endangered species of neotropical *Erythroxylum*. Unpublished list, 4 p. (unpublished).
- 13713 Maas, P.J.M. & van Setten, A.K. (1987). Annotations to: List of threatened plants of Latin America. TPU list: 16 December 1987.
- 13766 Simpson, B. (1979). A revision of the genus *Polylepis* (Rosaceae: Sanguisorbeae). *Smithsonian Contrib. Bot.* 43:1-62.
- 13769 Maas, P.J.M. & Westra, L.Y. Th. (1985). Studies in Annonaceae II. A monograph of the genus *Anaxagorea* A. St. Hil. *Bot. Jahrb. Syst.* 105(2):145-204. Part 2.
- 13771 Maas, P.J.M. & Westra, L.Y.Th. (1986). Studies in Annonaceae. V. Additional notes on *Anaxagorea* A. St. Hil. *Proc. Kon. Ned. Akad. Wetensch. Ser. C.* 89(1):75-82.
- 13773 Maas, P.J.M. et al. (1990). Studies in Annonaceae. IX. New species from the Neotropics and miscellaneous notes. *Proc. Kon. Ned. Akad. Wetensch. Ser. C.*
- 13774 Fries, R.E. (1934). Revision der Arten einiger Anonaceen-Gattungen, III. *Acta Horti. Berg.* 12(1):1-220.
- 13776 Morawetz, W. & Maas, P.J.M. (1984). Notes on the systematics of the Amazonian genus *Guatterella* (Annonaceae). *Pl. Syst. Evol.* 148:19-23.
- 13777 Fries, R.E. (1939). Revision der Arten einiger Anonaceen-Gattungen, V. *Acta Horti Berg.* 12(3):289-577.
- 13780 Forest Management Bureau. (1988). Natural forest resources of the Philippines. Department of Environment and Natural Resources. Manila. 62 pp. Report of Philippine-German Forest Resources Inventory Project.
- 13781 Fries, R.E. (1937). Revision der Arten einiger Anonaceen-Gattungen, IV. *Acta Horti Berg.* 12(2):221-288.
- 13782 Fries, R.E. (1930). Revision der Arten einiger Anonaceen-Gattungen, I. *Acta Horti Berg.* 10(1):1-128.
- 13783 Fries, R.E. (1957). New species of Annonaceae from the Upper Amazon Basin. *Ark. Bot. n.s.* 3(18):599-606.
- 13784 Maas, P.J.M. et al. (1990). Monograph of *Rollinia*. To be published in *Flora Neotropica*.
- 13785 Fries, R.E. (1941). Neue amerikanische Annonaceen. *Acta Horti Berg.* 13(3):103-116.
- 13786 Westra, L.Y. Th. (1985). Studies in Annonaceae, IV. A taxonomic revision of *Tetrameranthus* R.E. Fries. *Proc. Kon. Ned. Akad. Wetensch. Ser. C.* 88(4):449-482.
- 13787 Maguire, B. et al. (1953). The botany of the Guyana Highlands. *Memoirs of the New York Botanical Garden.* 12 parts, 1953.
- 13791 McDonald, A. (1987). Revision of *Ipomoea* section *Exogonium* (Choisy) Griseb. (Convolvulaceae). *Brenesia* 28:41-87.
- 13825 Judziwicz, E.J. (1989). Pygmy bamboos: a critically endangered group. *Species* 12:31-32.
- 13826 Soderstrom, T. & Zuloaga, F. (1989). A revision of the genus *Olyra* and the new segregate genus *Parodiolyra* (Poaceae: Bambusoideae: Olyreae). *Smithsonian Contrib. Bot.* 69:1-79.
- 13827 Judziwicz, E. & Soderstrom, T. (1989). Morphological, anatomical, and taxonomic studies in *Anomochloa* and *Streptochaeta* (Poaceae: Bambusoideae). *Smithsonian Contrib. Bot.* 68:1-52.
- 13828 Ochoa, C. (1988). *Solanum bill-hookeri*: new wild potato species from Peru. *American Potato J.* 65:737-740.
- 13830 Martinelli, G. & Leme, E. (1989). Rare bromeliads from Brazil. No. 3: *Lymania corallina*. *J. Bromeliad Soc.* 39(5):217-220.
- 13831 Rauh, W. (1989). *Pitcairnia billbergioides*. *J. Bromeliad Soc.*

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 39(5):195-196. Laboratory Madison, Wisconsin: United States Department of Agriculture. 464 pp. Illus.
- 13833 Madulid, D.A. (1987).** A checklist of the rare, endemic and endangered plants of Palawan. *Philippine Scient.* 24:55-66.
- 13845 Ashton, P.S. (1990).** Annotations to: conservation status listings for Dipterocarpaceae. TPU printout dated 8 November 1989; annotated on 5 March 1990.
- 13864 Mori, S.A. (1977).** *Eschweilera costaricensis* (Lecythidaceae): a new species for the floras of Costa Rica and Nicaragua. *Ann. Missouri Bot. Gard.* 74(2):455-456.
- 13865 Fryxell, P.A. (1979).** Taxonomic notes on Chiapas Malvaceae. *Syst. Bot.* 4(3):253-256.
- 13866 Miller, J.S. (1987).** Two new species of *Cordia* (Boraginaceae) from Central America. *Ann. Missouri Bot. Gard.* 74:670-673.
- 13867 Kelly, D.L. & Burke, D. (1990).** Endemic flowering plants of Jamaica under threat: a fresh report. 30 pp. Map. School of Botany, Trinity College, University of Dublin, Dublin 2, Ireland.
- 13868 Malcomber, S. (1989).** Additions to the TPU list of *Nepenthes*, particularly the species of Northern Borneo, based on field knowledge attained between June 1986 and September 1987.
- 13873 Ridley, H.N. (1922).** The Flora of the Malay Peninsula. London: Reeve. 5 vols. 1922-1925.
- 13875 Benoit, C.I. (ed.). (1989).** Red list of Chilean terrestrial flora. (Part One). Santiago: Chilean Forestry Service (CONAF). 151 pp. Illus., col., map. Book corresponds to an updated edition of the proceedings of the symposium "Chilean Threatened Native Tree and Shrub Flora". Chilean Forest Service. Aug. 27-30, 1985, Santiago, Chile.
- 13882 Butt, L.P. (1990).** An introduction to the genus *Cycas* in Australia. Palm and Cycad Society of Australia. 55p. Illus., col. illus.
- 13883 Nayar, M.P. & Sastry, A.R.K. (eds.). (1988).** Red Data Book of Indian Plants. Vol. 2. Calcutta: Botanical Survey of India. 268 pp. Illus., col. illus.
- 13892 Weeda, E.J., Mayden, R., & Bakker, P.A. van der. (1990).** Floron Lijst van de in Nederland verdwenen en bedreigde planten (Pteridophyta en Spermatophyta) over de periode 1.1.1980-1.1.1990. [FLORON Red Data List 1990. Red Data List of the extinct, endangered and vulnerable plants in the Netherlands in the period 1980-1990]. *Gorteria.* 16(1):26p. Du (En).
- 13924 Songwe, C. (1990).** Revised preliminary list of timbers of Cameroon with conservation categories.
- 13926 Whitmore, T.C. (1990).** Comments on Draft Listing of Tropical Timbers of Peninsular Malaysia.
- 13928 Chudnoff, M. (1984).** Tropical timbers of the world. (Agriculture Handbook no. 607). Forest Products
- 13954 Dowe, J.L. (ed.). (1989).** Palms of the South-West Pacific. Their origin, distribution and description. Milton, Qsd, Australia: The Publication Fund, Palm and Cycad Societies of Australia. 198 pp.
- 13955 Nguyen Nghia Thin. (1991).** List of palms rare and endangered species of Indochina.
- 13967 Argus, G. & Pryer, K. (1990).** Rare vascular plants in Canada. Our natural heritage. Ottawa: Canadian Museum of Nature. 191 pp. Maps.
- 13988 El-Hadidi, M., Batanouny, K., & Fahmy, A. (1991).** The Egyptian plant red data book. Vol. 1: Trees and shrubs. Cairo: UNEP. 226 pp. Illus., map. Lists 36 Endangered, 38 Vulnerable, 8 Indeterminate, 11 Rare and 8 Extinct species.
- 14000 ECE. (1989).** Draft European Red List of threatened animals and plants. Addendum 3: Non-endemic vascular plants. 12 pp. With annotations of changes to the draft red list.
- 14010 Mabberley, D.J. (1987).** The plant-book. A portable dictionary of the higher plants. Cambridge, England: Cambridge University Press. 707 pp.
- 14011 Willis, J.C. (1973).** A dictionary of the flowering plants and ferns. (Eighth ed.). Cambridge: Cambridge University Press. 1245 pp.
- 14043 Kiew, R. (1989).** Conservation status of Palms in Peninsular Malaysia. *Malayan Naturalist* 43(1-2):3-15. Illus.
- 14068 Lamb, A. (1990).** The conservation of orchids in east Malaysia. Paper presented at the symposium on the 'State of Nature Conservation in Malaysia' August 24-26 1990, Kuala Lumpur. 26 pp.
- 14071 Ekim, T. (1990).** Letters to Chris Leon concerning Bern Convention - revision of Appendix I. With data sheets.
- 14107 Garnett, W. (1990).** Plants in the national collection of the Center for Plant Conservation growing at Waimea Arboretum and Botanical Garden (endemic to Hawaii unless otherwise stated). *Notes from Waimea Arboretum and Botanical Garden* 17(2):4-10.
- 14155 Anon. (no date).** Annotated printout of Bern Convention - revision of Appendix I. 175 pp.
- 14161 Caixinhas, M.L., Almeida, M.T., & Vasconcelos, T. (1989).** Letter to Chris Leon concerning Bern Convention - Revision of Appendix I. With a list of plant species 'Vulnerable' in Europe and present in Portugal.
- 14166 Anon. (1990).** Revised Appendix I of Bern Convention - working document. Non-endemic taxa.
- 14177 Anon. (no date).** Revised Appendix I (Bern Convention) - (working document #2). Endemic taxa.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 14182 Whitmore, T.C. & Tantra, I.G.M. (eds.). (1986). Tree flora of Indonesia. Checklist for Sumatra. Bogor, Indonesia: Forest Research and Development Centre. 381 pp. Keys. Illus.
- 14184 Whitmore, T.C., Tantra, I., & Sutisna, U. (eds.). (1989). Tree flora of Indonesia. Checklist for Kalimantan. Part II. 1. Bogor, Indonesia: Forest Research and Development Centre. 429 pp.
- 14185 Whitmore, T.C., Tantra, I.G.M., & Sutisna, U. (eds.). (1989). Tree flora of Indonesia. Checklist for Sulawesi. Bogor, Indonesia: Forest Research and Development Centre. 204 pp. Keys. Illus.
- 14188 Yves, J. (1990). Letter to Chris Leon from the Conservation Botanique de Brest concerning threatened plants in France. With notes on various French endemics and subendemics.
- 14197 Ekim, T., Koyuncu, M., Guner, A., & Vural, M. (1990). Conservation summary. Turkish species.
- 14198 Pinto da Silva, A.R. (1981). Plantas em perigo - Jasionas. Boletim da Comissao Nacional do Ambiente, Ano V, Nr.4 - Anexo.
- 14209 Wagner, W., Herbst, D., & Sohmer, S. (1990). Manual of the flowering plants of Hawaii. Honolulu: University of Hawaii Press, Bishop Museum Press. 1853 pp. 2 vols. Illus.
- 14220 Coode, M. (1982). Pers. comm., 1982. Kew.
- 14222 Lesouef, J. (1981). Annotations to BGCCB list for the South Atlantic.
- 14223 Briggs, J.D. & Leigh, J.H. (1988). Rare or threatened Australian plants. Revised Edition. Australian National Parks and Wildlife Service. 277 pp. Illus., map.
- 14224 Powell, D. (1983). Letter to S. Davis. 8th August. Lists 16 plants endemic to Christmas Island.
- 14225 Green, P. (1982). Pers. comms. in 1982.
- 14226 Leigh, J.H. (1982). Letter to TPU, 13 May 1982.
- 14227 Leigh, J.H. (1980). Annotations to TPU list of threatened plants for Lord Howe Island.
- 14229 Broggi, M.F. & Waldburger, E. (1984). Rote Liste der gefährdeten und seltenen Gefasspflanzenarten des Fürstentums Liechtenstein. [Red List of rare and threatened vascular plants of the Principality of Liechtenstein]. Vaduz: Buch- und Verlagsdruckerei AG. 40 pp. Col. illus.
- 14230 Meikle, R.D. (1977-1985). Flora of Cyprus. Kew, UK: Bentham-Moxon Trust, Royal Botanic Gardens, Kew. 1969 pp. 2 vols.
- 14233 Coode, M. (1976). Pers. comm., 1976. Kew.
- 14234 Dupont, J., Girard, J.-C., & Guinet, M. (1989). Flore en détresse: Le Livre Rouge des plantes indigènes menacées à la Réunion. [Plants in distress: Red list of threatened plants endemic to the Reunion]. SREPEN & Région Réunion Conseil Régional. 133 pp. Covers 47 threatened taxa. Col. illus., line drawings.
- 14236 Hodel, D.R. (1991). Annotations to: list of threatened palms of Latin America. TPU list.
- 14242 Hodel, D.R. (1990). New species and notes on related taxa in *Chamaedorea* subgenus *Stephanostachys*. *Principes* 34(4):160-176.
- 14244 Moran, R.C. (1995). Flora Mesoamericana. (Pteridophytes).
- 14245 Martínez, G.J. & McDonald, J. (1989). *Nowickea* (Phytolaccaceae), a new genus with two new species from Mexico. *Brittonia* 41(4):399-403.
- 14247 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1985). Notas sobre las Cactáceas de Mesoamérica XI. *Cact. Suc. Mex.* 30(4):91-96.
- 14248 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1985). Notas sobre las Cactáceas de Mesoamérica X. *Cact. Suc. Mex.* 30(3):67-68.
- 14249 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1985). Notas sobre las Cactáceas de Mesoamérica VIII. *Cact. Suc. Mex.* 30(1):12-24.
- 14252 Lopresti, V. (1984). *Corypantha robbinsorum* in Mexico. *Cact. Suc. Mex.* 29(4):81-83.
- 14253 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1984). Datos preliminares acerca de las Cactáceas en Mesoamérica VII. *Cact. Suc. Mex.* 29(4):88-91.
- 14254 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1984). Notas sobre las Cactáceas de Mesoamérica VII. *Cact. Suc. Mex.* 29(3):65-72.
- 14255 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1984). Datos preliminares acerca de las Cactáceas de Mesoamérica. *Cact. Suc. Mex.* 29(1):11-12.
- 14257 Glass, C. & Foster, R. (1974). *Astrophytum myriostigma* Lem. var. *cuadricostatum*. *Cact. Succ. J.(U.S.)* 46(3):112.
- 14258 Kimmach, M. (1959). Icones plantarum succulentarum: *Disocactus quezaltecus* (Standley et Steyermark) Kimm. *Cact. Succ. J.(U.S.)* 31(5):137-140.
- 14260 Bravo-Hollis, H. & Sánchez-Mejorada, H. (1985). Notas sobre las Cactáceas de Mesoamérica. *Cact. Suc. Mex.* 30(2):38-48.
- 14262 Glass, C. & Foster, R. (1984). Cacti and succulents for the amateur. *Cact. Succ. J.(U.S.)* 56(4):158-159.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 14264 Taylor, N.P. (1984). A review of *Ferocactus* Br. et R. *Bradleya* 2:19-38.
- 14265 Glass, C. & Foster, R. (1971). *Mammillaria fitzkau*, a new species from the state of Jalisco. *Cact. Succ. J. (U.S.)* 43(3):115-117.
- 14267 Craig, R.T. (1945). The *Mammillaria* Handbook. Pasadena, California: Abbey Garden Press. 390 pp.
- 14269 Fitz Maurice, W.A. (1988). Fieldnotes. *Cact. Succ. J. (U.S.)* 60(2):72-75.
- 14271 Glass, C. & Foster, R. (1979). New nomenclatural combinations in the Cactaceae. *Cact. Succ. J. (U.S.)* 51(3):123-126.
- 14273 Glass, C. & Foster, R. (1977). A revision of the genus *Turbincarpus* (Backbg.) Buxb. et Backbg. *Cact. Succ. J. (U.S.)* 49(4):163-179.
- 14279 Perry, J.P. (1991). The pines of Mexico and Central America. Portland: Timber Press. 231 pp. Maps, illus.
- 14280 Glass, C. & Foster, R. (1980). The succulents of San Luis Potosí: the southern edge of the Chihuahuan Desert. *Cact. Succ. J. (U.S.)* 52(1):40-43.
- 14281 Anderson, E.F. (1986). A revision of the genus *Thelocactus* Br. et R. (Cactaceae). *Bradleya* 5:49-76.
- 14288 Leigh, J.H., Briggs, J., & Hartley, W. (1981). Rare or threatened Australian plants. Australian National Parks and Wildlife Service. 178 pp.
- 14290 Puente, M.R. (1992). El género *Opuntia* (Cactaceae) en el Valle de San Luis Potosí, San Luis Potosí. Universidad Autónoma de San Luis Potosí, Escuela de Agronomía, México. 156 pp. Instituto de Investigación de Zonas Desérticas.
- 14291 Luer, C.A. (1990). Icones Pleurothallidarum VII. Systematics of *Platystele*. *Monographs in Systematic Botany* (Missouri Botanical Garden) 38:1-135.
- 14292 Almeda, F. (1989). *Tessmannianthus*, an arborescent genus of Melastomataceae new to Panama. *Ann. Missouri Bot. Gard.* 76(1):1-6.
- 14293 Martínez, E. & Ramos, C.H. (1989). Lacandoniaceae (Triuridales): una nueva familia de México. *Ann. Missouri Bot. Gard.* 76(1):128-135.
- 14294 González Elizondo, S. (1991). Annotations to: List of threatened plants of Middle America. TPU list: 10 May 1991.
- 14296 Robertson, S.A. (1989). Flowering plants of the Seychelles. Royal Botanic Gardens, Kew. 327 pp. Annotated checklist, including gymnosperms. (Manuscript prepared by 1982, later additions in Addenda on pages 301-306).
- 14301 Imada, C.T., Wagner, W.L., & Herbst, D.R. (1989). Checklist of native and naturalized flowering plants of Hawai'i. *Bishop Museum Occasional Papers* 29:1-87.
- 14344 Clark, L. (1989). Systematics of *Chusquea* Section *Swallenchloa*, Section *Verticillatae*, Section *Serpentes*, and Section *Longifoliae* (Poaceae - Bambusoideae). *Systematic Bot. Monographs* 27:1-127.
- 14346 Argus, G.W. (1986). *Salix raupii*, Raup's willow, new to the flora of Alberta and the Northwest Territories. *Canadian Field-Naturalist* 100:386-388.
- 14352 Argus, G.W. & Pryer, D.J. (1982-1987). Atlas of the rare vascular plants of Ontario. 4 parts. Ottawa: National Museum of Natural Sciences.
- 14354 Argus, G.W. & Steele, J.W. (1979). A reevaluation of the taxonomy of *Salix tyrrellii*, a sand dune endemic. *Systematic Botany* 4:163-177.
- 14360 Blondeau, M. & Cayouette, J. (1987). Extensions d'aires dans la flore vasculaire du Nouveau-Québec. *Naturaliste Canadien* 114:117-126.
- 14362 Boivin, B. (1972). Flora of the prairie provinces. Part III. Connatae. *Provancheria* 4. Quebec: Université Laval. 224 pp.
- 14366 Bouchard, A., Brouillet, L., Hay, S., & Saucier, I. (1987). The rare vascular plants of Newfoundland. (Progress report). Quebec: Institut Botanique de l'Université de Montréal. 12 pp.
- 14393 Catling, F.M. (1987). Preliminary list of the rare vascular plants of Prince Edward Island. Biosystematics Research Centre, Agriculture Canada.
- 14394 Catling, P.M., Freedman, B., & Lucas, Z. (1984). The vegetation and phytogeography of Sable Island, Nova Scotia. *Proceedings of the Nova Scotia Institute of Science* 34:181-247.
- 14397 Ceska, O., Ceska, A., & Warrington, P. (1986). *Myriophyllum quitense* and *Myriophyllum ussuriense* (Haloragaceae) in British Columbia, Canada. *Brittonia* 38:73-81.
- 14409 Douglas, G.W. (1982). The sunflower family of British Columbia. Vol. 1 - Senecioneae. British Columbia Provincial Museum. 180 pp.
- 14410 Douglas, G.W. & Packer, J.G. (1988). *Erigeron salishii*, a new *Erigeron* (Asteraceae) from British Columbia and Washington. *Canadian Journal of Botany* 66:414-416.
- 14414 Fabijan, D.M., Packer, J.G., & Denford, K.E. (1987). The taxonomy of the *Viola nutallii* complex. *Canadian Journal of Botany* 65:2562-2580.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 14419 Ford, B.A. & Ball, P.W. (1988). A reevaluation of the *Triglochin maritimum* complex (Juncaginaceae) in eastern and central North America and Europe. *Rhodora* 90:313-337.
- 14430 Gentry, J.R. & Carr, R.L. (1976). A revision of the genus *Hackelia* (Boraginaceae) in North America, north of Mexico. *Memoirs of the New York Botanical Garden* 26(1):280-292.
- 14438 Harris, J.G. (1985). A revision of the genus *Braya* (Cruciferae) in North America. Ph.D. thesis. Edmonton: University of Alberta. 250 pp.
- 14474 Klinckenberg, B. (1986). Status report on the dwarf hackberry, *Celtis tenuifolia*. Committee on the Status of Endangered Wildlife in Canada. Ottawa: Canadian Wildlife Service. 31 pp.
- 14480 Kott, L. & Britton, D.M. (1983). Spore morphology and taxonomy of *Isoetes* in northeastern North America. *Canadian Journal of Botany* 61:3140-3163.
- 14501 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; *Astragalus bibullatus* (Guthrie's ground-plum) determined to be endangered. *Federal Register* 56(187):48748-48751.
- 14511 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; proposed endangered status for the plant *Isoetes louisianensis* (Louisiana quillwort). Proposed rule. *Federal Register* 58(203):52500-52503.
- 14512 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; proposed endangered status for the plant *Clematis morefieldii* (Morefield's leather flower). Proposed rule. *Federal Register* 58(203):52503-52506.
- 14526 Lahti, T., Kempainen, E., Kurtto, A., & Uotila, P. (1991). Distribution and biological characteristics of threatened vascular plants in Finland. *Biological Conservation* 55:299-314.
- 14581 House, D.E. (1987). Recovery plan for Navajo sedge (*Carex specuicola* J.T. Howell). Albuquerque, NM: U.S. Fish and Wildlife Service. 39 pp.
- 14594 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Swamp pink (*Helonias bullata*) recovery plan. Newton Corner, Massachusetts: U.S. Fish and Wildlife Service. 56 pp. Map.
- 14621 Poole, J.M. (1987). Recovery plan for the ashly dogweed (*Thymophylla tephroleuca*). Approved plan. Albuquerque, NM: U.S. Department of the Interior. Fish and Wildlife Service. 46 pp.
- 14662 Center for Plant Conservation (CPC). (1990). Printout of CPC's data for North American plants.
- 14664 Anon. (no date). Fundação biodiversitas.
- 14665 Johnson, D.V. (ed.). (1991). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema. 258 pp.
- 14695 Hall, A.V., de Winter, M., de Winter, B., & van Oosterhout, S.A.M. (no date). Threatened plants of Southern Africa. A report for the Committee for Terrestrial Ecosystems National Programme for Environmental Sciences. Pretoria: CSIR. South African National Scientific Programmes Report No. 45.
- 14701 Kiew, R. (1991). Palm utilization and conservation in Peninsular Malaysia. pp. 75-130 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14703 Pearce, K.G. (1991). Palm utilization and conservation in Sarawak (Malaysia). pp. 131-173 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14704 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; proposed threatened status for the plant *Thelypteris pilosa* var. *alabamensis* (Alabama streak-sorus fern). *Federal Register* 56(230):60957-60961.
- 14708 Dixit, R.D. (1983). Rare and interesting Pteridophytes of India. pp. 328-334 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14711 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; determination of endangered status for *Scirpus ancistrochaetus* (northeastern bulrush). *Federal Register* 56(88):21091-21096.
- 14712 Dransfield, J. & Johnson, D. (1991). The conservation status of palms in Sabah (Malaysia). pp. 175-179 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14720 Mehrotra, A. (1983). Studies on endemism and rarity in the family Ericaulaceae in India. pp. 279-282 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14721 Chandra, V. (1983). Notes on endangered species of *Scleria* in India. pp. 276-278 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14722 Agrawal, S. (1983). Some rare gentians. pp. 272-275 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.



## Data sources for The 1997 IUCN Red List of Threatened Plants

- 14723 Bahadur, K.N. & Jain, S.S. (1983).** Rare bamboos of India. pp. 265-271 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14724 Prakash, V. & Jain, S.K. (1983).** Tribe Isacjineae (Poaceae) - its endemism and rarity in India. pp. 256-264 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14726 Madulid, D.A. (1991).** The Philippines: Palm utilization and conservation. pp. 181-225 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14727 Sivadasan, M. (1983).** Threatened species of Indian Araceae. pp. 251-255 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14732 Sastry, A.R.K. & Hajra, P.K. (1983).** Rare and endemic species of Rhododendron in India - A preliminary study. pp. 222-231 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Botanical Survey of India.
- 14736 Balakrishnan, N.P. & Vasudeva Rao, M.K. (1983).** The dwindling plant species of Andaman and Nicobar Islands. pp. 186-202 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14750 Prance, G.T. (1991).** Annotations to: List of threatened plants in Chrysobalanaceae, Dichapetalaceae, and Lecythidaceae.
- 14761 Shah, N.C. (1983).** Endangered medicinal & aromatic taxa of U.P. Himalaya. An assessment of threatened plants of India. pp. 40-49 *In* Botanical Survey India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14768 Dhar, U. & Kachroo, P. (1983).** Some remarkable features of endemism in Kashmir Himalayas. pp. 18-22 *In* An assessment of threatened plants of India. Naba Mudran Private Limited, Calcutta, India: Director, Botanical Survey of India.
- 14774 U.S. Department of the Interior. Fish and Wildlife Service. (1991).** Listing proposals - June/July 1991. *Endangered Species Technical Bulletin* 16(7-8):7-9. Illus.
- 14775 U.S. Department of the Interior. Fish and Wildlife Service. (1991).** Final listing action approved for four species. *Endangered Species Technical Bulletin* 16(7-8):11.
- 14777 Zizka, G. (1991).** Flowering plants of Easter Island. Frankfurt am Main, Germany: Palmengarten. 108 pp. Illus., col. illus., map. Includes 5 endemics, 25 natives, 141 introduced (37 established and 74 non-established), 8 doubtfuls.
- 14781 U.S. Department of the Interior. Fish and Wildlife Service. (1991).** Endangered and threatened wildlife and plants; Final rule to list *Potamogeton clystocarpus* (little aguja pondweed) as endangered. *Federal Register* 56(220):57844-57849.
- 14782 Nayar, M.P. & Sastry, A.R.K. (eds.). (1990).** Red Data Book of Indian Plants. Vol. 3. Calcutta: Botanical Survey of India. 271 pp. Illus., col. illus. Covers 195 "threatened" taxa.
- 14788 Dransfield, J. (1991).** *Lemurophoenix* (Palmae: Arecoideae), a new genus from Madagascar. *Kew Bull.* 46(1):61-68.
- 14789 Rauwerdink, J.B. (1986).** An essay on *Metroxylon*, the sago palm. *Principes* 30:165-180.
- 14790 Essig, F.B. (1978).** A revision of the genus *Ptychosperma* Labill. (Arecaceae). *Allertonia* 1(7):415-478.
- 14791 Zona, S. (1990).** A monograph of *Sabal* (Arecaceae: Coryphoideae). *Aliso* 12(4):583-666.
- 14792 Dransfield, J. (1989).** *Voanioala* (Arecaceae: Cocoeae: Butiinae), a new palm genus from Madagascar. *Kew Bull.* 44(2):191-198.
- 14793 Lewis, B.A. (1992).** Appendix 1: Threatened orchids from the Solomon Islands.
- 14794 Lewis, B.A. & Cribb, P.J. (1991).** Orchids of the Solomon Islands and Bougainville. Kew: Royal Botanic Gardens. 335 pp.
- 14795 Lewis, B.A. & Cribb, P.J. (1989).** Orchids of Vanuatu. Kew: Royal Botanic Gardens. 171 pp.
- 14797 Hodel, D.R. & Uhl, N.W. (1990).** New species of *Chamaedorea* from Costa Rica and Panama. *Principes* 34(3):120-133.
- 14798 Hodel, D.R. & Uhl, N.W. (1990).** A new species and synopsis of a distinctive and natural subgroup of *Chamaedorea*. *Principes* 34(3):108-119.
- 14799 Henderson, A., Aubry, M., Timyan, J., & Balick, M. (1990).** Conservation status of Haitian palms. *Principes* 34(3):134-142. 13 genera and between 21-24 species of palms occur naturally in Haiti, and up to 1/4 of these species may be endemic to the country.
- 14800 Wheatley, Jos. I. (1991).** Annotations to the Vanuatu Status Report.
- 14801 Brown, E. (1991).** The quest for *Jubaeopsis caffra*, the pondoland palm. *Principes* 35(2):99-101.
- 14803 Glenny, D. (1991).** Annotations to Solomon Island Status Report.
- 14805 Hodel, D.R. & Grayum, M.H. (1991).** Two new species of *Chamaedorea* (Arecaceae) from

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Panama. *Principes* 35(3):133-138.
- 14807 Endt, D. (1991). The native palms of Chile: a rare opportunity to visit the private hacienda, Los Palmas, Cocolan. *Principes* 35(2):19-21.
- 14811 Hodel, D.R. & Uhl, N.W. (1990). Two new species of *Chamaedorea* from Mexico. *Principes* 34(2):58-63.
- 14813 Hodel, D.R. (1990). *Chamaedorea amabilis*, an ornamental species from Central America. *Principes* 34(1):4-10. The species is threatened by collectors.
- 14821 Anon. (1991). Proposal to include the genus *Tillandsia* on Appendix II of CITES.
- 14827 Basu, S.K. (1991). India: Palm utilization and conservation. pp. 13-35 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14828 Mogeza, J.P. (1991). Indonesia: Palm utilization and conservation: pp. 37-73 *In* Johnson, D. (ed.). Palms for human needs in Asia. Palm utilization and conservation in India, Indonesia, Malaysia and the Philippines. Rotterdam: A.A. Balkema.
- 14840 Pingitore, E.J. (1982). Rare palms in Argentina. *Principes* 26(1):9-18.
- 14844 Hodel, D.R. (1982). In search of *Carpoxylon*. *Principes* 26(1):34-41.
- 14845 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Osterhout milkvetch (*Astragalus osterhoutii*), Pendland beartongue (*Penstemon penlandii*) draft recovery plan. Grand Junction, Colorado: U.S. Fish and Wildlife Service. 12 pp. Map.
- 14868 Bernal, R.G. (1986). Colombia. The palms of the Colombian Pacific. 27-33 pp. Report of WWF Project 3322 (WWF-US), 30 November.
- 14871 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; final rule to list the plant *Phlox nivalis* ssp. *texasensis* (Texas trailing phlox) as endangered. *Federal Register* 56(189):49636-49639.
- 14872 Mansur-Azim, N. (1989). A tentative list of species threatened in Bangladesh (including endemics). (Pteridophytes and Angiosperms). Memo from Michael Green to Vernon Heywood.
- 14874 Saunders, R. (1988). Notes on carnivorous plant questionnaire. Letter from Rod Saunders to P. Wyse Jackson.
- 14875 U.S. Department of the Interior. Fish and Wildlife Service. (1991). Endangered and threatened wildlife and plants; *Conradina verticillata* (Cumberland rosemary) determined to be threatened. *Federal Register* 56(230):60937-60941.
- 14876 Parris, B. (1988). List of ferns in the WCMC database for Peninsular Malaysia with annotations by Barbara Parris.
- 14905 Nesom, G.L. & La Duke, J.C. (1985). Biology of *Trillium nivale* (Liliaceae). *Canadian Journal of Botany* 63:7-14.
- 14908 Royal Botanic Gardens Kew. (1991). Kew Calendar 1992. Royal Botanic Gardens, Kew. The plants featured in this Calendar are all endangered.
- 14952 Cohen, O. & Shmida, A. (1990). Botanical notes. Discoveries of 1989 rare plants survey. *Israel - Land and Nature* 15(4):184.
- 14958 Meddour, R. (1988). Quelques commentaires sur la liste des plantes rares et menacées en Algérie. [Comments on the list of rare and threatened plants in Algeria]. *Ann. Rech. Forest Alg.* 3(3):43-65.
- 14961 Chang, C. (1988). Threatened plants of Botel Tobago. 3 pp.
- 14964 Anon. (1991). Endangered Brazilian cacti. *SSC Newsletter - Cacti & Succulent Group* (2):2.
- 14965 Anon. (no date). Dun - select committee on flora and fauna. List of Sarawak plants recommended for protection.
- 14980 Hamann, O. (1991). Indigenous and alien plants in the Galapagos Islands: problems of conservation and development. pp. 169-192 *In* Heywood, V.H. & Wyse Jackson, P.S. (eds.). Tropical botanic gardens. Their role in conservation and development. San Diego: Academic Press Inc.
- 14981 Friedmann, F. (1991). The threatened plants of the flora of the Seychelles and their conservation. pp. 193-208 *In* Heywood, V.H. & Wyse Jackson, P.S. (eds.). Tropical botanic gardens. Their role in conservation and development. San Diego: Academic Press Inc.
- 15013 Cunningham, A.B. (1991). Development of a conservation policy on commercially exploited medicinal plants: a case study from southern Africa. pp. 337-358 *In* Akerle, O., Heywood, V. & Syngé, H. (eds.). Conservation of medicinal plants. Cambridge: Cambridge University Press.
- 15014 U.S. Department of the Interior. Fish and Wildlife Service. (1983). Endangered and threatened wildlife and plants; Proposed endangered status for the plant *Echinacea laevigata* (smooth coneflower). *Federal Register* 56(236):64229-64234.
- 15015 Stevenson, D.W. & Osborne, R. (1991). The world list of cycads. Proc. CYCAD 90. Lists 144 Zamiaceae spp.
- 15044 U.S. Department of the Interior. Fish and Wildlife Service. (1983). Endangered and threatened wildlife and plants; Proposal to list the plant *Spiranthes diluvialis* (Ute ladies'-tresses) as a threatened species. *Federal Register* 55(219):47347-47350.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 15046** U.S. Department of the Interior. Fish and Wildlife Service. (1991). Pitcher's thistle, *Cirsium pitcheri*, recovery plan. Technical/Agency draft. Minneapolis, Minnesota: U.S. Fish and Wildlife Service, Region 3. 111 pp.
- 15079** Tirvengadam, D.D. (1989). *Ramosmania rodriguesii*, nouvelle rubiacée endémique de Rodrigues (Mascareignes). *C.R. Soc. Biogéogr.* 65(1):13-20.
- 15080** Olivier, L. (1992). Letter to Chris Leon, including list entitled "Proposition de list UICN pour la Corse". 12 pp.
- 15088** Benoit, C. & Ivan, L. (eds.). (1989). Libro rojo de la flora terrestre de Chile (Primer parte). Santiago: Impresora Creces Ltda. 157 pp. Col. illus. Lists 11 E. 26 V. 32 R.
- 15100** Vu Van Dung, & Vu Van Can. (1991). Endangered forest plant species in Viet Nam. Ha Noi: Ministry of Forestry. Centre of Technical Scientific and Economical Information. 81 pp.
- 15104** Melville, R. & Bramwell, D. (1973). Threatened plants of the Canary Islands. 57 pp. Published with the financial assistance of UNESCO.
- 15105** Anon. (no date). Threatened plants in protected areas of the Canary Islands (Spain). (Presented by the Spanish delegation).
- 15106** Anon. (no date). Endangered, Threatened, and Recently Extinct Species of Puerto Rico and the Virgin Islands. Contributions from Fosberg et al. listing 102 "Rare" or "Threatened" species.
- 15107** Anon. (no date). Endemic flora of Puerto Rico and the Virgin Islands. Lists 306 species endemic to Puerto Rico.
- 15112** Syngé, H. (1992). Information collected for Biodiversity Status Report.
- 15135** Norton, D.A. (1991). *Trilepidea adamsii*: an obituary for a species. *Conservation Biology* 5(1):52-57.
- 15138** Dowe, J.L. (ed.). (1989). Palms of the Solomon Islands. Milton Qld. Australia: The Palm and Cycad Societies of Australia. 55 pp.
- 15139** Dowe, J.L. & Uhl, N.W. (1989). *Carpoxylon macrospermum*. *Principes* 33(2):68-73.
- 15142** Dransfield, J. (1990). Notes on rattans (Palmae: Calamoideae) occurring in Sarawak, Borneo. *Key Bull.* 45(1):73-99.
- 15144** Dransfield, J., Shu-Kang, L., & Fa-Nan, W. (1985). *Guihaia*, a new Coryphoid genus from China and Vietnam. *Principes* 29(1):3-12.
- 15145** Dransfield, J. & Uhl, N.W. (1986). *Ravenea* in the Comores. *Principes* 30(4):156-160.
- 15147** Essig, F.B. (1987). A new species of *Psychosperma* (Palmae) from New Britain. *Principes* 31(3):110-115.
- 15148** Fernandes, H. de Q. B. (1989). Uma nova espécie de *Euterpe* (Palmae - Arecoideae - Areceae) do Brasil. *Acta Bot. Bras.* 3(2):43-49.
- 15153** Irvine, A. (1983). *Wodyetia*, a new Arecoid genus from Australia. *Principes* 27(4):158-167.
- 15154** Jones, D. (1984). Palms in Australia. NSW, Australia: Reed Books Pty Ltd.
- 15155** Kahn, F. & Mejia, K. (1988). A new species of *Chelyocarpus* (Palmae, Coryphoideae) from Peruvian Amazonia. *Principes* 32(2):69-72.
- 15156** Moore, H.E. (1969). A synopsis of the genus *Physokentia* (Palmae - Arecoideae). *Principes* 13:120-136.
- 15157** Quero, H.J. (1991). *Sabal gretheriae*, a new species of Palm from the Yucatan Peninsula, Mexico. *Principes* 35(4):219-224.
- 15160** Loc, P.K. (1992). Conversations with Prof. Phan Ke Loc.
- 15166** Dowe, J.L. (1991). Global action plan - Australian palms. 6 pp. With added comments from Dennis Johnson.
- 15184** Dowe, J.L. (1991). Palms of the Southwest Pacific. 5 pp. Annotated list by John Dowe.
- 15198** Fosberg, F.R. (1988). A review of the natural history of the Marshall Islands. Report prepared for the East West Center/MacArthur Foundation/SPREP Northern Marshall Islands natural diversity and protected area survey. East West Center, Hawaii.
- 15199** Henderson, A. (1990). Conservation status of Haitian palms. Letter to Dennis Johnson.
- 15202** Hodel, D.R. (1991). *Chamaedorea* palms. As annotated by D. Hodel. 5 pp.
- 15206** Seidensticker, J. & Suyono. (1980). The Javan tiger and the Meru Betiri Reserve. A plan for management. Gland: IUCN. 167 pp.
- 15211** Blouch, R. & Sumaryoto, A. (1979). Proposed Bawean Island Wildlife Reserve management plan. Bogor. 63 pp.
- 15229** Judd, W.S. (1986). Botany of the National Parks of Haiti. USAID. USAID Report.
- 15247** Erftemeijer, P., van Balen, B., & Djuharsa, E. (1988). The importance of Segara Anakan for nature conservation. PHPH - AWB/Interwader Report No. 6. Illus. Maps.
- 15308** Whistler, W.A. (1990). Preliminary key to Palmae of Samoa. 2 pp.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 15313 **Thin, N.N. (1992).** List of palms rare and endangered species of Indochina. 1 pp.
- 15316 **Fay, M.F. & Muir, H.J. (1990).** The rôle of micropropagation in the conservation of European plants. pp. 27-32 *In* Hernández Bermejo, J.E., Clemente, M., Heywood, V. (eds.). Conservation techniques in botanic gardens. Germany: Koeltz Scientific Books.
- 15358 **Bañares Baudet, A. (1990).** La flora amenazada de los parques nacionales Canarios con especial referencia al Parque Nacional de Garajonay. (The threatened flora of the national parks of the Canary Islands with special reference to Garajonay National Park). pp. 87-90 *In* Hernández Bermejo, J.E., Clemente, M., Heywood, V. (eds.). Conservation techniques in botanic gardens. Germany: Koeltz Scientific Books.
- 15398 **Blanca, G. & Molero Mesa, J. (1990).** Peligro de extinción en Sierra Nevada (Granada, España). (Dangers of extinction in the Sierra Nevada (Granada, Spain). pp. 97-101 *In* Hernández Bermejo, J.E., Clemente, M., Heywood, V. (eds.). Conservation techniques in botanic gardens. Germany: Koeltz Scientific Books.
- 15399 **WWF. (1980).** Cagar Alam GN. Tangkoko-Dua Saudara, Sulawesi Utara - Management Plan 1981-1986. A WWF report prepared for the Directorate of Nature Conservation, Directorate-General of Forestry, Republic of Indonesia. Bogor: WWF. Maps.
- 15534 **Miller, A.G. (1992).** List of Socotran endemics with conservation status. Revised November 1991. 15 pp.
- 15638 **Dod, D. & Judd, W.S. (1986).** The orchids of the national parks of Haiti. USA: USAID.
- 15658 **CITES. (1992).** CITES Appendices as of June 1992.
- 15727 **Henderson, A. (1990).** Arecaceae. Part I. Introduction and the Iriarteinae *in* Flora Neotropica. Monograph 53. New York: New York Botanical Garden. 101 pp.
- 15728 **Barfod, A.S. (1991).** A monographic study of the subfamily Phytelphantoideae (Arecaceae). *Opera Botanica* 105:1-73.
- 15734 **Loc, P.K. (1992).** Annotations to: Conservation status listing for Vietnam dated 25 March 1992. 49 pp.
- 15810 **Barneby, R.C. (1964).** Atlas of North American *Astragalus*. Part II. The Ceridotherix, Hypoglottis, Piptoloboid, Trimeniaeus and Orophaca *Astragali*. *Memoirs of the New York Botanical Garden* 13:597-1188.
- 15814 **Bayer, R.J. & Stebbins, G.L. (1987).** Patterns of chromosomal evolution in *Antennaria* (Asteraceae: Inuleae). *Systematic Botany* 12:305-319.
- 15826 **Wagner, W.H. & Wagner, F.S. (1990).** Moonworts (*Botrychium* subg. *Botrychium*) of the Upper Great Lakes Region. USA and Canada. with descriptions of two new species. *Contributions from the University of Michigan Herbarium* 17:313-325.
- 15827 **Wagner, W.H. & Wagner, F.S. (1986).** Three new species of moonworts (*Botrychium* subg. *Botrychium*) endemic in western North America. *American Fern Journal* 76:33-47.
- 15846 **Rivas-Martínez, S., Fernández-González, F., & Sánchez-Mata, D. (1990).** Endemic taxa of the Iberian Central System: distribution and ecology. pp. 179-184 *In* Hernández Bermejo, J.E., Clemente, M., Heywood, V. (eds.). Conservation techniques in botanic gardens. Germany: Koeltz Scientific Books.
- 15882 **Moss, E.H. (1983).** Flora of Alberta. (2nd ed.). Toronto, Ontario: University of Toronto Press. 687 pp.
- 15886 **Porsild, A.E. (1964).** Illustrated flora of the Canadian Arctic archipelago. (2nd ed. rev.). National Museum of Canada. 218 pp. Bulletin 146.
- 15911 **Adams, C.D. (1971).** Miscellaneous additions and revisions to the flowering plants of Jamaica II. *Phytologia* 21(2):65-71.
- 15914 **U.S. Department of the Interior. Fish and Wildlife Service. (1983).** Endangered and threatened wildlife and plants; Threatened status for three Florida plants. *Federal Register* 57(90):19813-19819.
- 15915 **U.S. Department of the Interior. Fish and Wildlife Service. (1992).** Endangered and threatened wildlife and plants; Proposed endangered status for three Florida plants of the genus *Conradina*. *Federal Register* 57(98):21369-21374.
- 15917 **U.S. Department of the Interior. Fish and Wildlife Service. (1992).** Endangered and threatened wildlife and plants; Proposed threatened status for the plant *Pinguicula ionantha* (Godfrey's butterwort). *Federal Register* 57(98):21377-21380.
- 15918 **Cribb, P.J. (1987).** The genus *Paphiopedilum*. Portland, Oregon: Royal Botanic Gardens, Kew, in association with Timber Press. 222 pp. Col. illus., maps. Kew Magazine Monograph.
- 15919 **Du Puy, D. & Cribb, P.J. (1988).** The genus *Cymbidium*. London and Portland, Oregon: Christopher Helm and Timber Press. 236 pp. Col. illus., maps.
- 15922 **Fourie, S.P. (1984).** Threatened Euphorbias in the Transvaal. *The Euphorbia Journal* 2:75-90. Col. illus.
- 15923 **Kim, Y.S. (1992).** List of rare and endangered plant species in Republic of Korea. 14 pp.
- 15925 **Boyer, M. (1992).** Technical draft Recovery Plan for Cooley's meadowrue (*Thalictrum cooleyi* Ahles). Atlanta, Georgia: U.S. Fish and Wildlife Service, Southeast Region. 39 pp.
- 15926 **Anon. (1984).** The succulent Euphorbiaceae. Photographic collection and descriptions. *The*

*Data sources for The 1997 IUCN Red List of Threatened Plants*

- Euphorbia Journal* 2:95-152. Col. illus.
- 15932 **Hall, H. (1984).** *Euphorbia hallii*. Notes on some South African Euphorbias. *The Euphorbia Journal* 2:19-28.
- 15934 **Grey-Wilson, C. (1988).** The genus *Cyclamen*. Portland, Oregon, USA: Timber Press. 147 pp.
- 15937 **Koutnik, D. (1984).** A brief taxonomy of the *Euphorbia Clava-Loricata* complex (Treisia). *The Euphorbia Journal* 2:39-50. Col. illus.
- 15943 **Anon. (1992).** Rare durian rescued from extinction. *Geneflow*:20. Special UNCED edition: Biodiversity and Plant Genetic Resources.
- 15947 **Kim, Y.S. (1992).** Rare and threatened plants of the Republic of Korea. BGI printout with annotations by Yong Shik Kim. 5 pp.
- 15957 **Lee, T.B. (1983).** Endemic plants and their distribution in Korea. *Bull. Kwanak Arboretum*:71-113.
- 15960 **Penafiel, S. (1990).** Annotation to list of tropical timbers for the Philippines.
- 15961 **Anon. (1991).** Portrait of threatened plants: *Paphiopedilum niveum*. *Malayan Naturalist* 45(1 & 2):42.
- 15964 **Hunt, D.R. (1992).** CITES Cactaceae checklist. Kew: Royal Botanic Gardens, Kew. 190 pp. Compiled with the financial assistance of the CITES Nomenclature Committee and the US Scientific Authority for CITES.
- 15970 **Hawthorne, W. (1990).** Field guide to the forest trees of Ghana. Chatham: Natural Resources Institute, for the Overseas Development Administration, London. 278 pp.
- 15976 **Kemp, M. (1985).** *Encephalartos longifolius*. *Encephalartos*. 1(1):6-13. A translation is located with the article. Includes description, distribution and conservation details.
- 15978 **U.S. Department of the Interior. Fish and Wildlife Service. (1992).** Endangered and threatened wildlife and plants: Proposed threatened status for the plant *Amaranthus pumilus* (seabeach amaranth). *Federal Register* 57(101):21921-21925.
- 15983 **Ricci, M. & Eaton, L. (1992).** The rescue of *Wahlenbergia larrainii* in Robinson Crusoe Island. Illus., map. Manuscript submitted to *Biological Conservation*.
- 16005 **DeLay, L., O'Conner, R., & Ryan, J. (1992).** Agency draft recovery plan. Pondberry (*Lindera mellissifolia* [Walt.] Blume). Atlanta, Georgia: Southeast Region U.S. Fish and Wildlife Service. 62 pp.
- 16029 **Voorhoeve, A.G. (1979).** Liberian high forest trees. (2nd ed.). Wageningen, Netherlands: H. Veenman and Zonan N.V., Wageningen.
- 16040 **Anon. (1992).** Rare endemic species collected. *Philippine Flora Newsletter*:3.
- 16059 **U.S. Department of the Interior. Fish and Wildlife Service. (1992).** Agency draft recovery plan for American hart's-tongue fern (*Phyllitis scolopendrium* [L.] Newman variety *americana* Fernald). Asheville, North Carolina: U.S. Fish and Wildlife Service. 36 pp.
- 16067 **Fernando, E.S. (1990).** The genus *Heterospatha* (Palmae) in the Philippines. *Kew Bull.* 45(2):219-234.
- 16073 **Sheng-Ji, P., San-Yang, C., & Shao-Quan, T. (1989).** New materials of Palmae from China. *Acta Phytotaxonomica Sinica* 27(2):132-146.
- 16087 **Smitinand, T. (1990).** Annotated list of dipterocarps in Thailand.
- 16088 **Dransfield, J. (1990).** Notes on *Pinanga* (Palmae) in Sarawak. *Kew Bull.* 46(4):691-698.
- 16098 **Lapis, A.B. (1989).** An account of taxa related to *Calamus siphonospathus* complex. *Sylvatrop* 12(1/2):61-85.
- 16110 **Walters, T. & Decker-Walters, D.S. (1992).** In search of the elusive and endangered Okeechobee gourd. *Plant Conservation* 7(1):2.
- 16120 **Hall, J.B. & Bada, S.O. (1979).** The distribution and ecology of Obeche (*Triplochiton scleroxylon*). *J. Ecol.* 67:543-564.
- 16162 **Wijesinghe, L.C.A., Gunatilleke, I.A.U.N., Jayawardana, S.D.G., Kotagama, S.W., & Gunatilleke, C.V.S. (1990).** Biological conservation in Sri Lanka (A national status report). Colombo: Natural Resources, Energy and Science Authority of Sri Lanka. 64 pp.
- 16168 **El Hadidi, M., Abdel Ghani, M.M., & Fahmy, A.G. (1992).** The plant red data book of Egypt. 1. woody perennials. Cairo: The Palm Press. 155 pp. Maps.
- 16174 **Gartland, S. (1991).** Letter to Sara Oldfield listing trees which are probably endangered in Cameroon.
- 16228 **Dowes, J. (no date).** Pitcairnioideae (Bromeliaceae). *Flora Neotropica*. Monograph 14.
- 16273 **Anon. (1991).** Nine species listed. *Oryx* (Oct 1991) 25:193.
- 16283 **Johnson, D.V. (1992).** Annotation to printout: Palm database changes; New World. Group 3, July 1992. 4 pp.
- 16294 **Kumar, Y. (1992).** 'Extinct' orchid rediscovered. *Current Science* 62(8):547-548. *Bulbophyllum rothschildianum* rediscovered in hills of northeast India.
- 16317 **Asociación Nacional para la Conservación de la Naturaleza. (1990).** List of threatened and

Data sources for The 1997 IUCN Red List of Threatened Plants

- vulnerable plants of Panama.
- 16319 Matola, S. (1990). Species discoveries in Belize. *Species* 15:16.
- 16322 Cabrera, A.L. (1963-1968). Flora de la provincia de Buenos Aires. Buenos Aires: INTA. 6 volumes.
- 16326 Pennington, T.D. (1990). Sapotaceae. *Flora Neotropica*, Monograph 52. Bronx, New York: The New York Botanical Garden. 770 pp.
- 16336 Chebez, J.C. & Haene, E. (1989). Lista tentativa de plantas vasculares argentinas en peligro de extinción. [Preliminary list of vascular plants of Argentina in danger of extinction]. 18 pp. Unpublished.
- 16337 Correa, M.N. (1969). Flora Patagónica. Buenos Aires: INTA. 8 volumes.
- 16347 Neill, D. & Palacios, W. (1989). Arboles de la Amazonia Ecuatoriana. Lista preliminar de especies. Quito, Ecuador: Dirección Nacional Forestal. 120 pp. Preliminary list of native tree species of Amazonian Ecuador below 600m elevation; includes 1009 species of trees attaining at least 5m in height.
- 16358 Arosemena, A., Estrada, R., Jurado, C., & Konanz, M. (1989). Orquídeas de la costa del Ecuador. Guayaquil, Ecuador: Asociación Ecuatoriana de Orquídeología. 129 pp.
- 16360 Secretaría de Desarrollo Urbano y Ecología. (1991). Listado de especies raras, amenazadas, en peligro de extinción, o sujetas a protección especial, y sus endemismos en la República Mexicana. Flora terrestre y acuática. México: Secretaría de Desarrollo Urbano y Ecología. 9-26 pp.
- 16385 Bravo-Hollis, H. (1978). Las cactáceas de México. México, DF: Universidad Nacional Autónoma de México.
- 16386 Farjon, A. (1990). Pinaceae. Drawings and descriptions of the genera *Abies*, *Cedrus*, *Pseudolarix*, *Keteleeria*, *Nothotsuga*, *Tsuga*, *Cathaya*, *Pseudotsuga*, *Larix* and *Picea*. Königstein, Germany: Koeltz Scientific Books. 330 pp.
- 16387 Sutton, D. (1988). A revision of the tribe Antirrhineae. Oxford, UK: Oxford University Press. 544 pp.
- 16388 Withner, C. (1988). The *Cattleyas* and their relatives. Vol. 1. The *Cattleyas*. Portland, Oregon: Timber Press. 147 pp.
- 16389 Kuijt, J. (1991). *Panamanthus*, a new monotypic genus of neotropical Loranthaceae. *Ann. Missouri Bot. Gard.* 78(1):172-176.
- 16390 Kimmach, M. (1978). *Selenicereus atropilosus*, a new species from Jalisco. *Cact. Succ. J. (U.S.)* 50:268-270.
- 16396 Ehlers, R. (1988). *Tillandsia klausii*, a new *Tillandsia* from southern Mexico. *J. Bromeliad Soc.* 38:257-260.
- 16401 Gibbs, P., Semir, J., & da Cruz, N. (1988). A proposal to unite the genera *Chorisia* Kunth and *Ceiba* Miller (Bombacaceae). *Notes Royal Bot. Gard. Edinburgh* 45:125-136.
- 16402 Stahl, B. (1989). A synopsis of Central American Theophrastaceae. *Nord. J. Bot.* 9(1):15-30.
- 16430 Ormazabal, C. (1988). Sistemas nacionales de áreas silvestres protegidas en América Latina. Santiago: FAO. 205 pp.
- 16436 Rodríguez, R.R., Matthei, O., & Quezada, M. (1983). Flora Arbórea de Chile. Chile: Universidad de Concepción. 408 pp. 87 species described including their uses; vegetation types and their endemics.
- 16473 Carauta, J.P.P. (1978). *Dorstenia* L. (Moraceae) do Brasil e países limítrofes. *Rodriguésia* 29(44):71-73.
- 16585 Ghillány, B.A. de. (1979). The rare *Koellensteinia eburnea* of Brazil. *Amer. Orchid Soc. Bull.* 48(1):14-16.
- 16686 Leme, E. (1986). Rio-Bahia-Rio. *J. Bromeliad Soc.* 36(6):243-249, 267.
- 16692 Lewis, G.P. (1987). Legumes of Bahia. Kew, England: Royal Botanic Gardens. 369 pp.
- 16721 Wurdack, J.J. (1969). Certamen Melastomataceis. XIV. *Phytologia* 19(3):191-197.
- 16747 Rizzo, J. (1981). Flora do Estado de Goiás, Coleção Rizzo. Goiania.: Universidade Federal de Goiás. 4 vols.
- 16826 Stevens, W.D. (no date). Flora de Nicaragua (in preparation).
- 16853 Bernal, R. (1989). Endangerment of Colombian palms. *Principes* 33(3):113-128.
- 16887 Leonard, E.C. (1951-1958). The Acanthaceae of Colombia. *Contr. U.S. Nat. Herb.* 31:1-781.
- 16890 Lozano-Contreras, G. (1975). Contribuciones a las Magnoliaceae de Colombia, III. *Caldasia* 11(53):27-50.
- 16929 Trelease, W. & Yunker, G. (1950). The Piperaceae of northern South America. University of Selenois Press, Urbana. 838 pp. si.
- 16943 Brandbyge, J. & Holm-Nielsen, L. (1986). Reforestation of the High Andes with local species. *Reports from the Bot. Institute, Univ. of Aarhus* 13(1):114.
- 16956 Dodson, C.H. & Marmol, P. (1982). Orchids of Ecuador. *Icones Plantarum Tropicarum* 5:401-500. Illus.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 16958 **Dodson, C.H. & Gentry, A.H. (1978).** Flora of the Rio Palenque Science Center. *Selbyana* 4(1-6):1-628.
- 16963 **Dodson, C.H. & Marmol, P. (1980).** Orchids of Ecuador. *Icones Plantarum Tropicarum* 1-4:1-400. Illus.
- 17000 **Luer, C.A. (1979).** Miscellaneous new species in the Pleurothallidinae. *Selbyana* 5(2):145-194.
- 17008 **Martinelli, G. & Leme, E. (1983).** Rare bromeliads from Brazil. No.1: *Vriesea lancifolia* (Parker) L.B. Smith. *J. Bromeliad Soc.* 33(5):195-198.
- 17014 **Martinelli, G. & Leme, E. (1986).** *Neoregelia gavionensis*, a new species from Brazil. *J. Bromeliad Soc.* 36(2):71-72.
- 17079 **Sociedade Botânica do Brasil. (1992).** Centuria plantarum Brasiliensium extinctionis minitata. Sociedade Botânica do Brasil. 175 pp. Data sheets on Brazilian plants.
- 17203 **Werkhoven, M.C.M. (1986).** Orchids of Suriname. Paramaribo, Suriname: Vaco. 256 pp.
- 17208 **Centro de Datos para la Conservación. (1986).** Ecosistemas críticos en el Peru: Recomendaciones del CDC - Peru et World Resources Institute. Lima: Universidad Nacional Agraria-La Molina. 53 pp.
- 17248 **Teixeira, D.E. (1988).** Amazonian timbers for the international market. (ITTO Technical Series 1). Brasilia: Brazilian Institute for Forestry Development & ITTO. 94 pp. Col. illus.
- 17279 **Molau, U. (1992).** Scrophulariaceae, Part 1 - Calceolarieae. *Flora Neotropica*, Monograph 47. Bronx, NY: New York Botanical Garden.
- 17371 **Tryon, R.M. & Stolze, R. (1989).** Pteridophyta of Peru. Part II. 13. Pteridaceae - 15. Dennstaedtiaceae. *Fieldiana Bot. New Series* 22:1-128.
- 17435 **Beentje, H.J. (1988).** Atlas of the rare trees of Kenya. *Utafiti* 1(3):71-125. National Museums of Kenya.
- 17450 **Ng, F.S.P., Low, C.M., & Sanah, M.A.N. (1990).** Endemic trees of the Malay Peninsula. Kuala Lumpur: Forestry Department. 118 pp. Col. illus. FRIM Research Pamphlet No.106.
- 17457 **Commission of the European Communities. (1991).** CORINE biotopes. The design, compilation and use of an inventory of sites of major importance for nature conservation in the European Community. L-2920 Luxembourg: Commission of the European Communities, Directorate-general, Environment, Nuclear Safety and Civil Protection. K3-K10 pp.
- 17458 **Matthews, W.S., Van Wyk, A.E., & Bredenkamp, G.J. (1992).** Endemic flora of the North-Eastern Transvaal Escarpment, South Africa. *Biological Conservation* 63:83-94.
- 17459 **Jiménez, Q., Poveda, L., Zamora, N., & Sánchez, P. (1988).** Árboles amenazados o en peligro de extinción para la Península de Osa. 5 pp.
- 17462 **Erfurth, T. & Rusche, H. (1976).** The marketing of tropical wood. B. Wood species from South American tropical moist forests. Rome: FAO.
- 17466 **Schmidt, R. (1989).** Current tropical moist forest management activities in Brazil. Report prepared for the government of Brazil. Rome: FAO. 29 pp. FO:MISC/89/4. Map.
- 17530 **Anon. (no date).** The Teide National Park. 8 pp.
- 17534 **Bramwell, D. & Perez, J.R. (1982).** Prioridades para la conservación de la diversidad genética en la flora de las Islas Canarias. *Botanica Macaronésica* 10:3-17.
- 17577 **Shik, Y. (1992).** Conservation Status Listing - Plants of South Korea. Annotations by Yong Shik. 36 pp. TPU printout.
- 17615 **Hodel, D.R. (1992).** Chamaedorea palms. The species & their cultivation. Lawrence, Kansas: Allen Press. 338 pp.
- 17616 **Quero, H.J. (1992).** Current status of Mexican palms. *Principes* 36(4):203-216.
- 17617 **Fu, L. & Jin, J. (eds.). (1992).** China Plant Red Data Book. Rare and endangered plants. Vol. 1. Beijing: Science Press. xviii, 741 pp. Col. illus.: maps. 338 taxa, of which 121 are Endangered, 110 are Rare, and 157 are Vulnerable.
- 17661 **Jain, S.K. & Sastry, A.R.K. (1984).** The Indian Plant Red Data Book - I. Botanical Survey of India, Dept of Environment.
- 17662 **Mathew, B. (1992).** Annotations to: Conservation status listing: *Sternbergia*.
- 17663 **Mathew, B. (1983).** A review of the genus *Sternbergia*. *The Plantsman* 5(1):1-16.
- 17664 **Mathew, B. (1992).** Annotations to: Conservation status listing: *Galanthus*. 3 pp. TPU printout.
- 17665 **Walters, S.M. et al. (1986).** The European Garden Flora. (1). 318 pp.
- 17668 **Carter, S. (1992).** Annotations to: Conservation status listing: *Aloe*. 28 pp. TPU printout.
- 17671 **Kassas, M., Ayyad, M., Springuel, I., & Zahnran, M. (1992).** Egypt: Habitat diversity. Plant ecology. 4-113 pp. For the United Nations Environment Programme.
- 17672 **Carter, S. (1992).** Annotations to: Conservation status listing: *Euphorbia*. TPU printout.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 17673 **Chepstow-Lusty, A. (1992).** Letter about the conservation status of plants from Henderson Island.
- 17674 **Madulid, D.A. & Agoo, E.M.G. (1991).** Status report on rare and endangered Philippine plants II. *Cycas chamberlainii* Br. & Kienh. *The Philippine Scientist* 28:99-112.
- 17681 **Anon. (1979).** Prosopis species. pp. 153-161 *In* Tropical legumes: Resources for the future. Washington, DC: National Academy of Sciences.
- 17685 **Anon. (1979).** VI Luxury timbers. pp. 211-238 *In* Tropical legumes: Resources for the future. Washington, D.C.: National Academy of Sciences.
- 17690 **Lewis, B.A. (1992).** Additions to the orchid flora of Vanuatu in the south-west Pacific. *Kew Bull.* 47(4):685-691.
- 17694 **Kennedy, K. & Poole, J. (1992).** Large-fruited sand-verbena (*Abronia macrocarpa*) recovery plan. Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Region 2. 37 pp. Map.
- 17695 **U.S. Department of the Interior. Fish and Wildlife Service. (1992).** Hinckley oak (*Quercus hinckleyi*) recovery plan. Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Region 2. 39 pp. Map.
- 17718 **Boland, D.J., Brooker, M.I.H., Chippendale, G.M., Hall, N., Hyland, B.P.M., Johnston, R.D., Kleing, D.A., & Turner, J.D. (1962).** Forest trees of Australia. Melbourne: Thomas Nelson & CSIRO. Illus. Maps.
- 17746 **IBAMA. (1992).** Lista oficial de espécies da flora Brasileira ameaçadas de extinção. 4 pp.
- 17749 **Dransfield, J. & Kiew, R. (1990).** The palms of Taman Negara. *The Journal of Wildlife and Parks* 10:38-45. A special issue to commemorate the golden jubilee of Taman Negara.
- 17750 **Anon. (1981).** Descripción general y anatomica de 105 maderas del grupo Andino. Junac: Junta del Acuerdo de Cartagena. 441 pp.
- 17762 **Dihoru, G. (no date).** Proposals for adding to the check list of threatened plants. 15 pp. (Romania) List of species.
- 17778 **Anon. (1992).** The endemic flora of Almeria (Southern Spain): a conservation/biosystematic study of the endemic *Rosmarinus* species of southern Spain. 9 pp. Appendix contains list of endemics of the Cabo de Gata area.
- 17779 **Lapelė, M. & Vaiciūaitė, R. (1992).** Red Data List of Lithuania. Lists plants, including lower plants, and animals.
- 17781 **Morgan, V. & Leon, C. (1990).** Bern Convention. Revision of Appendix I (Flora).
- 17786 **Anon. (1992).** A Hungarian proposal concerning amendments to the CORINE biotopes project's endangered plant species list. 7 pp.
- 17788 **Anon. (1988).** Unique San Bernadino plants focus of research. *Center for Conservation Biology - Update.* (Fall/Winter) 2(2):4-6.
- 17789 **Anon. (1993).** 'Extinct' plants rediscovered. *Oryx* 27(1):12.
- 17796 **Anon. (1991).** Conservation of the palmate-bracted bird's beak: a most unusual endangered wetland annual. *Center for Conservation Biology - Update* (Fall/Winter) 5(2):1-2.
- 17807 **Alexandra, K. (1989).** Study in populations of rare and threatened plants. 7-14 pp. Presented at the CMEA meeting held in Poland in October 1989.
- 17809 **Mirek, Z. (1989).** Extinction of and threat to the vascular flora of the Polish Carpathians. 21-29 pp. Presented at the CMEA meeting held in Poland in October 1989. Illus., maps.
- 17821 **Anon. (1992).** The list of threatened plant species of European importance for Czechoslovakia. 1-2 pp. Prepared for the CORINE biotopes project.
- 17823 **Dihoru, G. (1992).** Proposals for adding to the check list of threatened plants. Endemics. 2 pp. Produced in 1992 for the CORINE biotopes project for Romania.
- 17824 **MacDougal, J.M. (1994).** Revision of *Passiflora* section *Pseudodyosmia*(Passifloraceae). *Systematic Botany Monographs* 41:1-146. (in press).
- 17832 **Storkersen, O.R. (1992).** Truete arter i Norge. [Norwegian Red List]. DN-rapport 1992 - 6. Tungasletta 2, N-7005 Trondheim: Directorate for Nature Management. 22-28 pp. List of Vascular plants, fungi, lichens, bryophytes, mammals, birds, reptiles and amphibians, fish, butterflies and moths, beetles, dragonflies and other invertebrates.
- 17833 **Meléndez, E.N. (1982).** Plantas medicinales de Puerto Rico. [Medicinal plants of Puerto Rico.]. Universidad de Puerto Rico. 1-498 pp. Illus. Common names included.
- 17882 **Government of Japan. (1992).** World Heritage List Nomination. Yakushima (Yaku Island). Environmental Agency. 27 pp. Maps. Slides.
- 17887 **Delaney, K.R. & Wunderlin, R.P. (1989).** A new species of *Crotalaria* (Fabaceae) from the Florida Central Ridge. *Sida* 13(3):315-324.
- 17888 **Anderson, L.C. (1991).** *Paronychia chartacea* ssp. *minima* (Caryophyllaceae): a new subspecies of a rare Florida endemic. *Sida* 14(3):435-441.
- 17890 **Wallace, S.R. (1992).** Conservation status listing: Florida. TPU printout with annotations.
- 17891 **Anon. (1993).** Draft Document - Trade status of habitat directive species for inclusion in EC trade



## Data sources for The 1997 IUCN Red List of Threatened Plants

- regulation.
- 17908 Morin, N.R. & Unger, J.M. (1992).** Botanical News. *Neivisia cliffonii* (Rosacea: Kerrieae), an intriguing new relict species from California, discovered. *Flora of North America Newsletter* (Winter 1992) 6(4):27.
- 17912 Zizka, D. (1993).** Categories for indigenous plants of Easter Island. 1 pp. Short list of indigenous plants with endemics.
- 17915 Anon. (1992).** Recovery plans. Endangered plants endemic to South Australia. *On the Brink!* 2:10.
- 17916 Anon. (1992).** Endangered plants of northern New South Wales. *On the Brink!* 2:11.
- 17919 Zizka, G. (1993).** Buschmannskerze, Storch-, Reiher-, und Kranichschnabel - Schnabelkräuter im Palmgarten. [cranesbill geraniums in the Palm garden]. *Der Palmgarten - Stadt Frankfurt Am Main* (January):3-10.
- 17928 Mercier, H. & Kerbauy, G. (1993).** Micropropagation of *Dyckia macedoi* - an endangered endemic Brazilian bromeliad. *Botanic Gardens Micropropagation News* 1(6):70-72.
- 17933 Mallia, A. & Schembri, P.J. (1991).** Orobanchaceae. pp. 102-202 in *National Database on Biodiversity. Sample Entries for Evaluation*. Msida - Malta: Department of Biology, University of Malta. (unpublished).
- 17934 Mallia, A. & Schembri, P.J. (1991).** Orchidaceae. *National Database on Biodiversity. Sample Entries for Evaluation* Msida - Malta: Department of Biology, University of Malta. (unpublished)10-82 pp.
- 17940 Rao, Y.S. (1992).** Forest news. Forestry profile: Laos. *Tigerpaper* XIX(4):9-11. information on economics, forest resources etc.
- 17945 Johnson, D.V. (1992).** Additions and corrections to WCMC palm database by John Dowe, Nov. 1992. 5 pp.
- 17946 Borchenius, F. & Balslev, H. (1989).** Three new species of *Aiphanes* (Palmae) with notes on the genus in Ecuador. *Nord. J. Bot.* 9(4):383-393.
- 17949 Kahn, F. (1990).** Las palmeras del Arboretum Jenaro Herrera (Provincia de Requena, Departamento de Loreto, Peru). *Candollea* 45(1):341-362.
- 17950 Dransfield, J. (1993).** Conversation with Dennis Johnson.
- 17951 Beentje, H.J. (1993).** Annotation of conservation status listing of the palms of Madagascar. 6 pp.
- 17954 Moraes, M. (1992).** Bolivian palms. Listing. 6 pp.
- 17955 Moussa, F., Kahn, F., Henderson, A., Brako, L., & Hoff, M. (1992).** Las palmeras en los valles principales de la Amazonia Peruana. [Palms of the major river valleys of Peruvian Amazonia]. *Bull. Inst. fr. études andines* 21(2):565-597.
- 18023 Braun, K. (1992).** Swaziland flora - species of possibly high conservation priority. 7 pp. Unpublished document, Swaziland National Trust Commission.
- 18035 Fosberg, F.R., Sachet, M., & Oliver, R. (comps.). (1979).** A geographical checklist of the Micronesian Dicotyledonae. *Micronesica* 15(1-2):41-295.
- 18038 Walter, K.S. (1992).** Trip report - Workshop on Biodiversity Data for the GEF Biodiversity Action Plan for China. Beijing, 9-13 November 1992. 9 pp.
- 18089 Luer, C.A. (1983).** Thesaurus masdevalliarum. A monograph of the genus *Masdevallia*. Munich: Helga Koniger. 16 vols. Col. illus.
- 18102 Nasir, Y. (1991).** Threatened plants of Pakistan. pp. 229-234 *In* Plant Life of South Asia, S.J. Ali & A. Ghaffer (eds.).
- 18105 Dodson, C.H. & Dodson, P.M. (1989).** Orchids of Ecuador. *Icones plantarum tropicarum, series II. Fascicles 5, 6*. St Louis, Missouri: Missouri Botanical Garden. Illus.
- 18110 Hágsater, E. & Salazar, G.O. (1990).** Orchids of Mexico. *Icones Orchidacearum. Fascicle 1*. Mexico City: Asociacion Mexicana de Orquideologia. 1-100 pp. Illus.
- 18124 Koopowitz, H. & Kaye, H. (1990).** Plant extinction: A global crisis. (2nd ed.). London: Christopher Helm.
- 18128 Shimizu, Y. (1992).** Origin of *Distylium* dry forest and occurrence of endangered species in the Bonin Islands. *Pacific Science* 46(2):179-196. includes maps, figs., photos.
- 18134 U.S. Department of the Interior. Fish and Wildlife Service. (1993).** Endangered and threatened wildlife and plants: Endangered or threatened status for seven central Florida plants. *Federal Register* 58(79):25746-25753. Detailed descriptions of habitat.
- 18154 Landolt, E. (1991).** Rote Liste - Gefährdung der Farn- und Blütenpflanzen in der Schweiz. [Red List - Threatened ferns and flowering plants in Switzerland]. Bern, Switzerland: Bundesamt für Umwelt, Wald und Landschaft. 185 pp.
- 18176 Boggan, J., Funk, V., Kelloff, C., Hoff, M., Cramers, C., & Feuillet, C. (1992).** Checklist of the plants of the Guianas (Guyana, Surinam, French Guiana). Washington, DC: Biological Diversity of the Guianas Program, Smithsonian Institution. 381 pp.
- 18200 Brako, L. & Zarucchi, J.L. (1993).** Catalogue of the flowering plants and gymnosperms of Peru. *Mongr. Syst. Bot. (Missouri Bot. Gard.)* 45:1-1286.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 18211 Radcliffe-Smith, A. (1992). The Botany of Socotra. pp. 189-205 *In* Doe B. (ed.) Socotra. Island of Tranquillity. London: IMMEL Publishing Limited.
- 18216 Ingelög, T., Anderson, R., & Tjernberg, M. (eds.). (1993). Red Data Book of the Baltic Region. Part 1. Lists of threatened vascular plants and vertebrates. Uppsala: Swedish Threatened Species Unit. 95 pp.
- 18223 Anon. (no date). Special flowers of Gibraltar. Gibraltar: Wildlife (Gibraltar) Ltd. In aid of the Gibraltar Botanic Gardens.
- 18228 Balakrishna, P. (1993). Letter to Kerry S. Walter with corrections to Conservation Status Listing for India.
- 18264 Conti, F., Manzi, A., & Pedrotti, F. (1992). Libro Rosso delle piante d'Italia. [Red book of plants in Italy]. Rome: WWF Italia. 637 pp. Illus.
- 18265 Dressler, R.L. (1993). Conversation about orchid conservation and taxonomy.
- 18270 Farjon, A., Page, C.N., & Schellevis, N. (1993). A preliminary world list of threatened conifer taxa. *Biodiversity and Conservation* 2:304-326. 416 Threatened, 1 Extinct. IUCN's V & R categories subdivided.
- 18271 Anon. (1993). Distribution of endemic plants of Cyprus. 20 pp. Computer printout with localities for 127 Cyprus endemics, including flower phenology and giant trees.
- 18289 Dahlgren, R. & Van Wyk, A.E. (1988). Structures and relationships of families endemic to or centered in southern Africa. *Monogr. Syst. Bot. Missouri Bot. Gard.* 25:1-94. Illus.
- 18294 Supthut, D.J. (1989). Letter to Sara Oldfield concerning succulents in Madagascar.
- 18295 Supthut, D.J. (1992). Letter to WCMC (Sara Oldfield) concerning international trade in *Aloe*.
- 18326 Keay, R.W.J. (1989). The trees of Nigeria. Oxford: Oxford University Press. 476 pp. Illus.
- 18329 Moscoso, R.M. (1943). *Catalogus Florae Domingensis I: Spermatophyta*. New York: University of Santo Domingo. xlviii, 732 pp.
- 18338 Herbst, D. (1991). Annotations to WCMC plant list for Guam.
- 18341 Balakrishna, P. (1993). Annotations to WCMC printout entitled "Unresolved India - 534 records". Includes letter to Kerry S. Walter dated 9 Aug 1993 and annotations to list dated 21 Sep 93.
- 18551 Little, E.L. et al. (1974). Trees of Puerto Rico and the Virgin Islands, Second Volume. Agriculture Handbook No. 449. Washington, DC: U.S.D.A. Forest Service. 1024 pp. Second volume to Little & Wadsworth, 1964: includes endemic, rare, and endangered tree species.
- 18767 Fuller, D.O. (1991). Medicine from the wild. An overview of the U.S. native medicinal plant trade and its conservation implications. Washington, DC: World Wildlife Fund. 28 pp.
- 18799 Ellshoff, Z.E. (1991). The rarest Hawaiian members of the *Hibiscus* family. *National Tropical Botanical Garden Bull.* 21(3):7-12.
- 18826 Spiller, S.F. (1992). New list of plant candidates in Arizona approved by the Fish and Wildlife Service.
- 18996 Royal Botanic Gardens Kew, & International Institute for Environment and Development. (1993). Report on sustainable environmental development strategy and action plan for St Helena. Vol. 3. Status of the endemic flora and preliminary recovery programmes. 95 pp. Unpublished report for the St Helena Government.
- 18997 Cronk, Q.C.B. (1989). The past and present vegetation of St Helena. *Journal of Biogeography* 16:47-64.
- 19001 Fiard, J. (1992). Arbres rares et menacés de la Martinique. (Collection Régionale Connaissance du Patrimoine). Martinique: Société des Galeries de Géologie et de Botanique de Fort-de-France. 152 pp.
- 19002 Center for Plant Conservation (CPC). (1992). Printout of CPC's data for North American plants.
- 19006 Jones, D. (1986). Status of Malaysian Rutaceae (unpublished list). Attached to letter to Steve Davis dated 17 May 1986.
- 19007 Katende, A.B. (1993). Annotations to: TPU conservation status report for Uganda dated 29 Jun 1993. Attached to letter from Derek Pomeroy to Kerry S. Walter. Includes additional taxa to add to TPU database.
- 19011 Royal Botanic Garden Edinburgh. (1993). Living collections database in BG-BASE format.
- 19034 Hoffmann, A.E. (1989). Cactaceas. En la flora silvestre de Chile. Una guía para la identificación de los cactus que crecen en el país. Santiago, Chile: Ediciones Fundación Claudio Gay. 272 pp.
- 19035 Carter Holmes, S. (1993). Annotations to TPU printout: Eurphorbiaceae dated 28 Jun 1993.
- 19037 Anon. (1991). Endangered species and habitats of Thailand. Ecological Research Department, Thailand Institute of Scientific and Technological Research. 239 pp. Col. illus., map. Covers 111 species - 3 plants, 40 mammals, 41 birds, 12 fishes, 12 amphibians and reptiles, 3 insects.
- 19045 Hirtz, A. (1993). Annotated printout (Ecuadorian orchid specimens in herbaria) with conservation status.
- 19047 Soepadmo, E. (1991). Indomalayan wild orchids - their ecological and conservation status. Paper presented at the International Conference and Exhibition

## Data sources for The 1997 IUCN Red List of Threatened Plants

- on Orchids and Ornamental Plants: Kuala Lumpur 22-28 August, 1990. *Malaysian Orchid Bulletin* 5:63.
- 19052** Cortes, John. (1993). Letter to Kerry S. Walter regarding conservation status of plants in Gibraltar.
- 19054** Lucas, J. (1992). Placement Year Report 1991/1992. Illus. List of Hawaii and species information sheets.
- 19057** U.S. Department of the Interior. Fish and Wildlife Service. (1993). Recovery plan for *Geocarpon minimum* MacKenzie. Atlanta, Georgia: U.S. Fish and Wildlife Service. 34 pp. Prepared by A.B. Pittman.
- 19090** Middleton, D.J. & Wilcock, C.C. (1990). A critical examination of the status of *Pernetya* as a genus distinct from *Gaultheria*. *Edinburgh J. Bot.* 47:291-301.
- 19095** Wagner, W.H. (1993). Conversation with Kerry S. Walter concerning conservation and distribution of *Botrychium* and *Diellia*.
- 19102** Keble Martin, W. (1982). The concise British Flora. (4). London: Michael Joseph Limited. 247 pp. ill.
- 19103** Johansson, D.R. (1978). Saintpaulias in their natural environment with notes on their present status in Tanzania and Kenya. *Biol. Conserv.* 14:45-62.
- 19105** Borhidi, A. (1992). Letter to Hugh Syngé concerning conservation status of Cuban plants. Includes annotations to 27 Aug 1991 TPU printout for Cuba.
- 19106** Given, D.R. (1992). Letter to Hugh Syngé concerning conservation status of New Zealand plants.
- 19108** Green, P. (1991). Letter to Hugh Syngé concerning conservation status of Norfolk and Lord Howe Islands plants. Includes annotations to 27 Aug 1991 TPU printouts for Lord Howe Island and Norfolk Island.
- 19109** Luke, W.R.Q. (1991). A preliminary list of rare, vulnerable and endemic plants for Kenya (appendix B contd.). Prepared for National Biodiversity Board. p. 25 in The costs benefits and unmet needs of biological diversity conservation in Kenya. Prepared with assistance from the Overseas Development Administration, UK.
- 19116** Ricci, M. (1990). Programa de conservación y recuperación de plantas amenazadas de Juan Fernandez. (Including annotations by H. Syngé). Proyecto CONAF - WWF 3313 Chile. (Technical Report). Ministerid de Agricultura Corporacion Nacional Forestal.
- 19117** Zizka, G. (1990). Changes in the Easter Island Flora. Comments on Selected Families. *Courier (Forschungsinstitut Senckenberg)* 125:189-207.
- 19118** Murray, D.F. (1992). Vascular plant diversity in Alaskan Arctic tundra. *The Northwest Environmental Journal* 8:29-52.
- 19120** Anon. (1992). Annex 1 - Species ecological status by category. pp. 42-59 in UNEP Thailand Country Study on Biodiversity.
- 19121** Akeroyd, J.R. (1992). Annotations to WCMC Conservation Status Listing - Plants of Greece. With particular attention to endemics of Crete.
- 19123** U.S. Department of the Interior. Fish and Wildlife Service. (1993). Endangered and threatened wildlife and plants: Determination of endangered status for the plant Pima pineapple cactus (*Coryphantha scheeri* var. *robustispina*). *Federal Register* 58(183):49875-49880.
- 19124** U.S. Department of the Interior. Fish and Wildlife Service. (1993). Utah reed-mustards: Clay reed-mustard (*Schoenocrambe argillacea*), Barneby reed-mustard (*Schoenocrambe barnebyi*), shrubby reed-mustard (*Schoenocrambe suffrutescens*), recovery plan. Denver, Colorado. 20 pp.
- 19125** Ricci, M. (1991). Letter to Hugh Syngé concerning conservation status of plants of the Juan Fernandez Islands. Includes annotations to 12 Aug 1991 TPU printout for the Juan Fernandez Islands.
- 19130** Burt, B.L. (1963). Studies in the Gesneriaceae of the Old World XV: The genus *Saintpaulia*. *Notes Roy. Bot. Gard. Edinburgh* 22(6):547-568.
- 19134** Iwatsuki, K. (1991). Annotations to TPU printout: Ogasawara-Shoto.
- 19135** Iwatsuki, K. (1993). Annotations to TPU printout: Volcano Islands.
- 19136** Kitayama, K. (no date). Threatened endemic species of the Bonin (Ogasawara) Islands. An airport construction on the island of Anjima. 3 pp.
- 19140** Lewis, B.A. (1993). *Malagasia* refund! 1 pp. rediscovery of *Malagasia alticola* (Capuron) L. Johnson and B. Briggs in Madagascar.
- 19160** Ministry of Agriculture, Royal Government of Bhutan. (1993). Schedule 2: list of totally protected plant species. *J. Roy. Soc. Arts*. Lists 42 totally protected plant species.
- 19161** Pradhan, R. (1993). Annotations to WCMC plant list for Bhutan dated 31 August 1993.
- 19164** Akeroyd, J.R. (1992). Letter to Hugh Syngé concerning conservation status of plants of various Mediterranean Islands including: Cyprus, Sicily, Malta, Corsica, Sardinia and the Balearic Islands. Includes annotations to 1991 TPU printouts for the these countries.
- 19170** Gardner, D. & Marsh, M. (1993). Endangered monocots. *Kew Scientist* 4:7. *Gasteria baylissiana* and *Hohenbergiopsis guatemalensis*.
- 19174** Iriondo, J.M., De Hond, L.J., & Gómez-Campo, C.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- (1993). Current research on the biology of threatened plant species of the Mediterranean Basin and Macaronesia: a database. (Preliminary Draft). Madrid, Spain: Commission for the Conservation of Plant Resources. Organization for the phyto-Taxonomic Investigation of the Mediterranean Area. (unpublished)209 pp. Includes database printout of 201 threatened species with details of the organisation undertaking research.
- 19181** Friedmann, F. (1991). *Flore des Seychelles*. (Première partie: Dicotylédons). Manuscrit inédit.
- 19182** Friedmann, F. (1991). Annotations to Threatened Plant Unit printout for the Seychelles (granitic islands) dated 12 Sep 1991. 6 pp.
- 19184** Waldren, S. (1993). Annotations and additions to TPU printout of the Pitcairn islands. 7 pp. Includes additions to Oeno.
- 19185** Waldren, S., Florence, J., & Chepstow-Lusty, A.J. (1995). Rare and endemic vascular plants of the Pitcairn Islands, south-central pacific ocean: a conservation appraisal. *Biological Conservation*.
- 19186** St. John, H. (1987). An account of the flora of Pitcairn Island with new Pandanus species. *Pacific Plant Studies* 46. Honolulu, Hawaii.
- 19187** Fosberg, F.R., Paulay, G., Spencer, T., & Oliver, R. (1989). New collections and notes on the plants of Henderson, Pitcairn, Oeno and Ducie islands. *Atoll Research Bulletin* 329:1-18.
- 19209** Said, I.M. & Rozainah, Z. (1992). An updated list of wetland plant species of Peninsular Malaysia, with particular reference to those having socio-economic value. *Asian Wetland Bureau*. 109 pp. Publication No. 79.
- 19213** Cronk, Q. C.B. (1991). Letter to Hugh Syngue concerning conservation status of plants; includes annotated conservation status listings for St. Helena, Tristan de Cunha and Falkland Islands.
- 19215** Lamb, A. (1992). Orchid conservation in Sabah (Malaysian Borneo): a list of species of botanical and horticultural importance and interest and their conservation status. *Botanic Gardens Conservation News* 1(10):44-47. Lists accessions of the Tenom Orchid Centre, including IUCN conservation categories.
- 19216** Jermy, A.C. (1993). An updated and annotated checklist of Pteridophytes.
- 19218** Balakrishna, P. & Ravishankar, T. (1993). Letter with list of corrections to TPU printout for India.
- 19221** Adams, C.D. (1972). Flowering plants of Jamaica. Jamaica: University of the West Indies. 848 pp.
- 19232** Stace, C. (1991). *New flora of the British Isles*. Bury St Edmunds: Cambridge University Press. 1226 pp.
- 19257** Phengklai, C. & Khamsai, S. (1985). Some non-timber species of Thailand. *Thai Forest Bulletin (Botany)* 1(15):108-148.
- 19264** Cunningham, A.B. (1993). African medicinal plants: setting priorities at the interface between conservation and primary healthcare. People and plants working paper - March 1993. Paris: UNESCO. 50 pp.
- 19266** Tutin, T.G., Burges, N.A., Chater, A.O., Edmondson, J.R., Heywood, V.H., Moore, D.M., Valentine, D.H., Walters, S.M., & Webb, D.A. (eds.). (1993). *Flora Europaea* Volume 1. (Second edition). Psilotaceae to Platanaceae. Cambridge, UK: Cambridge University Press. 581 pp.
- 19277** Phuphathanaphong, L. (1985). Studies in Thai flora. 4. Aristolochiaceae. *Thai Forest Bulletin (Botany)* 1(15):29-57. Pics.
- 19281** Ubolcholaket, A. (1983). Preliminary study on Gentianaceae of Thailand. *Thai Forest Bulletin (Botany)* 1(14):94-127. Maps.
- 19305** Given, D.R. (1994). Letter to WCMC (Harriet Gillett) concerning threatened plants of New Zealand. Refers to datasource 19303.
- 19306** Zarzycki, K. & Szelag, Z. (1992). Czerwona lista roslin naczyniowych zagrożonych w Polsce [Red List of threatened vascular plants in Poland]. in K.Zarzycki, W.Wojewoda & Z.Heinrich (eds.) *Lista roslin zagrożonych w Polsce* [List of threatened plants in Poland]. pp. 87-98 in (ed. ). Kraków: W. Szafer Institute of Botany, Polish Academy of Sciences. Bilingual - with English.
- 19321** Maglocky, S. & Feráková, V. (1993). Red List of ferns and flowering plants (*Pteridophyta* and *Spermatophyta*) of the flora of Slovakia (the second draft). *Biológia* (48) 4:361-385.
- 19352** Centro de Datos para la Conservación-CDC-CVC. (1980). Lista preliminar de plantas especiales del Centro de Datos para la conservación, CDC-CVC. Cauca, Colombia: Corporación Autónoma Regional del Cauca. 10 pp.
- 19353** Centro Do Datos Para la Conservacion-CDC-CVC. (1986). Lista preliminar de plantas especiales del centro de datos para la conservacion, CDC-CVC. Cauca, Colombia: Corporacion Autonoma Regional del Cauca.
- 19354** Estenssoro, S. (1987). Lista preliminar de plantas especiales. La Paz: Centro de Datos para la Conservación. 17 pp.
- 19358** Mianda-Bungi, N. (1988). Catalogue des plants endémiques du Zaïre. 7 pp. Includes letter from author to Robert Madams.
- 19366** Kazmierczakowa, R. & Zarzycki, K. (eds.). (1994). Indeks łacinskich nazw opisanych gatunków z podaniem kateorii zagrożenia (synonimy złożono kursywa) [Index of Latin names of species covered in the "Polish red data book of plants"]. 301-303 pp. Includes threat categories.
- 19389** Bellingham, P.J. (1993). The effects of a hurricane on Jamaican montane rain forests. *Vascular*

## Data sources for The 1997 IUCN Red List of Threatened Plants

- flora of the western Blue Mountains, Jamaica. 41 pp. PhD dissertation, University of Cambridge, Cambridge, UK.
- 19400 Stehle, H. (1979). Considérations phytogéographiques et écologiques sur des orchidacées des antilles françaises. *C.R.Soc.Biogéogr.* 484:137-144.
- 19401 Sastre, C. (1979). Considérations phytogéographiques sur les sommets volcaniques Antillais. *C.R.Soc.Biogéogr.* 484:127-135.
- 19407 Adams, R.P. (1983). The junipers (*Juniperus*; Cupressaceae) of Hispaniola. Comparisons with other caribbean species and among collections from Hispaniola. *Moscosoa* 2(1):77-89. Maps, illus.
- 19408 Hartshorn, G. et al. (1981). Natural Vegetation. pp. 13-21 In The Dominican Republic, country environmental profile, a field study. Virginia: McLean. Lists 137 threatened species, based on a list prepared by CIBIMA by Dr. José de Jesús Jiménez. Orchid list prepared by D.D.Dod.
- 19417 Oltean, M., Negrean, G., Popescu, A., Roman, N., Sanda, V., Milhaiescu, S., & Dihoru, G. (1994). Lista rosie a speciilor de plante endemice si amenintate din Romania. [Red list of endemic and threatened plant species in Romania]. (Produced for CORINE Biotopes Project for Romania). Includes letter of explanation from Dr. Mircea Oltean to Johanna Sidey.
- 19420 Vaughan, R.E. (1980). Notes on some aspects of the plant ecology of Mauritius with a census of the Perrier reserve. 33 pp.
- 19421 Anon. (1986). The Ile aux Aigrettes project. 6 pp. Jointly spons. by Mauritius Wildlife Appeal Fund & Lions Club of Curepipe.
- 19425 Anon. (1994). List of plant species which are distributed in Bulgaria and are included in CORINE programme. 2 pp. Correspondance to Graham Drucker from Ministry of Environment.
- 19426 Anon. (1994). Correspondance with WCMC including list of plant species to be added to the CORINE Biotopes Project. Bulgarian Ministry of Environment.
- 19427 Smith, A.C. (1971). Studies of Pacific Island plants, XXIV. The genus *Terminalia* (combretaceae) in Fiji, Samoa, and Tonga. *Brittonia* 23(4):394-412. (11 spp described).
- 19432 Farjon, A. (1993). Letter from Secretary of SSC Conifer group to Harriet Gillett concerning conifer taxonomy.
- 19434 Burton, F. (1993). Letter to WCMC including list of status of endemic plants in the Cayman Islands.
- 19435 Adams, C.D. (1994). Letter from C. Dennis Adams to Harriet Gillett. Includes annotations to: List of threatened plants of Jamaica dated 19 January 1994.
- 19436 Shillinger, G. (1994). Urgent call for research on the wax palm forests of the Colombian Central Andes. email message on Conslink.
- 19437 Dodson, C.H. (1986). Orchids of Ecuador. List as of 1986. 117-129 pp.
- 19446 Procter, J. (1973). A check-list of the native and naturalised orchids of the Seychelles.
- 19448 Halloy, S. (1994). Annotations to the Argentina WCMC printout dated 17 Jan 1994. 23 pp.
- 19449 Kucera, B. (1994). Letter to Johanna Sidey concerning the plant checklists for the extension to the PHARE region with specific reference to endemic taxa.
- 19452 Smith, A.C. (1971). Studies of Pacific Island Plants, XXII. New flowering plants from Fiji. *Pacific Science* XXV(4):491-501.
- 19453 Smith, A.C. (1969). Studies of Pacific Island plants, XXI. New and noteworthy flowering plants from Fiji. *Pacific Science* XXIII(3):383-393.
- 19454 Smith, A.C. (1954). Botanical studies in Fiji. *Smithsonian Report*:305-315.
- 19464 Reifenberger, U. & Reifenberger, A. (1993). Letter to Threatened Plants Committee concerning *Sonchus wildpretii* U. et A. Reifenberger.
- 19470 Anon. (1984). Malaysian and Singapore mangrove species at risk. *Malayan Naturalist*:9. Lists threatened mangrove species and their status from Global status of mangrove ecosystems, Commission on ecology papers Number 3, IUCN 1983.
- 19471 NEMS. (1993). Cook Islands. National environmental management strategies. South Pacific Regional Environment Programme.
- 19472 Anon. (1992). Fiji. National Report to UNCED. South Pacific Regional Environment Programme.
- 19473 Rongo, T. (1993). Cook Islands. State of the environment report. Regional Environment Technical Assistance Project.
- 19486 Proctor, G.R. (1982). More additions to the flora of Jamaica. *Journal of the Arnold Arboretum* 63:199-315.
- 19488 Council of the European Communities. (1992). Couqçil Directive 92/43/EEC of 21 May 1992. on the conservation of natural habitats and of wild fauna and flora. pp. 7-50 in *Official Journal of the European Communities*. Includes annexes II, IV and V of plants of community interest for conservation.
- 19498 Jeffrey, C. (1961). *Aizoaceae in Flora of Tropical East Africa*. Hubbard, C.E. & Milne-Redhead, E. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19499 Verdcourt, B. (1971). *Annonaceae in Flora of Tropical East Africa*. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Overseas Governments And Administrations.

**Data sources for The 1997 IUCN Red List of Threatened Plants**

- 19501 Verdcourt, B. (1968). Aquifoliaceae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19502 Tennant, J.R. (1968). Araliaceae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19503 Grey-Wilson, C. (1982). Balsaminaceae in Flora of Tropical East Africa. Polhill, R.M. (ed.). A.A. Balkema/ Rotterdam/ Brookfield.
- 19508 Wickens, G.E. (1973). Combretaceae in Flora of Tropical East Africa. Polhill, R.M. (ed.). Crown Agents For Oversea Governments And Administrations.
- 19509 Turrill, W.B. & Milne-Redhead, E. (eds.). (1956). Caryophyllaceae in Flora of Tropical East Africa. Crown Agents For Oversea Governments And Administrations.
- 19510 Turrill, W.B. & Milne-Redhead, E. (eds.). (1956). Canellaceae in Flora of Tropical East Africa. Crown Agents For Oversea Governments And Administrations.
- 19512 Elffers, J., Graham, R.A., & Dewolf, G.P. (1964). Capparidaceae in Flora of Tropical East Africa. Hubbard, C.E. & Milne-Redhead, E. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19514 Verdcourt, B. (1963). Convolvulaceae in Flora of Tropical East Africa. Hubbard, C.E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19519 Jeffrey, C. (1967). Cucurbitaceae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19521 Breteler, F.J. (1988). Dichapetalaceae in Flora of Tropical East Africa. Polhill, R.M. (ed.). A.A. Balkema/ Rotterdam/ Brookfield.
- 19522 Lucas, G. Ll. (1968). Dilleniaceae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administrations.
- 19524 Radcliffe-Smith, A. (1987). Euphorbiaceae Part I in Flora of Tropical East Africa. Polhill, R.M. (ed.). A.A. Balkema/ Rotterdam/ Brookfield.
- 19525 Carter, S. & Radcliffe-Smith, A. (1988). Euphorbiaceae Part II in Flora of Tropical East Africa. Polhill, R.M. (ed.). A.A. Balkema/ Rotterdam/ Brookfield.
- 19526 Sleumer, H. (1975). Flacourtiaceae in Flora of Tropical East Africa. Polhill, R.M. (ed.). Crown Agents For Oversea Governments And Administrations.
- 19527 Bamps, P., Robson, N., & Verdcourt, B. (1978). Gunterae in Flora of Tropical East Africa. Polhill, R.M. (ed.). Crown Agents For Oversea Governments And Administrations.
- 19528 Verdcourt, B. (1971). Hamamelidaceae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.).
- 19531 Gillett, J.B., Polhill, R.M., & Verdcourt, B. (eds.). (1971). Leguminosae Part 4: Papilionoideae (1) & (2) in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. Crown Agents For Oversea Governments and Administrations.
- 19532 Brenan, J.P.M. (1964). Leguminosae Part 2; subfamily Caesalpinioideae in Flora of Tropical East Africa. Milne-Redhead, E. & Polhill, R.M. (eds.). Crown Agents For Oversea Governments And Administration.
- 19533 Brenan, J.P.M. (1959). Leguminosae Part 1; subfamily Mimosoideae in Flora of Tropical East Africa. C.E. Hubbard & E. Milne-Redhead (eds.). Crown Agents for Oversea Governments and Administrations.
- 19534 Schick, M. (1985). Annotations to the TPU list of threatened plants of Chile.
- 19535 Schlegel, F. (1985). Threatened Chilean plants. Valdivia Universidad Austral de Chile. Spp.
- 19536 Marticorena, C. (1986). Annotations to: the conservation status listing of threatened plants of Chile.
- 19537 Arnal, H. (1988). Annotations to: conservation status listing for Venezuela dated 2 December 1988.
- 19538 Wood, J. (1988). Colombian Acanthaceae - Some new discoveries and some reconsiderations. Kew Bull. 43(1):1-51.
- 19539 Ferrari, J.M. (1982). Letter to Jane Villa-Lobos.
- 19542 Sullivan, G. (1986). *Remijia chelomaphylla* (Rubiaceae), a new species from Peru. Systematic Botany 11(2):298-301.
- 19547 Anon. (1994). Application form for approval and grant aid for an overseas expedition from the Royal Geographic Society. 2 pp. Concerns *Magnolia pallescens* and *Pinus occidentalis*.
- 19549 Dummitt. (1989). Letter to Jane Villa-Lobos concerning threatened plants in Argentina.
- 19550 Gilmartin, A. (1982). Annotations to: conservation status listing for Ecuador.
- 19552 Escobar, L. (1982). Annotations to: the conservation status listing for Passifloraceae.
- 19553 Lozano, J. (1973). Annotations to: the conservation status listing for Colombia.
- 19555 Mori, S.A. (1987). Annotations to: the

## Data sources for The 1997 IUCN Red List of Threatened Plants

- conservation status listing: Lecythydaceae.
- 19556 Norman, E. (1986). Annotations to: the conservation status listing for Ecuador dated 27 May 1986.
- 19557 Brandbyge, J. (1986). Annotations to: the conservation status listing for Ecuador.
- 19558 Wurdack, J.J. (1988). Annotations to: the conservation status listing: Melastomataceae.
- 19560 Rizzini, C. (1982). Letter to Jane Villa-Lobos. 10 March 1982.
- 19561 Hunt, D.R. (1979). New species and a new combination in the Tradescantieae. American Commelinaceae: VII. *Kew Bull.* 33(3):403-406.
- 19563 Harley, R. (1981). Letter to Jane Villa-Lobos.
- 19564 Rizzo, J.A. (1982). Annotations to: the conservation status listing for Goiás, Brazil.
- 19565 Burkhart, A. (1964). Sinopsis de la especie de *Mimosa* de la serie Lepidotae. *Darwiniana* 13:379-381.
- 19566 Kiesling, R. (1986). Annotations to: the conservation status listing for Argentina.
- 19567 Casari, M.B. (1982). Communication with Jane Villa-Lobos concerning threatened plants in Brazil.
- 19569 Badillo, V. (1987). Annotations to: the conservation status listing for Ecuador dated February 1987.
- 19570 Todzia, C.A. (1987). Annotations to: the conservation status listing for Ecuador dated 18 December 1987.
- 19571 Plowman, M. (1987). Annotations to: the conservation status listing for Colombia and Ecuador dated 8 December 1987. TPU printout.
- 19572 Simpson, B. (1987). Annotations to: the conservation status listing for Ecuador dated 10 December 1987. TPU printout.
- 19573 Constance, L. (1986). Annotations to: the conservation status listing for Ecuador dated 19 June 1986. TPU printout.
- 19574 Covas, G. (1986). Annotations to: the conservation status listing for Argentina dated January 1986.
- 19575 Halloy, S. (1984). Annotations to: the conservation status listing for Argentina dated October 1994.
- 19576 Kovács-Láng, E. (1994). Reply to candidate check-list of threatened plants for the PHARE countries of Europe. Additional list of 11 species to be included in the check-list.
- 19577 Vallester, E. (1983). Annotations to: Conservation status listing of plants of Middle America.
- 19578 Hoff, M. (1993). Contribution à l'étude des *Turneraceae* des Guyanes: *Turnera rupestris* Aublet, espèce menacée de disparition en Guyane. (Studies on the flora of the Guianas no. 70). *Acta Bot. Gallica* 140(3):291-299.
- 19582 Metz, G.D. (1993). Proposed rule to reclassify Siler Pincushion Cactus from endangered to threatened status. Includes *Federal Register* publication on the state of *Pediocactus sileri* in the wild.
- 19588 Jebb, M. (1991). An account of *Nepenthes* in New Guinea. *Science in New Guinea* 17(1):7-49.
- 19594 Leach, G.J. & Osbourne, P.L. (1985). Freshwater plants of Papua New Guinea. Papua New Guinea: UPNG Press.
- 19605 Fay, M. (1994). *Cosmos atrosanguineus* a well known but endangered member of the Compositae. *Kew Scientist* 5:8.
- 19607 Oltean, M. (1994). Letter to Johanna Sidey concerning candidate check-list of threatened plants for the PHARE countries of Europe dated 13 April 1994. Includes list of 59 threatened species suggested for the check-list.
- 19608 Dihoru, G. (1994). Letter to Johanna Sidey concerning the candidate check-list of threatened plants for the PHARE countries of Europe dated 25 March 1994. Includes list of 34 species suggested for inclusion in the check-list.
- 19614 Johnson, D.V. (1994). Letter from SSC Palm specialist group to Harriet Gillett with list entitled "Palm database changes/corrections, Group 10, April 1994".
- 19615 Gajdos, P. (1994). Letter to Johanna Sidey concerning the candidate check-list of threatened plants for the PHARE countries of eastern Europe dated 17 April 1994. Includes comments and a list of taxa proposed for inclusion on the check-list.
- 19616 Zarzycki, K. (1994). Letter to Johanna Sidey concerning threatened vascular plants in Poland. Includes annotations to check-lists of threatened plants for the PHARE region of Europe.
- 19618 Granville, J.J. de & Henderson, A. (1988). A new species of *Asterogyne* (Palmae) from French Guiana. *Brittonia* 40:76-80.
- 19619 Henderson, A. & Steyermark, J. (1986). New palms from Venezuela. *Brittonia* 38:309-313.
- 19624 Gelderblom, C. (1994). Letter from Caroline Gelderblom to Dr Kerry Walter concerning lists of threatened plants in Southern Africa dated 7 March 1994. Contains comments by Craig Hilton-Taylor on the list for Zambia given by Mike Bingham (DS 19487).
- 19625 Moya Lopez, C.E. et al. (1991). *Goussia*

**Data sources for The 1997 IUCN Red List of Threatened Plants**

- spirituana* Moya et Leiva, sp. nov.: una nueva palma de Cuba Central. *Revista Del Jardin Botanico Nacional*(Cuba) 12:15-20.
- 19629 Simpson, R.B. (1994).** Pitchers in trade. A conservation review of the carnivorous plant genera *Sarracenia*, *Darlingtonia* and *Heliophora*. *Kew Conservation Review*:61.
- 19630 Lear, M. (1994).** Letter to Harriet Gillett dated 28 March 1994, enclosing extracts from "Plant Conservation in Fiji" written by Michael Lear and Beverley Woods in March 1992. Includes new draft threatened plant list.
- 19634 Anon. (1994).** Collections of the U.S. National Herbarium, Smithsonian Institution, Washington DC.
- 19695 Jenkins, M. (1994).** Email message to Harriet Gillett concerning re-discovery in the wild in Vietnam of *Paphiopedilum delenatii*. 1 pp.
- 19698 Kahn, F. & Moussa, F. (1994).** Diversity and conservation status of Peruvian palms. *Biodiversity and Conservation* 3:227-241.
- 19701 Palmer, M. (1994).** A strategic framework for the conservation of the native flora of Great Britain and Northern Ireland. Joint Nature Conservation Committee, English Nature, Countryside Council for Wales, Scottish Natural Heritage, Department of the Environment for Northern Ireland. 45 pp.
- 19703 Mill, R.R. (1994).** Annotations to Conifers - taxa listed on BG-BASE - status report as of 2 February 1994.
- 19704 Edwards, S. & Asfaw, Z. (1992).** The status of some plant resources in parts of Tropical Africa. *Botany 2000: East and Central Africa. NAPRECA Monograph Series No. 2.*
- 19706 Little, E.L., Woodbury, R.O., & Wadsworth, F.H. (1974).** Trees of Puerto Rico and The Virgin Islands. Second volume. Washington DC 20250: U.S. Dept. of Agriculture, Forest Service. Agriculture handbook no. 449.
- 19709 Peev, D. (1993).** Convention on the conservation of European wildlife and natural habitats. Threatened plant species in Bulgaria including candidate species for Appendix I of the Bern Convention. Strasbourg: Council of Europe. Standing Committee, 13th meeting.
- 19710 Sánta, A. (1993).** Convention on the conservation of European wildlife and natural habitats. Report on the biogeographical regions of Hungary and its main plant conservation problems and data sheets of species selected. Strasbourg: Council of Europe. 36 pp.
- 19711 Klaudivsova, A. (1993).** Convention on the conservation of European wildlife and natural habitats. Threatened plant species in the Czech Republic. Strasbourg: Council of Europe. 32 pp.
- 19712 Proctor, G.R. (1984).** Flora of the Cayman Islands. (Kew Bulletin Additional Series XI). Royal Botanic Gardens, Kew: London, HMSO. 834 pp.
- 19718 Benson, L. (1982).** The cacti of the United States and Canada. California: Stanford University Press. with line drawings by Lucretia Breazeale Hamilton.
- 19723 Farjon, A. (1994).** Annotations to: Conservation status listing of Conifers of the world dated 2 February 1994.
- 19727 De Laubenfels, D.J. (1988).** Coniferales. *Flora Malesiana* series I - spermatophyta, flowering plants 10(3).
- 19728 Anon. (1994).** English translation of the Flora Rei Popularis Sinicae (Flora of China).
- 19734 Leon, H. & Alain, H. (1953).** Flora de Cuba III Dicotiledoneas and Malpighiaceae to Myrtaceae. (No. 13). Contribuciones ocasionales del museo de historia natural de la salle. La Habana.
- 19737 Godfrey, R.K. (no date).** Trees, shrubs and woody vines of northern Florida and adjacent Georgia and Alabama. With the majority of illustrations by Melanie Darst. Athens and London: The University of Georgia Press.
- 19738 Britton, & Wilson. (1924).** Scientific survey of Porto Rico and the Virgin Islands. Volume V Botany of Porto Rico and the Virgin Islands. New York: New York Academy of Sciences. Pandanales to Ylymeleales.
- 19744 Brown, A. (1994).** Letter to Mike Maunder concerning reintroduction of *Calandrinia feltonii* in the Falkland Islands.
- 19748 White, C.T. (1926).** Ligneous plants collected in New Caledonia by C. T. White in 1923. *J. Arnold Arboretum* 7:74-103.
- 19751 Sicinski, J.T. (1994).** Letter to Johanna Sidey with regard to Polish threatened plant species for the CORINE-PHARE extension.
- 19752 Correll, D.S. (1981).** Annotations:List of threatened plants of Middle America. June 29, 1981.
- 19753 Gentry, H.S. (1981).** Annotations: List of threatened plants of Middle America.
- 19754 Burger, W. (1981).** Annotations: List of threatened plants of Middle America.
- 19755 Rzedowski, J. (1981).** Annotations: List of threatened plants of Middle America.
- 19757 Nauman, L. (1981).** Annotations: List of threatened plants of Middle America.
- 19758 Stolze, R. (1981).** Annotations: List of threatened plants of Middle America.
- 19760 Burt-Utley, K. (1981).** Annotations: List of threatened plants of Middle America.
- 19761 Smith, L.B. (1981).** Annotations: List of



## Data sources for The 1997 IUCN Red List of Threatened Plants

- threatened plants of Middle America.
- 19763** Stevenson, D. (1987). Annotations: List of threatened plants of Middle America.
- 19764** Smith, N.J.H., Williams, J.T., Plucknett, D.L., & Talbot, J.P. (1992). Tropical forests and their crops. USA: Cornell University. 568 pp.
- 19766** Goldblatt, P. & Jenrich, J. (1991). *Calydorea* Herbert (Iridaceae: Trigidieae): notes on this new world genus and reduction to synonymy of *Salpingostylis*, *Cardiostigma*, *Itysa*, and *Catila*. *Ann. Missouri Bot. Gard.* (78) 2:504-511.
- 19773** Meijer, W. & Wong, M. (1993). *Rafflesia cantleyi* and *R. hasseltii* compared. *Malayan Naturalist* 47(1 & 2):10-12. colour photographs.
- 19788** Davidse, G., Sousa S., M., & Chater, A.O. (eds.). (1994). *Flora Mesoamericana*. México City: Universidad Nacional Autónoma de México. 543 pp. (Vol. 6).
- 19790** Utley, J. (1987). Annotations: List of threatened plants of Middle America. December 17, 1987.
- 19791** Plowman, T. (1981). Annotations: List of threatened plants of Middle America. May, 1981.
- 19792** Gómez-Laurito, J. (1982). Annotations: List of threatened plants of Middle America. July, 1982.
- 19793** Holdridge, L. (1982). Annotations: List of threatened plants of Middle America. March 1982.
- 19794** Pringle, J. (1982). Annotations: List of threatened plants of Middle America. Jan 1982.
- 19796** Rudd, V. (1981). Annotations: List of threatened plants of Middle America. 28 Oct 1981.
- 19797** Dempster, L.T. (1981). Annotations: List of threatened plants of Middle America. November, 1981.
- 19798** Kiger, R. (1987). Annotations: List of threatened plants of Middle America. 14 December 1987.
- 19800** Johnston, M.C. (1981). Annotations: List of threatened plants of Middle America. September 1981.
- 19801** Pennington, T. (1982). Annotations: List of threatened plants of Middle America. January 1982.
- 19802** Williams, L.O. (1981). Annotations: List of threatened plants of Middle America. April 1981.
- 19803** Kirkbride, J. (1981). Annotations: List of threatened plants of Middle America. June 1981.
- 19804** Fernández-Pérez, A. (1981). Annotations: List of threatened plants of Middle America. September 1981.
- 19805** Cropper, S.C. (1993). Management of endangered plants. Victoria, Australia: CSIRO. 182 pp. Includes case studies of ten species.
- 19806** Jermy, A.C. (1994). Email message from SSC Fern group to Harriet Gillett concerning threat status of *Trichomanes speciosum* in Italy and the Canaries.
- 19812** Austin, D.F., de la Puente, F., & Contreras, J. (1991). *Ipomoea tabascana* an endangered tropical species. *Economic Botany* 45(3):435.
- 19818** Hernández-Bermejo, J.E. & Clement Muñoz, M. (1994). Protección de la flora en Andalucía. Andalucía: Junta de Andalucía, Consejería de Cultura y Medio Ambiente. 217 pp. includes list of endemic and threatened plants, 484 being endemic to Andalucía.
- 19823** Soto Arenas, M., Salazar, G., & Rojas, A. (1993). Nomenclatural changes in *Rhynchostele*, *Mesoglossum*, and *Lemboglossum* (Orchidaceae, Oncidiinae). *Orquidea*(Méx.) 13(1-2):145-152.
- 19824** Cribb, P.J. & Soto Arenas, M. (1993). The genera *Cypripedium* in Mexico and Central America. *Orquidea* (Méx.) 13(1-3):205-214.
- 19826** Teytaud, A.R. (1983). DRAFT study of management alternatives for the proposed protected areas at Sandy Cay and Norman Island, B.V.I. A report prepared for the BVI Parks and Protected Areas Project. ECNAMP and the Govt. of the British Virgin Islands. 63 pp.
- 19839** Dostál, J. (1982). Seznam. Cévnatých rostlin kveteny Československé. Praha: Prazská Botanická Zahrada Praha-Troja.
- 19840** Beldie, A.L. (1977-1979). Flora Romaniei. Determinator ilustrat al plantelor vasculare. Bucuresti: Editura Academiei Republicii Socialiste România, two volumes.
- 19841** Futák, J. & Bertová, L. (eds.). (no date). Flora Slovenská. Vydavateľstvo Slovenskej. Volume III.
- 19842** Hejny, S. & Slavík, B. (eds.). (1988). Kvetena České Socialistické Republiky I. Prague: Československá Akademie Ved.
- 19847** Jordanov, D. (1976). Flora Reipublicae Populares Bulgarica (Flora of the People's Republic of Bulgaria). Volume VI. Bulgaria: *In Aedibus Academiae Scientiarum Bulgaricae*.
- 19848** Orgaño del Gobierno Constitucional de los Estados Unidos Mexicanos. (1994). Diario Oficial de la Federación. 3-24 pp. Official list of threatened plants in Mexico.
- 19850** Secretaría de Desarrollo Social. (1994). Las especies y subespecies de flora y fauna silvestres terrestres y acuáticas en peligro de extinción, amenazadas, raras, y las sujetas a protección especial y que establece especificaciones para su protección. Mexico City: Secretaría de Desarrollo Social. Mexican law passed May 16, 1994.
- 19860** Puente, R. (1991). Annotations to: The conservation status listing of threatened plants of

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Middle America.
- 19866 **Hawkes, J.G. (1990).** The potato: evolution, biodiversity and genetic resources. London: Belhaven Press. 259 pp.
- 19869 **Dressler, R.L. (1993).** Field guide to the orchids of Costa Rica and Panama. Ithaca, NY.: Comstock Publishing Associates. 374 pp.
- 19873 **Atay, S. (1994).** Annotations to WCMC printout entitled "Turkey - conservation status listing of plants" dated 21 June 1994. Includes list of corrections by Prof. Dr. Neriman Ozhatay.
- 19874 **Davidse, G. (1994).** Letter to Jane Villa-Lobos dated 4 May 1994.
- 19878 **Supthut, D. (1994).** Annotations to: conservation status listing of species of Didiereaceae.
- 19879 **Supthut, D. (1994).** Annotations to conservation status listing of species of Apocynaceae.
- 19889 **Hodgson, W. (1994).** The Agave Family - information for the SSC Action Plan for Cacti and Succulents.
- 19890 **Kelly, D.L. (1994).** Systematic list of threatened flowering plant species in the Jamaican flora. List based on the appendix to Kelly, D.L. (1988) The threatened flowering plants of Jamaica. Biological Conservation 46: 201-216.
- 19893 **Suzan, H., Nabhan, G., & Patten, D. (1994).** Nurse plant and floral biology of a rare night-blooming cactus, *Peniocereus striatus* (Brandege) F. Bauxhaum. *Biology* 8(2):461-470.
- 19894 **Patterson, T. (1988).** A new species of *Picea* (Pinaceae) from Nuevo Leon, Mexico. *Sida* 13(2):131-136. Maps.
- 19904 **Gentry, J.L. & Standley, P.C. (1974).** Solanaceae in Flora of Guatemala. *Fieldiana: Botany*. 24 Part X. Numbers 1 & 2. Field Museum of Natural History.
- 19907 **Téllez Valdés, O. (1994).** Fax to WCMC containing a preliminary list of *Dioscorea* species from Mexico and Central America dated 14 September 1994.
- 19909 **Lear, M. (1994).** Fax to Harriet Gillett with additions to the Temperate Tree list dated 22 September 1994.
- 19911 **Morera, J. & Astorga, C. (eds.). (1993).** II reunion preparatoria para la creacion de la red mesoamericana de recursos fitogeneticos (REMERFI). [Preparatory meeting for the creation of the Mesoamerican Plant Genetic Resources Network REMERFI]. Turrialba, Costa Rica: CATIE/IBPGR/IICA. 129 pp.
- 19915 **Hawkes, J. (1994).** Annotations to WCMC printout entitled "Conservation status listing of *Solanum*".
- 19919 **Jones, M. (1994).** Letter to Harriet Gillett concerning *Berhautia senegalensis*.
- 19924 **Barretto, G.D. & Saye, J.L. Y. (1980).** Hong Kong Orchids. Urban Council. 108 pp.
- 19926 **Meerow, A. (1994).** Annotations to WCMC printout entitled "Threatened Plants of South America".
- 19932 **Luteyn, J.L. (1994).** Annotations to WCMC printout entitled "List of threatened plants of South America".
- 19934 **Kraus, F. (1991).** Biodiversity conservation on Guana Island, British Virgin Islands. *Proceedings of the Regional Symposium on Public and Private Cooperation in National Park Development* Road Town, Tortola, British Virgin Islands. 138 pp. British Virgin Islands National Parks Trust.
- 19937 **Le Sueur, F. (1984).** Flora of Jersey. Jersey, C.I.: Soci t  Jerseyaise. 244 pp. maps.
- 19938 **Roux, J.P., Ryan, P.G., Milton, S.J., & Moloney, C.L. (1992).** Vegetation and checklist of Inaccessible Island, central South Atlantic Ocean, with notes on Nightingale Island. *Bothalia* 22(1):93-109.
- 19940 **Hammer, M. L.A. (1994).** The status and distribution of *Catharanthus coriaceus* Markgraf (Apocynaceae). *Biodiversity and Conservation* 3:501-511. maps.
- 19941 **Cooper, J. & Ryan, P.G. (1994).** Management plan for the Gough Island wildlife reserve. Government of Tristan da Cunha. 96 pp. Appendix 5 contains an annotated list of vascular plants recorded from Gough Island.
- 19943 **Jim nez Madrigal, Q. (1993).** Arboles maderables en peligro de extincion en Costa Rica. San Jos , Costa Rica: Museo Nacional de Costa Rica. 121 pp.
- 19947 **Oltean, M. & Negrean, G. et al. (1994).** Lista rosie a plantelor superioare din Rom nia. Studii, sinteze, documentatii de Ecologie 1. Bucuresti. 52(2):52.
- 19949 **Dihoru, G. & Dihoru, A. (1994).** Plante rare, periclitate si endemice in flora Romaniei. Lista rosie Acta Botanica horti Bucurestiensis. 1993-1194 173-197.
- 19951 **Bertoni, S. et al. (1994).** Flora Amenazada del Paraguay. Ministerio de Agricultura y Ganaderia.
- 19954 **Cremers, G. (1994).** Annotations to: Threatened plants of French Guiana (South America).
- 19955 **Dihoru, G. (1994).** Annotations to: Conservation status listing of plants: Romania.
- 19956 **Dawn, J. (1994).** *Rafflesia* in Temenggor. *Malayan Naturalist* 47(3&4):26-27.
- 19960 **Soukup, J. (1987).** Vocabulario de los nombres vulgares de la flora peruana y catalogo de los generos. Lima (Peru): Editorial Salesiana. 436 pp.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 19961 Encarnación, F. (1983).** Nomenclatura de las especies forestales comunes en el Perú. (No.7). Proyecto PNUD/FAO/PERU/81/002. Lima. 147 pp.
- 19962 Centro de Datos Para la Conservación Peru. (1992).** Estado de conservación de la diversidad natural de la región noroeste del Perú. Lima: Universidad Nacional Agraria la Molina. 211 pp.
- 19964 Centro de Datos para la Conservación Peru. (1991).** Plan Director del Sistema Nacional de Unidades de Conservación (SINUC), una aproximación desde la diversidad biológica. Lima (Peru): Universidad Nacional Agraria la Molina. 153 pp.
- 19965 Tovar, O. (1990).** Tipos de vegetación, diversidad florística y estado de conservación de la cuenca del Mantaro. Lima: Universidad Nacional Agraria La Molina, Centro de Datos para la Conservación Perú. 73 pp.
- 19966 Tovar, O. (1993).** Las Gramineas (Poaceae) del Perú.
- 19970 Moreno Saiz, J.C. & Sainz Ollero, H. (no date).** Atlas corológico de las monocotiledoneas endémicas de la Península Ibérica e Islas Baleares. Ministerio de Agricultura Pesca y Alimentación.
- 19975 National Research Council. (1989).** Lost crops of the Incas: Little known plants of the Andes with promise for worldwide cultivation. Washington D.C.: National Academy Press. 415 pp.
- 19976 WCMC. (1994).** CITES species recorded in TAXATAB.
- 19977 Vásquez, R. (1989).** Plantas útiles de la Amazonia Peruana. (1). Iquitos - Perú. 194 pp.
- 19997 Cellinese, N., Jarvis, C.E., Press, J.R., Short, M.J., & Viciani, D. (comps.). (1994).** Threatened plants of Italy. Interim Report. European Plant Information Centre.
- 20007 Anon. (1995).** Convention on the conservation of European Wildlife and Natural Habitats - Proposal for amendment to Appendix I Presented by Cyprus. Strasbourg: Council of Europe. 8 pp. Proposes addition of *Centaurea akamantis*.
- 20013 Werner, W. (1995).** Annotations to WCMC printout entitled "Conservation status listing for Sri Lanka".
- 20015 Nakaike, T. (1995).** Annotations to WCMC printout entitled "Conservation status listing of tree ferns of Japan".
- 20016 Osborne, R. (1995).** The world cycad census and a proposed revision of the threatened species status for cycad taxa. *Biological Conservation* 71(1):1-12.
- 20017 Nakaike, T. (1992).** New flora of Japan. pteridophytes. 868 pp.
- 20018 Huang, T.C. (ed.). (1994).** Flora of Taiwan (2nd ed.). Pteridophyta Gymnospermae. Taipei: Editorial Committee of the Flora of Taiwan. 1-648 pp. Keys.
- 20025 Hágsater, E. (1993).** The genus *Epidendrum*. Part 1. A century of new species in *Epidendrum*. *Icones Orchidacearum*. Fascicle 2. 1-100 pp.
- 20035 Smith, A.R. & Grayum, M.H. (1988).** *Cyathea stolzei* x *ursina*, a distinctive tree fern hybrid from Costa Rica. *Amer. Fern J.* 78(3):105-108.
- 20039 Braun, K. (1994).** Swaziland National Trust Commission threatened plant database printout. Includes letter from Kate Braun (SNTC) to Harriet Gillett (WCMC).
- 20041 Reynel, C. & Pennington, T. (1989).** Reporte sobre los cedros y su situación en el Perú, una contribución al conocimiento y la conservación de las Meliáceas peruanas. Lima: Universidad Nacional Agraria La Molina, Centro de Datos Para la Conservación Perú. 100 pp.
- 20042 Reynel, C. (1986).** Aproximación a la taxonomía, distribución y status de las Moráceas peruanas. Lima: Universidad Nacional Agraria La Molina. Facultad de Ciencias Forestales.
- 20045 Kramer, K.U. & Green, P.S. (eds.). (1990).** The families and genera of vascular plants. Volume 1. Pteridophytes and Gymnosperms. Springer-Verlag. 404 pp.
- 20046 Carpio, C. (1994).** Annotations to: Threatened Plants of South America - Peru.
- 20050 Nelson, C. (1995).** Annotations to: Conservation status listing of threatened plants of Honduras returned February 21, 1995.
- 20051 Leigh, J.H. & Briggs, J.D. (1992).** Threatened Australian plants. Overview and Case Studies. Australian National Parks and Wildlife Service. 120 pp.
- 20057 Beentje, H.J. (1994).** Kenya trees, shrubs and lianas. Nairobi, Kenya: National Museums of Kenya. 722 pp. includes IUCN threat category.
- 20064 Egli, U. & Taylor, N. (eds.). (1994).** List of names of succulent plants other than cacti. Whitstable, Kent: Whitstable Litho. 176 pp. From Repertorium Plantarum Succulentarum (1950-1992).
- 20065 Lock, J.M. & Heald, J. (1994).** Legumes of Indo-China. A checklist. The Royal Botanic Gardens, Kew. 164 pp.
- 20067 Anderson, E.F., Arias Montes, S., & Taylor, N.P. (1994).** Threatened cacti of Mexico. Kew, England: The Royal Botanic Gardens, Kew. 135 pp.
- 20071 Dransfield, J. & Beentje, H.J. (1995).** Palms of Madagascar. Royal Botanic Garden, Kew. 500 pp. Includes IUCN threat categories.
- 20072 Grubb, P.J. & Tanner, E.V.J. (1976).** The montane forests and soils of Jamaica: a reassessment.

Data sources for The 1997 IUCN Red List of Threatened Plants

- Journal of the Arnold Arboretum* 57:313-368. maps.
- 20074 Gentry, A.H. (1992). Bignoniaceae - Part II (Tribe Tecomeae). *Flora Neotropica Monograph* No.25(II).
- 20076 Ramos Lopes, M.H. & Carvalho, M.L.S. (1990). Lista de espécies botánicas a proteger em Portugal Continental. [List of botanical species in need of protection in continental Portugal]. Lisboa, Portugal: Ministerio do Ambiente e dos Recursos Naturais. 11 pp.
- 20078 U.S. Department of the Interior. Fish and Wildlife Service. (1995). Memorandum requesting information on Acuña cactus (*Echinomastus erectocentrus*) including a status summary.
- 20079 U.S. Department of the Interior. Fish and Wildlife Service. (1993). Endangered and threatened wildlife and plants. (50 CFR 17.11 & 17.12).
- 20081 Pereira Carauta, J.P. (1989). *Ficus*(Moraceae) no Brazil: Conservação e taxonomia. *Albertoa* 2(1):1-350.
- 20083 Aronsson, M., Hallingbäck, T., & Mattsson, J.-E. (eds.). (1995). Rödlistade växter i Sverige. [Swedish Red Data Book of plants]. Lists 445 threatened vascular plants.
- 20084 Morat, Ph., Deroin, Th., & Couderc, H. (1994). Présence en Nouvelle-Calédonie d'une espèce endémique du genre *Oryza* L. (Gramineae). *Bull. Mus. Natl. Hist. Nat.* Paris (4) 16(1):3-10.
- 20085 Anon. (1994). Flora Conservation. Revised 1994 CAFF lists of flora at risk in the circumpolar Arctic. Appendix 1. 39 pp.
- 20087 Gillett, J.B. (1993). Annotations to WCMC printout entitled "Kenya Conservation Status Listing of Plants - annotated by Jan B. Gillett". Includes letter to Harriet Gillett with additional comments.
- 20093 Zamora, P.M. & Co, L. (1986). Guide to Philippine flora and fauna. Vol. III. Economic Ferns, Endemic Ferns and Gymnosperms. Quezon City: Ministry of Natural Resources & University of the Philippines. 268 pp.
- 20099 Ng, P.K.L. & Wee, Y.C. (eds.). (1994). The Singapore Red Data Book. Threatened Plants and Animals of Singapore. Singapore: The Nature Society. 343 pp.
- 20103 Taylor, P. (1989). The genus *Utricularia* - a taxonomic monograph. Kew Bulletin Additional Series IV.
- 20118 Villasenor, J.L., Dávila, P., & Chiang, F. (1990). Fitogeografía del Valle de Tehuacán-Cuicatlán. *Biol. Soc. Bot. México* 50:135-149.
- 20137 Delucchi, G. & Correa, R.F. (1992). Situación ambiental de la Provincia de Buenos Aires. A. Recursos y rasgos naturales en la evaluación ambiental. Las especies vegetales amenazadas de la Provincia de Buenos Aires. La Plata: Provincia de Buenos Aires Comisión de Investigaciones Científicas. 39 pp.
- 20146 Ghazanfar, S.A. (1995). Plant conservation in Oman. Part 1. A study of the endemic, regionally endemic and threatened plants of the Sultanate of Oman. 62 pp. Compiled with Anthony G. Miller, Ian McLeish, Tom A. Cope, Phil Cribb and Salim H. Al Rawahi.
- 20155 Norman, E. (1995). Annotations to: list of threatened plants of Latin America. 9 February 1995.
- 20162 Beentje, H. (1995). Letter to Charlotte Jenkins with information regarding threatened plants in Kenya and threatened palms in Madagascar.
- 20171 Tutin, T.G., Heywood, V.H., Burges, N.A., Valentine, D.H., Walters, S.M., & Webb, D.A. (eds.). (1995). *Flora Europaea* Vol 1-5. Electronic dataset supplied by R.J Pankhurst, Royal Botanic Garden Edinburgh, May 1995.
- 20175 Aronsson, M., Hallingbäck, T., & Mattsson, J.-E. (eds.). (1995). Rödlistade växter i Sverige 1995. [Swedish red data book of plants 1995]. Uppsala: ArtDatabanken. 271 pp.
- 20176 Chebez, J.C. (1994). Los que se van. Especies Argentinas en peligro. Buenos Aires, Argentina: Albatros. 604 pp. Con ilustraciones de Aldo Chiappe.
- 20178 Vangjeli, J., Ruci, B., & Mullaj, A. (1995). Libri i kuq. Bimët e kërcënuara e të rralla të Shqipërisë. [Red Book of threatened and rare plant species of Albania]. Tirana: Akademia e Shkencave e Republikës së Shqipërisë & Instituti i Kërkimeve Biologjike Komiteti i Mbrojtjes së Mjedisit. 169 pp. Lists 320 rare and threatened plants, including 4 extinct and 12 probably extinct species.
- 20185 Lorence, D., Flynn, T., & Wagner, W.L. (1995). Contributions to the flora of Hawai'i III. New additions, range extensions and rediscoveries of flowering plants. *Bishop Museum Occasional Papers* 41:19-58.
- 20202 Jacobsen, H. (1970). Lexicon of succulent plants.
- 20204 Ansari, M.Y. (1971). *Ceropegia media* (Huber) Ansari stat. nov. from Western Ghats (Maharashtra). *Bull. Bot. Survey India* 11:199-201.
- 20206 Bally, P.R.O. (1965). Miscellaneous notes on the flora of tropical East Africa, including descriptions of new taxa, 23-28. *Candollea* 20:13-41.
- 20207 Dyer, R.A. (1983). *Ceropegia*, *Brachystelma* and *Riocreuxia* in Southern Africa. Rotterdam: A.A. Balkema. 242 pp.
- 20211 Albers, F. & Meve, U. (1995). Annex 2: List of Asclepiadaceae of conservation concern. In SSC Action Plan for cacti and succulents. 6 pp.
- 20212 Bruyns, P.V. (1989). The genus *Ceropegia* in Arabia. *Notes Roy. Bot. Gard. Edinburgh* 45:287-326.

Data sources for The 1997 IUCN Red List of Threatened Plants

- 20213 Meve, U. & Liede, S. (1994). A conspectus of *Ceropegia* L. (Asclepiadaceae) in Madagascar, and the establishment of *C.* sect. *Dimorpha* (Engl.). *Phyton* 34(1):131-142.
- 20216 Francisco-Ortego, J., Hawkes, J.G., Lester, R.N., & Acebes-Ginové, J.R. (1993). *Normania*, an endemic Macaronesian genus distinct from *Solanum* (Solanaceae). *Plant Systematics and Evolution* 185:189-205.
- 20224 Soerianegara, I. & Lemmens, R.H.M.J. (eds.). (1993). PROSEA 5(1). Timber trees: major commercial timbers. Wageningen: Pudoc Scientific Publishers. 610 pp.
- 20228 Malaisse, F. & Schaijes, M. (1993). Notes on the *Ceropegias* of South East Zaire. *Asklepios* 58:21-30.
- 20263 Ved, D.K. (1995). Plants under threat - New List Forged. (from FRLHT). *AMRUTH* 5:2-3.
- 20264 Carter, S. (1994). *Aloaceae in Flora of Tropical East Africa*. Rotterdam: A.A. Balkema. 60 pp.
- 20266 Sane, H.D. & Ghate, V.S. (1993). Range extension of endemic *Ceropegia huberi* Ansari in Maharashtra. *Journal Bombay Natural History Society* 90:126-127.
- 20271 Friis, I. (1992). Forests and Forest Trees of Northeast Tropical Africa. Their Natural Habitats and Distribution Patterns in Ethiopia, Djibouti and Somalia. Middlesex, UK: HMSO. 396 pp.
- 20272 Bingham, M. (1995). Letter to Mike Maunder concerning conservation status of *Calandrinia feltonii*.
- 20273 Albers, F. (1995). Annotations to WCMC printout entitled "Conservation status listing of *Ceropegia*".
- 20274 Hawthorne, W.D. (1995). Ecological profiles of Ghanaian forest trees. Oxford Forestry Institute. 345 pp. *Tropical Forestry Papers* 29.
- 20276 Bruyns, P.V. (1984). *Ceropegia*, *Brachystelma* and *Tenaris* in South West Africa. *Dinteria* 17:3-80.
- 20283 Govaerts, R. (1994). Checklist of *Quercus* species world wide.
- 20306 Gerbault, M. (1992). Die gattung *Anacampseros* L. (Portulacaceae). Untersuchungen zur systematik. [The genus *Anacampseros* L. (Portulacaceae). Investigations into systematics]. *Bot. Jahrb Syst.* 113(4):477-564.
- 20308 Rowley, G.D. (1994). *Anacampseros* and allied genera - a reassessment. *Bradleya* 12:105-112.
- 20310 Reitz, R., Klein, R.M., & Reis, A. (1978). Projeto Madeira de Santa Catarina. Levantamento das espécies florestais nativas em Santa Catarina com a possibilidade de incremento e desenvolvimento. Itajaí, Santa Catarina: Herbário "Barbosa Rodrigues" - HBR. 320 pp.
- 20311 Reitz, R., Klein, R.M., & Reis, A. (1983). Projeto Madeira de Rio Grande do Sul. Levantamento das espécies florestais nativas com possibilidade de incremento e desenvolvimento. Herbário "Barbosa Rodrigues" - HBR. 528 pp.
- 20316 Hill, K. (1994). Extract from Flora of Australia Vol 48 - Gymnosperms. keys.
- 20318 Stanley, & Ross. (1989). Flora of South Eastern Queensland. Vol.3. Brisbane: Qsld. Dept. Primary Industries. keys.
- 20326 Allan, H.H. (1961). Flora of New Zealand. (1). Wellington: R.E.Owen, Government Printer. 1085 pp. keys.
- 20328 Quinn, C.J. (1982). The Taxonomy of *Dacrydium* Sol. ex Lamb emend de Laub (*Podocarpaceae*). *Australian Journal of Botany* 30:311-320. Keys.
- 20329 Laubenfels, D.J. de. (1972). Flore de la Nouvelle-Calédonie et Dépendances. (4). Gymnospermes. Paris: Muséum National d'Histoire Naturelle. 167 pp. Maps, illus.
- 20333 Laubenfels, D.J. de & Silba, J. (1987). The *Agathis* of Espiritu Santo (*Araucariaceae*, New Hebrides). *Phytologia* 61:448-452. Illus.
- 20337 Silba, J. (1984). An International Census of the Coniferae. *Phytologia* 7:3-79. Checklist.
- 20342 Page, C.N. (1988). New and Maintained Genera in the Conifer Families Podocarpaceae and Pinaceae. *Notes From the Royal Botanic Garden Edinburgh* 45(2):377-395.
- 20343 Laubenfels, D. de. (1984). Un nuevo *Podocarpus* (Podocarpaceae) de la Espanola. *Moscosoa* 3:149-150.
- 20344 McVaugh, R. (1992). Flora Novo-Galiciana. Vol 17 Gymnosperms and Pteridophytes. Ann Arbor, Michigan: University of Michigan Herbarium. 467 pp. Keys, illus.
- 20346 Morin, N.R. (ed.). (1993). Flora of North America - North of Mexico. Pteridophytes and Gymnosperms Vol 2. New York: Oxford University Press. 475 pp. Keys, maps, illus.
- 20350 Laubenfels, D. de. (1982). Flora de Venezuela. Podocarpaceae. Caracas: Instituto Nacional de Parques, Educacion Ambiental. 71-86 pp. Keys, illus.
- 20352 Leroy, J. (ed.). (1972). Flore de Madagascar et des Comores. Gymnospermes. Paris: Museum National D'Histoire Naturelle. 25 pp. Keys.
- 20353 Laubenfels, D. de. (1991). The Podocarpaceae of Costa Rica. *Brenesia* 33:119-121. Keys.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 20354 Killeen, T.J. (1993). Guia de Arboles de Bolivia. La Paz, Bolivia: Herbario Nacional de Bolivia. Keys.
- 20356 Silba, J. (1990). Supplement to the International Census of the Coniferae II. *Phytologia* 68(1):7-78. Checklist.
- 20358 Tripp, K.E. (1995). *Cephalotaxus* The Plum Yew. *Arnoldia* 55(1):24-40. Illus.
- 20362 Laubenfels, D. de. (1985). Taxonomic Revision of *Podocarpus*. *Blumea* 30(2):251-278. Keys.
- 20365 Zanoni, T.A. & Hager, J. (1993). Le Vegetation Natural de la Republica Dominicana; un Neuvo Classification. *Moscovia* 3:39-81. Illus.
- 20366 Haber, W.A. (1991). Lista Provisional de las Plantas de Monteverde. Costa Rica. *Brenesia* 34:63-120. checklist.
- 20367 Laubenfels, D. de. (1969). A Revision of the Malesian and Pacific Rainforest Conifers. Parts 1 & 2. *Journal of the Arnold Arboretum* 50:274-369. Keys, maps.
- 20368 Staskiewicz, J. (1988). A taxonomic revision of the genus *Podocarpus* from the Greater and Lesser Antilles. *Fragmenta Floristica et Geobotanica* 33(1-2):71-106. Keys, maps.
- 20369 Zanoni, T.A. (1982). Flora de Veracruz. *Taxodiaceae* Fasc. 25. Xalapa, Veracruz: Instituto Nacional de Investigacions Sobre Recursos Bioticos.
- 20372 Kirkpatrick, J. (1989). The Conservation and Reservation Status of Tasmanian Higher Plants. Wildlife Division Scientific Report No. 91/2. Hobart: Department of Parks, Wildlife and Heritage. Maps.
- 20374 Adam, P. (1992). Australian Rainforests. New York: Oxford University Press. 137-178 pp. Maps, illus.
- 20376 Dvorak, W.S. & Donahue, J.K. (1992). CAMCORE Cooperative Research Review 1980-1992. Forestry Department, North Carolina State University, USA: CAMCORE (La Cooperativa de Recursos de Coniferas de Centroamérica y México). 94 pp. Maps, illus.
- 20377 Troupin, G. (ed.). (1982). Flore des plantes ligneuses de Rwanda. Terverun, Belgium: Musée Royal de L'afrique Central. Keys, illus.
- 20387 Thulin, M. (1993). Flora of Somalia - Vol 1. Surrey: RBG Kew. Keys.
- 20389 Barry, J.P. (1970). Essai de monographie du *Cupressus dupreziana* A.Camus, cyprès endémique du Tassili des Ajjer (Sahara Central). *Bull. Soc. Hist. Nat. Afrique Nord Alger* 61:95-178. Maps, illus.
- 20406 Ibanez, J. et al. (1989). Data on a Population of *Tetraclinis articulata* (Vahl) Masters. *Ecologia* 3:99-106.
- 20409 Jaffre, T., Veillon, J.M., & Cherrier, J.F. (1987). on the occurrence of two Cupressaceae, *Neocallitropsis pancheri* and *Libocedrus austrocaledonica* in the Mt Paéua area and new sites for the gymnosperms in New Caledonia. *Bulletin de Museum National d'Histoire Naturelle Section B Adansonia* 9(3):273-288. Maps.
- 20416 Sachsse, H. & Schulte, E. (1987). Some important wood properties of the Bolivian *Podocarpus parlatorei*. *Holz Als Roh-Und Werkstoff* 45(12):475-480.
- 20418 Martinez, P. (1981). Flora and phytosociology of relict stands containing *Pilgerodendron uviferum* in San Pablode Tregua Farm. *Bosque* 4(1):3-11.
- 20419 Silba, M.D.G. (1983). Flora de Mocambique - 1. Cycadaceae. 2. Podocarpaceae. 3. Cupressaceae. Lisbon: Instituto de Investigaçao Cientifica Tropical. 44 pp. Keys, illus.
- 20427 Stein, A.H. (1956). Natural Forests of Chile. *Unasylya* 10(4):155-161. Maps, illus.
- 20430 Houerou, H.N. (1969). Le Vegetation de la Tunisie Steppique. [Vegetation of the Tunisian Steppe]. *Annales de l'Institut National de la Recherche Agronomique de Tunisie* 42(5):620. Maps, illus.
- 20437 Whitmore, T.C. (1977). A First Look at *Agathis*. Tropical Forestry Papers No. 11 Oxford: Unit of Tropical Silviculture, Dept. of Forestry, Comm. For. Institute. Maps, illus.
- 20438 Ntima, O.O. (1968). The Araucarias - fast growing timber trees of the tropics. Trees of the Lowland Tropics No. 3. Oxford: Unit of Tropical Silviculture, Dept. of Forestry, Comm. For. Institute. Maps, illus.
- 20443 Laubenfels, D. de. (1978). The Taxonomy of Philippine Coniferae and Taxaceae. *Kalikasan* 7(2):117-152. Keys.
- 20445 Birks, J.S. & Barnes, R.D. (1990). Provenance variation in *Pinus caribbaea*, *Pinus oocarpa* and *Pinus patula* ssp. *tecunumanii*. Tropical Forestry Papers No.21 Oxford: Unit for Tropical Silviculture, Comm. For. Instit., Univ. of Oxford. Maps, illus.
- 20452 Whitmore, T.C. (ed.). (1972). Tree Flora of Malaya - a Manual for Foresters Vol 1. Hong Kong: Longman. 470 pp. Illus.
- 20454 Pham-Hoàng, H. (ed.). (1991). An Illustrated Flora of Vietnam. (3). Saigon: Mekong Press. Illus., keys.
- 20456 Little, E.L. & Critchfield, W.B. (1966). Geographic Distribution of the Pines of the World. USDA Misc. Pub. No. 991 Washington: United States Department of Agriculture. 100 pp. Maps.
- 20457 Wolf, C.B. & Wagener, W.W. (1948). The New

## Data sources for The 1997 IUCN Red List of Threatened Plants

- World Cypresses. Vol.1 Pt.1. Anaheim: Rancho Santa Ana Botanical Garden. 1-248 pp. Maps, illus.
- 20458** Barnes, R.D. & Styles, B.T. (1983). The Closed Cone Pines of Mexico and Central America. *Comm. For. Review* 62:81-84. Maps, keys, illus.
- 20460** Darrow, W.K. & Zanoni, T.A. (1990). Hispaniolan *Pinus occidentalis* - a little known pine of economic potential. *Comm. For. Rev.* 69:69(2)
- 20464** Orchard, A.E. (ed.). (1994). Flora of Australia. Vol. 49 - Oceanic Islands. Canberra: Australian Government Publishing Service. Keys, maps.
- 20465** Bailey, D.K. (1983). A new allopatric segregate from a new combination in *Pinus cembroides* Zucc. at its southern limits. *Phytologia* 54(2):89-101. Keys, maps.
- 20468** Styles, B.T. & Hughes, C.E. (1983). Studies of variation in Central American Pines 3. Notes on the taxonomy and nomenclature of the pine and related gymnosperms in Honduras and the adjacent Latin American Republics. *Brenesia* 21:269-291. Keys, maps.
- 20471** Styles, B.T. & McCarter, P.S. (1988). The Botany, Ecology, Distribution and Conservation Status of *Pinus patulasp.tecunumanii* in the Republic of Honduras. *Ceiba* 24(1-2):3-31. Maps, illus.
- 20475** Taylor, R.J. & Patterson, T.F. (1980). Biosystematics of Mexican Spruce species and Populations. *Taxon* 29(4):421-467. Maps, illus.
- 20477** Beaman, R.S. & Beaman, J. (1993). The Gymnosperms of Mt Kinabalu. *Contributions from the University of Michigan Herbarium* 19:307-341. Checklist.
- 20479** Riskind, D.H. & Patterson, T.F. (1975). Distributional and ecological notes on *Pinus culminicola*. *Madrone* 23:159-161. Maps.
- 20480** Gordon, A.G. (1968). The ecology of *Picea chihuahuana* Mart. *Ecology* 49:880-896. Maps, illus.
- 20481** Tioong, S.K.K. (1984). *Podocarpus laubenfelsii* : a new species from Borneo. *Blumea* 29:523-524.
- 20482** Whitmore, T.C. (1980). A monograph of *Agathis*. *Plant Systematics and Evolution* 135:41-69. Keys, maps.
- 20485** Yuncker, T.G. (1959). Plants of Tonga. *Bernice P. Bishop Museum Bulletin* 220:283.
- 20487** Hancock, I.R. & Henderson, C.P. (1988). Flora of the Solomon Islands. research Bulletin No.7. Dodo Creek Research Station Honiara: Research Department, Ministry of Agriculture and Lands.
- 20489** Pisano, E. (1983). The Magellanic Tundra Complex. Ecosystems of the World 4b: Mires, Swamp, Bog, Fen and Moor. Amsterdam: Elsevier. 295-328 pp.
- 20493** Steyermark, J.A. (1986). Speciation and Endemism in the Flora of the Venezuelan Tepuis. p. 644 in High Altitude Tropical Biogeography. New York: Oxford Uni. Press.
- 20495** Ferguson, D.K. (1985). A new species of *Amentotaxus* (Taxaceae) from North Eastern India. *Kew Bulletin* 40(1):115-119.
- 20496** Ferguson, D.K. (1989). On Vietnamese *Amentotaxus*. *Bull. Mus. Natn. Hist. Paris* (4) 11.
- 20497** Kolbeck, J. & Kucera, M. (1989). A Brief Survey of Selected Woody Species of North Korea. Pruhonice, Czechoslovakia: Botanical Institute, Czech Academy of Sciences.
- 20501** Hayashi, Y. (1952). The Natural Distribution of Important Trees Indigenous to Japan. Conifers: Report 2. *Bull. Govt. For. Experimental Station* Tokyo. Maps, illus.
- 20502** Hayashi, Y. (1951). The Natural Distribution of Important Trees Indigenous to Japan. Conifers: Report 1. *Bull. Govt. For. Experimental Station* Tokyo. Maps, illus.
- 20507** Page, C.N. (1980). *Picea farreri*, a new temperate conifer from upper Burma. *Notes from the Royal Botanic Garden Edinburgh* 38(1):129-136. Maps, illus.
- 20509** Donahue, J.K. (1995). Observations on *Pinus maximartinezii* Rzedowski. *Madrone* 42(1):19-25. Maps, illus.
- 20511** Taiwan Endemic Species Research Institute. (1995). Conservation Status Listing of Plants in Taiwan (Draft). 79 pp.
- 20513** Prospect. (1995). Species listing from the PROSPECT database. Distributions and names of c. 1250 species.
- 20528** Olivier, L., Galland, J., & Maurin, H. (eds.). (1995). Livre rouge de la flore menacée de France. Tome 1: Espèces prioritaires. [Red book of threatened plants of France. Volume 1: Priority species]. Paris: Muséum National d'Histoire Naturelle. 486 pp.
- 20556** Knox, E.B. (1995). The List of East African Plants (LEAP): An electronic database (Draft). 72 pp.
- 20572** Timberlake, J.R. (1995). Annotations to WCMC printout entitled "Conservation status listing for Zimbabwe".
- 20574** Timberlake, J.R. & Mapaire, I. (1992). Vegetation and its conservation in the Eastern mid-Zambezi valley, Zimbabwe. *Transactions of the Zimbabwe Scientific Association* 66:1-14. maps.
- 20575** Timberlake, J.R. & Shaw, P. (eds.). (1994). Chirinda forest - a visitor's guide. Harare, Zimbabwe: Division of Research & Development, Zimbabwe Forestry

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Commission. 158 pp.
- 20578 Supthut, D. & Nyffeler, R. (comps.). (1994).** List of Madagascar succulent plant species. Annex to the Succulent Action Plan 1995. 11 pp.
- 20580 Gioda, A. (1994).** Fax to Gérard Sournia concerning rediscovery of *Bipinnula taltalensis* in Chile.
- 20587 Wigginton, M. (1995).** British Red Data Books: vascular plants - draft list. 8 pp. Includes old and new IUCN categories.
- 20593 Lawalrée, A. & Delvosalle, L. (1969).** Pteridophytes et Spermatophytes rares, disparus ou menacées de disparition en Belgique. Delvosalle, L., Demare, F., Lambinon, J. & Lawalrée Plantes rares, disparus ou menacées de disparition en Belgique: L'appauvrissement de la flore indigène. Min.V. Landbouw, Best. V. Watres En Bossen, Dienst Domaniale Natuurreservaten En Natuurbescherming, Werken Nr.4. 23-96 pp.
- 20604 Hilton-Taylor, C. (1996).** Red Data List of southern African plants. Strelitzia 4. Pretoria, South Africa: National Botanical Institute. 117 pp.
- 20609 Colling, G. & Reichling, L. (1995).** Red data book of Luxembourg: Pteridophyta and Spermatophyta. Draft document.
- 20618 Guener, A. (1995).** Conservation status of Turkish woody plants. 12 pp.
- 20619 Németh, F. (1995).** Letter to Donna Smith containing annotations to WCMC list of plants of Hungary.
- 20620 Kuusk, V. (1995).** Annotations to WCMC list of plants of Estonia, both nationally and globally threatened.
- 20625 Oates, M.R. & de Lange, P.J. (1995).** Annotations to: Conservation status listing of plants of New Zealand.
- 20626 Ohba, H. (1995).** List of endangered tree species of Japan. 4 pp.
- 20627 Degteva, S. (1995).** Annotations to WCMC list of plants of the Russian Federation.
- 20628 Czerepanov, S.K. (ed.). (1995).** Plantae vasculares rossicae et civitatum collimitanearum. St Petersburg: World and Family-95 Ltd. 990 pp. Russian Edition.
- 20631 Sávulescu, T. (ed.). (1952-1970).** Flora Republicii Populare Române. Bucuresti: Flora Republicii Socialist România.
- 20635 Dîhoru, G. (1987).** Plante endemice in flora României. Bucuresti: Editura Ceres. 183 pp.
- 20640 Korneck, D., Schnittler, M., & Vollmer, I. (1995).** Rote Liste der Fern- und Blütenpflanzen. in Rote Listen Gefährdeter Pflanzen in Deutschland. - Schr.R. Vegetations Kunde. Germany: Bundesamt Für Naturschutz. in preparation.
- 20644 Schnittler, M. (1995).** Annotations to WCMC list of plants of Germany, including new list of datasources for Germany.
- 20645 Mavol, J. (1995).** Annotations to WCMC list of plants of the Balearic Islands, including new list of datasources for the Balearic Islands.
- 20647 Mus, M. (1994).** Conservation of flora in the Balearic Islands. in *Ecologia Mediterranea* 20(3).
- 20648 Castroviejo, S., Lainz, M., Lopez Gonzalez, G., Montserrat, P., Muñoz Garmendia, F., Paiva, J., & Villar, L. (1993).** Flora Ibérica. Plantas vasculares de la Península Ibérica e Islas Baleares. Volumes I-IV 1986-1993. Madrid: Real Jardín Botánico. CSIC.
- 20649 Anon. (1936-1965).** Flora of UkrSSR. Kiev: Publishing House of Academy of Sciences of Ukrssr. vol. 1-12.
- 20650 Andrienko, T.L. (1995).** Annotations to WCMC list of plants of Ukraine, including new list of datasources for Ukraine.
- 20651 Mus, M. (1983).** Plans de Conservació dels Vegetals Amenacats de les Balears. I. Mallorca. II Menorca. III Pitiuses. Palma de Mallorca: Conselleria d'Agricultura i Pesca. Govern Balear.
- 20653 Anon. (1987).** Determinant of higher plants of Ukraine. Kiev: Naukova Dumka. 546 pp.
- 20654 Anon. (1972).** Determinant of higher plants of Crimea. Leningrad: Nauka. 560 pp.
- 20655 Anon. (1994).** Red Book of the Ukraine. Kiev: Ukrainska Encyclopedia. part 1, animals part 2, plants in print.
- 20656 Rossello, J.A., Cubas, P., & Torres, N. (1992).** An annotated check-list of the Balearic vascular flora. I. Pteridophyta-Coniferophytina. *Candollea* 47:61-69.
- 20659 Mus, M. (1990).** Taxonomia i nomenclatura de plantes baleariques. In *Boll. Soc. Hist. Nat. Balears* 32:153-154.
- 20660 Aparicio, A. (1995).** Annotations to WCMC list of plants of Spain, including new list of datasources for Spain.
- 20661 Rivas-Martinez, S., Asensi, A., Molero, J., & Valle, F. (1991).** Endemisms vasculares de Andalucía. *Rivagodaya* 6:5-76.
- 20663 Castroviejo, S. et al. (1990).** Flora Iberica II.
- 20664 Aparicio, A. (1993).** Plans de separación de species vegetales avenatodes en el Parque Natural Sierra de Grazelema (Cádiz-Málaga). *Acta Bot.*



**Data sources for The 1997 IUCN Red List of Threatened Plants**

*Malacitana* 18:199-221.

- 20665 Aparicio, A. & Guisande, R. (1995). Ecología, Conservación de *Echinopartum algibicum* Talever & Mpaaho (Gelintae, Fabaceae). *Acta Bot. Malacitana* 20. in press.
- 20671 Smith, A.C. (1971). Studies of Pacific Island Plants, XXIII. The Genus *Diospyros* (Ebenaceae) in Fiji, Samoa, and Tonga. *Journal of the Arnold Arboretum* 52(3):369-403.
- 20673 Rassi, P., Kaipainen, H., Mannerkoski, I., & Stehls, G. (eds.). (1992). Uhanalaisten elinten ja kasvien seuranta-toimikunnan mietint. [Report on the monitoring of threatened animals and plants in Finland]. Helsinki: Ministry of the Environment. 328 pp. in Finnish.
- 20676 Lemmens, R.H.M.J., Soerianegara, I., & Wong, W.C. (eds.). (1995). Plant Resources of South-East Asia No 5(2). Timber Trees: Minor commercial timbers. Leiden: Backhuys Publishers. 655 pp.
- 20677 Ammann, K., Derron, M., Landolt, E., & Moser, D.H. (1995). Annotations and additions to WCMC printout entitled "Switzerland - globally threatened taxa. Status report as of 3 October 1995".
- 20678 Sunderland, T. & Ndam, N. (eds.). (1994). Mount Cameroon Project - 1st annual science review. 31 pp.
- 20681 Briggs, J.D. & Leigh, J.H. (1996). Rare or threatened Australian plants. Melbourne, Australia: CSIRO Publications.
- 20686 Rakonczay, Z. (ed.). (1990). Voros Konyu. [Hungarian Red Data Book]. Budapest: Akadémiai Kiadó. 360 pp.
- 20689 Nootboom, H.P. (1985). Notes on Magnoliaceae with a revision of *Pachylarnax* and *Elmerrillia* and the Malesian species of *Manglietia* and *Michelia*. *Blumea* 31:65-121.
- 20690 Laguna, E. (1995). Annotations to WCMC list of plants of Spain. Report about Valencian exclusive endemics.
- 20692 Laguna, E. (comp.). (1994). Libro de la flora vascular rara, endémica o amenazada de la Comunidad Valenciana. Valencia: Conselleria de Medi Ambient de la Generalitat Valenciana. 275 pp. with 400 colour photographs.
- 20698 Güner, A. & Zielinski, J. (comps.). (1995). The conservation status of the Turkish woody flora. 17 pp.
- 20699 Mateo, G. & Crespo, M.B. (1990). Claves para la flora valenciana. *Del Cenia al Segura*. Valencia.
- 20700 Olivares, A., Peris, J.B., Stübing, G., & Martín, J. (1995). *Cheirolophus lagunae* sp. nov. (Asteraceae). endemismo iberolevantino. *Anales Jard. Bot. Madrid* 53(2):
- 20701 Crespo, M.B. (1995). pers. com. concerning *Limonium scopulorum* from Dr M.B. Crespo of University of Alicante to E. Laguna.
- 20704 Carvalho, M.L.S. & Arriegas, P.I. (1995). Letter to Harriet Gillett concerning endangered plants in Portugal. Includes annotated printouts of Portugal dated 6 October 1995.
- 20705 Arriegas, P.I., Carvalho, M.L.S., & Serra, M.G.L. (1992). Portuguese Plants in the Bern Convention (Appendix I). Systematics and Conservation Evaluation. London: N.H.M. Poster.
- 20706 Cotrim, H.M. & Pinto, M.J.G. (1994). Population distribution and colonisation habitat patterns in southwest Portuguese endemic *Silene rothmaleri* P. Silva. *Jornadas de Fitossociologia* XIV.
- 20709 Nootboom, H.P. (1996). The Magnoliaceae of China (Draft).
- 20710 Alziar, G. (1995). Annotations to WCMC list of plants of Cyprus.
- 20720 Tóth, E. (1996). Letter with Hungarian endemic plant data from literature: "1990 Hungarian Red Book". "Identification Book of the Hungarian vascular flora" and "Save the Wild Flowers".
- 20726 Jeanmonod, D. (1996). Annotations to list entitled "Corsica - all taxa listed in the WCMC plants database".
- 20727 Fandos, J. (1996). Annotations of WCMC list of plants of the Balearic Islands.
- 20728 Castroviejo, S. et al. (1986-1993). Flora Iberica. Plantas vasculares de la Peninsula Ibérica e Islas Baleares. Madrid. vol. 1-4.
- 20730 Montmollin, B. de & Kamari, G. (1996). Annotations to WCMC printout entitled "Crete - nationally threatened taxa listed at WCMC" dated 21 December 1995.
- 20731 Tzanoudakis, D. & Montmollin, B. de. (1996). Annotations to WCMC printout entitled "Greece - nationally threatened taxa listed at WCMC" dated 16 October 1995.
- 20732 Bolós, O. & Vigo, J. (1984-1990). Flora dels Països Catalans. Barcelona. vol. 1-2.
- 20733 Katende, A.B. (1995). Annotations to: WCMC printout of Trees of Uganda dated 23 Nov. 1995.
- 20736 Pla, V., Sastre, E., & Llorens, L. (1992). Aproximació al catàleg de la flora de les Illes Balears. Palma de Mallorca.
- 20738 Raimondo, F. (1996). Annotations to WCMC list - Sicily all taxa listed.
- 20739 Chin, S.C. & Kiew, R. (1985). *Malayan Nauralist* 39(1&2):23.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 20740 Jacobsen, N. (1987). *Malayan Naturalist* 40:40/3
- 20742 Kiew, R. (ed.). (1991). *The State of Nature Conservation in Malaysia*. Malaysia: Malayan Nature Society.
- 20743 Henry, J. & Olivier, L. (1996). Letter to Harriet Gillett including Annotated WCMC printout entitled "France - Conservation Status Listing of Plants" dated 25 October 1995.
- 20744 Raimondo, F.M., Gianguzzi, L., & Iardi, V. (1994). Inventario delle specie "a rischio" nella flora vascolare nativa della Sicilia. *Quad. Bot. Ambientale Appl.* 3 :65-132.
- 20745 Bandeira, S.O., Marconi, L., & Barbosa, F. (no date). Preliminary study of threatened plants of Mozambique. *AETFAT Proceedings* (in press):1-9.
- 20746 Mill, R.R. (1996). Email to Charlotte Jenkins with corrections to the conservation listing for Socotra.
- 20749 Keay, R.W.J. (1996). Letter to WCMC concerning threatened and endemic tree species in Nigeria.
- 20750 Gómez-Campo, C. et al. (eds.) (1996). *Libro Rojo de Especies Vegetales Amenazadas de las Islas Canarias*. [Red List of Threatened Plant Species of the Canary Islands]. Lists 300 threatened species, including island and protected area location.
- 20751 Meerow, A.W. & Silverstone-Sopkin, P. (1995). The rediscovery of *Plagiolirion hormannii* Baker (Amaryllidaceae). in *Brittonia* 47(4):426-431. The New York Botanical Garden.
- 20753 Téllez-Valdés, O. & Martínez-Rodríguez, A.I. (1993). A New Species of *Dioscorea* (Dioscoreaceae) from Mesoamerica. *Novon* 3:204-207. illus.
- 20756 Kohorn, L.U. (1995). Letter to WCMC with changes to Plant Red Data Book: Chinese Species. IUCN. Action Plan for Plant Conservation in China, Draft.
- 20757 Skoberne, P. (1995). Annotations to WCMC printout entitled "Slovenia - Globally Threatened Taxa" and dated 3rd October 1995.
- 20761 Farjon, A. et al. (1996). SSC Conifer Specialist Group.
- 20765 Téllez Valdés, O. (1996). Letter to Harriet Gillett listing species of *Dioscorea* with distributions in Mexico and Central America.
- 20767 Burkill, H.M. (1985). *The Useful Plants of West Tropical Africa*. (2nd ed.). Vol 1: Families A-D. Great Britain: The Royal Botanic Gardens, Kew. 1-960 pp.
- 20771 Strahm, W.A. (1993). *The conservation and restoration of the flora of Mauritius and Rodrigues*. PhD Thesis (2 vol.). Reading Uni. U.K.
- 20773 Hubbard, C.E. & Vaughan, R.E. (1940). *The grasses of Mauritius and Rodriguez*. London, England: Crown Agents. 1-128 pp.
- 20774 Vaughan, R.E. & Wiehe, P.O. (1953). The genus *Pandanus* in the Mascarene Islands. *O. Linn. Soc. Bot.* 55:1-32.
- 20775 Verdcourt, B. (1990). In. Litt. to Wendy Strahm.
- 20776 Holtum, R.E. (1983). The fern-genera *Tectaria*, *Heterogonium* and *Ctenitis* in the Mascarene Islands. *Kew Bull.* 38(1):107-130.
- 20798 Puchalsky, J. (1996). Annotations to WCMC list of plants of Poland.
- 20799 Figueiredo, E. (1996). *Plant Life: Lasiodiscus*. Gulf of Guinea Conservation Newsletter. No. 3:6. Published by the Gulf of Guinea Conservation Group.
- 20800 Puchalski, J. & Kazmierczakowa, R. (no date). *Threatened Plant Species in Poland, including candidate species for Appendix I of the Bern Convention*. 50 pp. Council of Europe, Convention on the conservation of European Wildlife and Natural Habitats.
- 20802 Bouchet, P., Jaffre, T., & Veillon, J. (1995). Plant extinction in New Caledonia: protection of sclerophyll forests urgently needed. *Biodiversity and Conservation* 4:415-428.
- 20803 Hilton-Taylor, C. (1996). Annotations and Corrections to the Red Data List of southern African plants.
- 20804 Garbari, F. (1996). Annotations to WCMC threatened plant list of Italy.
- 20805 Valsecchi, F., B. C., & Emanuele, B. (1996). Annotations of WCMC list of plants of Sardinia.
- 20807 Giddy, C. (1996). Letter to J. Sidey referring to the Conservation Status listing of Cycads. New species and annotations.
- 20808 Montmollin, B. de. (1996). Annotations to WCMC list entitle "Crete - Nationally Threatened Taxa".
- 20810 Arriegas, P.I. (1996). Letter to members of Habitats Directive Scientific Working Group concerning *Thymus cephalotos*.
- 20813 Carvalho, M.L.S. & Arriegas, P.I. (1996). Letter to Harriet Gillett including annotated WCMC lists of threatened plants of Portugal and 5 annexes containing references.
- 20818 Wiles, G.J. (1996). Letter to Julie Reay with annotations to Northern Marianas printout plus additional species.
- 20819 Rauferson, L. & Rinehart, A.F. (1992). *Ferns and orchids of the Mariana Islands*. Guam: Rauferson &

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Rinehart.
- 20821** Bibiloni, G. & Mus, M. (1996). Annotations to WCMC list of threatened plants of Balearic Islands.
- 20822** Islebe, G. (1993). Will Guatemala's *Juniperus-Pinus* forests survive? *Environmental Conservation* 20(2):167-168.
- 20825** Wiles, G.J., Schneinen, J.H., Nafus, D., Jurgensen, L.K., & Mangione, J.C. (1996). The status, biology, and conservation of *Seranthes nelsonii* (Fabaceae), an endangered Micronesian tree. *Biological Conservation*. in press.
- 20826** Henderson, A., Galeano, G., & Bernal, R. (1995). Field Guide to the Palms of the Americas. New Jersey: Princeton Univ. Press. 352 pp. plus 64 plates.
- 20827** Strahm, W. (1996). Letter to WCMC with annotations concerning Neotropical palm data.
- 20828** Johnson, D.V. (ed.). (1996). Palms: their conservation and sustained utilization. Status survey and conservation action plan. Gland, Switzerland: IUCN. 116 pp. IUCN/SSC Palm Specialist Group.
- 20831** Leeuwenberg, A.J.M. (1994). A revision of *Tabernaemontana*. Two. The New World species and *Stemmadenia*. Royal Botanic Gardens, Kew. 450 pp. Illus.
- 20832** Leeuwenberg, A.J.M. (1991). A revision of *Tabernaemontana*. One. The Old World species. Royal Botanic Gardens, Kew. 205 pp. Illus.
- 20833** Pennington, T.D. (1991). The genera of Sapotaceae. Royal Botanic Gardens, Kew & New York Botanical Garden. 295 pp.
- 20840** Nixon, K. (1996). Comments in an email from Allen Coombes to Sara Oldfield concerning the list of threatened *Quercus*.
- 20843** Timberlake, J. (1996). Letter to Sara Oldfield containing synonymy of plant species in Zimbabwe.
- 20845** Florence, J. (1996). Letter to Harriet Gillet including list entitled "Listes des espèces endémiques de Polynésie Française avec leur répartition géographique et leur statut IUCN, tirée de la banque de données botaniques NADEAUD". [List of endemic species of French Polynesia with IUCN category and distribution, from the database "NADEAUD".
- 20847** Giddy, C. (1996). Fax to J. Sidey listing new taxa in southern Africa with conservation status listing.
- 20850** The Nature Conservancy. (1996). Natural Heritage Central Database. (Status and distribution data on North American plants, developed in collaboration with the Association for Biodiversity Information, U.S. and Canadian Natural Heritage Programs and Conservation Data Centers, and North Carolina Botanical Garden Biota of North America Program.)
- 20852** BGCI. (1993). BGCI list of plants of conservation interest for Hortus Botanicus Universitatis Labacensis. Ljubljana, Yugoslavia (LJU). List of Yugoslavian threatened plants with conservation status listing. 1 pp.
- 20854** Yang, J. & Pan, F. (1996). The current status of native woody vegetation in Taiwan. pp. 89-108 *In* Hunt, D. (Ed.). Temperate Trees Under Threat. International Dendrology Society.
- 20858** Hawthorne, W. (1995). Categories of conservation priority and Ghanaian tree species. WCMC Working Document 4. 1-38 pp.
- 20874** Domínguez Lozano, F., Galicia Herbada, D., Moreno Rivero, L., Moreno Saiz, J.C., & Sainz Ollero, H. (1996). Threatened plants in Peninsular and the Balearic Spain: A Report based on the EU Habitats Directive. *Biological Conservation* 76:123-133.
- 20883** The Nature Conservancy. (1996). Natural Heritage Central Database. (Status and distribution data on Latin American plants, developed in collaboration with Latin American Conservation Data Centers and Missouri Botanical Garden.)
- 20884** Thulin, M. (1996). Annotations to: the conservation listing for trees of Somalia.
- 20885** Clarke, G.P. & Lovett, J. (1996). Data collection forms for tree species of Tanzania.
- 20886** Bandeira, S. (1995). Data collection forms for tree species of Mozambique.
- 20887** Aké Assi, L. (1995). Data collection forms for tree species of Côte d'Ivoire.
- 20889** Kiew, B.H., Kiew, R., Chin, S.C., Davison, G., & Ng, F.S.P. (comps.). (1985). Malaysia's 10 most endangered animals, plants, and areas. *Malayan Naturalist* 38(4):2-6.
- 20890** WWF & IUCN. (1994-1997). Centres of Plant Diversity. A guide and strategy for their conservation. 3 volumes. Cambridge, UK: IUCN Publications Unit.
- 20891** Dransfield, S. (1996). New species of *Dinochloa* (*Gramineae-Bambusoideae*) in Malesia and notes on the genus. *Kew Bulletin* 51(1):103-117. Illus.
- 20892** Dransfield, S. (1996). Letter to Wendy Strahm containing notes on bamboo species.
- 20893** Jaffre, T., Bouchet, P., & Veillon, J.-M. (1996). Threatened Plants of New Caledonia: Is the system of protected areas adequate? Appendix: Threatened species of the endemic flora of New Caledonia. *Biodiversity & Conservation*:36. submitted.
- 20894** Stevenson, D.W. (1996). Email from Wendy Strahm to Harriet Gillet listing edits from Dennis Stevenson, NYBG to WCMC Cycad list.
- 20895** Hilton-Taylor, C. (1996). Annotations to WCMC list of South African queries.

## Data sources for The 1997 IUCN Red List of Threatened Plants

- 20899 Southern Africa Discussion Group. (1996). Comments on Southern African threatened trees. WCMC/SSC African Regional Workshop, Zimbabwe.
- 20900 East African Discussion Group. (1996). Comments on East African threatened trees. WCMC/SSC African Regional Workshop, Zimbabwe.
- 20907 Hedberg, I. & Edwards, S. (eds.). (1989). Flora of Ethiopia. Volume 3. Pittosporaceae to Araliaceae. Ethiopia & Sweden: The National Herbarium, Addis Ababa & The Department of Systematic Botany, Uppsala. 659 pp.
- 20909 Timberlake, J.R. (1996). Annotations to the conservation listing of trees of Zimbabwe.
- 20911 Lovett, J. (1996). Tanzanian forest trees with a restricted distribution.
- 20913 Watt, A. (1996). Data collection forms for conifers of New Caledonia.
- 20914 Téllez Valdés, O. (1996). Letter to Harriet Gillett containing status listing of threatened *Tephrosia* species of Mexico and Central America.
- 20915 Sternberg, G. (1996). Letter to Charlotte Jenkins concerning oaks of North America.
- 20916 Sternberg, G. (no date). Oak images from Temperate North America. *Journal of the International Oak Society* 6:8-17.
- 20920 White, L. (1995). Réserve de la Lopé, Gabon. Etude de la végétation - rapport final. 163 pp.
- 20921 Lovett, J. & Friis, I. (1996). Patterns of endemism in the woody flora of north-east and east Africa. pp. 582-601 *In* L.J.G. van der Maesen *et al.* (eds.). The biodiversity of African plants. The Netherlands: Kluwer Academic Press.
- 20922 Strahm, W. (1996). Personal communication to WCMC.
- 20924 Edwards, S., Tadesse, M., & Hedberg, I. (eds.). (1995). Flora of Ethiopia and Eritrea. Volume 2, Part 2. Canellaceae to Euphorbiaceae. Ethiopia & Sweden: The National Herbarium, Addis Ababa & The Department of Systematic Botany, Uppsala. 455 pp.
- 20926 Kubitzki, K. & Renner, S. (1982). Lauraceae I (*Aniba* and *Aiouea*). *Flora Neotropica*.
- 20927 Rohwer, J.G. (1993). *Nectandra* (Lauraceae). *Flora Neotropica*.
- 20928 Mori, S.A. & Prance, G.T. (1990). Lecythidaceae. Part II. The zygomorphic-flowered genera. *Flora Neotropica*.
- 20931 Sternberg, G. (1996). Letter to Charlotte Jenkins describing the occurrence of *Quercus inopina* and *Quercus durata*.
- 20932 Timberlake, J. (1996). Notes on possible globally threatened tree species occurring in Africa that have been recorded from Zimbabwe.
- 20985 Ministry of Science, Technology and Environment. (1996). Sach do Viet Nam Phan Thuc Vat. Red Data Book of Vietnam Volume 2. Plants. Hanoi: Science and Technics Publishing House. 484 pp. Lists 356 threatened taxa including fungi.
- 20990 Brito, A.A. (1995). Letter to Wendy Strahm including annotations to: List of threatened trees of Cuba.
- 20991 Schmitt, K. (1996). Botanical survey in the Oban Division, Cross River National Park. 51 pp. Oban Hills Programme, Calabar.
- 20992 Pires O'Brien, J. (1996). Data collection forms for Sapotaceae species in Brazil.
- 20999 Spichiger, R. & Loizeau, P.A. (1985). Trigoniaceae & Vochysiaceae. Flora del Paraguay. Conservatoire et Jardin Botaniques, Ville de Genève & Missouri Botanical Garden.
- 21001 de Dios Muñoz, J. (1990). Anacardiaceae. Flora del Paraguay. Conservatoire et Jardin Botaniques, Ville de Genève & Missouri Botanical Garden.
- 21002 Breteler, F.J. (1996). Conversation with Charlotte Jenkins concerning the occurrence of a new *Xanthocercis* species in Gabon.
- 21003 Hess, W. (1996). Data collection forms for *Quercus* species.
- 21006 Stoffelen, P., Robbrecht, E., & Smets, E. (1996). A revision of *Corynanthe* and *Pausinystalia* (African Rubiaceae-Coptosapelteae). *Botanical Journal of the Linnean Society* 120(4):287-325.
- 21008 Liogier, A.H. (1982-1985). La Flora de la Española. 3 vols. Dominican Republic: Universidad Central Del Este. Centenario de San Pedro de Macoris.
- 21009 Maas, P.-J.M. & Westra, L.Y.Th. *et al.* (1992). *Rollinia*. Flora Neotropica. Monograph 57. New York: New York Botanical Garden. 188 pp.
- 21011 Varty, N. (1996). Data collection forms for Brazilian Atlantic forest species.
- 21013 Pires O'Brien, J. (1996). Data collection forms for Lecythidaceae tree species.
- 21017 Jenkins, C. (1996). Evaluations of *Rinorea* species derived from information in Hekking, W.H.A. (1988) *Violaceae Part I - Rinorea and Rinoreocarpus*. Flora Neotropica. New York Botanical Garden.
- 21018 Weitzman, A.L. (1995). Diversity of Theaceae and Bonnetiaceae in the montane Neotropics. pp. 365-375 *In* Churchill, S.P. *et al.* (eds.). Biodiversity and conservation of neotropical montane

## Data sources for The 1997 IUCN Red List of Threatened Plants

- forests. New York: New York Botanical Garden. Press Inc. 1-458 pp.
- 21019 Rohwer, J.G. (1996).** Letter to Sara Oldfield with information on Neotropical Lauraceae.
- 21020 Rohwer, J.G. (1988).** The genera *Dicypellium*, *Phyllostemonodaphne*, *Systemonodaphne* and *Urbanodendron* (Lauraceae). *Bot. Jahrb. Syst.* 110(2):157-171.
- 21021 Corrigan, H. & Sam, C. (1996).** Letter regarding conservation status of trees in Vanuatu.
- 21022 Pereira, J.P., Sastre, C., & Romaniuc, S. (1996).** Índice das espécies de Moráceas do Brasil. *Albertoa* 4:77-96.
- 21025 Molur, S. & Ved, D.K. (eds.) et al. (1995).** Conservation assessment and management plan (CAMP) for selected species of medicinal plants of southern India. 108 pp.
- 21028 Wurdack, J.J., Morley, T., & Renner, S. (1993).** Flora of the Guianas. *Melastomataceae*.
- 21037 Bohs, L. (1994).** *Cyphomandra* (Solanaceae). Flora Neotropica. Monograph 63. New York: The New York Botanical Garden. 175 pp.
- 21038 Du Puy, D.J. & Labat, H. (1996).** Data collection forms for Madagascan trees for the Conservation and Sustainable Management of Trees project.
- 21039 Du Puy, D.J., Phillipson, P.B., & Rabevohitra, R. (1995).** The Genus *Delonix* (Leguminosae: Caesalpinioideae: Caesalpinieae) in Madagascar. (*Kew Bulletin*) 50(3):445-475.
- 21040 Ashton, P. (1996).** Annotations to: Dipterocarpaceae.
- 21043 Breteler, F.J. (1989).** The Connaraceae. A taxonomic study with emphasis on Africa. Wageningen Agricultural University. 403 pp.
- 21044 Breteler, F.J. (1991).** Flore du Gabon. 32. Dichapetalaceae. Paris: Muséum National D'Histoire Naturelle. 221 pp.
- 21046 Nixon, K., Hess, W., Coombes, A., & Rodriguez, M. (1996).** Discussions on the status of *Quercus* species in the Americas. Regional workshop for the Conservation and Sustainable Management of Trees project.
- 21056 Prado, D.E. (1996).** Data collection forms for South American (particularly Argentinian) distributions.
- 21059 East West Herbs Ltd. (no date).** Price List and Catalogue. 5 pp.
- 21065 Lovett, J. (1996).** Completed data collection forms of restricted range trees of Tanzania.
- 21069 van Gelderen, D.M., de Jong, P.C., & Oterdoom, H.J. (1994).** Maples of the World. Hong Kong: Timber Press Inc. 1-458 pp.
- 21072 Bridson, D.M. (1994).** Additional notes on *Coffea* (Rubiaceae) from Tropical East Africa. *Kew Bull.* 49(2):331-342.
- 21073 Hallé, N. (1986).** Flore du Gabon. Volume 29. Celastraceae Hippocrateoideae. Paris: Muséum National D'histoire Naturelle. 287 pp.
- 21079 Launert, E. & Pope, G.V. (1991).** Flora Zambesiaca. Volume 9. Uimaceae, Cannabaceae, Moraceae, Cecropiaceae, Urticaceae, Casuarinaceae, Salicaceae, Ceratophyllaceae. London: Flora Zambesiaca Managing Committee. 135 pp.
- 21082 Van der Werff, H. (1993).** *Persea glabra*, a new species of Lauraceae from Bahia. *Kew Bull.* 48(1):25-27.
- 21089 González Cangas, M. (1996).** Chile data collection forms.
- 21091 Silic, C. (ed.) (1996).** The List of the Vegetable Species (Pteridophyta and Spermatophyta) for the Red Book of Bosnia and Herzegovina. Sarajevo: 1996. 20 pp.
- 21093 Mitre, M.E. (1996).** Data collection forms for Panamá.
- 21094 Barneby, R.C. & Grimes, J.W. (1996).** Silk Tree, Guanacaste, Monkey's Earring. A generic system for the synandrous *Mimosaceae* of the Americas. Part 1. *Abarema*, *Albizia* and Allies. Bronx, New York: The New York Botanical Garden. 1-295 pp.
- 21097 Friis, I. (1989).** A synopsis of Buxaceae in Africa south of the Sahara. *Kew Bulletin* 44:293-299.
- 21102 Missouri Botanical Garden. (1997).** Peru Checklist: Catalogue of the Flowering Plants and Gymnosperms of Peru. World Wide Web <http://www.Mobot.Org/MOBOT/Research/peru.html>.
- 21105 Iriondo, J.M., De Hond, L.J., & Gómez-Campo, C. (1994).** Current research on the biology of threatened plant species of the Mediterranean Basin and Macronesi: a database. *Bocconea* 4:385.
- 21107 Bohs, L. (1995).** Transfer of *Cyphomandra* (Solanaceae) and its species to *Solanum*. *Taxon* 44(4):587-593.
- 21116 Okullo, J.B. et al. (1997).** Completed data collection forms for woody plants of Uganda.
- 21117 Ndjele, M. (1997).** Completed data collection forms for tree species of Zaire.
- 21119 Boratynski, A. (1997).** Letter to Sara Oldfield containing information and completed data collection forms on threatened woody species of Poland, Greece and Turkey.
- 21141 Schouten, R.T. (1986).** Revision of

Data sources for The 1997 IUCN Red List of Threatened Plants

- Gymnancranthera*. *Blumea* 31(2):455-485.
- 21143 de Wilde, W.J.J.O. (1979). New account of the genus *Knema* (Myristicaceae). *Blumea* 25(2):321-478.
- 21163 de Wilde, W.J.J.O. (1997). Southeast Asian and Malesian *Myristica*. Scheduled for publication in *Blumea* 42 (1).
- 21172 Hou, D. (1996). *Caesalpinioideae*. in Flora Malesiana. Leiden: Flora Malesiana Foundation.
- 21173 Frodin, D. (1997). Conversation with Charlotte Jenkins concerning the taxonomy of *Schefflera* species.
- 21184 Soto Arenas, M. (1990). Una nueva orquídea de Morelos, México: *Ponera dressleriana*. *Orquídea (Méx.)* 12(1):117-126.
- 21185 García-Cruz, C. (1992). *Epidendrum lowilliamsii*, una nueva especie del centro de México. *Orquídea (Méx.)*. 12(2):131-138.
- 21190 Salazar Chávez, G. (1992). *Mormodes sotoana*, una nueva especie de México y Guatemala confundida con *M. ignea* (Orchidaceae: Catasetinae). *Orquídea (Méx.)*. 12(2):261-267.
- 21196 Soto Arenas, M. (1993). Clasificación infraspecifica de *Laelia anceps*. *Orquídea (Méx.)* 13(1-2):125-144.
- 21198 González Tamayo, R. (1993). El género *Physogyne* (Orchidaceae, Spiranthinae). *Orquídea (Méx.)* 13(1-2):173-180.
- 21204 Vázquez, J., Cuevas, R., Cochrane, T., Iltis, H., Santana, F., & Guzmán, L. (1995). Flora de Manantlán. Plantas vasculares de la Reserva de la Biosfera Sierra de Manantlán. Jalisco-Colima, México. *Sida, Botanical Miscellany*. 1-312 pp.
- 21205 Evans, R. (1995). Systematics of *Cryosophila* (Palmae). *Systematic Bot. Monographs* 46:1-70.
- 21207 Luther, H. (1996). A checklist of the Bromeliaceae of Costa Rica. *J. Bromeliad Soc.* 45(6):60-63.
- 21219 Pupulin, F. & Mora-Retana, D. (1994). A revision of the Costa Rican species of *Trichocentrum* (Orchidaceae). *Selbyana* 15(2):87-103.
- 21220 . (1995). Revision of *Ipomoea* section *Leptocallis* (Convolvulaceae). *Harvard Papers in Botany* 6:97-123.
- 21221 Taylor, C., Hammel, B., & Burger, W. (1991). New species, combinations, and records in Rubiaceae from the La Selva Biological Station, Costa Rica. *Selbyana* 12:134-140.
- 21222 Laferriere, J. (1990). The taxonomy and ethnobotany of *Yucca madrensis*. *Cactus and Succulent J. (US)* 62:95-96.
- 21224 Luteyn, J. (1996). New species, new records, and neotypification of some Mesoamerican Eriaceae. *Brittonia* 48(2):241-249.
- 21227 Grayum, M. (1995). Notes on Costa Rican *Peperomia* (Piperaceae), including four new species. *Phytologia* 79(2):108-113.
- 21229 Vázquez-G, J.A. (1994). *Magnolia* (Magnoliaceae) in Mexico and Central America: a synopsis. In *Brittonia* 46(1):1-23.
- 21232 Daly, D. (1993). Notes on *Bursera* in South America, including a new species. Studies in Neotropical Burseraceae VII. In *Brittonia* 45(3):240-246.
- 21233 Warford, N. & Harrell, B. (1996). *Clowesia dodsoniana* Aguirre L. Its history, pollination, and osmophores. *Orchid Digest* 60(4):174-179.
- 21240 Graham, S. (1990). New species of *Cuphea* section *Melvilla* (Lythraceae) and an annotated key to the section. In *Brittonia* 41(1):12-32.
- 21248 Lascurain, M. (1996). A new species of *Calathea* (Marantaceae) from Veracruz, Mexico. *Novon* 6(4):385-388.
- 21250 Reznicek, A. & Camelbeke, K. (1996). *Carex porrecta* (Cyperaceae), a distinctive new species from northern South America and Costa Rica. *Novon* 6(4):423-425.
- 21251 Stergios, B. (1996). Contributions to South American Caesalpinieae. II. A taxonomic update of *Campsiandra* (Caesalpinieae). *Novon* 6(4):434-459.
- 21252 Knapp, S. (1989). Six new species of *Solanum* sect. *Geminata* from South America. *Bull. Br. Mus. nat. Hist. (Bot.)* 19:103-112.
- 21253 Debreczy, Z. & Rácz, I. (1995). New species and varieties of conifers from Mexico. *Phytologia* 78(4):217-243.
- 21254 Kvist, L. & Skog, L.E. (1992). Revision of *Kohleria* (Gesneriaceae). *Smithsonian Contributions to Botany* 79:1-83.
- 21258 Mora-Retana, D. & García, J. (1992). Lista actualizada de las orquídeas de Costa Rica (Orchidaceae). *Brenesia* 37:79-124.
- 21259 Luer, C. (1996). Nuevas especies de *Restrepia*. *Orquídeología* 20(2):117-182.
- 21260 Kvist, L. & Skog, L.E. (1996). Revision of *Pearcea* (Gesneriaceae). *Smithsonian Contributions to Botany* 84:1-47.
- 21263 Hernández, H. & Bárcenas, R. (1995).

## Data sources for The 1997 IUCN Red List of Threatened Plants

- Endangered cacti in the Chihuahuan Desert: I. Distribution patterns. *Conservation Biology* 9(5):1176-1188.
- 21264 Hågsater, E. (eds.) & Dumont, V. (1996). *Orchids - Status Survey and Conservation Action Plan*. Gland, Switzerland and Cambridge, UK: IUCN. 153 pp.
- 21265 Salazar, G. & Soto Arenas, M. (1996). El género *Lepanthes* Sw. en México. *Orquidea (Mex.)* 14(1):1-231.
- 21266 Christenson, E. (1991). Mesoamerican orchid studies I: orchids of Panama. *Lindleyana* 6(1):42-48.
- 21267 Luer, C. (1991). New species of *Pleurothallis* and a new combination. *Lindleyana* 6(2):94-108.
- 21268 Albert, V. & Chase, M. (1992). *Mexipedium*: a new genus of slipper orchid (Cypripedioideae: Orchidaceae). *Lindleyana* 7(3):172-176.
- 21269 Catling, P. (1990). *Lepanthes yuvilensis*, a new species from Oaxaca, Mexico. *Lindleyana* 8(1):25-31.
- 21270 Kujit, J. & Kellogg, E. (1996). Miscellaneous mistletoe notes, 20-30. *Novon* 6(1):33-53.
- 21271 Moraes, M. (1996). Novelty of the genera *Parajubaea* and *Syagrus* (Palmae) from interandean valleys of Bolivia. *Novon* 6(1):85-92.
- 21272 Ulloa, C. & Jorgensen, P. (1996). A new species of *Mutisia* (Compositae - Mutisieae) from Ecuador. *Novon* 6(1):131-133.
- 21273 Renner, S. & Hausner, G. (1995). New species of *Siparuna* (Monimiaceae) I. Four new species from Ecuador and Colombia. *Novon* 5(1):61-70.
- 21274 Grayum, M. (1991). *Chlorospatha kressii* (Araceae), a new compound-leaved species from Chocó Department, Colombia. *Novon* 1(1):12-14.
- 21275 Londoño, X. & Judziewicz, E. (1991). A new species of *Guadua*, *G. calderoniana* (Poaceae: Bambuseae), with notes on the genus in Bahia, Brazil. *Novon* 1(1):27-32.
- 21276 Al-Shehbaz, I. (1991). The South American *Dictyophragmus* (Brassicaceae). *Novon* 1(2):71-72.
- 21277 Lorence, D. (1991). New species and combination in Mexican and Central American *Rondeletia* (Rubiaceae). *Novon* 1(3):135-157.
- 21278 Pipoly, J. (1993). The genus *Geissanthus* (Myrsinaceae) in the Chocó Floristic Province. *Novon* 3(4):463-474.
- 21279 Wasshausen, D. (1992). New species and new combinations of *Justicia* (Acanthaceae) from the Venezuelan Guayana. *Novon* 2(1):62-80.
- 21280 Pipoly, J.J. (1991). Systematic studies in the genus *Myrsine* L. (Myrsinaceae) in Guayana. *Novon* 1(4):204-210.
- 21281 Seigler, D. & Ebinger, J. (1995). Taxonomic revision of the ant-acacias (Fabaceae, Mimosoideae). *Acacia*, series Gammiferae) of the New World. *Ann. Missouri Bot. Gard.* 82(1):117-138.
- 21282 Ollgaard, B. (1993). Neotropical Lycopodiaceae - an overview. *Ann. Missouri Bot. Gard.* 79(3):687-717.
- 21283 Kral, R. (1992). A treatment of American Xyridaceae exclusive of *Xyris*. *Ann. Missouri Bot. Gard.* 79(4):819-885.
- 21285 Carnevali, G. & Ramírez, I. (1990). New or noteworthy orchids for the Venezuelan Flora. VIII. New species and combinations from Venezuelan Guayana. *Ann. Missouri Bot. Gard.* 77(3):549-558.
- 21286 Taylor, C.M. (1995). New species and combinations in Rubiaceae from Costa Rica and Panama. *Novon* 5(1):201-207.
- 21287 Terrell, E. & Koch, S. (1994). A new species of *Bouvardia* (Rubiaceae) from Mexico, and transfer of *Hedyotis xestosperma* to *Bouvardia*. *Novon* 4(2):179-182.
- 21289 Almeda, F. (1993). *Pilocosta* (Melastomataceae) revisited: a new species, polypoidy, and the base chromosome number of the genus. *Novon* 3(4):311-316.
- 21290 Mcleish, I., Pearce, N., & Adams, B. (1995). *Native Orchids of Belize*. Rotterdam, The Netherlands: A.A. Balkema. 278 pp.
- 21291 Gonzalez Ayala, J. (1992). *Lista Preliminar de Plantas Salvadoreñas Amenazadas de Extinción*. San Salvador, El Salvador. 50 pp.
- 21292 Luer, C.A. (1988). Icones Pleurothallidarum V. Systematics of *Dresslerella* and *Scaphosepalum*. Addenda to *Porroglossum* (Orchidaceae). *Systematic Botany Monographs (Missouri Botanical Garden)* 26:1-111.
- 21293 Luer, C.A. (1989). Icones Pleurothallidarum VI. Systematics of *Pleurothallis* subgenus *Ancipitia* subgenus *Scapula* and *Trisetella*. Addendum to *Porroglossum*. *Systematic Botany Monographs (Missouri Botanical Garden)* 31:1-125.
- 21294 Luer, C.A. (1993). Icones Pleurothallidarum X. Systematics of *Dracula*. *Systematic Botany Monographs (Missouri Botanical Garden)* 46:1-244.
- 21295 Luer, C.A. (1994). Icones Pleurothallidarum

## Data sources for The 1997 IUCN Red List of Threatened Plants

- XI. Systematics of *Lepanthes* subgenus *Brachycladium* and *Pleurothallis* subgenus *Aenigma* subgenus *Elongatia* subgenus *Kraenzlinella*. Addenda to *Dracula*, *Lepanthiopsis*, *Myoxanthus*, *Platysteles*, *Porroglossum*, and *Trisetella*. *Systematic Botany Monographs (Missouri Botanical Garden)* 51:1-137.
- 21296 **Bennett, D. & Christenson, E. (1996).** *Icones Orchidacearum*. Peru: Pastorelli de Bennett. unpagged pp.
- 21297 **Christenson, C. (1994).** Annotations to South American orchid list. 12 September 1994.
- 21298 **Luer, C.A. (1996).** *Icones Pleurothallidarum XVIII. Systematics of Restrepia (Orchidaceae). Monographs in Systematic Botany (Missouri Botanical Garden)* 59:1-168.
- 21300 **Anon. (no date).** Data derived from TNC data (data source 20850).
- 21301 **Luer, C.A. (1995).** Systematics of *Brachionidium*. Addenda to *Dresslerella*, *Platysteles* and *Porroglossum*. *Monographs in Systematic Botany (Missouri Botanical Garden)* 57:1-146.
- 21304 **Emanoil, M. (ed.). (1994).** Encyclopedia of endangered species. IUCN-The World Conservation Union. Gale Research International Ltd. 1230 pp.
- 21305 **Marticorena, C. & Rodríguez, R. (eds.). (1995).** *Flora de Chile. Vol.1 Pteridophyta - Gymnospermae*. Concepción, Chile: Universidad de Concepción. 350 pp.
- 21306 **Rohwer, J. (1997).** Letter to Charlotte Jenkins with review notes on the species summaries for *Nectandra*.
- 21307 **Taylor, N. (no date).** In: Oldfield, S.F. (Comp.) Cacti and succulents - status survey and conservation action plan. (Conservation status given according to new IUCN categories. Status interpreted as "I" Indeterminate for inclusion in the 1997 IUCN Red List of Threatened Plants). In Press. IUCN, Gland, Switzerland and Cambridge, UK.
- 21309 **Talbot, S.S. (ed.). (1997).** Rare Arctic Endemic Vascular Plants. (Draft 18/2/97 CAFF Plants). 84 pp.
- 21310 **Chinh, N.N. et al. (1996).** Vietnam Forest Trees. Hanoi: Agricultural Publishing House. 1-788 pp.
- 21312 **Rushforth, K. (1996).** Threatened broadleaves. *Aesculus wangii*. Broadleaves 3:4.
- 21313 **Nelson, C.H. (1997).** Threatened Trees of Honduras. The letter contains all the 1994 IUCN threat categories.
- 21316 **Hughes, C. (1997).** Draft chapter on conservation from "The genus *Leucaena*: a genetic resource handbook". 12 pp.
- 21318 **Read, J. & Hope, G.S. (1996).** Ecology of *Nothofagus* forests of New Guinea and New Caledonia. pp. 200-256 In Veblen, T.T. et al. The Ecology and Biogeography of *Nothofagus* Forests. Yale University Press.
- 21323 **Meerman, J. (1997).** List of threatened and non-threatened *Passiflora* of Belize. 6 pp.
- 21326 **Meerman, J.C. (ed.). (1996).** Vegetative Key to the Passionflowers of Belize. *Passiflora* 6(3):25-28.
- 21329 **Page, W. (1997).** Data collection forms completed on the threatened tree species of Mauritius.
- 21343 **Mitchell, J.D. & Daly, D.C. (1993).** A revision of *Thyrsodium* (Anacardiaceae). *Brittonia* 45(2):115-129.
- 21344 **Mori, S. & Mitchell, J.D. (1990).** *Tapirira bethanniana* (Anacardiaceae) and *Eschweilera piresii* subsp. *viridipetala* (Lecythidaceae), two new taxa from Central French Guiana. *Memoirs of the New York Botanical Garden* 64:229-234.
- 21345 **Mitchell, J.D. & Daly, D.C. (1991).** *Cyrtocarpa* Kunth (Anacardiaceae) in South America. *Annals of the Missouri Botanical Garden* 78(1):184-189.
- 21348 **U.S. Fish and Wildlife Service. (1994).** Endangered and threaten wildlife and plants; determination of endangered or threatened status for 21 plants from the Island of Hawaii, State of Hawaii. *Federal Register*. 10305-10325 pp.
- 21349 **U.S. Fish and Wildlife Service. (1995).** Recovery plan for the Kauai plant cluster. Portland, Oregon: U.S. Fish and Wildlife Service. 270 pp.
- 21351 **U.S. Fish and Wildlife Service. (1996).** Endangered and threatened wildlife and plants; endangered status for the plant *Delissea undulata*. *Federal Register*. 53124-53130 pp.
- 21352 **U.S. Fish and Wildlife Service. (1996).** Endangered and threatened wildlife and plants; determination of endangered and threatened status for nineteen plant species from the island of Kauai, Hawaii. *Federal Register*. 53070-53089 pp.
- 21353 **U.S. Fish and Wildlife Service. (1996).** Endangered and threatened wildlife and plants; determination of endangered status for twenty-five plant species from the island of Oahu, Hawaii. *Federal Register*. 53089-53108 pp.
- 21354 **U.S. Fish and Wildlife Service. (1996).** Endangered and threatened wildlife and plants; determination of endangered or threatened status for fourteen plant taxa from the Hawaiian Islands. *Federal Register*. 53108-53124 pp.
- 21355 **U.S. Fish and Wildlife Service. (1996).** Endangered and threatened wildlife and plants; determination of endangered status for thirteen plants



## Data sources for The 1997 IUCN Red List of Threatened Plants

from the Island of Hawaii, State of Hawaii. *Federal Register*. 53137-53153 pp.

- 21356 U.S. Fish and Wildlife Service. (1996).** Recovery plan for the Big Island plant cluster. Portland, Oregon: U.S. Fish and Wildlife Service. 176 pp.
- 21357 U.S. Fish and Wildlife Service. (1996).** Recovery plan for Koolau Mountains plant cluster. Portland, Oregon: U.S. Fish and Wildlife Service. 124 pp.
- 21358 U.S. Fish and Wildlife Service. (1996).** Recovery plan for Molokai plant cluster. Portland, Oregon: U.S. Fish and Wildlife Service. 143 pp.
- 21384 Hunt, D.R. (1997).** CITES Cactaceae checklist (draft). (2). Kew: Royal Botanic Gardens, Kew. 1-190 pp.
- 21389 Davis, A.P. et al. (1997).** CITES Bulb Checklist (Draft). For the genera: *Cyclamen*, *Galanthus* and *Sternbergia*. The Royal Botanic Gardens, Kew. 1-87 pp.
- 21390 Osborne, R. et al. (1996).** The world list of Cycads. 1-16 pp.
- 21391 Egli, U. & Carter, S. (1997).** The CITES Checklist of Succulent Euphorbia Taxa (Euphorbiaceae). Draft Version - July 1997. 1-68 pp.



# INDEX



<i>Aa</i>	689	<i>Acranthera</i>	499	<i>Aesandra</i>	536
<i>Abarema</i>	332	<i>Acridocarpus</i>	389	<i>Aeschynanthus</i>	289
<i>Abatia</i>	280	<i>Acriopsis</i>	689	<i>Aeschynomene</i>	336
<i>Abelia</i>	118	<i>Acrocephalus</i>	307	<i>Aesculus</i>	301
<i>Abeliophyllum</i>	437	<i>Acrocomia</i>	726	<i>Aetheolirion</i>	638
<i>Abies</i>	22	<i>Acrolophia</i>	689	<i>Aethionema</i>	212
<i>Abrodictyum</i>	13	<i>Acronema</i>	585	<i>Afgekia</i>	336
<i>Abromeitiella</i>	627	<i>Acronychia</i>	523	<i>Aframomum</i>	751
<i>Abronia</i>	434	<i>Acrophyllum</i>	231	<i>Afrocarpus</i>	27
<i>Abrotanella</i>	145	<i>Acropogon</i>	575	<i>Afrothismia</i>	637
<i>Abutilon</i>	391	<i>Acrorumohra</i>	10	<i>Afrotrilepis</i>	640
<i>Abutilothamnus</i>	391	<i>Acrostemon</i>	244	<i>Afrovivella</i>	207
<i>Acacia</i>	332	<i>Acrosynanthus</i>	499	<i>Afelia</i>	336
<i>Acaena</i>	490	<i>Acrotrema</i>	233	<i>Agalinis</i>	548
<i>Acalypha</i>	258	<i>Acrotliche</i>	243	<i>Aganomsma</i>	54
<i>Acampelopappus</i>	145	<i>Acrymia</i>	307	<i>Agapanthus</i>	608
<i>Acanthaceae</i>	34	<i>Acsmithia</i>	231	<i>Agapetes</i>	244
<i>Acanthocereus</i>	92	<i>Actephila</i>	258	<i>Agarista</i>	244
<i>Acanthocladium</i>	145	<i>Actinidiaceae</i>	43	<i>Agathis</i>	19
<i>Acanthodesmos</i>	145	<i>Actinodaphne</i>	323	<i>Agathisanthemum</i>	499
<i>Acantholimon</i>	452	<i>Actinokentia</i>	726	<i>Agathosma</i>	523
<i>Acanthomintha</i>	307	<i>Actinolema</i>	585	<i>Agavaceae</i>	606
<i>Acanthopanax</i>	58	<i>Actinotus</i>	585	<i>Agave</i>	606
<i>Acanthophoenix</i>	726	<i>Adamea</i>	396	<i>Ageratina</i>	146
<i>Acanthorrhinum</i>	547	<i>Adansonia</i>	78	<i>Ageratum</i>	146
<i>Acanthus</i>	33	<i>Adelia</i>	259	<i>Aglaiia</i>	406
<i>Acaulimalva</i>	391	<i>Adelobotrys</i>	396	<i>Aglaonema</i>	620
<i>Acca</i>	419	<i>Adenandra</i>	523	<i>Agoseris</i>	146
<i>Acer</i>	42	<i>Adenanthera</i>	336	<i>Agrimonia</i>	490
<i>Aceraceae</i>	42	<i>Adenanthos</i>	471	<i>Agropyron</i>	651
<i>Aceratium</i>	242	<i>Adenia</i>	445	<i>Agropyropsis</i>	651
<i>Achasma</i>	750	<i>Adenocarpus</i>	336	<i>Agrostemma</i>	119
<i>Achillea</i>	145	<i>Adenodaphne</i>	323	<i>Agrostis</i>	651
<i>Achlys</i>	74	<i>Adenodolichos</i>	336	<i>Agrostistachys</i>	259
<i>Achnophora</i>	146	<i>Adenophora</i>	108	<i>Agrostophyllum</i>	689
<i>Achyranthes</i>	46	<i>Adenophorus</i>	11	<i>Aichryson</i>	207
<i>Achyrospermum</i>	307	<i>Adenophyllum</i>	146	<i>Ailanthus</i>	569
<i>Acianthus</i>	689	<i>Adenoplusia</i>	89	<i>Ainea</i>	673
<i>Acidocroton</i>	258	<i>Adenopodia</i>	336	<i>Ainsliaea</i>	146
<i>Acidoton</i>	258	<i>Adenosma</i>	547	<i>Aiouea</i>	323
<i>Acineta</i>	689	<i>Adesmia</i>	336	<i>Aiphanes</i>	726
<i>Acinos</i>	307	<i>Adhatoda</i>	34	<i>Aizoaceae</i>	43
<i>Acioa</i>	137	<i>Adiantaceae</i>	3	<i>Ajuga</i>	307
<i>Aciotis</i>	396	<i>Adiantum</i>	3	<i>Akebia</i>	323
<i>Aciphylla</i>	585	<i>Adinandra</i>	579	<i>Alamania</i>	689
<i>Acleisanthes</i>	435	<i>Adolphia</i>	485	<i>Alberta</i>	500
<i>Acmadenia</i>	522	<i>Adonis</i>	479	<i>Albertisia</i>	409
<i>Acmena</i>	419	<i>Adromischus</i>	207	<i>Albizia</i>	336
<i>Acmenosperma</i>	419	<i>Aechmea</i>	627	<i>Albolboda</i>	750
<i>Acropyle</i>	27	<i>Aeginetia</i>	548	<i>Albuca</i>	670
<i>Acomis</i>	146	<i>Aegiphila</i>	598	<i>Alcea</i>	391
<i>Aconitum</i>	478	<i>Aeonium</i>	207	<i>Alchemilla</i>	490
<i>Acostaea</i>	689	<i>Aerantes</i>	689	<i>Alchornea</i>	259
<i>Acourtia</i>	146	<i>Aerides</i>	689	<i>Alchorneopsis</i>	259
<i>Acradenia</i>	523	<i>Aerisilvaea</i>	259	<i>Aldama</i>	146
		<i>Aerva</i>	47	<i>Alectryon</i>	533

<i>Alepidea</i>	585	Alzateaceae	46	<i>Anacyclus</i>	146
<i>Alepis</i>	385	<i>Amaioua</i>	500	<i>Anagallis</i>	468
<i>Aletes</i>	586	<i>Amana</i>	684	<i>Anagyris</i>	337
<i>Aletris</i>	688	<i>Amanoa</i>	259	<i>Anaphalis</i>	146
<i>Alfaroa</i>	306	<i>Amaracarpus</i>	500	<i>Anaphyllum</i>	621
<i>Alisma</i>	607	<i>Amaracus</i>	307	<i>Anarrhinum</i>	548
Alismataceae	607	Amaranthaceae	46	<i>Anaxagorea</i>	50
<i>Alkanna</i>	79	<i>Amaranthus</i>	47	<i>Anaxeton</i>	147
<i>Allagopappus</i>	146	Amaryllidaceae	616	<i>Ancana</i>	50
<i>Allagoptera</i>	727	<i>Amaryllis</i>	616	<i>Anchietea</i>	601
<i>Alleizettella</i>	500	<i>Amauropelta</i>	17	<i>Anchonium</i>	214
<i>Allexis</i>	601	<i>Ambelania</i>	54	<i>Anchusa</i>	79
Alliaceae	608	<i>Amblystigma</i>	61	<i>Ancestrachne</i>	652
<i>Allium</i>	608	<i>Ambrosia</i>	146	Ancistrocladaceae	50
<i>Allocauarina</i>	131	<i>Amelanchier</i>	490	<i>Ancistrocladus</i>	49
<i>Allochilus</i>	689	<i>Amentotaxus</i>	29	<i>Ancrumia</i>	611
<i>Allochrusa</i>	120	<i>Amesiodendron</i>	533	<i>Andrachne</i>	259
<i>Alloeochaete</i>	652	<i>Amherstia</i>	337	<i>Androcorys</i>	689
<i>Alloispermum</i>	146	<i>Ammandra</i>	727	<i>Androcymbium</i>	637
<i>Allotepis</i>	652	<i>Ammi</i>	586	<i>Andrographis</i>	34
<i>Allophylus</i>	533	<i>Ammiopsis</i>	586	<i>Andropogon</i>	652
<i>Alloplectus</i>	289	<i>Ammobium</i>	146	<i>Androsace</i>	468
<i>Alloschemone</i>	620	<i>Ammopiptanthus</i>	337	<i>Androsiphon</i>	670
<i>Alloschmidia</i>	727	<i>Ammoselinum</i>	586	<i>Andruris</i>	749
<i>Allowissadula</i>	391	<i>Amomum</i>	751	<i>Andryala</i>	147
<i>Alloxylon</i>	471	<i>Amomyrtus</i>	419	<i>Aneilema</i>	638
<i>Alluaudia</i>	233	<i>Amoora</i>	406	<i>Anemia</i>	17
<i>Alluaudiopsis</i>	233	<i>Amoreuxia</i>	143	<i>Anemone</i>	479
<i>Almaleea</i>	336	<i>Amorpha</i>	337	<i>Angelica</i>	586
<i>Alnus</i>	75	<i>Amorphophallus</i>	621	<i>Angelonia</i>	548
Aloaceae	611	<i>Amorphospermum</i>	536	<i>Anginon</i>	586
<i>Alocasia</i>	620	<i>Amparao</i>	689	<i>Angiopteris</i>	14
<i>Aloe</i>	611	<i>Ampelocera</i>	585	<i>Angkalanthus</i>	34
<i>Aloinopsis</i>	43	<i>Ampelocissus</i>	604	<i>Angophora</i>	419
<i>Alonsoa</i>	548	<i>Amperea</i>	259	<i>Angraecum</i>	689
<i>Alopecurus</i>	652	<i>Amphianthus</i>	548	<i>Aniba</i>	323
<i>Alphandia</i>	259	<i>Amphiblemma</i>	397	<i>Anigozanthos</i>	668
<i>Alphitonia</i>	486	<i>Amphibromus</i>	652	<i>Anisacanthus</i>	34
<i>Alphonsea</i>	50	<i>Amphicarpaea</i>	337	<i>Anisochilus</i>	307
<i>Alpinia</i>	751	<i>Amphidasya</i>	500	<i>Anisodontea</i>	391
<i>Alseis</i>	500	<i>Amphiolanthus</i>	548	<i>Anisomeris</i>	500
<i>Alseodaphne</i>	323	<i>Amphisiphon</i>	670	<i>Anisopappus</i>	147
<i>Alsinidendron</i>	120	<i>Amphitecna</i>	75	<i>Anisophyllea</i>	50
<i>Alsmithia</i>	727	<i>Amphiithalea</i>	337	Anisophylleaceae	50
<i>Alsodeiopsis</i>	304	<i>Amphoricarpus</i>	146	<i>Anisoptera</i>	235
<i>Alsophila</i>	5	<i>Amphorogyne</i>	532	<i>Anisotes</i>	34
<i>Alstonia</i>	54	<i>Amsinckia</i>	79	<i>Anisotome</i>	586
Alstroemeriaceae	616	<i>Amsonia</i>	54	<i>Annamacarya</i>	306
<i>Alternanthera</i>	47	<i>Amyema</i>	385	<i>Anneslea</i>	579
<i>Althaea</i>	391	<i>Amygdalus</i>	491	<i>Annesorhiza</i>	586
<i>Altingia</i>	300	<i>Amyris</i>	524	<i>Annona</i>	50
<i>Alvaradoa</i>	569	<i>Anacampseros</i>	467	Annonaceae	50
<i>Alysicarpus</i>	337	<i>Anacamptis</i>	689	<i>Anoda</i>	392
<i>Alyssum</i>	213	Anacardiaceae	48	<i>Anodendron</i>	55
<i>Alyxia</i>	54	<i>Anacardium</i>	48	<i>Anoectochilus</i>	689
Alzatea	46	<i>Anacolosia</i>	436	<i>Anogeissus</i>	143

<i>Anogramma</i>	3	<i>Aponogeton</i>	620	<i>Armeria</i>	452
<i>Anomochloa</i>	652	Aponogetonaceae	620	<i>Armorodorum</i>	690
<i>Anredera</i>	72	<i>Aporocactus</i>	92	<i>Arnaldoa</i>	149
<i>Antennaria</i>	147	<i>Aporusa</i>	259	<i>Arnebia</i>	80
<i>Anthemis</i>	147	<i>Appendicula</i>	690	<i>Arnica</i>	149
Anthericaceae	620	<i>Appunia</i>	500	<i>Arnicastrum</i>	149
<i>Anthericum</i>	620	<i>Apterosperma</i>	579	<i>Arnoglossum</i>	149
<i>Anthocercis</i>	570	<i>Apurimacia</i>	337	<i>Arnottia</i>	690
<i>Anthodiscus</i>	119	Aquifoliaceae	57	<i>Arpophyllum</i>	690
<i>Anthodon</i>	133	<i>Aquilaria</i>	581	<i>Arrhenatherum</i>	653
<i>Anthonotha</i>	337	<i>Aquilegia</i>	479	<i>Arrojadoa</i>	92
<i>Anthopteropsis</i>	245	<i>Arabidopsis</i>	214	<i>Artabotrys</i>	50
<i>Anthopterus</i>	245	<i>Arabis</i>	214	<i>Artemisia</i>	149
<i>Anthospermum</i>	500	Araceae	620	<i>Arthraxon</i>	653
<i>Anthotium</i>	294	<i>Arachniodes</i>	10	<i>Arthrocarpum</i>	338
<i>Anthurium</i>	621	<i>Arachnis</i>	690	<i>Arthrocareus</i>	92
<i>Anthyllis</i>	337	<i>Aralia</i>	58	<i>Arthrophyllum</i>	58
<i>Anticharis</i>	548	Araliaceae	58	<i>Arthropteris</i>	14
<i>Antidesma</i>	259	<i>Araucaria</i>	19	<i>Artocarpus</i>	411
<i>Antirhea</i>	500	Araucariaceae	19	<i>Artorima</i>	690
<i>Antirhoea</i>	500	<i>Arberella</i>	652	<i>Arum</i>	624
<i>Antirrhinum</i>	548	<i>Arbutus</i>	245	<i>Arunceus</i>	491
<i>Antistrophe</i>	415	<i>Arceuthobium</i>	603	<i>Arundinaria</i>	653
<i>Antiithrixia</i>	148	<i>Archangiopteris</i>	14	<i>Arundinella</i>	653
<i>Antonella</i>	652	<i>Archibaccharis</i>	148	<i>Arytera</i>	533
<i>Antrophyum</i>	18	<i>Archidendron</i>	337	<i>Asarum</i>	61
<i>Anulocaulis</i>	435	<i>Archidendropsis</i>	337	<i>Ascarina</i>	137
<i>Anvilleina</i>	148	<i>Archineottia</i>	690	<i>Asciadium</i>	586
<i>Aotus</i>	337	<i>Archontophoenix</i>	727	Asclepiadaceae	61
<i>Apacheria</i>	212	Arctomecon	443	<i>Asclepias</i>	61
<i>Apama</i>	60	Arctostaphylos	245	<i>Ascocentrum</i>	690
<i>Apassalus</i>	34	Arctotheca	148	<i>Ascochilus</i>	690
<i>Apatophyllum</i>	133	<i>Ardisia</i>	415	<i>Ascyrum</i>	296
<i>Apatostelis</i>	690	<i>Ardisiandra</i>	468	<i>Asimina</i>	50
<i>Apatzingania</i>	229	<i>Areca</i>	727	<i>Askidiosperma</i>	747
<i>Apeiba</i>	583	<i>Arenaria</i>	120	<i>Aspalathus</i>	338
<i>Apera</i>	652	<i>Arenga</i>	727	Asparagaceae	625
<i>Apetahia</i>	108	<i>Argemone</i>	443	<i>Asparagus</i>	625
<i>Aphanamixis</i>	406	<i>Argentipallium</i>	148	<i>Asperula</i>	500
<i>Aphandra</i>	727	<i>Argophyllum</i>	257	Asphodelaceae	625
<i>Aphanes</i>	491	<i>Argostemma</i>	500	<i>Asphodeline</i>	625
<i>Aphanisma</i>	135	<i>Argylia</i>	75	<i>Asphodelus</i>	626
<i>Aphanostelma</i>	61	<i>Argyranthemum</i>	148	<i>Aspidoglossum</i>	62
<i>Aphelandra</i>	34	<i>Argyreia</i>	203	<i>Aspidonepsis</i>	62
<i>Aphragmus</i>	214	<i>Argyrolobium</i>	338	<i>Aspidopterys</i>	389
<i>Aphyllorchis</i>	690	<i>Argyroxiphium</i>	149	<i>Aspidosperma</i>	55
<i>Apiopetalum</i>	58	<i>Argythamnia</i>	259	<i>Aspilia</i>	150
<i>Apios</i>	337	<i>Ariocarpus</i>	92	Aspleniaceae	4
<i>Apium</i>	586	<i>Arisaema</i>	623	<i>Asplenium</i>	4
Apocynaceae	54	<i>Arischrada</i>	307	<i>Asplundia</i>	640
<i>Apocynum</i>	55	<i>Aristea</i>	673	<i>Astartea</i>	419
<i>Apodanthera</i>	229	<i>Aristida</i>	652	<i>Astelia</i>	626
<i>Apodicarpum</i>	586	<i>Aristocapsa</i>	461	Asteliaceae	626
<i>Apodolirion</i>	616	<i>Aristogeitonia</i>	259	<i>Aster</i>	150
<i>Apodytes</i>	304	<i>Aristolochia</i>	60	<i>Asteranthe</i>	50
<i>Apollonias</i>	324	Aristolochiaceae	60	<i>Asteranthos</i>	329

<i>Asteriastigma</i>	280	<i>Axiniphyllum</i>	151	<i>Basiphyllaea</i>	690
<i>Asteriscium</i>	586	<i>Axonopus</i>	653	<i>Baskervillea</i>	690
<i>Asteriscus</i>	151	<i>Ayenia</i>	575	<i>Basselinia</i>	729
<i>Asterogyne</i>	727	<i>Azara</i>	280	<i>Bassia</i>	135
<i>Asterolasia</i>	524	<i>Azorella</i>	586	<i>Batesimalva</i>	392
<i>Asteromyrtus</i>	419	<i>Azorina</i>	108	<i>Bathysa</i>	501
<i>Asterostigma</i>	624	<i>Aztekiium</i>	92	<i>Bauhinia</i>	349
<i>Astilbe</i>	545	<i>Babiana</i>	673	<i>Baumea</i>	640
<i>Astiria</i>	575	<i>Baccaurea</i>	259	<i>Beaucarnea</i>	649
<i>Astragalus</i>	338	<i>Baccharis</i>	152	<i>Beauprea</i>	471
<i>Astrantia</i>	586	<i>Backhousia</i>	419	<i>Beccariella</i>	536
<i>Astridia</i>	43	<i>Bacopa</i>	548	<i>Beccariophoenix</i>	729
<i>Astripomoea</i>	203	<i>Bactris</i>	728	<i>Beckwithia</i>	480
<i>Astrocaryum</i>	727	<i>Badula</i>	417	<i>Begonia</i>	72
<i>Astroloba</i>	614	<i>Badusa</i>	501	<i>Begoniaceae</i>	72
<i>Astronidium</i>	397	<i>Baeckea</i>	419	<i>Behaimia</i>	349
<i>Astronium</i>	48	<i>Bafutia</i>	152	<i>Beilschmiedia</i>	324
<i>Astrophytum</i>	92	<i>Baikiaea</i>	348	<i>Beiselia</i>	89
<i>Astrotricha</i>	58	<i>Baileyoxylon</i>	280	<i>Bejaria</i>	246
<i>Asyneuma</i>	108	<i>Bakerella</i>	385	<i>Belairia</i>	349
<i>Atalantia</i>	524	<i>Bakeridesia</i>	392	<i>Bellardiochloa</i>	653
<i>Atalaya</i>	533	<i>Balaka</i>	729	<i>Bellevalia</i>	670
<i>Ateleia</i>	348	<i>Balanopaceae</i>	70	<i>Bellis</i>	152
<i>Ateramnus</i>	259	<i>Balanophora</i>	70	<i>Bellium</i>	152
<i>Athamanta</i>	586	<i>Balanophoraceae</i>	71	<i>Belosynopsis</i>	638
<i>Athanasia</i>	151	<i>Balanops</i>	70	<i>Bembicidium</i>	349
<i>Athrixia</i>	151	<i>Balduina</i>	152	<i>Bencomia</i>	491
<i>Athyrium</i>	18	<i>Balfourodendron</i>	524	<i>Benedictella</i>	349
<i>Atkinsonia</i>	385	<i>Ballantinia</i>	215	<i>Bensoniella</i>	545
<i>Atractylis</i>	151	<i>Ballota</i>	307	<i>Bentinckia</i>	729
<i>Atraphaxis</i>	461	<i>Baloghia</i>	260	<i>Bentleya</i>	450
<i>Atriplex</i>	135	<i>Balsaminaceae</i>	71	<i>Berardia</i>	152
<i>Atropa</i>	570	<i>Balsamocarpon</i>	348	<i>Berberidaceae</i>	74
<i>Attalea</i>	728	<i>Balsamocitrus</i>	524	<i>Berberidopsis</i>	281
<i>Atuna</i>	137	<i>Balsamorhiza</i>	152	<i>Berberis</i>	74
<i>Aubreggrinia</i>	536	<i>Banara</i>	280	<i>Berchemiella</i>	486
<i>Aubrieta</i>	215	<i>Banisteriopsis</i>	389	<i>Berenice</i>	108
<i>Audouinia</i>	88	<i>Banksia</i>	471	<i>Bergenia</i>	545
<i>Auerodendron</i>	486	<i>Baphia</i>	348	<i>Bergerocactus</i>	92
<i>Aulacospermum</i>	586	<i>Baptisia</i>	348	<i>Bergeronia</i>	349
<i>Aulomyrcia</i>	419	<i>Barbarea</i>	215	<i>Bergia</i>	243
<i>Aulotandra</i>	751	<i>Barbosella</i>	690	<i>Berhautia</i>	385
<i>Aureolaria</i>	548	<i>Barcella</i>	729	<i>Berkheya</i>	152
<i>Aurinia</i>	215	<i>Barkeria</i>	690	<i>Berlandiera</i>	152
<i>Australopyrum</i>	653	<i>Barleria</i>	35	<i>Berlinia</i>	349
<i>Austrobuxus</i>	259	<i>Barlia</i>	690	<i>Bernardia</i>	260
<i>Austrocactus</i>	92	<i>Barnadesia</i>	152	<i>Bersama</i>	409
<i>Austrocedrus</i>	20	<i>Barongia</i>	420	<i>Berteroa</i>	216
<i>Austromuelleria</i>	471	<i>Barrosoa</i>	152	<i>Bertiera</i>	501
<i>Austromyrtus</i>	419	<i>Bartholomaea</i>	281	<i>Bertya</i>	260
<i>Avellanita</i>	259	<i>Bartlettina</i>	152	<i>Berzelia</i>	89
<i>Avena</i>	653	<i>Bartonia</i>	284	<i>Beschormeria</i>	607
<i>Avenula</i>	653	<i>Bartsia</i>	548	<i>Besleria</i>	289
<i>Avonia</i>	467	<i>Basananthe</i>	445	<i>Besseyia</i>	549
<i>Axinaea</i>	397	<i>Basedowia</i>	152	<i>Beta</i>	135
<i>Axinandra</i>	229	<i>Basellaceae</i>	72	<i>Betula</i>	75



Betulaceae	75	Boraginaceae	79	<i>Bredia</i>	398
<i>Beyeria</i>	260	<i>Borago</i>	80	<i>Bretschneidera</i>	87
<i>Bhesa</i>	133	<i>Borassodendron</i>	729	Bretschneideraceae	87
<i>Bhidea</i>	653	<i>Borassus</i>	729	<i>Brevia</i>	536
<i>Biarum</i>	624	<i>Borderea</i>	647	<i>Breynia</i>	260
<i>Bidaria</i>	62	<i>Boreava</i>	216	<i>Brickellia</i>	154
<i>Bidens</i>	152	<i>Bormmuellera</i>	216	<i>Bridelia</i>	260
<i>Biermannia</i>	690	<i>Borodinia</i>	216	<i>Brighamia</i>	108
<i>Bigelovia</i>	153	<i>Borojoa</i>	501	<i>Briquetia</i>	392
Bignoniaceae	75	<i>Boronella</i>	524	<i>Brodiaea</i>	611
<i>Bijlia</i>	43	<i>Boronia</i>	524	<i>Brodriguesia</i>	349
<i>Bikkia</i>	501	<i>Borreria</i>	501	<i>Bromelia</i>	627
<i>Billardiera</i>	450	<i>Borya</i>	620	Bromeliaceae	627
<i>Biophytum</i>	442	<i>Boscia</i>	117	<i>Bromus</i>	654
<i>Bipinnula</i>	690	<i>Bosistoa</i>	524	<i>Brongniartia</i>	349
<i>Biscutella</i>	216	<i>Bossiaea</i>	349	<i>Brongniartikentia</i>	729
<i>Bistorta</i>	461	<i>Boswellia</i>	89	<i>Brosimum</i>	411
<i>Blachia</i>	260	<i>Bothriochloa</i>	653	<i>Broughtonia</i>	691
<i>Blakea</i>	397	<i>Botrychium</i>	14	<i>Broussonetia</i>	412
<i>Blandfordia</i>	627	<i>Boischantzevia</i>	216	<i>Browneopsis</i>	349
Blandfordiaceae	627	<i>Bottegoa</i>	533	<i>Browningia</i>	92
Blechnaceae	5	<i>Bouea</i>	48	<i>Brucea</i>	569
<i>Blechnum</i>	5	<i>Bourreria</i>	80	<i>Brunellia</i>	87
<i>Blechnum</i>	35	<i>Bouieloua</i>	653	Brunelliaceae	87
<i>Blennosperma</i>	153	<i>Bouvardia</i>	501	<i>Brunfelsia</i>	570
<i>Blepharis</i>	35	<i>Bowiea</i>	670	<i>Brunia</i>	89
<i>Blepharizonia</i>	153	<i>Bowkeria</i>	549	Bruniaceae	89
<i>Blephilia</i>	308	<i>Bowringia</i>	349	<i>Brunnera</i>	80
<i>Bletia</i>	690	<i>Brachanthemum</i>	153	<i>Brunsvigia</i>	616
<i>Bloomeria</i>	611	<i>Brachiaria</i>	653	<i>Bryonia</i>	229
<i>Blumea</i>	153	<i>Brachionidium</i>	691	<i>Bubbia</i>	605
<i>Blutaparon</i>	47	<i>Brachycereus</i>	92	<i>Bubonium</i>	154
<i>Bobartia</i>	674	<i>Brachychiton</i>	575	<i>Buchanania</i>	48
<i>Bobea</i>	501	<i>Brachycome</i>	153	<i>Buchenavia</i>	143
<i>Bocageopsis</i>	50	<i>Brachycorythis</i>	691	<i>Buchlomimus</i>	654
<i>Bocquillonia</i>	260	<i>Brachyglottis</i>	154	<i>Buchnera</i>	549
<i>Boea</i>	289	<i>Brachylophon</i>	390	<i>Bucida</i>	144
<i>Boehmeria</i>	595	<i>Brachynema</i>	436	<i>Buckinghamia</i>	471
<i>Boerhavia</i>	435	<i>Brachyotum</i>	397	<i>Buckleya</i>	532
<i>Boesenbergia</i>	751	<i>Brachypeza</i>	691	<i>Budawangia</i>	243
<i>Boisduvalia</i>	439	<i>Brachypodium</i>	653	<i>Buddleja</i>	89
<i>Bolandra</i>	545	<i>Brachyscome</i>	154	Buddlejaceae	89
<i>Bolanthus</i>	121	<i>Brachysema</i>	349	<i>Buergersiochloa</i>	654
<i>Bolbitis</i>	13	<i>Brachysiphon</i>	446	<i>Bufonia</i>	121
<i>Boleum</i>	216	<i>Brachystachyum</i>	653	<i>Buglossoides</i>	80
<i>Boltonia</i>	153	<i>Brachystegia</i>	349	<i>Bulbine</i>	626
<i>Bolusiella</i>	691	<i>Brachystelma</i>	62	<i>Bulbinella</i>	626
<i>Bomarea</i>	616	<i>Brackenridgea</i>	436	<i>Bulbophyllum</i>	691
Bombacaceae	78	<i>Brahea</i>	729	<i>Bulbostylis</i>	640
<i>Bombax</i>	78	<i>Brasilicereus</i>	92	<i>Bulleyia</i>	692
<i>Bonamia</i>	203	<i>Brassaiopsis</i>	58	<i>Bulnesia</i>	605
<i>Bonania</i>	260	<i>Brassica</i>	216	<i>Bumelia</i>	536
<i>Bonatea</i>	691	<i>Braunsia</i>	43	<i>Bunchosia</i>	390
<i>Boninia</i>	524	<i>Bravaisia</i>	35	<i>Bunium</i>	586
<i>Bonnaya</i>	549	<i>Braya</i>	216	<i>Buphthalmum</i>	154
<i>Bonnetia</i>	296	<i>Brazoria</i>	308	<i>Bupleurum</i>	586

<i>Burkillanthus</i>	524	Callitrichaceae	107	<i>Cancriniella</i>	155
Burmanniaceae	637	<i>Callitriche</i>	107	Canellaceae	117
<i>Burmeistera</i>	108	<i>Callitris</i>	20	<i>Canna</i>	637
<i>Burnettia</i>	692	<i>Calloopsis</i>	624	Cannaceae	637
<i>Burretiodendron</i>	583	<i>Calocedrus</i>	20	<i>Cannomolis</i>	747
<i>Burretio kentia</i>	729	<i>Calochilus</i>	694	<i>Canscora</i>	284
<i>Bursera</i>	89	<i>Calochortus</i>	684	<i>Canthium</i>	501
Burseraceae	89	<i>Caloncoba</i>	281	<i>Caperonia</i>	260
<i>Bussea</i>	349	<i>Calophuca</i>	350	Capparaceae	117
<i>Butia</i>	729	<i>Calophyllum</i>	296	<i>Capparis</i>	117
Buxaceae	91	<i>Calopogonium</i>	350	Caprifoliaceae	118
<i>Buxus</i>	91	<i>Calopsis</i>	747	<i>Capsella</i>	217
<i>Byrsonima</i>	390	<i>Caloscordum</i>	611	<i>Capsicum</i>	570
<i>Byrsophyllum</i>	501	<i>Calospatha</i>	731	<i>Captaincookia</i>	502
<i>Bystropogon</i>	308	<i>Calothamnus</i>	420	<i>Caragana</i>	350
<i>Byttneria</i>	575	<i>Calotis</i>	155	<i>Carallia</i>	489
<i>Cabralea</i>	406	<i>Calpurnia</i>	350	<i>Caralluma</i>	63
<i>Cacalia</i>	154	<i>Caltha</i>	480	<i>Cardamine</i>	217
<i>Cachrys</i>	587	<i>Calvoa</i>	398	<i>Cardenanthus</i>	674
Cactaceae	92	<i>Calycadenia</i>	155	<i>Cardiospermum</i>	533
<i>Cadaba</i>	117	Calycanthaceae	107	<i>Carduncellus</i>	155
<i>Cadellia</i>	578	<i>Calycanthus</i>	107	<i>Carduus</i>	155
<i>Cadetia</i>	692	Calyceraceae	107	<i>Carex</i>	640
<i>Cadiscus</i>	154	<i>Calycogonium</i>	398	<i>Caribea</i>	435
<i>Caesalpinia</i>	349	<i>Calycolpus</i>	420	<i>Carica</i>	119
<i>Cailliella</i>	398	<i>Calycorectes</i>	420	Caricaceae	119
<i>Cajanus</i>	350	<i>Calycotome</i>	350	<i>Cariniana</i>	329
<i>Cakile</i>	216	<i>Calydorea</i>	674	<i>Carissa</i>	55
<i>Caladenia</i>	692	<i>Calyptranthes</i>	420	<i>Carlina</i>	155
<i>Caladium</i>	624	<i>Calyptrocarya</i>	640	<i>Carlowrightia</i>	35
<i>Calamagrostis</i>	654	<i>Calyptrogyne</i>	731	<i>Carmichaelia</i>	350
<i>Calamintha</i>	308	<i>Calyptronoma</i>	731	<i>Carminata</i>	155
<i>Calamovilfa</i>	654	<i>Calystegia</i>	203	<i>Carpacoce</i>	502
<i>Calamus</i>	729	<i>Calytrix</i>	421	<i>Carpenteria</i>	301
<i>Calandrinia</i>	467	<i>Camassia</i>	670	<i>Carpinus</i>	206
<i>Calanthe</i>	694	<i>Camchaya</i>	155	<i>Carpotroche</i>	281
<i>Calathea</i>	688	<i>Camelina</i>	216	<i>Carpoxydon</i>	731
<i>Calatola</i>	304	<i>Camellia</i>	579	<i>Carronia</i>	409
<i>Calceolaria</i>	549	<i>Cameraria</i>	55	<i>Carthamus</i>	155
<i>Calea</i>	154	<i>Camissonia</i>	439	<i>Cartonema</i>	638
<i>Calectasia</i>	637	<i>Campanula</i>	108	<i>Carum</i>	587
Calectasiaceae	637	Campanulaceae	108	<i>Caryocar</i>	119
<i>Calendula</i>	154	<i>Campbellia</i>	552	Caryocaraceae	119
<i>Caliphuria</i>	616	<i>Campecarpus</i>	731	<i>Caryodaphnopsis</i>	324
<i>Calispepla</i>	350	<i>Campnosperma</i>	48	<i>Caryodendron</i>	260
<i>Callaeum</i>	390	<i>Campomanesia</i>	421	Caryophyllaceae	120
<i>Calliandra</i>	350	<i>Campsiandra</i>	350	<i>Caryopteris</i>	599
<i>Callianthemum</i>	480	<i>Camptolepis</i>	533	<i>Caryota</i>	731
<i>Callicarpa</i>	599	<i>Campuloma</i>	552	<i>Caryotophora</i>	43
<i>Calligonum</i>	461	<i>Campylanthus</i>	552	<i>Casasia</i>	502
<i>Callilepis</i>	155	<i>Campylocentrum</i>	694	<i>Casearia</i>	281
<i>Callirhoe</i>	392	<i>Campylostemon</i>	133	<i>Cassia</i>	351
<i>Callisia</i>	638	<i>Canarina</i>	111	<i>Cassinia</i>	155
<i>Callistemon</i>	420	<i>Canarium</i>	90	<i>Cassiope</i>	246
<i>Callisthene</i>	605	<i>Canavalia</i>	350	<i>Cassipourea</i>	489
<i>Callistopteris</i>	13	<i>Canbya</i>	443	<i>Cassytha</i>	324

<i>Castanea</i>	277	<i>Cephalophyllum</i>	43	<i>Charpentiera</i>	47
<i>Castanopsis</i>	278	<i>Cephalopodium</i>	587	<i>Chaseella</i>	695
<i>Castela</i>	569	<i>Cephalostachyum</i>	655	<i>Chasmanthe</i>	674
<i>Castilla</i>	412	<i>Cephalostigma</i>	111	<i>Chassalia</i>	502
<i>Castilleja</i>	552	Cephalotaxaceae	19	<i>Chaubardiella</i>	695
Casuarinaceae	131	<i>Cephalotaxus</i>	19	<i>Chazaliella</i>	502
<i>Catabrosa</i>	654	<i>Cerastium</i>	121	<i>Cheesmania</i>	217
<i>Catalpa</i>	75	<i>Cerasus</i>	491	<i>Cheilanthes</i>	3
<i>Catamixis</i>	156	<i>Ceraiaandra</i>	695	<i>Cheilophyllum</i>	553
<i>Catapodium</i>	655	<i>Ceratanthus</i>	308	<i>Cheilotheca</i>	248
<i>Catasetum</i>	694	<i>Ceratocaryum</i>	747	<i>Cheiranthera</i>	450
<i>Catesbaea</i>	502	<i>Ceratolobus</i>	731	<i>Cheiridopsis</i>	43
<i>Catha</i>	133	<i>Ceratonia</i>	351	<i>Cheirodendron</i>	58
<i>Catharanthus</i>	55	<i>Ceratopetalum</i>	231	<i>Cheirolophus</i>	160
<i>Cathaya</i>	23	Ceratophyllaceae	135	<i>Cheirostylis</i>	695
<i>Cathedra</i>	436	<i>Ceratophyllum</i>	135	<i>Chelone</i>	553
<i>Catila</i>	674	<i>Ceratopteris</i>	15	<i>Chelonopsis</i>	308
<i>Catopsis</i>	627	<i>Ceratostigma</i>	453	<i>Chelyocarpus</i>	733
<i>Cattleya</i>	694	<i>Ceratostylis</i>	695	Chenopodiaceae	135
<i>Caulanthus</i>	217	<i>Ceratozamia</i>	30	<i>Chenopodium</i>	135
<i>Caulostramina</i>	217	<i>Cerbera</i>	55	<i>Chesneya</i>	352
<i>Cautleya</i>	751	<i>Cerberiopsis</i>	55	<i>Chiangiodendron</i>	282
<i>Cavendishia</i>	246	<i>Cercocarpus</i>	491	<i>Chigua</i>	31
<i>Cayaponia</i>	229	<i>Cereus</i>	92	<i>Chiliadenus</i>	161
<i>Cayratia</i>	604	<i>Ceropegia</i>	63	<i>Chilocarpus</i>	55
<i>Ceanothus</i>	486	<i>Ceroxylon</i>	732	<i>Chiloglottis</i>	695
<i>Cecropia</i>	132	<i>Cestrum</i>	570	<i>Chiloschista</i>	695
Cecropiaceae	132	<i>Ceterach</i>	4	<i>Chimaphila</i>	248
<i>Cedrela</i>	406	<i>Chaboissaea</i>	655	<i>Chimarrhis</i>	502
<i>Cedrus</i>	23	<i>Chaenactis</i>	160	<i>Chimonobambusa</i>	655
<i>Ceiba</i>	78	<i>Chaenorhinum</i>	553	<i>Chingia</i>	17
Celastraceae	133	<i>Chaenorrhinum</i>	553	<i>Chiococca</i>	502
<i>Celastrus</i>	133	<i>Chaerophyllum</i>	587	<i>Chionanthus</i>	437
<i>Celmisia</i>	156	<i>Chaetanthera</i>	160	<i>Chione</i>	503
<i>Celosia</i>	47	<i>Chaetocarpus</i>	260	<i>Chionochloa</i>	655
<i>Celsia</i>	553	<i>Chaetolepis</i>	398	<i>Chionodoxa</i>	670
<i>Celtis</i>	585	<i>Chaetopappa</i>	160	<i>Chionographis</i>	688
<i>Cenchrus</i>	655	<i>Chaetotropis</i>	655	<i>Chionohebe</i>	553
<i>Cenia</i>	156	<i>Chalema</i>	229	<i>Chirita</i>	289
<i>Centaurea</i>	156	<i>Chamaebatia</i>	491	<i>Chlamydocarya</i>	304
<i>Centaurium</i>	284	<i>Chamaecrista</i>	351	<i>Chloraea</i>	695
<i>Centaurodendron</i>	160	<i>Chamaecyparis</i>	20	Chloranthaceae	137
<i>Centella</i>	587	<i>Chamaecytisus</i>	351	<i>Chloris</i>	655
<i>Centranthus</i>	598	<i>Chamaedorea</i>	732	<i>Chlorocalymma</i>	655
<i>Centratherum</i>	160	<i>Chamaemeles</i>	491	<i>Chlorogalum</i>	670
Centrolepidaceae	637	<i>Chamaepentas</i>	502	<i>Chloroleucon</i>	352
<i>Centrolepis</i>	637	<i>Chamaeranthemum</i>	36	<i>Chlorophytum</i>	620
<i>Centrolobium</i>	351	<i>Chamaesyce</i>	260	<i>Chlorospatha</i>	624
<i>Centronia</i>	398	<i>Chamarea</i>	587	<i>Choerospondias</i>	48
<i>Centropogon</i>	111	<i>Chambeyronia</i>	733	<i>Choisya</i>	524
<i>Centrosema</i>	351	<i>Chamelaucium</i>	421	<i>Chomelia</i>	503
<i>Cephaelis</i>	502	<i>Changium</i>	587	<i>Chondrilla</i>	161
<i>Cephalanthera</i>	694	<i>Changnienia</i>	695	<i>Chondropetalum</i>	747
<i>Cephalaria</i>	234	<i>Chaptalia</i>	160	<i>Chondrorhyncha</i>	695
<i>Cephalocereus</i>	92	<i>Charadrophila</i>	553	<i>Chondrosium</i>	655
<i>Cephalomappa</i>	260	<i>Charianthus</i>	398	<i>Chordospartium</i>	352

<i>Choricarpia</i>	421	<i>Citharexylum</i>	599	<i>Cochlospermum</i>	143
<i>Choriceras</i>	261	<i>Citronella</i>	304	<i>Codiaeum</i>	262
<i>Chorisandrachne</i>	261	<i>Citropsis</i>	524	<i>Codonanthe</i>	289
<i>Chorizandra</i>	643	<i>Citrus</i>	524	<i>Codonocarpus</i>	299
<i>Chorizanthe</i>	461	<i>Cladochaeta</i>	164	<i>Codonopsis</i>	112
<i>Chorizema</i>	352	<i>Cladocolea</i>	385	<i>Coelachne</i>	655
<i>Chresta</i>	161	<i>Cladopus</i>	456	<i>Coelia</i>	695
<i>Christella</i>	17	<i>Claoxylon</i>	261	<i>Coelidium</i>	352
<i>Christensenia</i>	14	<i>Clarkeila</i>	503	<i>Coelocarpum</i>	599
<i>Christisonia</i>	553	<i>Clarkia</i>	440	<i>Coelogyne</i>	695
<i>Chromolaena</i>	161	<i>Clausena</i>	525	<i>Coelopleurum</i>	587
<i>Chromolucuma</i>	536	<i>Clausospicula</i>	655	<i>Coelorachis</i>	655
<i>Chronanthus</i>	352	<i>Clavija</i>	581	<i>Coffea</i>	503
<i>Chrysanthemum</i>	161	<i>Claytonia</i>	467	<i>Coilostigma</i>	248
<i>Chrysobalanaceae</i>	137	<i>Claytoniella</i>	467	<i>Coincya</i>	218
<i>Chrysobalanus</i>	137	<i>Cleidiocarpon</i>	262	<i>Cojoba</i>	352
<i>Chrysochamela</i>	217	<i>Cleidion</i>	262	<i>Cola</i>	575
<i>Chrysocynis</i>	695	<i>Cleisostoma</i>	695	<i>Colchicaceae</i>	637
<i>Chrysoglossum</i>	695	<i>Cleistanthus</i>	262	<i>Colchicum</i>	637
<i>Chrysophthalmum</i>	161	<i>Cleistis</i>	695	<i>Coldenia</i>	80
<i>Chrysophyllum</i>	536	<i>Cleistocactus</i>	93	<i>Colea</i>	75
<i>Chrysopenium</i>	545	<i>Cleistocalyx</i>	421	<i>Coleactina</i>	503
<i>Chrysopogon</i>	655	<i>Clematis</i>	480	<i>Coleanthera</i>	243
<i>Chrysopsis</i>	161	<i>Cleome</i>	118	<i>Coleanthus</i>	655
<i>Chrysoplenium</i>	545	<i>Cleomella</i>	118	<i>Coleocephalocereus</i>	93
<i>Chrysothamnus</i>	161	<i>Cleretum</i>	43	<i>Coleonema</i>	525
<i>Chunia</i>	300	<i>Clermontia</i>	111	<i>Coleus</i>	308
<i>Chuniophoenix</i>	733	<i>Clerodendrum</i>	599	<i>Colletia</i>	486
<i>Chuquiraga</i>	161	<i>Clethra</i>	143	<i>Collinsia</i>	554
<i>Chusquea</i>	655	<i>Clethraceae</i>	143	<i>Collomia</i>	456
<i>Chysis</i>	695	<i>Cleyera</i>	580	<i>Colobanthus</i>	122
<i>Chytranthus</i>	533	<i>Clianthus</i>	352	<i>Colobogyne</i>	164
<i>Cibotium</i>	10	<i>Clibadium</i>	164	<i>Colpodium</i>	655
<i>Cicer</i>	352	<i>Clidemia</i>	398	<i>Colpotherinax</i>	733
<i>Cicerbita</i>	161	<i>Cliffortia</i>	491	<i>Colubrina</i>	486
<i>Ciceronia</i>	161	<i>Clinopodium</i>	308	<i>Columellia</i>	143
<i>Cicuta</i>	587	<i>Clinosperma</i>	733	<i>Columelliaceae</i>	143
<i>Cimicifuga</i>	480	<i>Clinostigma</i>	733	<i>Columnea</i>	289
<i>Cinchona</i>	503	<i>Clitoria</i>	352	<i>Colutea</i>	352
<i>Cinninobotrys</i>	398	<i>Cloezia</i>	421	<i>Colysis</i>	16
<i>Cineraria</i>	161	<i>Clowesia</i>	695	<i>Comarostaphylis</i>	248
<i>Cinna</i>	655	<i>Clusia</i>	297	<i>Comastoma</i>	285
<i>Cinnamodendron</i>	117	<i>Clutia</i>	262	<i>Comborhiza</i>	164
<i>Cinnamomum</i>	324	<i>Clypeola</i>	217	<i>Combretaceae</i>	143
<i>Cipocereus</i>	92	<i>Cnemidaria</i>	5	<i>Combretum</i>	144
<i>Cipura</i>	674	<i>Cneoridium</i>	525	<i>Comesperma</i>	459
<i>Circandra</i>	43	<i>Cnesmone</i>	262	<i>Commelina</i>	638
<i>Cirrhopetalum</i>	695	<i>Cnidoscopus</i>	262	<i>Commelinaceae</i>	638
<i>Cirsium</i>	161	<i>Coccinia</i>	229	<i>Commicarpus</i>	435
<i>Cischweinfia</i>	695	<i>Coccocypselum</i>	503	<i>Commidendrum</i>	164
<i>Cissampelos</i>	409	<i>Coccoloba</i>	461	<i>Commiphora</i>	90
<i>Cissus</i>	604	<i>Cocconerion</i>	262	<i>Commitheca</i>	503
<i>Cistaceae</i>	142	<i>Coccothrinax</i>	733	<i>Commellia</i>	627
<i>Cistanche</i>	553	<i>Cochleanthes</i>	695	<i>Comocladia</i>	48
<i>Cistanthe</i>	467	<i>Cochlearia</i>	217	<i>Comparettia</i>	696
<i>Cistus</i>	142	<i>Cochlospermaceae</i>	143	<i>Compositae</i>	145

<i>Conceveiba</i>	262	<i>Corylus</i>	207	<i>Croizatia</i>	262
<i>Condalia</i>	487	<i>Corymbium</i>	164	<i>Cronquistianthus</i>	166
<i>Condaminea</i>	503	<i>Corymborkis</i>	696	<i>Croomia</i>	748
<i>Congea</i>	599	<i>Corynabutilon</i>	392	<i>Crossopetalum</i>	133
conifer	19	Coryuocarpaceae	207	Crossosomataceae	212
<i>Conimitella</i>	545	<i>Corynocarpus</i>	207	<i>Crotalaria</i>	352
<i>Coniogramme</i>	3	<i>Corypha</i>	734	<i>Croton</i>	262
<i>Conioselinum</i>	588	<i>Coryphantha</i>	93	<i>Crotonogyne</i>	263
Connaraceae	202	<i>Coryphopteris</i>	17	<i>Crucianella</i>	504
<i>Connarus</i>	202	<i>Corythophora</i>	329	<i>Cruciata</i>	504
<i>Connellia</i>	627	<i>Coscinium</i>	410	Cruciferae	212
<i>Conophytum</i>	43	<i>Cosmos</i>	164	<i>Crudia</i>	354
<i>Conospermum</i>	471	<i>Cossinia</i>	533	<i>Crusea</i>	504
<i>Conostegia</i>	399	Costaceae	639	<i>Cryosophila</i>	734
<i>Conostephium</i>	243	<i>Costus</i>	639	<i>Crypsinus</i>	16
<i>Conostylis</i>	668	<i>Cotoneaster</i>	491	<i>Crypsis</i>	655
<i>Conradina</i>	308	<i>Cotopaxia</i>	588	<i>Cryptadenia</i>	581
<i>Conringia</i>	218	<i>Cottendorfia</i>	627	<i>Cryptandra</i>	487
<i>Consolida</i>	480	<i>Cotula</i>	164	<i>Cryptantha</i>	81
<i>Constantia</i>	696	<i>Coryledon</i>	208	Crypteroniaceae	229
Convallariaceae	639	<i>Corylelobium</i>	235	<i>Cryptocarya</i>	324
Convolvulaceae	203	<i>Couepia</i>	137	<i>Cryptocentrum</i>	696
<i>Convolvulus</i>	204	<i>Couma</i>	55	<i>Cryptochilus</i>	696
<i>Cooperia</i>	616	<i>Couratari</i>	329	<i>Cryptochloa</i>	655
<i>Cooperookia</i>	295	<i>Couroupiia</i>	329	<i>Cryptocodon</i>	112
<i>Copaifera</i>	352	<i>Coursetia</i>	352	<i>Cryptocoryne</i>	624
<i>Copernicia</i>	733	<i>Cousinia</i>	164	<i>Cryptolepis</i>	65
<i>Copiapoa</i>	93	<i>Coussapoa</i>	132	<i>Cryptomeria</i>	29
<i>Coprosma</i>	503	<i>Coussarea</i>	504	<i>Cryptosepalum</i>	354
<i>Coptis</i>	480	<i>Coutaportla</i>	504	<i>Cryptostylis</i>	696
<i>Corallocarpus</i>	230	<i>Craibia</i>	352	<i>Ctenitis</i>	10
<i>Corallorrhiza</i>	696	<i>Craigia</i>	583	<i>Ctenium</i>	655
<i>Corchorus</i>	583	<i>Crambe</i>	218	<i>Ctenopteris</i>	11
<i>Cordeauxia</i>	352	<i>Crambella</i>	218	<i>Cucumella</i>	230
<i>Cordia</i>	80	<i>Cranichis</i>	696	<i>Cucumis</i>	230
<i>Cordyla</i>	352	<i>Craspedia</i>	165	<i>Cucurbita</i>	230
<i>Cordylanthus</i>	554	<i>Crassula</i>	208	Cucurbitaceae	229
<i>Cordyline</i>	607	Crassulaceae	207	<i>Cuervea</i>	133
<i>Coreocarpus</i>	164	<i>Crataegus</i>	491	<i>Cuitlauzina</i>	697
<i>Coreopsis</i>	164	<i>Craterispermum</i>	504	<i>Culcasia</i>	624
<i>Corethrogyne</i>	164	<i>Craterosiphon</i>	581	<i>Cullen</i>	354
<i>Coris</i>	468	<i>Cremanthodium</i>	165	<i>Cullenia</i>	78
<i>Corispermum</i>	136	<i>Cre mastopus</i>	230	<i>Cullumia</i>	166
Cornaceae	206	<i>Cre mnophyton</i>	136	<i>Cuminia</i>	308
<i>Cornus</i>	206	<i>Cre mosperma</i>	290	<i>Cunninghamia</i>	29
<i>Cornutia</i>	599	<i>Cre pidiastrum</i>	165	<i>Cunonia</i>	231
<i>Corokia</i>	257	<i>Cre pidomanes</i>	13	Cunoniaceae	231
<i>Coronopus</i>	218	<i>Cre pidospermum</i>	90	<i>Cupania</i>	533
<i>Correa</i>	525	<i>Cre pis</i>	165	<i>Cupaniopsis</i>	533
<i>Corryocactus</i>	93	<i>Cre scentia</i>	75	<i>Cuphea</i>	386
<i>Cortaderia</i>	655	<i>Crinodendron</i>	242	<i>Cupheanthus</i>	421
<i>Corybas</i>	696	<i>Crinum</i>	616	Cupressaceae	20
<i>Corycium</i>	696	<i>Cristaria</i>	392	<i>Cupressus</i>	20
<i>Corydalis</i>	443	<i>Crithopsis</i>	655	<i>Curculigo</i>	673
Corylaceae	206	<i>Crocoshia</i>	674	<i>Curcuma</i>	751
<i>Corylopsis</i>	300	<i>Crocus</i>	674	<i>Curroria</i>	65

<i>Curupira</i>	436	<i>Cyphostemma</i>	605	Davidsoniaceae	232
<i>Cuscuta</i>	204	<i>Cypripedium</i>	697	<i>Daviesia</i>	355
<i>Cusickiella</i>	218	<i>Cypselea</i>	44	<i>Debregeasia</i>	595
<i>Cuspidaria</i>	75	Cyrillaceae	231	<i>Decaschistia</i>	392
<i>Cussonia</i>	58	<i>Cyrtandra</i>	290	<i>Deckenia</i>	734
<i>Cuviera</i>	504	<i>Cyrtandroidea</i>	291	<i>Dedeckera</i>	462
<i>Cyananthus</i>	112	<i>Cyrtanthus</i>	616	<i>Deeringothamnus</i>	51
Cyanastraceae	640	<i>Cyrtocarpa</i>	48	<i>Degeneria</i>	232
<i>Cyanastrum</i>	640	<i>Cyrtomium</i>	10	Degeneriaceae	232
<i>Cyanea</i>	112	<i>Cyrtorchis</i>	697	<i>Degenia</i>	218
<i>Cyanella</i>	749	<i>Cyrtostachys</i>	734	<i>Dehaasia</i>	325
<i>Cyanicula</i>	697	<i>Cystoathyrium</i>	18	<i>Deherainia</i>	581
<i>Cyanotis</i>	638	<i>Cystopteris</i>	18	<i>Deinbollia</i>	534
<i>Cyathea</i>	5	<i>Cytisus</i>	354	<i>Deiregyne</i>	697
Cyatheaceae	5	<i>Daboecia</i>	249	<i>Delilia</i>	166
<i>Cyathobasis</i>	136	<i>Dacrycarpus</i>	27	<i>Delissea</i>	113
<i>Cyathocline</i>	166	<i>Dacrydium</i>	27	<i>Delonix</i>	355
<i>Cyathodes</i>	243	<i>Dacryodes</i>	90	<i>Delosperma</i>	44
<i>Cyathostemma</i>	50	<i>Dactyladenia</i>	138	<i>Delostoma</i>	76
<i>Cyathula</i>	47	<i>Dactylanthus</i>	71	<i>Delphinium</i>	481
<i>Cybianthus</i>	417	<i>Dactylis</i>	656	<i>Delpydora</i>	537
cycad	30	<i>Dactylorhiza</i>	697	<i>Deltaria</i>	582
Cycadaceae	30	<i>Daemonorops</i>	734	<i>Dendranthema</i>	166
Cycadopsida	30	<i>Dahlgrenodendron</i>	325	<i>Dendriopoterium</i>	492
<i>Cycas</i>	30	<i>Dahlia</i>	166	<i>Dendrobium</i>	697
<i>Cycladenia</i>	55	<i>Dalbergia</i>	354	<i>Dendrocacalia</i>	166
<i>Cyclamen</i>	468	<i>Dalea</i>	354	<i>Dendrocereus</i>	94
Cyclanthaceae	640	<i>Dalechampia</i>	263	<i>Dendrochilum</i>	699
<i>Cyclanthera</i>	230	<i>Damnacanthus</i>	504	<i>Dendroglossa</i>	16
<i>Cyclea</i>	410	<i>Damrxanthodium</i>	166	<i>Dendromecon</i>	444
<i>Cyclobalanopsis</i>	278	<i>Dampiera</i>	295	<i>Dendropanax</i>	58
<i>Cyclogramma</i>	17	<i>Danaea</i>	14	<i>Dendropemon</i>	386
<i>Cyclophyllum</i>	504	<i>Danais</i>	504	<i>Dendrophthora</i>	604
<i>Cyclopia</i>	354	<i>Dansiea</i>	144	<i>Dendrophylax</i>	699
<i>Cyclostemon</i>	263	<i>Danthonia</i>	656	<i>Dendroseris</i>	166
<i>Cyclotrichium</i>	308	<i>Danthoniopsis</i>	656	<i>Dendrosicyos</i>	230
<i>Cycnoches</i>	697	<i>Daphne</i>	581	<i>Dendrosida</i>	392
<i>Cylindrocline</i>	166	Daphniphyllaceae	232	<i>Denhamia</i>	133
<i>Cymbalaria</i>	554	<i>Daphniphyllum</i>	231	<i>Dennettia</i>	51
<i>Cymbidium</i>	697	<i>Daphnopsis</i>	582	Dennstaedtiaceae	9
<i>Cymbocarpum</i>	588	<i>Darlingia</i>	471	<i>Deparia</i>	18
<i>Cymbopetalum</i>	50	<i>Darniella</i>	136	<i>Deppea</i>	504
<i>Cymbopogon</i>	655	<i>Darwinia</i>	421	<i>Derwentia</i>	554
<i>Cymopterus</i>	588	<i>Darwiniothamnus</i>	166	<i>Descampsia</i>	656
<i>Cynanchum</i>	65	<i>Dasyllirion</i>	649	<i>Descurainia</i>	218
<i>Cynoglossum</i>	82	<i>Dasymaschalon</i>	51	<i>Desmanthodium</i>	166
<i>Cynometra</i>	354	<i>Dasynotus</i>	82	<i>Desmanthus</i>	355
<i>Cynorkis</i>	697	<i>Dasyphyllum</i>	166	<i>Desmodium</i>	355
<i>Cypella</i>	675	<i>Datisca</i>	232	<i>Desmoncus</i>	734
Cyperaceae	640	Datisceaceae	232	<i>Desmos</i>	51
<i>Cyperus</i>	643	<i>Daubenya</i>	670	<i>Desmostachys</i>	304
<i>Cyphanthera</i>	570	<i>Daucus</i>	588	<i>Deuterocohnia</i>	628
<i>Cyphia</i>	113	<i>Davallia</i>	9	<i>Deutzia</i>	302
<i>Cyphokentia</i>	734	Davalliaceae	9	<i>Deyeuxia</i>	656
<i>Cyphophoenix</i>	734	<i>Davidia</i>	206	<i>Dialium</i>	356
<i>Cyphosperma</i>	734	<i>Davidsonia</i>	232	<i>Diamena</i>	620

<i>Dianella</i>	746	<i>Digitaria</i>	656	<i>Dirca</i>	582
<i>Dianthoveus</i>	640	<i>Diglyphosa</i>	699	<i>Dirhamphis</i>	392
<i>Dianthus</i>	122	<i>Dignathe</i>	699	<i>Disa</i>	699
Diapensiaceae	232	<i>Digomphia</i>	76	<i>Disanthus</i>	300
<i>Diaphananthe</i>	699	<i>Dillenia</i>	233	<i>Discaria</i>	487
<i>Diascia</i>	554	Dilleniaceae	233	<i>Dischidia</i>	66
<i>Diastella</i>	471	<i>Dillwynia</i>	356	<i>Discocactus</i>	94
<i>Dicellostyles</i>	392	<i>Dilomilis</i>	699	<i>Discocalyx</i>	417
<i>Dicentra</i>	444	<i>Dimeria</i>	657	<i>Discocarpus</i>	264
<i>Dicerandra</i>	308	<i>Dimocarpus</i>	534	<i>Discophora</i>	304
<i>Dichaea</i>	699	<i>Dimorphandra</i>	356	<i>Disocactus</i>	94
<i>Dichantheium</i>	656	<i>Dinochloa</i>	657	<i>Disperis</i>	700
<i>Dichanthium</i>	656	<i>Dinteranthus</i>	44	<i>Disporum</i>	639
Dichapetalaceae	232	<i>Dioclea</i>	356	<i>Dissanthelium</i>	657
<i>Dichapetalum</i>	232	<i>Diodia</i>	504	<i>Dissochondrus</i>	657
<i>Dichelostemma</i>	611	<i>Dionaea</i>	240	<i>Dissotis</i>	399
<i>Dicheranthus</i>	305	Dioncophyllaceae	234	<i>Distephanus</i>	166
<i>Dichilanthe</i>	504	<i>Dionychastrum</i>	399	<i>Disterigma</i>	249
<i>Dichiloboea</i>	291	<i>Dionysia</i>	469	<i>Distichostemon</i>	534
<i>Dichondra</i>	205	<i>Dioon</i>	31	<i>Distylium</i>	300
<i>Dichrostachys</i>	356	<i>Dioscorea</i>	647	<i>Dithyrea</i>	218
<i>Dichrotrichum</i>	291	Dioscoreaceae	647	<i>Diuris</i>	700
<i>Dicksonia</i>	10	<i>Diosma</i>	525	<i>Djaloniella</i>	285
Dicksoniaceae	10	<i>Diospyros</i>	240	<i>Dodecahema</i>	462
<i>Dicliptera</i>	36	<i>Dipcadi</i>	670	<i>Dodecastigma</i>	264
<i>Diclis</i>	555	<i>Diphasiastrum</i>	1	<i>Dodecatheon</i>	469
<i>Dicoma</i>	166	<i>Diphasiopsis</i>	525	<i>Dodonia</i>	534
<i>Dicoria</i>	166	<i>Diplacus</i>	555	<i>Doerpfeldia</i>	487
dicot	34	<i>Diplandrorchis</i>	699	<i>Dolichochoaete</i>	657
<i>Dicraeanthus</i>	456	<i>Diplazium</i>	18	<i>Dolichometra</i>	504
<i>Dicraeopetalum</i>	356	<i>Diplobryum</i>	456	<i>Dolichos</i>	356
<i>Dicranolepis</i>	582	<i>Diplocaulobium</i>	699	<i>Doliocarpus</i>	233
<i>Dicranopteris</i>	11	<i>Diplocyclos</i>	230	<i>Dombeya</i>	576
<i>Dicranopygium</i>	640	<i>Diplodiscus</i>	583	<i>Domeykoa</i>	588
<i>Dicrasyllis</i>	599	<i>Diploglottis</i>	534	<i>Domingoa</i>	700
<i>Dictamnus</i>	525	<i>Diploknema</i>	537	<i>Donnellsmithia</i>	588
<i>Dictyocaryum</i>	734	<i>Diplomeris</i>	699	<i>Doodia</i>	5
<i>Dictyophragmus</i>	218	<i>Diplopterys</i>	390	<i>Dorema</i>	588
<i>Dictyosperma</i>	734	<i>Diplosoma</i>	44	<i>Doricera</i>	504
<i>Dictyospermum</i>	638	<i>Diplospora</i>	504	<i>Doronicum</i>	166
<i>Dicypellium</i>	325	<i>Diplostephium</i>	166	<i>Dorstenia</i>	412
<i>Didelotia</i>	356	<i>Diplotaxis</i>	218	<i>Dorycnium</i>	356
<i>Didiciea</i>	699	<i>Diplothorax</i>	412	<i>Doryopteris</i>	3
Didiereaceae	233	<i>Diplycosia</i>	249	<i>Dorystaechas</i>	308
<i>Didonica</i>	249	<i>Dipodium</i>	699	<i>Douglasia</i>	469
<i>Didymaea</i>	504	<i>Diposis</i>	588	<i>Douradoa</i>	436
<i>Didymaotus</i>	44	Dipsacaceae	234	<i>Dovyalis</i>	282
<i>Didymocarpus</i>	291	<i>Dipsacus</i>	234	<i>Downingia</i>	114
<i>Didymoplexis</i>	699	<i>Dipteracanthus</i>	36	<i>Draba</i>	218
<i>Didyplosandra</i>	36	<i>Dipteranthus</i>	699	<i>Drabastrum</i>	220
<i>Dieffenbachia</i>	624	Dipterocarpaceae	235	<i>Dracaena</i>	649
<i>Diellia</i>	5	<i>Dipterocarpus</i>	235	Dracaenaceae	649
<i>Dierama</i>	675	<i>Dipteronia</i>	42	<i>Dracocephalum</i>	308
<i>Diervilla</i>	118	<i>Dipteryx</i>	356	<i>Dracontomelon</i>	48
<i>Dietes</i>	675	<i>Diptychandra</i>	356	<i>Dracophyllum</i>	243
<i>Digitalis</i>	555	<i>Dirachma</i>	287	<i>Dracosciadium</i>	588

<i>Dracula</i>	700	<i>Echidnopsis</i>	66	<i>Elytranthe</i>	336
<i>Dracunculus</i>	624	<i>Echinacea</i>	167	<i>Elytraria</i>	36
<i>Drakaea</i>	700	<i>Echinocactus</i>	94	<i>Elytrigia</i>	657
<i>Drakonorchis</i>	700	<i>Echinocereus</i>	94	<i>Elytropappus</i>	167
<i>Draperia</i>	302	<i>Echinochloa</i>	657	<i>Embelia</i>	417
<i>Dregea</i>	66	<i>Echinodorus</i>	607	<i>Embergeria</i>	167
<i>Dregeochloa</i>	657	<i>Echinolaena</i>	657	<i>Embolanthera</i>	300
<i>Drejerella</i>	36	<i>Echinopanax</i>	59	<i>Embreea</i>	701
<i>Dresslerothamnus</i>	166	<i>Echinophora</i>	588	<i>Emmenanthe</i>	302
<i>Drimia</i>	671	<i>Echinops</i>	167	<i>Emmenopterys</i>	504
<i>Drimys</i>	605	<i>Echinopsis</i>	96	<i>Emmenosperma</i>	487
<i>Droguetia</i>	595	<i>Echinospartum</i>	357	<i>Emorya</i>	89
<i>Droogmansia</i>	356	<i>Echiostachys</i>	82	<i>Empedoclesia</i>	249
<i>Drosanthemum</i>	44	<i>Echium</i>	82	<i>Emplectanthus</i>	66
<i>Drosera</i>	240	<i>Ectotropis</i>	44	<i>Empleurum</i>	525
<i>Droseraceae</i>	240	<i>Ectrosia</i>	657	<i>Enantia</i>	51
<i>Drummondita</i>	525	<i>Edanyoa</i>	13	<i>Encelia</i>	167
<i>Dryadella</i>	701	<i>Edraianthus</i>	114	<i>Enceliopsis</i>	168
<i>Dryandra</i>	471	<i>Ehretia</i>	82	<i>Encephalartos</i>	31
<i>Drymaria</i>	124	<i>Ehrharta</i>	657	<i>Encholirium</i>	628
<i>Drymonia</i>	292	<i>Eizia</i>	504	<i>Encyclia</i>	701
<i>Drymophloeus</i>	735	<i>Ekmania</i>	167	<i>Endiandra</i>	325
<i>Drynaria</i>	16	<i>Ekmanianthe</i>	76	<i>Endonema</i>	447
<i>Dryopteridaceae</i>	10	<i>Ekmanochloa</i>	657	<i>Enemion</i>	482
<i>Dryopteris</i>	10	<i>Elachanthus</i>	167	<i>Enicosanthum</i>	51
<i>Drypetes</i>	264	<i>Elaeagia</i>	504	<i>Enkianthus</i>	249
<i>Dubautia</i>	167	<i>Elaeagnaceae</i>	242	<i>Ennealophus</i>	675
<i>Dubouzetia</i>	242	<i>Elaeagnus</i>	242	<i>Entada</i>	357
<i>Duckeanthus</i>	51	<i>Elaeocarpaceae</i>	242	<i>Epacridaceae</i>	243
<i>Dudleya</i>	208	<i>Elaeocarpus</i>	242	<i>Epacris</i>	243
<i>Dulacia</i>	436	<i>Elaeodendron</i>	133	<i>Epaltes</i>	168
<i>Dumasia</i>	356	<i>Elaeoluma</i>	537	<i>Ephedra</i>	18
<i>Dunnia</i>	504	<i>Elaeoselinum</i>	588	<i>Ephedraceae</i>	18
<i>Duranta</i>	599	<i>Elaphanthera</i>	532	<i>Ephippianthus</i>	701
<i>Durio</i>	78	<i>Elaphoglossum</i>	13	<i>Epiblema</i>	701
<i>Duroia</i>	504	<i>Elaterium</i>	230	<i>Epidendrum</i>	701
<i>Dutailleya</i>	525	<i>Elatinaceae</i>	243	<i>Epigeneium</i>	702
<i>Duvalia</i>	66	<i>Elatine</i>	243	<i>Epilobium</i>	441
<i>Duvaliandra</i>	66	<i>Elatostema</i>	595	<i>Epilyna</i>	702
<i>Dyckia</i>	628	<i>Elattostachys</i>	534	<i>Epimedium</i>	74
<i>Dyerophytum</i>	453	<i>Elegia</i>	747	<i>Epinetrum</i>	410
<i>Dymondia</i>	167	<i>Eleiotis</i>	357	<i>Epipactis</i>	702
<i>Dypsis</i>	735	<i>Eleocharis</i>	644	<i>Epiphyllum</i>	96
<i>Dyschoriste</i>	36	<i>Eleorchis</i>	701	<i>Epipogium</i>	702
<i>Dysophylla</i>	308	<i>Elephantomene</i>	410	<i>Epiprinus</i>	264
<i>Dysopsis</i>	264	<i>Elephantopus</i>	167	<i>Episcia</i>	292
<i>Dysosma</i>	74	<i>Elephantorrhiza</i>	357	<i>Epithelantha</i>	96
<i>Dysoxylum</i>	406	<i>Eleutharrhena</i>	410	<i>Eragrostis</i>	658
<i>Dyssodia</i>	167	<i>Elingamita</i>	417	<i>Eremalche</i>	392
<i>Eastwoodia</i>	167	<i>Elionurus</i>	657	<i>Eremanthus</i>	168
<i>Ebenaceae</i>	240	<i>Elleanthus</i>	701	<i>Eremia</i>	249
<i>Ebenus</i>	356	<i>Elliotia</i>	249	<i>Eremiella</i>	249
<i>Ecbolium</i>	36	<i>Ellipanthus</i>	202	<i>Eremocharis</i>	588
<i>Ecclinusa</i>	537	<i>Elodea</i>	673	<i>Eremocrinum</i>	620
<i>Echeandia</i>	620	<i>Elsholtzia</i>	308	<i>Eremogone</i>	124
<i>Echeveria</i>	209	<i>Elymus</i>	657	<i>Eremolepidaceae</i>	244



<i>Eremophila</i>	414	Escalloniaceae	257	<i>Exostyles</i>	357
<i>Eremopoa</i>	658	<i>Eschscholzia</i>	444	<i>Eysenhardtia</i>	357
<i>Eremosparton</i>	357	<i>Eschweilera</i>	329	<i>Facheiroa</i>	97
<i>Eremostachys</i>	308	<i>Escobaria</i>	96	Fagaceae	277
<i>Eremurus</i>	626	<i>Esenbeckia</i>	525	<i>Fagara</i>	526
<i>Erepisia</i>	44	<i>Espositoopsis</i>	97	<i>Fagonia</i>	606
<i>Eria</i>	703	<i>Etilingera</i>	751	<i>Fagraea</i>	384
<i>Eriastrum</i>	456	<i>Eubrachion</i>	244	<i>Fagus</i>	278
<i>Erica</i>	249	<i>Eucalyptus</i>	422	<i>Fahrenheitia</i>	270
Ericaceae	244	<i>Euceraea</i>	282	<i>Falcatifolium</i>	27
<i>Ericameria</i>	168	<i>Euchaetis</i>	525	<i>Fanninia</i>	66
<i>Erigeron</i>	168	<i>Eucharis</i>	617	<i>Faramea</i>	505
<i>Erinna</i>	611	<i>Euchorium</i>	534	<i>Farfugium</i>	172
<i>Erinocarpus</i>	583	<i>Eucnide</i>	384	<i>Faroa</i>	285
Eriocaulaceae	649	<i>Eucomis</i>	671	<i>Farraço</i>	658
<i>Eriocaulon</i>	649	<i>Eucommia</i>	258	<i>Farsetia</i>	221
<i>Eriochloa</i>	658	Eucommiaceae	258	<i>Fatsia</i>	59
<i>Eriochrysis</i>	658	<i>Eucrosia</i>	617	<i>Faucaria</i>	44
<i>Eriodictyon</i>	302	<i>Eucryphia</i>	258	<i>Faujasia</i>	172
<i>Eriogonum</i>	462	Eucryphiaceae	258	<i>Feddea</i>	172
<i>Eriolaena</i>	576	<i>Eugeissona</i>	737	<i>Felicia</i>	172
<i>Erioneuron</i>	658	<i>Eugenia</i>	425	<i>Femeniasia</i>	172
<i>Eriope</i>	308	<i>Euhesperida</i>	308	<i>Fendlera</i>	302
<i>Eriophyllum</i>	170	<i>Euleria</i>	48	<i>Fenestraria</i>	44
<i>Eriosema</i>	357	<i>Eulophia</i>	703	fern	3
<i>Eriosemopsis</i>	504	<i>Eulychnia</i>	97	<i>Fernandezia</i>	703
<i>Eriosorus</i>	3	<i>Euodia</i>	526	<i>Fernandoa</i>	76
Eriospermaceae	651	<i>Euonymus</i>	133	<i>Fernelia</i>	505
<i>Eriospermum</i>	651	<i>Eupatorium</i>	170	<i>Fernseea</i>	628
<i>Eriostemon</i>	525	<i>Euphorbia</i>	264	<i>Ferocactus</i>	97
<i>Eriosyce</i>	96	Euphorbiaceae	258	<i>Ferraria</i>	675
<i>Eriosynaphe</i>	588	<i>Euphrasia</i>	555	<i>Ferreyranthus</i>	172
<i>Eriotheca</i>	78	<i>Eureiandra</i>	230	<i>Ferula</i>	589
<i>Erithalis</i>	504	<i>Euroschinus</i>	48	<i>Ferulago</i>	589
<i>Eritrichium</i>	83	<i>Eurya</i>	580	<i>Festuca</i>	658
<i>Erlangea</i>	170	<i>Eurycorymbus</i>	534	<i>Ficinia</i>	644
<i>Ermodea</i>	505	<i>Euryodendron</i>	580	<i>Ficus</i>	413
<i>Erodium</i>	287	<i>Euryops</i>	171	<i>Filago</i>	172
<i>Erophila</i>	220	<i>Eurystyles</i>	703	<i>Filipendula</i>	492
<i>Erucastrum</i>	220	<i>Eurytaenia</i>	589	<i>Fimbristylis</i>	644
<i>Ervatamia</i>	55	<i>Eustachys</i>	658	<i>Firmiana</i>	576
<i>Erycibe</i>	205	<i>Euterpe</i>	737	<i>Fitchia</i>	172
<i>Erycina</i>	703	<i>Euthamia</i>	171	<i>Fitzroya</i>	20
<i>Eryngium</i>	588	<i>Eutrema</i>	221	Flacourtiaceae	280
<i>Erysimum</i>	220	<i>Euzomodendron</i>	221	<i>Flaveria</i>	172
<i>Erythrina</i>	357	<i>Evax</i>	171	<i>Fleischmannia</i>	172
<i>Erythrocephalum</i>	170	<i>Evodia</i>	526	<i>Flemingia</i>	357
<i>Erythrochiton</i>	525	<i>Evolvulus</i>	205	<i>Fleurydora</i>	436
<i>Erythrococca</i>	264	<i>Evotella</i>	703	<i>Flickingeria</i>	703
<i>Erythroides</i>	703	<i>Evardiella</i>	685	<i>Flindersia</i>	526
<i>Erythronium</i>	685	<i>Ewartia</i>	172	<i>Flourensia</i>	172
<i>Erythrophysa</i>	534	<i>Exacum</i>	285	<i>Floydia</i>	472
<i>Erythrospermum</i>	282	<i>Excoecaria</i>	270	<i>Flueggea</i>	270
Erythroxylaceae	256	<i>Exellodendron</i>	138	<i>Foetidia</i>	331
<i>Erythroxylum</i>	256	<i>Exocarpos</i>	532	<i>Fokienia</i>	20
<i>Escallonia</i>	257	<i>Exostema</i>	505	<i>Fontainea</i>	270

<i>Fontquera</i>	172	<i>Galvezia</i>	556	<i>Gilbertiodendron</i>	358
<i>Forchhammeria</i>	118	<i>Gambelia</i>	556	<i>Gilia</i>	456
<i>Forestiera</i>	438	<i>Garcinia</i>	297	<i>Gilletiodendron</i>	358
<i>Forsteronia</i>	55	<i>Gardenia</i>	507	<i>Gilliesia</i>	611
<i>Forsythia</i>	438	<i>Garnotia</i>	659	<i>Gilmania</i>	465
<i>Fortunella</i>	526	<i>Garrettia</i>	599	<i>Ginalloa</i>	604
<i>Fosterella</i>	628	<i>Gasteranthus</i>	292	<i>Gingidia</i>	590
<i>Fosteria</i>	675	<i>Gasteria</i>	614	<i>Ginkgo</i>	30
<i>Fothergilla</i>	300	<i>Gastonia</i>	59	Ginkgoaceae	30
<i>Fouquieria</i>	284	<i>Gastrochilus</i>	704	ginkgophyte	30
Fouquieriaceae	284	<i>Gastrodia</i>	704	Ginkgopsida	30
<i>Fragaria</i>	492	<i>Gastrolobium</i>	358	<i>Ginoria</i>	387
<i>Frailea</i>	97	<i>Gastrolychnis</i>	124	<i>Gironniera</i>	585
<i>Frankenia</i>	284	<i>Gaudinia</i>	659	<i>Githopsis</i>	114
Frankeniaceae	284	<i>Gaultheria</i>	251	<i>Gladiolus</i>	676
<i>Franklandia</i>	472	<i>Gaura</i>	441	<i>Glandularia</i>	599
<i>Franklinia</i>	580	<i>Gaussia</i>	737	<i>Glaucium</i>	444
<i>Frantzia</i>	230	<i>Gavilea</i>	704	<i>Glaziocharis</i>	637
<i>Frasera</i>	285	<i>Gaylussacia</i>	252	<i>Gleasonia</i>	508
<i>Fraxinus</i>	438	<i>Gayophytum</i>	441	<i>Gleditsia</i>	358
<i>Freesia</i>	675	<i>Geanthus</i>	751	<i>Gleichenia</i>	11
<i>Fremontodendron</i>	576	<i>Geijera</i>	526	Gleicheniaceae	11
<i>Frerea</i>	66	<i>Geissanthus</i>	417	<i>Glennia</i>	534
<i>Freycinetia</i>	745	<i>Geissois</i>	231	<i>Glinus</i>	410
<i>Freylinia</i>	556	<i>Geissoloma</i>	284	<i>Glionneria</i>	508
<i>Freziera</i>	580	Geissolomataceae	284	<i>Glischrocolla</i>	447
<i>Friesodielsia</i>	51	<i>Geissorhiza</i>	676	<i>Globba</i>	751
<i>Fritihia</i>	44	<i>Gelasine</i>	676	<i>Globularia</i>	294
<i>Fritillaria</i>	685	<i>Geniostoma</i>	384	Globulariaceae	294
<i>Froelichia</i>	47	<i>Genipa</i>	508	<i>Glochidion</i>	271
<i>Froesia</i>	478	<i>Genista</i>	358	<i>Gloeospermum</i>	601
<i>Froesiochloa</i>	659	<i>Genistella</i>	358	<i>Glomeropitcairnia</i>	628
<i>Froriepia</i>	590	<i>Genistidium</i>	358	<i>Glossarion</i>	172
<i>Fryxellia</i>	392	<i>Genoplesium</i>	704	<i>Glossocarya</i>	599
<i>Fuchsia</i>	441	<i>Gentiana</i>	285	<i>Glossogyne</i>	172
<i>Fuirena</i>	645	Gentianaceae	284	<i>Glossopetalon</i>	212
<i>Fulcaldea</i>	172	<i>Gentianella</i>	286	<i>Gloxinia</i>	292
<i>Fumana</i>	142	<i>Gentianopsis</i>	286	<i>Gluema</i>	537
<i>Fumaria</i>	444	<i>Genyorchis</i>	704	<i>Gluta</i>	48
<i>Fumariola</i>	444	<i>Geocarpon</i>	305	<i>Glyceria</i>	659
<i>Furcraea</i>	607	<i>Geocaryum</i>	590	<i>Glycine</i>	359
<i>Gaertnera</i>	505	<i>Geonoma</i>	737	<i>Glycosmis</i>	526
<i>Gagea</i>	686	<i>Geophila</i>	508	<i>Glycyrrhiza</i>	359
<i>Gahnia</i>	645	Geraniaceae	287	<i>Glyphochloa</i>	659
<i>Gaillardia</i>	172	<i>Geranium</i>	288	<i>Glyphochola</i>	660
<i>Gaimardia</i>	637	<i>Gerbera</i>	172	<i>Glyptopetalum</i>	133
<i>Galactia</i>	357	<i>Gerrardanthus</i>	230	<i>Glyptostrobis</i>	29
<i>Galanthus</i>	617	<i>Gesneria</i>	292	<i>Gmelina</i>	600
<i>Galatella</i>	172	Gesneriaceae	289	<i>Gnaphalium</i>	172
<i>Galaxia</i>	676	<i>Gesnouinia</i>	596	gnetophyte	18
<i>Galega</i>	358	<i>Gethyllis</i>	617	Gnetopsida	18
<i>Galeola</i>	703	<i>Gethyum</i>	611	<i>Gochnatia</i>	173
<i>Galeottiella</i>	703	<i>Geum</i>	492	<i>Goerziella</i>	136
<i>Galinsoga</i>	172	<i>Gibbaeum</i>	44	<i>Goethea</i>	392
<i>Galipea</i>	526	<i>Gibsoniothamnus</i>	556	<i>Goetzea</i>	294
<i>Galium</i>	505	<i>Gigasiphon</i>	358	Goetzeaceae	294

<i>Gomortega</i>	294	Grubbiaceae	296	Haemodoraceae	668
Gomortegaceae	294	<i>Guadua</i>	660	<i>Haemodorum</i>	669
<i>Gomphandra</i>	304	<i>Guaiacum</i>	606	<i>Haenianthus</i>	438
<i>Gompholobium</i>	359	<i>Guapira</i>	435	<i>Hagsatera</i>	705
<i>Gomphostemma</i>	308	<i>Guardiola</i>	173	<i>Hakea</i>	473
<i>Gongora</i>	704	<i>Guarea</i>	406	<i>Halacsya</i>	83
<i>Gongylosperma</i>	66	<i>Guatteria</i>	51	<i>Halenia</i>	286
<i>Goniolimon</i>	453	<i>Guatteriaella</i>	51	<i>Halesia</i>	577
<i>Goniopteris</i>	17	<i>Guatterioopsis</i>	51	<i>Halimium</i>	142
<i>Goniothalamus</i>	51	<i>Guettarda</i>	508	<i>Halimolobos</i>	221
<i>Gonocalyx</i>	252	<i>Guibourtia</i>	359	<i>Halimolobus</i>	221
<i>Gonocarpus</i>	299	<i>Guihaia</i>	738	<i>Hallieracantha</i>	37
<i>Gonocytisus</i>	359	<i>Guioa</i>	534	<i>Halocarpus</i>	27
<i>Gonolobus</i>	66	<i>Gulubia</i>	738	<i>Halophila</i>	673
<i>Gonospermum</i>	173	<i>Gundlachia</i>	173	Halophytaceae	299
<i>Gonzalagunia</i>	508	<i>Gunnarella</i>	704	<i>Halophytium</i>	299
<i>Goodenia</i>	295	<i>Gunnera</i>	296	Haloragaceae	300
Goodeniaceae	295	Gunneraceae	296	<i>Haloragis</i>	300
<i>Goodmania</i>	465	<i>Gunniopsis</i>	45	<i>Haloragodendron</i>	300
<i>Goodyera</i>	704	<i>Gustavia</i>	331	<i>Halosarcia</i>	136
<i>Gordonia</i>	580	<i>Gutierrezia</i>	173	<i>Halosciastrum</i>	590
<i>Gossypium</i>	392	Guttiferae	296	<i>Hamadryas</i>	482
<i>Gouania</i>	487	<i>Guyonia</i>	399	Hamamelidaceae	300
<i>Govenia</i>	704	<i>Guzmania</i>	628	<i>Hamamelis</i>	300
<i>Grabowskia</i>	570	<i>Gyminda</i>	133	<i>Hamelia</i>	508
<i>Graderia</i>	556	<i>Gymnacranthera</i>	415	<i>Hammatolobium</i>	359
<i>Graellsia</i>	221	<i>Gymnadenia</i>	704	<i>Hampea</i>	392
<i>Graffenrieda</i>	399	<i>Gymnema</i>	67	<i>Hanabusaya</i>	114
Gramineae	651	<i>Gymnigritella</i>	704	<i>Hanburia</i>	230
Grammitidaceae	11	<i>Gymnocarpium</i>	18	<i>Hancockia</i>	705
<i>Grammitis</i>	12	<i>Gymnocarpus</i>	305	<i>Handeliidendron</i>	537
<i>Grammosciadium</i>	590	<i>Gymnocladus</i>	359	<i>Hannoa</i>	569
<i>Grammosolen</i>	570	<i>Gymnopogon</i>	660	<i>Hansteinia</i>	37
<i>Graptopetalum</i>	209	<i>Gymnosiphon</i>	637	<i>Hapaline</i>	624
<i>Graptophyllum</i>	36	<i>Gymnospermium</i>	74	<i>Haplocoelopsis</i>	534
<i>Griatiola</i>	556	<i>Gymnostachyum</i>	36	<i>Haplocoelum</i>	534
<i>Gratwickia</i>	173	<i>Gymnostemon</i>	569	<i>Haplodictyum</i>	17
<i>Gravesia</i>	399	<i>Gymnostoma</i>	132	<i>Haploesthes</i>	174
<i>Greenia</i>	660	<i>Gynandris</i>	678	<i>Haplopappus</i>	174
<i>Greenovia</i>	209	<i>Gynoxys</i>	173	<i>Haplophragma</i>	76
<i>Greenwayodendron</i>	51	<i>Gynura</i>	173	<i>Haplophyllum</i>	526
<i>Greigia</i>	628	<i>Gypsacanthus</i>	36	<i>Haplorhus</i>	48
<i>Grevea</i>	411	<i>Gypsophila</i>	124	<i>Haplostachys</i>	308
<i>Grevillea</i>	472	<i>Gyranthera</i>	78	<i>Haplostephium</i>	174
<i>Grewia</i>	583	<i>Gyrocaryum</i>	83	<i>Haplostichanthus</i>	51
<i>Greyia</i>	295	<i>Gyrostemon</i>	299	<i>Haplothismia</i>	637
Greyiaceae	295	Gyrostemonaceae	299	<i>Haptanthus</i>	271
<i>Grias</i>	331	<i>Gyrotaenia</i>	596	<i>Harpagenella</i>	83
<i>Griffinia</i>	617	<i>Haageocereus</i>	97	<i>Harpalyce</i>	359
<i>Grimmeodendron</i>	271	<i>Habenaria</i>	704	<i>Harpercallis</i>	688
<i>Grindelia</i>	173	<i>Haberlea</i>	292	<i>Harrisella</i>	705
<i>Grisebachia</i>	252	<i>Habracanthus</i>	37	<i>Harrisia</i>	97
<i>Grisollea</i>	304	<i>Habranthus</i>	617	<i>Hartia</i>	580
<i>Grosourdyia</i>	704	<i>Hackelia</i>	83	<i>Hartwrightia</i>	174
Grossulariaceae	295	<i>Haeckeria</i>	174	<i>Hasseltia</i>	583
<i>Grubbia</i>	296	<i>Haemanthus</i>	617	<i>Hasseltiopsis</i>	583

<i>Hastingsia</i>	671	<i>Henriquezia</i>	509	<i>Hieracium</i>	176
<i>Hattoria</i>	97	<i>Henrya</i>	37	<i>Hierochloe</i>	660
<i>Haworthia</i>	615	<i>Henslowia</i>	438	<i>Hieronima</i>	271
<i>Hazardia</i>	174	<i>Hensmania</i>	620	<i>Hilaria</i>	660
<i>Hebe</i>	556	<i>Heptacodium</i>	118	<i>Hildegardia</i>	576
<i>Hebeclinium</i>	174	<i>Heptanthus</i>	176	<i>Hillebrandia</i>	74
<i>Heberdenia</i>	417	<i>Heptaptera</i>	590	<i>Hillia</i>	509
<i>Hechtia</i>	629	<i>Heracleum</i>	590	<i>Himantoglossum</i>	706
<i>Hedeoma</i>	309	<i>Herbertia</i>	678	<i>Hippeastrum</i>	618
<i>Hederorkis</i>	705	<i>Herissantia</i>	392	<i>Hippocastanaceae</i>	301
<i>Hedinia</i>	221	<i>Herritiera</i>	576	<i>Hippocratea</i>	133
<i>Hedyachras</i>	534	<i>Hermannia</i>	576	<i>Hippocrepis</i>	359
<i>Hedycarya</i>	411	<i>Hermstaedtia</i>	47	<i>Hiptage</i>	390
<i>Hedychium</i>	751	<i>Hernandia</i>	301	<i>Hiraea</i>	390
<i>Hedyosmum</i>	137	<i>Hernandiaceae</i>	301	<i>Hirschfeldia</i>	222
<i>Hedyotis</i>	508	<i>Herniaria</i>	305	<i>Hirtella</i>	138
<i>Hedysarum</i>	359	<i>Herpetacanthus</i>	37	<i>Hirtzia</i>	706
<i>Hedyscepe</i>	738	<i>Herrania</i>	576	<i>Hladnikia</i>	590
<i>Heisteria</i>	436	<i>Herrickia</i>	176	<i>Hodgkinsonia</i>	510
<i>Helcia</i>	705	<i>Herschelianthe</i>	705	<i>Hoffmannia</i>	510
<i>Heldreichia</i>	221	<i>Hesperaloe</i>	607	<i>Hoffmannseggia</i>	359
<i>Helenium</i>	174	<i>Hesperanthera</i>	678	<i>Hohenbergia</i>	629
<i>Helianthella</i>	174	<i>Hesperelaea</i>	438	<i>Hohenbergiopsis</i>	629
<i>Helianthemum</i>	142	<i>Hesperevax</i>	176	<i>Hoita</i>	359
<i>Helianthocereus</i>	97	<i>Hesperis</i>	222	<i>Holarrhena</i>	55
<i>Helianthus</i>	174	<i>Hesperocallis</i>	671	<i>Holboellia</i>	323
<i>Helichrysum</i>	174	<i>Hesperocnide</i>	596	<i>Holcosorus</i>	16
<i>Helicia</i>	473	<i>Hesperolinon</i>	382	<i>Holcus</i>	660
<i>Heliciopsis</i>	474	<i>Hesperomannia</i>	176	<i>Hollandaea</i>	474
<i>Heliconia</i>	669	<i>Hesperoxiphion</i>	678	<i>Hollisteria</i>	465
<i>Heliconiaceae</i>	669	<i>Hessea</i>	618	<i>Holmgrenanthe</i>	556
<i>Helicostylis</i>	413	<i>Hetaeria</i>	706	<i>Holmskioldia</i>	600
<i>Helicteres</i>	576	<i>Heteranthera</i>	746	<i>Holocarpa</i>	176
<i>Helictotrichon</i>	660	<i>Heterocentron</i>	399	<i>Holographis</i>	37
<i>Helietta</i>	526	<i>Heterochaenia</i>	114	<i>Holosteum</i>	124
<i>Heliocauta</i>	175	<i>Heteropappus</i>	176	<i>Holothrix</i>	706
<i>Heliocereus</i>	97	<i>Heteropetalum</i>	51	<i>Holstianthus</i>	510
<i>Heliomeris</i>	175	<i>Heteroplexis</i>	176	<i>Homalium</i>	282
<i>Heliophila</i>	221	<i>Heteropogon</i>	660	<i>Homalomena</i>	624
<i>Heliotropium</i>	83	<i>Heteropteris</i>	390	<i>Homalopetalum</i>	706
<i>Helixanthera</i>	386	<i>Heterospathe</i>	738	<i>Homeria</i>	678
<i>Helleborus</i>	482	<i>Heterostemma</i>	67	<i>Homopholis</i>	660
<i>Helmholtzia</i>	746	<i>Heterotheca</i>	176	<i>Homoranthus</i>	428
<i>Helonias</i>	688	<i>Heterotrichum</i>	399	<i>Hoodia</i>	67
<i>Helosis</i>	71	<i>Heterotropa</i>	61	<i>Hopea</i>	236
<i>Hemandradenia</i>	203	<i>Heuchera</i>	545	<i>Hoplestigma</i>	301
<i>Hemarthria</i>	660	<i>Hexaglottis</i>	678	<i>Hoplestigmataceae</i>	301
<i>Hemiandra</i>	309	<i>Hexalectris</i>	706	<i>Hordeum</i>	660
<i>Hemianthus</i>	556	<i>Hexalobus</i>	51	<i>Horkelia</i>	492
<i>Hemicrambe</i>	222	<i>Hexaneurocarpon</i>	76	<i>Hormathophylla</i>	222
<i>Hemigenia</i>	309	<i>Hexaspora</i>	133	<i>Hornea</i>	534
<i>Hemigraphis</i>	37	<i>Hexastylis</i>	61	<i>Hornschuchia</i>	51
<i>Hemizonia</i>	175	<i>Hibbertia</i>	233	<i>Horridocactus</i>	98
<i>Hemizygia</i>	309	<i>Hibiscadelphus</i>	392	<i>Horsfieldia</i>	415
<i>Henriettea</i>	399	<i>Hibiscus</i>	393	<i>Horstrissea</i>	590
<i>Henriettella</i>	399	<i>Hicksbeachia</i>	474	<i>Hortonia</i>	411

<i>Hosta</i>	670	<i>Hymenopappus</i>	177	<i>Intsia</i>	361
Hostaceae	670	Hymenophyllaceae	13	<i>Inula</i>	177
<i>Houssayanthus</i>	534	<i>Hymenophyllum</i>	13	<i>Inversodicraea</i>	456
<i>Houstonia</i>	510	<i>Hymenopyramis</i>	600	<i>Iodes</i>	304
<i>Hovea</i>	359	<i>Hymenorchis</i>	706	<i>Ionactis</i>	177
<i>Hoverdenia</i>	37	<i>Hymenostegia</i>	360	<i>Ionopsidium</i>	222
<i>Howea</i>	738	<i>Hymenostemma</i>	177	<i>Iostephane</i>	177
<i>Howellia</i>	114	<i>Hymenothrix</i>	177	<i>Ipheion</i>	611
<i>Howelliella</i>	556	<i>Hymenoxys</i>	177	<i>Iphigenia</i>	638
<i>Hoya</i>	67	<i>Hyophorbe</i>	738	<i>Iphiona</i>	177
<i>Hubbardia</i>	660	<i>Hyoseris</i>	177	<i>Ipomoea</i>	205
<i>Hudsonia</i>	143	<i>Hyospathe</i>	738	<i>Ipomopsis</i>	457
<i>Huernia</i>	67	<i>Hypagophyllum</i>	209	<i>Ipsea</i>	706
<i>Hugonia</i>	383	<i>Hypocoum</i>	444	<i>Irenepharsus</i>	222
<i>Hulsea</i>	176	<i>Hyperbaena</i>	410	<i>Iresine</i>	47
<i>Hulthemosa</i>	493	<i>Hypericum</i>	297	Iridaceae	673
<i>Humbertochloa</i>	660	<i>Hypertelis</i>	410	<i>Iridodictyum</i>	678
<i>Humboldtia</i>	359	<i>Hyphaene</i>	738	<i>Iris</i>	678
Humiriaceae	301	<i>Hypocalymma</i>	428	<i>Iryanthera</i>	415
<i>Humiriastrum</i>	301	<i>Hypochoeris</i>	177	<i>Isachne</i>	660
<i>Humularia</i>	360	<i>Hypodiscus</i>	747	<i>Isatis</i>	222
<i>Hunga</i>	139	<i>Hypoestes</i>	37	<i>Ischaemum</i>	660
<i>Hunteria</i>	55	<i>Hypolytrum</i>	645	<i>Ischnochloa</i>	661
<i>Huodendron</i>	578	Hypoxidaceae	673	<i>Ischyrolepis</i>	747
<i>Huperzia</i>	2	<i>Hypoxidia</i>	673	<i>Isidorea</i>	510
<i>Hutchinsia</i>	222	<i>Hypsela</i>	114	<i>Iskandera</i>	223
Hyacinthaceae	670	<i>Hypseochloa</i>	660	<i>Ismene</i>	618
<i>Hyacinthella</i>	671	<i>Hypserpa</i>	410	<i>Isocarpha</i>	177
<i>Hyacinthoides</i>	671	<i>Hypsophila</i>	133	<i>Isocoma</i>	177
<i>Hyacinthus</i>	671	<i>Hypsis</i>	309	<i>Isodendrion</i>	601
<i>Hybanthus</i>	601	<i>Hyssopus</i>	309	<i>Isodon</i>	309
<i>Hydatella</i>	673	<i>Hysterionica</i>	177	Isoetaceae	1
Hydatellaceae	673	<i>Iberis</i>	222	<i>Isoetes</i>	1
<i>Hydnocarpus</i>	282	<i>Ibervillea</i>	230	<i>Isoglossa</i>	37
Hydnoraceae	301	Icacinaceae	304	<i>Isolepis</i>	645
<i>Hydrangea</i>	302	<i>Ichnanthus</i>	660	<i>Isolona</i>	51
Hydrangeaceae	302	<i>Ichnocarpus</i>	55	<i>Isonandra</i>	537
<i>Hydrilla</i>	673	<i>Ichthyothere</i>	177	<i>Isoplexis</i>	556
<i>Hydrobryopsis</i>	456	Idiospermaceae	305	<i>Isopogon</i>	474
<i>Hydrobryum</i>	456	<i>Idiospermum</i>	305	<i>Isopyrum</i>	482
<i>Hydrocharis</i>	673	<i>Ifloga</i>	177	<i>Isotoma</i>	114
Hydrocharitaceae	673	<i>Iguanura</i>	738	<i>Isotria</i>	706
<i>Hydrocleys</i>	687	<i>Ikonnikovia</i>	453	<i>Itaobimia</i>	361
<i>Hydrocotyle</i>	590	<i>Illex</i>	57	<i>Itaya</i>	738
<i>Hydrodea</i>	45	<i>Iliamna</i>	393	<i>Iteiluma</i>	537
<i>Hydrolea</i>	302	Illecebraceae	305	<i>Iti</i>	223
<i>Hydropectis</i>	177	Illiciaceae	306	<i>Itzaea</i>	206
Hydrophyllaceae	302	<i>Illicium</i>	306	<i>Iva</i>	178
<i>Hydrophyllum</i>	302	<i>Ilysanthes</i>	556	<i>Ivesia</i>	493
<i>Hyeronima</i>	271	<i>Impatiens</i>	71	<i>Ixanthus</i>	286
<i>Hygrophila</i>	37	<i>Imperatoria</i>	590	<i>Ixeris</i>	178
<i>Hylocereus</i>	98	<i>Indigofera</i>	360	<i>Ixia</i>	679
<i>Hylomecon</i>	444	<i>Indopolysolenia</i>	510	<i>Ixiolaena</i>	178
<i>Hylotelephium</i>	209	<i>Indosinia</i>	436	<i>Ixodia</i>	178
<i>Hymenaea</i>	360	<i>Indotristicha</i>	456	Ixonanthaceae	306
<i>Hymenocallis</i>	618	<i>Inga</i>	361	<i>Ixonanthes</i>	306

<i>Ixora</i>	510	<i>Kendrickia</i>	399	<i>Lacaena</i>	706
<i>Jacaima</i>	67	<i>Kennedia</i>	361	<i>Lacandonia</i>	749
<i>Jacaranda</i>	76	<i>Kentiopsis</i>	739	<i>Laccopetalum</i>	482
<i>Jacksonia</i>	361	<i>Keraudrenia</i>	576	<i>Lachanodes</i>	178
<i>Jacobsenia</i>	45	<i>Kermadecia</i>	474	<i>Lachenalia</i>	671
<i>Jacquemontia</i>	206	<i>Kerriodoxa</i>	739	<i>Lachnaea</i>	582
<i>Jacquinia</i>	581	<i>Keteleeria</i>	23	<i>Lachnocapsa</i>	223
<i>Jaegeria</i>	178	<i>Kickxia</i>	556	<i>Lachnocaulon</i>	650
<i>Jambosa</i>	428	<i>Kingdonia</i>	482	<i>Lacistema</i>	322
<i>Jamesbrittenia</i>	556	<i>Kingiodendron</i>	361	<i>Lacistemataceae</i>	322
<i>Jamesia</i>	302	<i>Kionophyton</i>	706	<i>Lactoridaceae</i>	323
<i>Jamesianthus</i>	178	<i>Kirengeshoma</i>	302	<i>Lactoris</i>	323
<i>Jankaea</i>	292	<i>Kirkia</i>	569	<i>Lactuca</i>	178
<i>Japonolirion</i>	688	<i>Kitabelia</i>	393	<i>Lactucononchus</i>	179
<i>Jasione</i>	114	<i>Klattia</i>	680	<i>Lacunaria</i>	478
<i>Jasminocereus</i>	98	<i>Kleinia</i>	178	<i>Ladenbergia</i>	511
<i>Jasminum</i>	438	<i>Knautia</i>	234	<i>Laelia</i>	706
<i>Jasonia</i>	178	<i>Knema</i>	415	<i>Laennecia</i>	179
<i>Jatropha</i>	271	<i>Kniphofia</i>	626	<i>Laetia</i>	282
<i>Jedda</i>	582	<i>Knoxia</i>	511	<i>Lafoensia</i>	387
<i>Jepsonia</i>	546	<i>Koanophyllon</i>	178	<i>Lafuentea</i>	557
<i>Joannesia</i>	271	<i>Kobresia</i>	645	<i>Lagenandra</i>	624
<i>Johannesteijsmannia</i>	739	<i>Kochia</i>	136	<i>Lagenifera</i>	179
<i>Johrenia</i>	590	<i>Kodalyodendron</i>	526	<i>Lagenophora</i>	179
<i>Jollydora</i>	203	<i>Koehneola</i>	178	<i>Lagerstroemia</i>	387
<i>Joosia</i>	511	<i>Koeleria</i>	661	<i>Lagochilus</i>	309
<i>Jordaniella</i>	45	<i>Koellensteinia</i>	706	<i>Lagoseris</i>	179
<i>Jovibarba</i>	209	<i>Kohleria</i>	292	<i>Lagotis</i>	557
<i>Juania</i>	739	<i>Koilodepas</i>	271	<i>Lambertia</i>	474
<i>Jubaea</i>	739	<i>Kokia</i>	393	<i>Lamium</i>	309
<i>Jubaeopsis</i>	739	<i>Kokoona</i>	134	<i>Lampranthus</i>	45
<i>Juglandaceae</i>	306	<i>Kolkwitzia</i>	118	<i>Lamyropappus</i>	179
<i>Juglans</i>	306	<i>Komarovia</i>	590	<i>Lamyropsis</i>	179
<i>Julbernardia</i>	361	<i>Kopsia</i>	55	<i>Landolphia</i>	55
<i>Julostylis</i>	393	<i>Korthalsella</i>	604	<i>Lankea</i>	48
<i>Jumellea</i>	706	<i>Korthalsia</i>	739	<i>Lantana</i>	600
<i>Juncaceae</i>	683	<i>Kosopoljanskia</i>	590	<i>Lantanopsis</i>	179
<i>Juncaginaceae</i>	684	<i>Kosteletzkya</i>	394	<i>Lapeirousia</i>	680
<i>Juncus</i>	683	<i>Kotschya</i>	361	<i>Laplacea</i>	580
<i>Juniperus</i>	21	<i>Koyamaea</i>	645	<i>Lappula</i>	83
<i>Juno</i>	680	<i>Krameria</i>	307	<i>Lapsana</i>	179
<i>Jurinea</i>	178	<i>Krameriaceae</i>	307	<i>Lardizabalaceae</i>	323
<i>Justicia</i>	37	<i>Krauseola</i>	124	<i>Larix</i>	23
<i>Kaempferia</i>	751	<i>Krigia</i>	178	<i>Laserpitium</i>	591
<i>Kailarsenia</i>	511	<i>Krokia</i>	428	<i>Lasianthaea</i>	179
<i>Kalanchoe</i>	209	<i>Kudoacanthus</i>	39	<i>Lasianthus</i>	511
<i>Kalappia</i>	361	<i>Kundmannia</i>	590	<i>Lasiobema</i>	361
<i>Kalidiopsis</i>	136	<i>Kunkeliella</i>	532	<i>Lasiochlamys</i>	282
<i>Kalimeris</i>	178	<i>Kunsteria</i>	361	<i>Lasiococca</i>	271
<i>Kallstroemia</i>	606	<i>Kuntheria</i>	639	<i>Lasiocorys</i>	310
<i>Kalmia</i>	252	<i>Kunzea</i>	428	<i>Lasiocroton</i>	271
<i>Kalmiella</i>	252	<i>Kyllinga</i>	645	<i>Lasiodiscus</i>	487
<i>Karimbolea</i>	67	<i>Labiatae</i>	307	<i>Lasiopetalum</i>	576
<i>Keenania</i>	511	<i>Labichea</i>	361	<i>Lasiopogon</i>	179
<i>Kefersteinia</i>	706	<i>Labordia</i>	385	<i>Lasthenia</i>	179
<i>Keiskea</i>	309	<i>Labourdonnaisia</i>	537	<i>Lastreopsis</i>	10

<i>Latania</i>	739	<i>Leontopodium</i>	179	<i>Leucothoe</i>	253
<i>Lateropora</i>	252	<i>Leopoldia</i>	671	<i>Leuzea</i>	180
<i>Lathraea</i>	557	<i>Leopoldinia</i>	739	<i>Lewisia</i>	467
<i>Lathyrus</i>	361	<i>Lepanthes</i>	707	<i>Leymus</i>	661
<i>Launaea</i>	179	<i>Lepanthopsis</i>	709	<i>Liabum</i>	180
Lauraceae	323	<i>Lepechinia</i>	310	<i>Liatris</i>	180
<i>Laurembergia</i>	300	<i>Lepidagathis</i>	39	<i>Libertia</i>	680
<i>Laurentia</i>	114	<i>Lepiderema</i>	534	<i>Libocedrus</i>	21
<i>Lautenbergia</i>	271	<i>Lepidium</i>	223	<i>Libyella</i>	<61
<i>Lavandula</i>	310	<i>Lepidobolus</i>	747	<i>Licania</i>	139
<i>Lavatera</i>	394	<i>Lepidocaryum</i>	739	<i>Licaria</i>	325
<i>Lavoisiera</i>	400	<i>Lepidocordia</i>	83	<i>Licuala</i>	739
<i>Lavoixia</i>	739	<i>Lepidolopha</i>	180	<i>Ligeophila</i>	709
<i>Lawrencia</i>	394	<i>Lepidorrhachis</i>	739	<i>Ligularia</i>	181
<i>Laxmannia</i>	620	<i>Lepidospartum</i>	180	<i>Ligusticum</i>	591
<i>Layia</i>	179	<i>Lepidosperma</i>	645	<i>Ligustrum</i>	438
<i>Lazarum</i>	624	<i>Lepidothamnus</i>	27	<i>Lilaeopsis</i>	591
<i>Leandra</i>	400	<i>Lepinia</i>	55	Liliaceae	684
<i>Leavenworthia</i>	223	<i>Lepisanthes</i>	535	Liliopsida (monocots)	606
<i>Lebronnecia</i>	394	<i>Lepisorus</i>	16	<i>Lilium</i>	686
<i>Lecaniodiscus</i>	534	<i>Leptactina</i>	511	Limnanthaceae	382
<i>Lecanorchis</i>	707	<i>Leptinella</i>	180	<i>Limnanthes</i>	382
<i>Lechea</i>	143	<i>Leptocereus</i>	98	Limnocharitaceae	687
<i>Lechenaultia</i>	295	<i>Leptochilus</i>	16	<i>Limnophila</i>	557
<i>Lecocarpus</i>	179	<i>Leptochiton</i>	618	<i>Limnopoa</i>	661
<i>Lecomtedoxa</i>	537	<i>Leptochloa</i>	661	<i>Limoniopsis</i>	453
Lecythidaceae	329	<i>Leptodactylon</i>	457	<i>Limonium</i>	453
<i>Lecythis</i>	332	<i>Leptodermis</i>	511	<i>Limosella</i>	557
<i>Ledebouria</i>	671	<i>Leptoderris</i>	362	Linaceae	382
<i>Ledebouriella</i>	591	<i>Leptomeria</i>	532	<i>Linanthus</i>	457
<i>Ledermanniella</i>	456	<i>Leptopteris</i>	15	<i>Linaria</i>	557
<i>Ledodendron</i>	252	<i>Leptopus</i>	271	<i>Lindackeria</i>	282
<i>Ledothamnus</i>	252	<i>Leptorhynchos</i>	180	<i>Lindelfofia</i>	83
<i>Leea</i>	332	<i>Leptosema</i>	362	<i>Lindenbergia</i>	558
Leeaceae	332	<i>Leptospermum</i>	428	<i>Lindenia</i>	511
<i>Leersia</i>	661	<i>Leptostylis</i>	537	<i>Lindera</i>	325
<i>Legenere</i>	114	<i>Lepturidium</i>	661	<i>Lindernia</i>	558
<i>Legrandia</i>	428	<i>Lepturus</i>	661	<i>Lindmania</i>	629
Leguminosae	332	<i>Lepyrodia</i>	747	<i>Lindsaea</i>	9
<i>Leiospora</i>	223	<i>Lereschia</i>	591	<i>Linnaeopsis</i>	292
<i>Leitneria</i>	381	<i>Lestliea</i>	709	<i>Linociera</i>	438
Leitneriaceae	381	<i>Lespedeza</i>	362	<i>Linospadix</i>	740
<i>Lellingeria</i>	13	<i>Lesquerella</i>	224	<i>Linum</i>	383
<i>Lembertia</i>	179	<i>Lessertia</i>	362	<i>Liodendron</i>	271
<i>Lemboglossum</i>	707	<i>Lessingia</i>	180	<i>Liparia</i>	362
<i>Lemna</i>	684	<i>Leucadendron</i>	474	<i>Liparis</i>	709
Lemnaceae	684	<i>Leucaena</i>	362	<i>Lipocarpa</i>	645
<i>Lemurophoenix</i>	739	<i>Leucanthemum</i>	180	<i>Lipochaeta</i>	181
<i>Lenbrassia</i>	292	<i>Leucas</i>	310	<i>Lippia</i>	600
<i>Lendneria</i>	557	<i>Leuchtenbergia</i>	98	<i>Liquidambar</i>	300
Lennoaceae	381	<i>Leucochrysum</i>	180	<i>Liriodendron</i>	387
Lentibulariaceae	382	<i>Leucocoryne</i>	611	<i>Lisianthus</i>	286
<i>Leochilus</i>	707	<i>Leucocroton</i>	271	<i>Lisianthus</i>	287
<i>Leonia</i>	601	<i>Leucojum</i>	618	<i>Lissanthe</i>	244
<i>Leontochir</i>	616	<i>Leucopogon</i>	243	<i>Listera</i>	710
<i>Leontodon</i>	179	<i>Leucospermum</i>	475	<i>Litchi</i>	535

<i>Lithachne</i>	661	<i>Loxogramme</i>	16	<i>Macranthera</i>	558
<i>Lithocarpus</i>	278	<i>Loxsoma</i>	14	<i>Macrocarpaea</i>	287
<i>Lithodora</i>	83	<i>Loxsomataceae</i>	14	<i>Macroclinium</i>	710
<i>Lithophila</i>	47	<i>Loxsomopsis</i>	14	<i>Macrocnemum</i>	511
<i>Lithophragma</i>	546	<i>Lozania</i>	322	<i>Macrohasseltia</i>	583
<i>Lithops</i>	45	<i>Ludwigia</i>	441	<i>Macrolobium</i>	366
<i>Lithospermum</i>	83	<i>Luffa</i>	230	<i>Macromeria</i>	83
<i>Litsea</i>	325	<i>Lugoa</i>	181	<i>Macropiper</i>	447
<i>Livistona</i>	740	<i>Luina</i>	181	<i>Macropteranthes</i>	144
<i>Lloydia</i>	686	<i>Luisia</i>	710	<i>Macrosamanea</i>	366
<i>Loasa</i>	384	<i>Lunania</i>	282	<i>Macrostelia</i>	394
<i>Loasaceae</i>	384	<i>Lunaria</i>	225	<i>Macrostylis</i>	526
<i>Lobelia</i>	114	<i>Lundellianthus</i>	181	<i>Macrotyloma</i>	366
<i>Lobivia</i>	98	<i>Lupinus</i>	364	<i>Macrozamia</i>	32
<i>Lobostemon</i>	83	<i>Luzula</i>	683	<i>Madhuca</i>	537
<i>Lobularia</i>	225	<i>Lycaste</i>	710	<i>Madia</i>	182
<i>Lochia</i>	305	<i>Lychnis</i>	124	<i>Maeria</i>	118
<i>Lockhartia</i>	710	<i>Lychnophora</i>	181	<i>Maesa</i>	417
<i>Lodoicea</i>	740	<i>Lycianthes</i>	570	<i>Magnistipula</i>	142
<i>Loeflingia</i>	124	<i>Lycium</i>	570	<i>Magnolia</i>	387
<i>Loesenera</i>	362	<i>Lycomormium</i>	710	<i>Magnoliaceae</i>	387
<i>Loeseneriella</i>	134	<i>Lycopodiaceae</i>	2	<i>Magnoliopsida (dicots)</i>	34
<i>Loewia</i>	584	<i>Lycopodiella</i>	2	<i>Mahonia</i>	74
<i>Logania</i>	385	<i>Lycopodiopsida</i>	1	<i>Maianthemum</i>	639
<i>Loganiaceae</i>	384	<i>Lycopodium</i>	2	<i>Maingaya</i>	301
<i>Logfia</i>	181	<i>Lycopus</i>	310	<i>Maireana</i>	136
<i>Lolium</i>	661	<i>lycosphen</i>	1	<i>Malacothamnus</i>	394
<i>Lomandra</i>	688	<i>Lygodesmia</i>	181	<i>Malacothrix</i>	182
<i>Lomandraceae</i>	688	<i>Lymania</i>	629	<i>Malagasia</i>	475
<i>Lomariopsidaceae</i>	13	<i>Lyonia</i>	253	<i>Malaisia</i>	413
<i>Lomatia</i>	475	<i>Lyonothamnus</i>	493	<i>Malania</i>	437
<i>Lomatium</i>	591	<i>Lysiana</i>	386	<i>Malaxis</i>	710
<i>Lomatophyllum</i>	615	<i>Lysiclesia</i>	253	<i>Malcolmia</i>	225
<i>Lomatozona</i>	181	<i>Lysimachia</i>	469	<i>Malesherbia</i>	389
<i>Lonchocarpus</i>	362	<i>Lysionotus</i>	292	<i>Malesherbiaceae</i>	389
<i>Lonchostoma</i>	89	<i>Lythraceae</i>	386	<i>Malleola</i>	711
<i>Lonicera</i>	118	<i>Lythrum</i>	387	<i>Mallotus</i>	272
<i>Lopezia</i>	441	<i>Lytiocaryum</i>	740	<i>Malmea</i>	51
<i>Lophochlaena</i>	661	<i>Mabrya</i>	558	<i>Malope</i>	394
<i>Lophochloa</i>	661	<i>Macadamia</i>	475	<i>Malouetia</i>	55
<i>Lopholaena</i>	181	<i>Macaranga</i>	271	<i>Malpighia</i>	390
<i>Lophophora</i>	98	<i>Macarthuria</i>	410	<i>Malpighiaceae</i>	389
<i>Lophoschoenus</i>	645	<i>Macbridea</i>	310	<i>Maltebrunia</i>	661
<i>Lophospermum</i>	558	<i>Machaeranthera</i>	181	<i>Malus</i>	493
<i>Lophostachys</i>	39	<i>Machaerina</i>	645	<i>Malvaceae</i>	391
<i>Loranthaceae</i>	385	<i>Machaerium</i>	365	<i>Malvaviscus</i>	394
<i>Loranthus</i>	386	<i>Machaonia</i>	511	<i>Mammea</i>	299
<i>Lordhowea</i>	181	<i>Machilus</i>	326	<i>Mammillaria</i>	98
<i>Lotononis</i>	362	<i>Mackeeia</i>	740	<i>Mananthes</i>	39
<i>Lotus</i>	363	<i>Mackenzia</i>	39	<i>Mancoa</i>	225
<i>Loudetia</i>	661	<i>Macleania</i>	253	<i>Mandevilla</i>	55
<i>Lourtellia</i>	387	<i>Maclura</i>	413	<i>Mandragora</i>	571
<i>Louteridium</i>	39	<i>Maclurodendron</i>	526	<i>Manettia</i>	511
<i>Lowiaceae</i>	688	<i>Maclurolyra</i>	661	<i>Manfreda</i>	607
<i>Loxococcus</i>	740	<i>Macodes</i>	710	<i>Mangifera</i>	48
<i>Loxodera</i>	661	<i>Macowania</i>	182	<i>Manglietia</i>	388



<i>Manihot</i>	272	<i>Meconopsis</i>	444	Menyanthaceae	410
<i>Manilkara</i>	538	<i>Mecranium</i>	400	<i>Menziesia</i>	253
<i>Mantisia</i>	752	<i>Medemia</i>	740	<i>Merendera</i>	638
<i>Manulea</i>	558	<i>Medicago</i>	366	<i>Meriania</i>	401
<i>Mapania</i>	645	<i>Medicosma</i>	527	<i>Merremia</i>	206
<i>Marah</i>	230	<i>Medinilla</i>	400	<i>Merrillioanax</i>	59
Marantaceae	688	Medusagynaceae	396	<i>Mertensia</i>	83
<i>Maranthes</i>	142	<i>Medusagyne</i>	396	<i>Merxmullera</i>	661
<i>Marantochloa</i>	688	<i>Medusandra</i>	396	<i>Meryta</i>	59
<i>Marasmodes</i>	182	Medusandraceae	396	<i>Mesadenus</i>	712
<i>Marathrum</i>	456	<i>Meehania</i>	310	<i>Mesanthemum</i>	650
<i>Marattia</i>	14	<i>Megacarpaea</i>	225	<i>Mesembryanthemum</i>	45
Marattiaceae	14	<i>Megadenia</i>	225	<i>Mesoglossum</i>	712
<i>Marcetella</i>	494	<i>Megalachne</i>	661	<i>Mespius</i>	494
<i>Marcgravia</i>	396	<i>Megaleranthis</i>	482	<i>Mesua</i>	299
Marcgraviaceae	396	<i>Megalopanax</i>	59	<i>Metalsia</i>	182
<i>Maresia</i>	225	<i>Megalostoma</i>	39	<i>Metaporana</i>	206
<i>Margaritaria</i>	273	<i>Megastylis</i>	712	<i>Metarungia</i>	39
<i>Margyraciaena</i>	494	<i>Meineckia</i>	273	<i>Metasequoia</i>	29
<i>Margyricarpus</i>	494	<i>Melaleuca</i>	429	<i>Metathelypteris</i>	17
<i>Maripa</i>	206	<i>Melampodium</i>	182	<i>Meteoromyrtus</i>	429
<i>Mariscus</i>	645	<i>Melampyrum</i>	558	<i>Metharme</i>	606
<i>Markea</i>	571	<i>Melandrium</i>	124	<i>Metrodorea</i>	528
<i>Marlierea</i>	429	<i>Melanochyla</i>	48	<i>Metrosideros</i>	429
<i>Marojejya</i>	740	<i>Melanodendron</i>	182	<i>Metroxylon</i>	740
<i>Marrubium</i>	310	<i>Melanoselinum</i>	592	<i>Mexacanthus</i>	39
<i>Marsdenia</i>	67	<i>Melanospermum</i>	558	<i>Mexicoa</i>	712
<i>Marshallia</i>	182	<i>Melanthera</i>	182	<i>Meximalva</i>	394
<i>Marsilea</i>	14	Melanthiaceae	688	<i>Mexipedium</i>	712
Marsileaceae	14	<i>Melastoma</i>	400	<i>Meziella</i>	300
<i>Martiodendron</i>	366	<i>Melastomastrum</i>	400	<i>Mezilaurus</i>	326
<i>Mascagnia</i>	391	Melastomataceae	396	<i>Michauxia</i>	115
<i>Masdevallia</i>	711	<i>Melhania</i>	576	<i>Michelia</i>	388
<i>Masoala</i>	740	Meliaceae	406	<i>Miconia</i>	401
<i>Mastichodendron</i>	538	Meliantaceae	409	<i>Micraira</i>	661
<i>Mastigostyla</i>	680	<i>Melica</i>	661	<i>Micranthemum</i>	553
<i>Mastixia</i>	206	<i>Melichrus</i>	244	<i>Micrantheum</i>	273
<i>Matayba</i>	535	<i>Melicope</i>	527	<i>Micranthocereus</i>	101
<i>Matelea</i>	67	<i>Melicytus</i>	601	<i>Microberlinia</i>	366
<i>Mathieua</i>	618	<i>Melilotus</i>	366	<i>Microbiota</i>	21
<i>Mathurina</i>	585	<i>Melinis</i>	661	<i>Microcitrus</i>	528
<i>Matisia</i>	78	<i>Meliosma</i>	409	<i>Microcnemum</i>	136
<i>Matthiola</i>	225	Meliosmaceae	409	<i>Micrococca</i>	273
<i>Mattiastrum</i>	83	<i>Mellissia</i>	571	<i>Microcorys</i>	310
<i>Matucana</i>	101	<i>Melocactus</i>	101	<i>Microcycas</i>	33
<i>Matudaea</i>	301	<i>Melochia</i>	577	<i>Microderis</i>	182
<i>Maughaniella</i>	45	<i>Melodinus</i>	55	<i>Microlepidia</i>	9
<i>Mauritia</i>	740	<i>Melodorum</i>	51	<i>Microlepidium</i>	225
<i>Mauritiella</i>	740	<i>Melothria</i>	230	<i>Micromeria</i>	310
<i>Maxburretia</i>	740	<i>Memecylon</i>	400	<i>Micromyrtus</i>	429
<i>Maxillaria</i>	712	<i>Mendoncia</i>	39	<i>Micropholis</i>	538
<i>Mayna</i>	282	<i>Meniscogyne</i>	596	<i>Micropyropsis</i>	661
<i>Maytenus</i>	134	Menispermaceae	409	<i>Microschoenus</i>	684
<i>Mazus</i>	558	<i>Menkea</i>	225	<i>Microseris</i>	182
<i>Mecomischus</i>	182	<i>Mentha</i>	310	<i>Microsorium</i>	16
<i>Meconella</i>	444	<i>Mentzelia</i>	384	<i>Microsorium</i>	16

<i>Microspermum</i>	182	<i>Monizia</i>	592	<i>Murdannia</i>	638
<i>Microstaphyla</i>	14	<i>Monnina</i>	459	<i>Muretia</i>	592
<i>Microstrobus</i>	27	<i>Monochaetum</i>	403	<i>Murraya</i>	528
<i>Microtis</i>	712	<i>Monocostus</i>	640	<i>Musa</i>	689
<i>Microtropis</i>	134	monocot	606	Musaceae	689
<i>Mikania</i>	183	<i>Monocyclanthus</i>	52	<i>Muscari</i>	672
<i>Mila</i>	101	<i>Monolena</i>	403	<i>Musineon</i>	592
<i>Miliusa</i>	51	<i>Monolopia</i>	183	<i>Mussaenda</i>	512
<i>Millettia</i>	366	<i>Monopetalanthus</i>	366	<i>Musschia</i>	115
<i>Milligania</i>	626	<i>Monophyllaea</i>	292	<i>Mutisia</i>	183
<i>Miltoniopsis</i>	712	<i>Monopyle</i>	292	<i>Mycetia</i>	512
<i>Mimetes</i>	475	<i>Monotes</i>	237	<i>Myodocarpus</i>	59
<i>Mimosa</i>	366	<i>Monotoca</i>	244	<i>Myonima</i>	512
<i>Mimulus</i>	558	<i>Monotropis</i>	253	Myoporaceae	414
<i>Mimusops</i>	539	<i>Monsonia</i>	288	<i>Myopordon</i>	183
<i>Minthostachys</i>	311	<i>Monstera</i>	624	<i>Myoporum</i>	414
<i>Minuartia</i>	124	<i>Montamans</i>	512	<i>Myosotidium</i>	84
<i>Mirabilis</i>	435	<i>Montanoa</i>	183	<i>Myosotis</i>	84
<i>Miraglossum</i>	68	<i>Montia</i>	467	<i>Myosurus</i>	482
<i>Mirandea</i>	39	Montiniaceae	411	<i>Myrceugenia</i>	430
<i>Mirbelia</i>	366	<i>Montrouziera</i>	299	<i>Myrcia</i>	430
<i>Miricacalia</i>	183	<i>Monttea</i>	559	<i>Myrcianthes</i>	430
<i>Miscanthus</i>	661	<i>Mora</i>	366	<i>Myrciaria</i>	430
<i>Mischocarpus</i>	535	Moraceae	411	<i>Myriactis</i>	183
<i>Misopates</i>	559	<i>Moraea</i>	680	<i>Myrica</i>	415
<i>Mitella</i>	546	<i>Moratia</i>	740	Myricaceae	415
<i>Mitolepis</i>	68	<i>Moricandia</i>	225	<i>Myricanthe</i>	273
<i>Mitostigma</i>	68	<i>Morina</i>	414	<i>Myriophyllum</i>	300
<i>Mitracarpus</i>	512	Morinaceae	414	<i>Myristica</i>	415
<i>Mitranthes</i>	429	<i>Morinda</i>	512	Myristicaceae	415
<i>Mitrantia</i>	429	<i>Moringa</i>	414	<i>Myrrhindendron</i>	592
<i>Mitrastemon</i>	478	Moringaceae	414	<i>Myrrhinium</i>	430
<i>Mitrephora</i>	51	<i>Mormodes</i>	712	Myrsinaceae	415
<i>Mitrophyllum</i>	45	<i>Mortoniella</i>	56	<i>Myrsine</i>	417
<i>Mitrostigma</i>	512	<i>Mortoniendendron</i>	583	Myrtaceae	419
<i>Moacroton</i>	273	<i>Morus</i>	413	<i>Myrteola</i>	430
<i>Modiolastrum</i>	394	<i>Mosiera</i>	429	<i>Myrtus</i>	430
<i>Moehringia</i>	126	<i>Mosla</i>	311	<i>Myxopyrum</i>	439
<i>Mogoltavia</i>	592	<i>Mossia</i>	45	<i>Nageia</i>	28
<i>Molinaea</i>	535	<i>Mouretia</i>	512	<i>Najas</i>	673
<i>Mollinedia</i>	411	<i>Mouriri</i>	403	<i>Nama</i>	302
Molluginaceae	410	<i>Moussonia</i>	292	<i>Nananthea</i>	183
<i>Mollugo</i>	410	<i>Mozartia</i>	429	<i>Nanothamnus</i>	183
<i>Moltkia</i>	84	<i>Mucoa</i>	56	<i>Napoleonaea</i>	332
<i>Momordica</i>	230	<i>Mucronea</i>	465	<i>Narcissus</i>	618
<i>Monactis</i>	183	<i>Mucuna</i>	367	<i>Nargedia</i>	512
<i>Monadenia</i>	712	<i>Muehlenbeckia</i>	465	<i>Nartheicum</i>	688
<i>Monadenium</i>	273	<i>Muellerina</i>	386	<i>Nashia</i>	600
<i>Monanthes</i>	210	<i>Muhlenbergia</i>	661	<i>Nastanthus</i>	107
<i>Monanthotaxis</i>	51	<i>Muilla</i>	611	<i>Nathaliella</i>	559
<i>Monarda</i>	311	<i>Muiria</i>	45	<i>Nauclea</i>	512
<i>Monardella</i>	311	<i>Munnozia</i>	183	<i>Naucleopsis</i>	413
<i>Monechma</i>	39	<i>Munroidendron</i>	59	<i>Naufraga</i>	592
Monimiaceae	411	<i>Munronia</i>	407	<i>Nautilocalyx</i>	292
<i>Monimiasstrum</i>	429	<i>Muraltia</i>	459	<i>Navarretia</i>	458
<i>Monimopetalum</i>	134	<i>Murbeckiella</i>	225	<i>Navia</i>	629

<i>Neanotis</i>	512	<i>Nertera</i>	512	<i>Norodon</i>	367
<i>Necepsia</i>	273	<i>Nervilia</i>	713	<i>Notodontia</i>	512
<i>Necranthus</i>	559	<i>Nesaea</i>	387	<i>Notonia</i>	183
<i>Nectandra</i>	326	<i>Nesiota</i>	487	<i>Notoptera</i>	183
<i>Nectaroscordum</i>	611	<i>Nesocaryum</i>	84	<i>Notospartium</i>	367
<i>Neea</i>	435	<i>Nesocodon</i>	115	<i>Notothixos</i>	604
<i>Negria</i>	293	Nesogenaceae	434	<i>Nototriche</i>	394
<i>Neisosperma</i>	56	<i>Nesogenes</i>	434	<i>Nototrichium</i>	47
<i>Nelia</i>	45	<i>Nesohedyotis</i>	512	<i>Norylia</i>	713
<i>Nemacladus</i>	115	<i>Nesoluma</i>	539	<i>Nouelia</i>	183
<i>Nemastylis</i>	681	<i>Neuburgia</i>	385	<i>Nouettea</i>	56
<i>Nematopoa</i>	662	<i>Neuracanthus</i>	39	<i>Nowickea</i>	447
<i>Nemcia</i>	367	<i>Neurachne</i>	662	<i>Nuihonia</i>	253
<i>Nemesia</i>	559	<i>Neurocalyx</i>	512	<i>Nuphar</i>	436
<i>Nenga</i>	740	<i>Neurolaena</i>	183	<i>Nuxic</i>	89
<i>Neostelia</i>	627	<i>Neuropeltis</i>	206	Nyctaginaceae	435
<i>Neobesseyia</i>	101	<i>Neuwiedia</i>	713	Nymphaeaceae	436
<i>Neobolusia</i>	713	<i>Nevusia</i>	494	<i>Nymphoides</i>	410
<i>Neobracea</i>	56	<i>Newcastelia</i>	600	<i>Nyssa</i>	206
<i>Neobuxbaumia</i>	101	<i>Newtonia</i>	367	<i>Oberonia</i>	713
<i>Neobyresia</i>	528	<i>Nicolletia</i>	183	<i>Obetia</i>	596
<i>Neocallitropsis</i>	21	<i>Nicotiana</i>	571	<i>Obregonia</i>	102
<i>Neocheropteris</i>	16	<i>Nidorella</i>	183	<i>Oceanopapaver</i>	118
<i>Neochevalierodendron</i>	367	<i>Niedzwedzka</i>	76	<i>Ochlandra</i>	662
<i>Neocogniauxia</i>	713	<i>Nierembergia</i>	571	<i>Ochna</i>	436
<i>Neocuatrecasia</i>	183	<i>Nigella</i>	482	Ochnaceae	436
<i>Neofinetia</i>	713	<i>Nigritella</i>	713	<i>Ochreinauclea</i>	512
<i>Neofranciella</i>	512	<i>Nilgiranthus</i>	39	<i>Ochrosia</i>	56
<i>Neogontscharovia</i>	456	<i>Niphogeton</i>	592	<i>Ochrothallus</i>	539
<i>Neohenricia</i>	45	<i>Nipponanthemum</i>	183	<i>Ocimum</i>	312
<i>Neolemonniera</i>	539	<i>Nirarathamnos</i>	592	<i>Ocotea</i>	328
<i>Neolitsea</i>	328	<i>Nissolia</i>	367	<i>Octoknema</i>	437
<i>Neomirandea</i>	183	<i>Nitrophila</i>	136	<i>Oddoniodendron</i>	367
<i>Neomoorea</i>	713	<i>Nivenia</i>	681	<i>Odaxia</i>	183
<i>Neoparrya</i>	592	<i>Noahdendron</i>	301	<i>Odontites</i>	559
<i>Neopatersonia</i>	672	<i>Noccaea</i>	225	<i>Odontochilus</i>	713
<i>Neopicrorhiza</i>	559	<i>Nodocarpaea</i>	512	<i>Odontocline</i>	183
<i>Neoporteria</i>	101	<i>Nogra</i>	367	<i>Odontoglossum</i>	713
<i>Neopringlea</i>	283	<i>Nolana</i>	571	<i>Odontonema</i>	39
<i>Neoregelia</i>	630	<i>Nolina</i>	649	<i>Odontophorus</i>	45
<i>Neoroepera</i>	273	<i>Nomosa</i>	84	<i>Oeceoclades</i>	714
<i>Neosprucea</i>	583	<i>Nonea</i>	84	<i>Oecopetalum</i>	305
<i>Neostictifia</i>	662	<i>Normanbya</i>	740	<i>Oedera</i>	184
<i>Neostenanthera</i>	52	<i>Normania</i>	571	<i>Oenanthe</i>	592
<i>Neostrearia</i>	301	<i>Northea</i>	539	<i>Oenocarpus</i>	740
<i>Neottia</i>	713	<i>Notanthera</i>	386	<i>Oenothera</i>	442
<i>Neoveitchia</i>	740	<i>Notechidnopsis</i>	68	<i>Oeoniella</i>	714
Nepenthaceae	434	<i>Notelaea</i>	439	<i>Oerstedina</i>	293
<i>Nepenthes</i>	434	<i>Nothoalsomitra</i>	230	<i>Oianthus</i>	68
<i>Nepeta</i>	311	<i>Nothocestrum</i>	571	<i>Okenia</i>	435
<i>Nephropetalum</i>	577	<i>Nothofagus</i>	278	Oleaceae	436
<i>Nephrosperma</i>	740	<i>Notholaena</i>	3	<i>Olox</i>	437
<i>Nephthytis</i>	624	<i>Nothopegia</i>	48	<i>Oldenburgia</i>	184
<i>Neraudia</i>	596	<i>Nothospondias</i>	569	<i>Oldenlandia</i>	512
<i>Neriacanthus</i>	39	<i>Nothotsuga</i>	23	<i>Olea</i>	439
<i>Nerine</i>	619	<i>Notochloe</i>	662	Oleaceae	437

<i>Oleandra</i>	14	<i>Oreopanax</i>	59	<i>Ottoschulzia</i>	305
Oleandraceae	14	<i>Oreoporanthera</i>	274	<i>Ouratea</i>	436
<i>Olearia</i>	184	<i>Oreopteris</i>	17	<i>Owenia</i>	407
<i>Oligoceras</i>	273	<i>Oreorchis</i>	715	Oxalidaceae	442
Oliniaceae	439	<i>Oreoxis</i>	592	<i>Oxalis</i>	442
<i>Oliveriana</i>	714	<i>Oricia</i>	528	<i>Oxandra</i>	52
<i>Olmeca</i>	662	<i>Oriciopsis</i>	528	<i>Oxanthera</i>	528
<i>Olymposciadium</i>	592	<i>Origanum</i>	312	<i>Oxera</i>	600
<i>Olyra</i>	662	<i>Orites</i>	475	<i>Oxyanthus</i>	513
<i>Omаланthus</i>	273	<i>Oritrophium</i>	185	<i>Oxygonum</i>	465
<i>Omalothea</i>	184	<i>Ormenis</i>	185	<i>Oxygyne</i>	637
<i>Omitemia</i>	513	<i>Ormocarpum</i>	368	<i>Oxypolis</i>	592
<i>Omphalea</i>	273	<i>Ormosia</i>	368	<i>Oxystigma</i>	368
<i>Omphalodes</i>	84	<i>Ormithoboea</i>	293	<i>Oxystylis</i>	118
Onagraceae	439	<i>Ormithocarpa</i>	225	<i>Oxytheca</i>	465
<i>Oncidium</i>	714	<i>Ornithocephalus</i>	715	<i>Oxytropis</i>	368
<i>Oncodostigma</i>	52	<i>Ornithogalum</i>	672	<i>Ozoroa</i>	48
<i>Oncosperma</i>	741	<i>Ornithoglossum</i>	638	<i>Ozothamnus</i>	185
<i>Onobrychis</i>	367	<i>Ornithopus</i>	368	<i>Pachites</i>	715
<i>Ononis</i>	367	<i>Orobanche</i>	559	<i>Pachyanthus</i>	404
<i>Onopordum</i>	184	<i>Orochaenactis</i>	185	<i>Pachycarpus</i>	68
<i>Onoseris</i>	184	<i>Oropetium</i>	662	<i>Pachycereus</i>	104
<i>Onosma</i>	84	<i>Orophea</i>	52	<i>Pachyctenium</i>	592
<i>Onosmodium</i>	85	<i>Orostachys</i>	210	<i>Pachycymbium</i>	68
<i>Oonopsis</i>	185	<i>Orothamnus</i>	475	<i>Pachylarnax</i>	388
<i>Oparanthus</i>	185	<i>Ortegocactus</i>	104	<i>Pachyphyllum</i>	715
<i>Opercularia</i>	513	<i>Orthaea</i>	253	<i>Pachypodium</i>	56
<i>Operculina</i>	206	<i>Orthocarpus</i>	560	<i>Pachysandra</i>	91
<i>Ophellantha</i>	274	<i>Orthopterum</i>	46	<i>Pachystegia</i>	185
Ophioglossaceae	14	<i>Orthopterygium</i>	48	<i>Pachystela</i>	539
<i>Ophioglossum</i>	15	<i>Orthosiphon</i>	312	<i>Pachystigma</i>	514
<i>Ophiopogon</i>	639	<i>Oryctes</i>	571	<i>Paeonia</i>	443
<i>Ophiorrhiza</i>	513	<i>Oryza</i>	662	Paeoniaceae	443
<i>Ophrypetalum</i>	52	<i>Oryzopsis</i>	662	<i>Paepalanthus</i>	650
<i>Ophrys</i>	714	<i>Osbeckia</i>	404	<i>Paesia</i>	9
<i>Ophthalmophyllum</i>	46	<i>Oschatzia</i>	592	<i>Palaeocyanus</i>	185
Opiliaceae	442	<i>Osmanthus</i>	439	<i>Palafoxia</i>	185
<i>Opithandra</i>	293	<i>Osmorhiza</i>	592	<i>Palaquium</i>	539
<i>Oplonia</i>	39	<i>Osmoxylon</i>	59	<i>Palaua</i>	395
<i>Opuntia</i>	102	<i>Osmunda</i>	15	<i>Palicourea</i>	514
<i>Orania</i>	741	Osmundaceae	15	<i>Palisota</i>	639
<i>Orbea</i>	68	<i>Ossaea</i>	404	Palmae	726
<i>Orbeanthus</i>	68	<i>Osteospermum</i>	185	<i>Palmeria</i>	411
<i>Orbeopsis</i>	68	<i>Ostodes</i>	274	<i>Palmorchis</i>	715
<i>Orbexilum</i>	368	<i>Ostrearia</i>	301	<i>Pamianthe</i>	619
Orchidaceae	689	<i>Ostrowskia</i>	115	<i>Panamanthus</i>	386
<i>Orchidantha</i>	688	<i>Ostrya</i>	207	<i>Panax</i>	59
<i>Orchis</i>	715	<i>Otacanthus</i>	560	<i>Pancheria</i>	231
<i>Orcuttia</i>	662	<i>Otholobium</i>	368	<i>Pancratium</i>	619
<i>Oreithales</i>	483	<i>Othonna</i>	185	Pandanaceae	745
<i>Oreobliton</i>	136	<i>Otiophora</i>	513	<i>Pandanus</i>	745
<i>Oreocereus</i>	104	<i>Otoba</i>	415	<i>Panicum</i>	662
<i>Oreodendron</i>	582	<i>Otocarpus</i>	226	<i>Papaver</i>	444
<i>Oreomunnea</i>	307	<i>Otophora</i>	535	Papaveraceae	443
<i>Oreomyrrhis</i>	592	<i>Otostegia</i>	312	<i>Paphinia</i>	715
<i>Oreonana</i>	592	<i>Ottelia</i>	673	<i>Paphiopedilum</i>	715

<i>Papperitzia</i>	716	<i>Patrinia</i>	598	<i>Pentaplaris</i>	583
<i>Parabarium</i>	56	<i>Pauia</i>	571	<i>Pentas</i>	514
<i>Paraboea</i>	293	<i>Paullinia</i>	535	<i>Pentaschistis</i>	663
<i>Paracaleana</i>	716	<i>Paulownia</i>	560	<i>Peperomia</i>	447
<i>Paracalyx</i>	369	<i>Pauridia</i>	673	<i>Peponium</i>	230
<i>Paracaryum</i>	85	<i>Pausinystalia</i>	514	<i>Peponopsis</i>	230
<i>Paracautleya</i>	752	<i>Pavetta</i>	514	<i>Pera</i>	274
<i>Paradrymonia</i>	293	<i>Pavonia</i>	395	<i>Peraxilla</i>	386
<i>Parafaujasia</i>	185	<i>Paxistima</i>	134	<i>Perebea</i>	413
<i>Parahancornia</i>	56	<i>Payena</i>	539	<i>Pereskia</i>	104
<i>Parahebe</i>	560	<i>Pearcea</i>	293	<i>Perezia</i>	186
<i>Parahyparrhenia</i>	662	<i>Pearsonia</i>	370	<i>Pericallis</i>	186
<i>Paraixeris</i>	185	<i>Pectinaria</i>	68	<i>Pericampylus</i>	410
<i>Parajubaea</i>	741	<i>Pectis</i>	186	<i>Perideridia</i>	592
<i>Paramachaerium</i>	369	<i>Pedaliaceae</i>	446	<i>Peripentadenia</i>	243
<i>Paramongaia</i>	619	<i>Peddiea</i>	582	<i>Periptera</i>	395
<i>Paranephelium</i>	535	<i>Pedicularis</i>	560	<i>Peristeria</i>	716
<i>Paranomus</i>	475	<i>Pedilanthus</i>	274	<i>Peristrophe</i>	39
<i>Parantennaria</i>	185	<i>Pedilochilus</i>	716	<i>Peristylus</i>	716
<i>Paraphalaenopsis</i>	716	<i>Pediocactus</i>	104	<i>Peritostema</i>	86
<i>Pararistolochia</i>	61	<i>Pedimelum</i>	370	<i>Perityle</i>	186
<i>Parashorea</i>	237	<i>Pegoletia</i>	186	<i>Persaea</i>	328
<i>Parasicyos</i>	230	<i>Pelagodoxa</i>	741	<i>Persicaria</i>	466
<i>Parasilas</i>	592	<i>Pelargonium</i>	288	<i>Persoonia</i>	476
<i>Paraskevia</i>	86	<i>Pelea</i>	528	<i>Perymenium</i>	187
<i>Paratecoma</i>	76	<i>Pelecyphora</i>	104	<i>Pescatoria</i>	716
<i>Parathesis</i>	418	<i>Peliosanthes</i>	639	<i>Petagnia</i>	593
<i>Paratrophis</i>	413	<i>Pellacalyx</i>	489	<i>Petalonyx</i>	384
<i>Paravitex</i>	600	<i>Pellaea</i>	3	<i>Petasites</i>	187
<i>Parentucellia</i>	560	<i>Pellegriniodendron</i>	370	<i>Petchia</i>	56
<i>Pariana</i>	662	<i>Pelliciera</i>	446	<i>Petelotiella</i>	596
<i>Parietaria</i>	596	<i>Pellicieraceae</i>	446	<i>Peteravenia</i>	187
<i>Parinari</i>	142	<i>Pellionia</i>	596	<i>Peterodendron</i>	283
<i>Parishella</i>	115	<i>Peltaea</i>	395	<i>Petrea</i>	600
<i>Parkeriaceae</i>	15	<i>Peltanthera</i>	89	<i>Petrobium</i>	187
<i>Parkia</i>	369	<i>Peltariopsis</i>	226	<i>Petrocoma</i>	126
<i>Parkinsonia</i>	370	<i>Peltoboykinia</i>	546	<i>Petrocoptis</i>	126
<i>Parmentiera</i>	76	<i>Peltophorum</i>	370	<i>Petronympha</i>	611
<i>Parnassia</i>	445	<i>Penaeaceae</i>	447	<i>Petrophile</i>	476
<i>Parnassiaceae</i>	445	<i>Penelopeia</i>	230	<i>Petrophyton</i>	494
<i>Parodianthus</i>	600	<i>Peniocereus</i>	104	<i>Petrorhagia</i>	126
<i>Parolinia</i>	226	<i>Pennantia</i>	305	<i>Petrosimonia</i>	136
<i>Paronychia</i>	305	<i>Pennellia</i>	226	<i>Peucedanum</i>	593
<i>Parrya</i>	226	<i>Pennisetum</i>	663	<i>Phacelia</i>	302
<i>Parsonsia</i>	56	<i>Penstemon</i>	561	<i>Phaeanthus</i>	52
<i>Parthenice</i>	185	<i>Pentacalia</i>	186	<i>Phaedranassa</i>	619
<i>Parthenium</i>	185	<i>Pentachaeta</i>	186	<i>Phagnalon</i>	187
<i>Pasania</i>	278	<i>Pentachondra</i>	244	<i>Phaius</i>	716
<i>Paschalococos</i>	741	<i>Pentagonia</i>	514	<i>Phalacrocarpum</i>	187
<i>Paspalidium</i>	662	<i>Pentagramma</i>	3	<i>Phalaenopsis</i>	716
<i>Paspalum</i>	663	<i>Pentaloncha</i>	514	<i>Phalaris</i>	663
<i>Passerina</i>	582	<i>Pentameris</i>	663	<i>Phanera</i>	370
<i>Passiflora</i>	445	<i>Pentapanax</i>	59	<i>Phaseolus</i>	370
<i>Passifloraceae</i>	445	<i>Pentapeltis</i>	592	<i>Phebalium</i>	528
<i>Pastinaca</i>	592	<i>Pentaphragma</i>	447	<i>Pheidonocarpa</i>	293
<i>Pastinacopsis</i>	592	<i>Pentaphragmataceae</i>	447	<i>Phellodendron</i>	529

<i>Phenax</i>	596	<i>Physogyne</i>	717	<i>Pittosporum</i>	450
<i>Phialanthus</i>	515	<i>Physokentia</i>	741	<i>Pityopsis</i>	187
<i>Phidiasia</i>	39	<i>Physoplexis</i>	115	<i>Pityrodia</i>	600
<i>Philadelphus</i>	302	<i>Physopychis</i>	226	<i>Placea</i>	619
<i>Philbornea</i>	384	<i>Physostegia</i>	313	<i>Placodiscus</i>	535
<i>Philibertia</i>	69	<i>Phytelephas</i>	741	<i>Pladaroxylon</i>	187
<i>Philippia</i>	253	<i>Phyteuma</i>	115	<i>Plagianthus</i>	395
<i>Philodendron</i>	624	<i>Phytolacca</i>	447	<i>Plagiobothrys</i>	86
<i>Philydraceae</i>	746	<i>Phytolaccaceae</i>	447	<i>Plagiogyria</i>	15
<i>Phinaea</i>	293	<i>Piaranthus</i>	69	<i>Plagiogyriaceae</i>	16
<i>Phippsia</i>	663	<i>Picconia</i>	439	<i>Plagiolirion</i>	619
<i>Phlebophyllum</i>	39	<i>Picea</i>	23	<i>Plagiiosiphon</i>	370
<i>Phlegmatospermum</i>	226	<i>Picramnia</i>	569	<i>Plagiurus</i>	187
<i>Phleum</i>	663	<i>Picrasma</i>	569	<i>Plakothira</i>	384
<i>Phlomis</i>	312	<i>Picris</i>	187	<i>Planchonella</i>	539
<i>Phlox</i>	458	<i>Picrodendron</i>	276	<i>Plantaginaceae</i>	451
<i>Phoebanthus</i>	187	<i>Pieris</i>	254	<i>Plantago</i>	451
<i>Phoebe</i>	328	<i>Pierreedendron</i>	570	<i>Platanthera</i>	717
<i>Phoenicanthus</i>	52	<i>Pilea</i>	596	<i>Platycalyx</i>	254
<i>Phoenicophorium</i>	741	<i>Pilgerodendron</i>	21	<i>Platycarpum</i>	515
<i>Phoenix</i>	741	<i>Pilocarpus</i>	529	<i>Platycaulos</i>	747
<i>Pholidocarpus</i>	741	<i>Pilocosta</i>	404	<i>Platycerium</i>	16
<i>Pholidota</i>	717	<i>Pilopleura</i>	593	<i>Platycladus</i>	22
<i>Pholisma</i>	381	<i>Pilosocereus</i>	105	<i>Platycoryne</i>	718
<i>Pholistoma</i>	304	<i>Pilostyles</i>	478	<i>Platydesma</i>	529
<i>Phoradendron</i>	604	<i>Pimelea</i>	582	<i>Platyglottis</i>	718
<i>Phormiaceae</i>	746	<i>Pimenta</i>	431	<i>Platygyne</i>	276
<i>Photinia</i>	494	<i>Pimpinella</i>	593	<i>Platylepis</i>	718
<i>Phragmanthera</i>	386	<i>Pinaceae</i>	22	<i>Platylobium</i>	370
<i>Phragmipedium</i>	717	<i>Pinanga</i>	741	<i>Platymiscium</i>	370
<i>Phreatia</i>	717	<i>Pinaropappus</i>	187	<i>Platysace</i>	593
<i>Phryna</i>	126	<i>Pinarophyllum</i>	515	<i>Platyspermatium</i>	257
<i>Phrynium</i>	688	<i>Pinguicula</i>	381	<i>Platystele</i>	718
<i>Phthirusa</i>	386	<i>Pinopsida</i>	19	<i>Plectocomia</i>	742
<i>Phycella</i>	619	<i>Pinosia</i>	126	<i>Plectocomiopsis</i>	742
<i>Phylca</i>	487	<i>Pintoa</i>	606	<i>Plectorrhiza</i>	718
<i>Phyllacanthus</i>	515	<i>Pinus</i>	24	<i>Plectrachne</i>	663
<i>Phyllagathis</i>	404	<i>Piper</i>	449	<i>Plectranthus</i>	313
<i>Phyllanthus</i>	274	<i>Piperaceae</i>	447	<i>Plectronia</i>	439
<i>Phyllitis</i>	5	<i>Piperia</i>	717	<i>Plegmatolemma</i>	40
<i>Phyllopodium</i>	563	<i>Piptadenia</i>	370	<i>Pleiomeris</i>	418
<i>Phyllospadix</i>	752	<i>Piptadeniopsis</i>	370	<i>Pleione</i>	718
<i>Phyllostachys</i>	663	<i>Piptochaetium</i>	663	<i>Pleiospermium</i>	529
<i>Phyllostegia</i>	313	<i>Piptochaetium</i>	663	<i>Pleiospilos</i>	46
<i>Phyllota</i>	370	<i>Piptostigma</i>	52	<i>Pleodendron</i>	117
<i>Phymaspermum</i>	187	<i>Pipturus</i>	597	<i>Pleomele</i>	649
<i>Phymosia</i>	395	<i>Piqueriopsis</i>	187	<i>Pleopeltis</i>	16
<i>Physacanthus</i>	40	<i>Pisonia</i>	435	<i>Plethiandra</i>	404
<i>Physaliastrum</i>	571	<i>Pisoniella</i>	436	<i>Pleurisanthes</i>	305
<i>Physalis</i>	571	<i>Pistacia</i>	48	<i>Pleurocarpaea</i>	187
<i>Physaria</i>	226	<i>Pitardia</i>	313	<i>Pleuropappus</i>	187
<i>Physinga</i>	717	<i>Pitavia</i>	529	<i>Pleuropetalum</i>	47
<i>Physocalyx</i>	563	<i>Pitcairnia</i>	630	<i>Pleurostyliia</i>	134
<i>Physocardamum</i>	226	<i>Pithecellobium</i>	370	<i>Pleurothallis</i>	718
<i>Physoceras</i>	717	<i>Pittosporaceae</i>	450	<i>Pleurothyrium</i>	328
<i>Physochlaina</i>	571	<i>Pittosporopsis</i>	305	<i>Plicosepalus</i>	386

<i>Plinia</i>	431	<i>Polytrema</i>	40	<i>Protea</i>	476
<i>Plinthanthesis</i>	663	<i>Polyzygus</i>	593	Proteaceae	471
<i>Pluchea</i>	187	<i>Pomaderris</i>	487	<i>Protium</i>	90
Plumbaginaceae	452	<i>Pomatocalpa</i>	720	<i>Prumnopitys</i>	29
<i>Pneumatopteris</i>	17	<i>Ponera</i>	720	<i>Prunella</i>	314
<i>Poa</i>	663	Pontederiaceae	746	<i>Prunus</i>	495
<i>Podadenia</i>	276	<i>Ponthieva</i>	720	<i>Psacalium</i>	187
<i>Podalyria</i>	371	<i>Popowia</i>	52	<i>Psammisia</i>	254
<i>Podistera</i>	593	<i>Populus</i>	531	<i>Psammosilene</i>	126
Podocarpaceae	27	<i>Portiera</i>	606	<i>Psathura</i>	515
<i>Podocarpus</i>	28	<i>Poroditia</i>	563	<i>Psathyrostachys</i>	665
<i>Podolepis</i>	187	<i>Porophyllum</i>	187	<i>Pseudagrostistachys</i>	276
<i>Podonephelium</i>	535	<i>Porroglossum</i>	720	<i>Pseudanthus</i>	276
<i>Podonosma</i>	86	<i>Portlandia</i>	515	<i>Pseudarrhenatherum</i>	665
<i>Podophorus</i>	665	<i>Portulaca</i>	467	<i>Pseudōsphedranthus</i>	52
Podostemaceae	456	Portulacaceae	467	<i>Pseuderanthemum</i>	40
<i>Poecilanthe</i>	371	<i>Potamogeton</i>	746	<i>Pseuderemostachys</i>	314
<i>Poeciloneuron</i>	299	Potamogetonaceae	746	<i>Pseudima</i>	535
<i>Poellnitzia</i>	616	<i>Potentilla</i>	494	<i>Pseudobaeckea</i>	89
<i>Pogogyne</i>	314	<i>Pothos</i>	624	<i>Pseudobahia</i>	187
<i>Pogonotium</i>	742	<i>Poupartia</i>	49	<i>Pseudobombax</i>	78
<i>Pogostemon</i>	314	<i>Pourouma</i>	132	<i>Pseudocarapa</i>	407
<i>Pohlidium</i>	665	<i>Pouteria</i>	540	<i>Pseudocarpidium</i>	601
<i>Poikilacanthus</i>	40	<i>Pouzolzia</i>	597	<i>Pseudocatalpa</i>	76
<i>Polanisia</i>	118	<i>Povedadaphne</i>	328	<i>Pseudocentrum</i>	720
Polemoniaceae	456	<i>Pradosia</i>	543	<i>Pseudoclappia</i>	188
<i>Polemonium</i>	458	<i>Prangos</i>	593	<i>Pseudoconnarus</i>	203
<i>Polhillia</i>	371	<i>Prasophyllum</i>	720	<i>Pseudocranichis</i>	720
<i>Polianthes</i>	607	<i>Pratia</i>	116	<i>Pseudocyclosorus</i>	17
<i>Pollia</i>	639	<i>Premna</i>	600	<i>Pseudodanthonia</i>	665
<i>Polyalthia</i>	52	<i>Prenanthes</i>	187	<i>Pseudoeugenia</i>	431
<i>Polybotrya</i>	11	<i>Prepusa</i>	287	<i>Pseudoglochidion</i>	276
<i>Polycarena</i>	563	<i>Prestoea</i>	742	<i>Pseudolarix</i>	26
<i>Polycarpaea</i>	126	<i>Prestonia</i>	56	<i>Pseudolmedia</i>	414
<i>Polycarpon</i>	126	<i>Primula</i>	469	<i>Pseudolysimachion</i>	563
<i>Polyceratocarpus</i>	52	Primulaceae	468	<i>Pseudomarrubium</i>	314
<i>Polyctenium</i>	226	<i>Primularia</i>	404	<i>Pseudomussaenda</i>	515
<i>Polygala</i>	459	<i>Prionanthium</i>	665	<i>Pseudopanax</i>	60
Polygalaceae	459	<i>Prionotrichon</i>	226	<i>Pseudophegopteris</i>	17
Polygonaceae	461	<i>Priotropis</i>	371	<i>Pseudophleum</i>	665
<i>Polygonatum</i>	639	<i>Prismatocarpus</i>	116	<i>Pseudophoenix</i>	742
<i>Polygonella</i>	466	<i>Prismatomeris</i>	515	<i>Pseudopyxis</i>	515
<i>Polygonum</i>	466	<i>Pristimera</i>	134	<i>Pseudorhipsalis</i>	105
<i>Polylepis</i>	494	<i>Pritchardia</i>	742	<i>Pseudosabicea</i>	515
<i>Polylophium</i>	593	<i>Pritchardiopsis</i>	742	<i>Pseudosalacia</i>	134
<i>Polymnia</i>	187	<i>Priva</i>	600	<i>Pseudosciadium</i>	60
<i>Polyneura</i>	665	<i>Proatriplex</i>	136	<i>Pseudoscolopia</i>	283
<i>Polyosma</i>	257	<i>Proboscidea</i>	446	<i>Pseudostellaria</i>	126
<i>Polypleurella</i>	456	<i>Prockia</i>	583	<i>Pseudotaxus</i>	29
Polypodiaceae	16	<i>Procopiania</i>	86	<i>Pseudotsuga</i>	26
<i>Polypodium</i>	16	<i>Procris</i>	597	<i>Pseudovesicaria</i>	226
<i>Polypogon</i>	665	<i>Pronephrium</i>	17	<i>Pseudoxandra</i>	52
<i>Polyscias</i>	59	<i>Prosopanche</i>	301	<i>Pseuduvaria</i>	52
<i>Polysphaeria</i>	515	<i>Prosopis</i>	371	<i>Psiadia</i>	188
<i>Polystachya</i>	719	<i>Prostanthera</i>	314	<i>Psidium</i>	431
<i>Polystichum</i>	11	<i>Protarum</i>	625	<i>Psiguria</i>	230

<i>Psilocarphus</i>	188	<i>Purshia</i>	496	<i>Ravenia</i>	529
<i>Psiloesthes</i>	40	<i>Putranjiva</i>	276	<i>Razisea</i>	40
<i>Psilostachys</i>	276	<i>Puya</i>	631	<i>Reaumuria</i>	579
Psilotaceae	2	<i>Pycnantra</i>	543	<i>Rebutia</i>	105
<i>Psilotrichum</i>	47	<i>Pycnanthemum</i>	314	<i>Redowskia</i>	226
<i>Psiloum</i>	2	<i>Pycnarrhena</i>	410	<i>Reedia</i>	645
<i>Psittacanthus</i>	386	<i>Pycnospatha</i>	625	<i>Reediella</i>	13
<i>Psoralea</i>	371	<i>Pycneus</i>	645	<i>Reedrollinsia</i>	52
<i>Psoralidium</i>	372	<i>Pyrenacantha</i>	305	<i>Reevesia</i>	577
<i>Psorothamnus</i>	372	<i>Pyrenaria</i>	580	<i>Regelia</i>	431
<i>Psychilis</i>	720	<i>Pyrethrum</i>	188	<i>Rehderodendron</i>	578
<i>Psychotria</i>	515	<i>Pyrostria</i>	518	<i>Rehia</i>	665
<i>Psyrax</i>	518	<i>Pyrrhocactus</i>	105	<i>Reichardia</i>	188
<i>Psygmorchis</i>	720	<i>Pyrrocoma</i>	188	<i>Reicheia</i>	431
<i>Pteleopsis</i>	144	<i>Pyrrosia</i>	16	<i>Reidia</i>	276
<i>Pteralyxia</i>	56	<i>Pyrus</i>	496	<i>Reinhardtia</i>	743
<i>Pterandra</i>	391	<i>Pyxidanthera</i>	232	<i>Reldia</i>	293
<i>Pterichis</i>	720	<i>Qiongzhuea</i>	665	<i>Relhania</i>	188
Pteridaceae	16	<i>Quaqua</i>	69	<i>Remijia</i>	519
Pteridopsida	3	<i>Quararibea</i>	79	<i>Remusatia</i>	625
<i>Pteridrys</i>	11	<i>Quassia</i>	570	<i>Remya</i>	189
<i>Pteris</i>	16	<i>Quercus</i>	278	<i>Renanthera</i>	721
<i>Pterisanthes</i>	605	<i>Quesnelia</i>	634	<i>Renealmia</i>	752
<i>Pternopetalum</i>	594	<i>Quiina</i>	478	<i>Reseda</i>	485
<i>Pterocarpus</i>	372	Quiinaceae	478	Resedaceae	485
<i>Pteroceltis</i>	585	<i>Quinchamalium</i>	532	<i>Restio</i>	747
<i>Pterocephalus</i>	235	<i>Quintinia</i>	258	Restionaceae	747
<i>Pteroceras</i>	720	<i>Rabiea</i>	46	<i>Restrepia</i>	721
<i>Pteroglossaspis</i>	720	<i>Radermachera</i>	76	<i>Restrepiopsis</i>	721
<i>Pteronia</i>	188	<i>Rafflesia</i>	478	<i>Retama</i>	372
<i>Pterosicyos</i>	230	Rafflesiaceae	478	<i>Retrophyllum</i>	29
<i>Pterospermum</i>	577	<i>Rafnia</i>	372	<i>Reutealis</i>	276
<i>Pterostylis</i>	720	<i>Rahowardiana</i>	571	<i>Revelia</i>	189
<i>Pterostyrax</i>	578	<i>Raillardella</i>	188	<i>Reyemia</i>	564
<i>Pterothrix</i>	188	<i>Raillardiopsis</i>	188	<i>Reynoldsia</i>	60
<i>Pterygodium</i>	721	<i>Rajania</i>	649	<i>Reynosia</i>	488
<i>Pterygota</i>	577	<i>Ramatuela</i>	144	Rhabdodendraceae	485
<i>Ptilagrostis</i>	665	<i>Ramonda</i>	293	<i>Rhabdodendron</i>	485
<i>Ptilimnium</i>	594	<i>Ramorinoa</i>	372	<i>Rhabdosciadium</i>	594
<i>Ptilostemon</i>	188	<i>Ramosmania</i>	518	<i>Rhadamanthus</i>	672
<i>Ptilotrichum</i>	226	<i>Randia</i>	518	<i>Rhagodia</i>	136
<i>Ptilotus</i>	47	Ranunculaceae	478	Rhamnaceae	485
<i>Ptychopyxis</i>	276	<i>Ranunculus</i>	483	<i>Rhamnidium</i>	488
<i>Ptychosema</i>	372	<i>Ranzania</i>	75	<i>Rhamnus</i>	488
<i>Ptychosperma</i>	742	<i>Raoulia</i>	188	<i>Rhamphicarpa</i>	564
<i>Pubistylus</i>	518	<i>Rapanea</i>	418	<i>Rhamphogyne</i>	189
<i>Puccinellia</i>	665	<i>Raphanorhyncha</i>	226	<i>Rhaphidophora</i>	625
<i>Pucciphippsia</i>	665	<i>Raphia</i>	743	<i>Rhaphidophyton</i>	136
<i>Pueraria</i>	372	<i>Rhaphidophora</i>	625	<i>Rhaphidospora</i>	40
<i>Pulchranthus</i>	40	<i>Raphionacme</i>	69	<i>Rhaphithamnus</i>	601
<i>Pulicaria</i>	188	<i>Raritebe</i>	518	<i>Rhapis</i>	743
<i>Pulmonaria</i>	86	<i>Raspalia</i>	89	<i>Rhaponticum</i>	189
<i>Pulsatilla</i>	483	<i>Rauhia</i>	619	<i>Rhaptopetalum</i>	569
<i>Pultanea</i>	372	<i>Raulinoa</i>	529	<i>Rhazya</i>	57
<i>Punica</i>	387	<i>Rauwolfia</i>	57	<i>Rheedia</i>	299
<i>Purdiaea</i>	231	<i>Ravenea</i>	743	<i>Rheum</i>	466



<i>Rhexia</i>	404	<i>Robinsonia</i>	189	Ruscaceae	748
<i>Rhigiocarya</i>	410	<i>Robiqueta</i>	721	<i>Ruschia</i>	46
<i>Rhinacanthus</i>	40	<i>Robynsia</i>	519	<i>Ruscus</i>	748
<i>Rhinanthus</i>	564	<i>Rocheportia</i>	86	<i>Rustia</i>	520
<i>Rhinephyllum</i>	46	<i>Rockinghamia</i>	276	<i>Ruta</i>	529
<i>Rhinerrhiza</i>	721	<i>Rodriguezia</i>	721	Rutaceae	522
<i>Rhipidantha</i>	519	<i>Roegneria</i>	665	<i>Rutheopsis</i>	594
<i>Rhipidocladum</i>	665	<i>Roella</i>	116	<i>Rutidosia</i>	189
<i>Rhipsalis</i>	105	<i>Roemeria</i>	445	<i>Ruyschia</i>	396
<i>Rhizanthella</i>	721	<i>Roggeveldia</i>	681	<i>Ryania</i>	283
<i>Rhizobotrya</i>	226	<i>Rollandia</i>	116	<i>Ryparosa</i>	283
Rhizophoraceae	489	<i>Rollinia</i>	52	<i>Rytidocarpus</i>	227
<i>Rhodamnia</i>	431	<i>Romanschulzia</i>	227	<i>Rytidosperma</i>	665
<i>Rhododendron</i>	254	<i>Romanzoffia</i>	304	<i>Rytigynia</i>	520
<i>Rhododon</i>	315	<i>Romeroa</i>	77	<i>Saba!</i>	743
<i>Rhodogeron</i>	189	<i>Romnaldia</i>	688	<i>Sabatia</i>	287
<i>Rhodomyrtus</i>	431	<i>Romneya</i>	445	<i>Sabazia</i>	189
<i>Rhodophiala</i>	619	<i>Romulea</i>	681	<i>Sabia</i>	531
<i>Rhodothamnus</i>	255	<i>Rondeletia</i>	519	Sabiaceae	531
<i>Rhoiptelea</i>	490	<i>Roridula</i>	490	<i>Sabicea</i>	521
Rhoipteleaceae	490	Roridulaceae	490	<i>Sabinea</i>	373
<i>Rhopaloblaste</i>	743	<i>Rorippa</i>	227	<i>Sacciolepis</i>	665
<i>Rhopalopilina</i>	442	<i>Rosa</i>	496	<i>Saccolabiopsis</i>	721
<i>Rhopalostylis</i>	743	Rosaceae	490	<i>Saccolabium</i>	721
<i>Rhus</i>	49	<i>Roscheria</i>	743	<i>Saccopetalum</i>	53
<i>Rhynchanthera</i>	405	<i>Rossioglossum</i>	721	<i>Sachsia</i>	189
Rhynchocalycaceae	490	<i>Rostellularia</i>	40	<i>Sageraea</i>	53
<i>Rhynchocalyx</i>	490	<i>Rosularia</i>	210	<i>Sagittaria</i>	608
<i>Rhynchocorys</i>	564	<i>Rotala</i>	387	<i>Saintpaulia</i>	293
<i>Rhynchoglossum</i>	293	<i>Rothmaleria</i>	189	<i>Sairocarpus</i>	564
<i>Rhynchosia</i>	372	<i>Rothmannia</i>	520	<i>Salacca</i>	743
<i>Rhynchosinapis</i>	226	<i>Roupala</i>	477	<i>Salacia</i>	134
<i>Rhynchospora</i>	645	<i>Rourea</i>	203	Salicaceae	531
<i>Rhynchostele</i>	721	<i>Roussea</i>	258	<i>Salicornia</i>	136
<i>Rhynchostylis</i>	721	<i>Rousselia</i>	597	<i>Salix</i>	531
<i>Rhynchotheca</i>	289	<i>Roycea</i>	136	<i>Salmea</i>	189
<i>Rhyticalymma</i>	40	<i>Roystonea</i>	743	<i>Salpichroa</i>	571
<i>Rhytidocaulon</i>	69	<i>Ruagea</i>	407	<i>Salpinctium</i>	41
<i>Rhytidophyllum</i>	293	<i>Rubia</i>	520	<i>Salpicantha</i>	41
<i>Ribes</i>	295	Rubiaceae	499	<i>Salsola</i>	136
<i>Richardia</i>	519	<i>Rubus</i>	496	<i>Salvia</i>	315
<i>Richeria</i>	276	<i>Rudbeckia</i>	189	<i>Sambucus</i>	119
<i>Ricinocarpus</i>	276	<i>Rudgea</i>	520	<i>Samolus</i>	470
<i>Ricinocarpus</i>	276	<i>Ruellia</i>	40	<i>Samyda</i>	283
<i>Ricotia</i>	226	<i>Rufodorsia</i>	293	<i>Sanango</i>	89
<i>Rindera</i>	86	<i>Rugelia</i>	189	<i>Sanchezia</i>	41
<i>Rinorea</i>	601	<i>Ruizia</i>	577	<i>Sanctambrosia</i>	126
<i>Rinzia</i>	431	<i>Rulingia</i>	577	<i>Sandoricum</i>	407
<i>Riocreuxia</i>	69	<i>Rumex</i>	466	<i>Sanguisorba</i>	499
<i>Risleya</i>	721	<i>Rumfordia</i>	189	<i>Sanicula</i>	594
<i>Ristantia</i>	431	<i>Rumohra</i>	11	Santalaceae	532
<i>Rivasgodaya</i>	373	<i>Rungia</i>	40	<i>Santalum</i>	532
<i>Rivea</i>	206	<i>Rupertia</i>	373	<i>Santapaua</i>	41
<i>Robeschia</i>	226	<i>Rupicapnos</i>	445	<i>Santolina</i>	189
<i>Robinia</i>	373	<i>Rupicola</i>	244	<i>Saphesia</i>	46
<i>Robinsonella</i>	395	<i>Ruprechtia</i>	466	Sapindaceae	533

<i>Sapindus</i>	535	<i>Schiedeella</i>	722	<i>Scolopia</i>	283
<i>Sapium</i>	276	<i>Schima</i>	580	<i>Scolosanthus</i>	521
<i>Saponaria</i>	126	<i>Schinopsis</i>	49	<i>Scopelogena</i>	46
Sapotaceae	536	<i>Schinus</i>	49	<i>Scopolia</i>	571
<i>Sapphoa</i>	41	<i>Schippia</i>	744	<i>Scopulophila</i>	306
<i>Saprosma</i>	521	<i>Schisandra</i>	547	<i>Scorzonera</i>	190
<i>Sarcanthemum</i>	189	Schisandraceae	547	<i>Scrophularia</i>	564
<i>Sarcanthus</i>	722	<i>Schistocarpha</i>	190	Scrophulariaceae	547
<i>Sarcaulus</i>	543	<i>Schistostylus</i>	722	<i>Scurrula</i>	386
<i>Sarcocapnos</i>	445	<i>Schivereckia</i>	227	<i>Scutellaria</i>	317
<i>Sarcophilus</i>	722	<i>Schizachyrium</i>	665	<i>Scyphochlamys</i>	521
<i>Sarcoglyphis</i>	722	<i>Schizaea</i>	17	<i>Scyphogyne</i>	255
<i>Sarcomelicope</i>	529	Schizaeaceae	17	<i>Scyphostachys</i>	521
<i>Sarcomphalus</i>	489	<i>Schizochilus</i>	722	Scytopetalaceae	569
<i>Sarcopteryx</i>	535	<i>Schizocodon</i>	232	<i>Sebaea</i>	287
<i>Sarcosperma</i>	543	<i>Schizodium</i>	723	<i>Sebastiania</i>	277
<i>Sarcostemma</i>	69	<i>Schizoglossum</i>	69	<i>Secale</i>	666
<i>Sarcotoechia</i>	535	<i>Schizomeria</i>	231	<i>Secamone</i>	69
<i>Sarojusticia</i>	41	<i>Schizostachyum</i>	666	<i>Sechiopsis</i>	230
<i>Sarracenia</i>	544	<i>Schlimia</i>	723	<i>Sechium</i>	230
Sarraceniaceae	544	<i>Schlimmia</i>	723	<i>Secondatia</i>	57
<i>Sartwellia</i>	189	<i>Schlumbergera</i>	105	<i>Securidaca</i>	461
<i>Sasa</i>	665	<i>Schmardaea</i>	407	<i>Securinega</i>	277
<i>Sassafras</i>	329	<i>Schmidtia</i>	666	<i>Seddera</i>	206
<i>Satakentia</i>	744	<i>Schmidtottia</i>	521	<i>Sedella</i>	210
<i>Satranala</i>	744	<i>Schoenobiblus</i>	582	<i>Sedopsis</i>	468
<i>Satureja</i>	316	<i>Schoenocaulon</i>	688	<i>Sedum</i>	210
<i>Satyria</i>	255	<i>Schoenocrambe</i>	227	<i>Selaginella</i>	2
<i>Satyridium</i>	722	<i>Schoenolirion</i>	672	Selaginellaceae	2
<i>Satyrium</i>	722	<i>Schoenorchis</i>	723	<i>Selago</i>	565
<i>Saugetia</i>	665	<i>Schoenoxiphium</i>	646	<i>Selenicereus</i>	106
<i>Saurauia</i>	43	<i>Schoenus</i>	646	<i>Selenipedium</i>	723
<i>Sauropus</i>	277	<i>Schoepfia</i>	437	<i>Selkirkia</i>	86
<i>Saussurea</i>	189	<i>Schrankia</i>	373	<i>Semecarpus</i>	49
<i>Sauvagesia</i>	436	<i>Schrebera</i>	439	<i>Semele</i>	748
<i>Sauvallea</i>	639	<i>Schrenkia</i>	594	<i>Semenovia</i>	594
<i>Sauvallella</i>	373	<i>Schtschurowskia</i>	594	<i>Semiarundinaria</i>	666
<i>Savia</i>	277	<i>Schultzia</i>	594	<i>Semiliquidambar</i>	301
<i>Saxegothaea</i>	29	<i>Schumacheria</i>	234	<i>Semiramisia</i>	255
<i>Saxifraga</i>	546	<i>Schumanniphyton</i>	521	<i>Sempervivum</i>	211
Saxifragaceae	545	<i>Schwalbea</i>	564	<i>Senecio</i>	191
<i>Scabiosa</i>	235	<i>Schwantesia</i>	46	<i>Senna</i>	373
<i>Scaevola</i>	295	<i>Sciadocephala</i>	190	<i>Sequoiadendron</i>	30
<i>Scagea</i>	277	<i>Sciadopitys</i>	30	<i>Serapias</i>	723
<i>Scalesia</i>	190	<i>Sciaphila</i>	749	<i>Serialbizzia</i>	374
<i>Scaligera</i>	594	<i>Scilla</i>	672	<i>Serianthes</i>	374
<i>Scaligeria</i>	594	<i>Scindapsus</i>	625	<i>Sericanthe</i>	521
<i>Scandix</i>	594	<i>Scirpus</i>	646	<i>Sericocalyx</i>	41
<i>Scaphosepalum</i>	722	<i>Scleria</i>	647	<i>Serjania</i>	535
<i>Scariola</i>	190	<i>Sclerocactus</i>	105	<i>Serpyllopsis</i>	13
<i>Scelochilus</i>	722	<i>Sclerocarya</i>	49	<i>Serratula</i>	194
<i>Schaefferia</i>	134	<i>Sclerolaena</i>	136	<i>Serruria</i>	477
<i>Schaffnerella</i>	665	<i>Sclerolobium</i>	373	<i>Sesamoides</i>	485
<i>Schefflera</i>	60	<i>Sclerotheca</i>	116	<i>Sesbania</i>	374
<i>Schickendantzia</i>	616	<i>Sclerotiaria</i>	594	<i>Seseli</i>	594
<i>Schiedea</i>	127	<i>Scoliopus</i>	749	<i>Seshagiria</i>	69

<i>Sesleria</i>	666	<i>Smyrniopsis</i>	594	<i>Sphaerophysa</i>	374
<i>Sessilanthera</i>	682	<i>Smyrnium</i>	594	<i>Sphaerosciadium</i>	594
<i>Sesuvium</i>	46	<i>Sobolewskia</i>	227	<i>Sphalmium</i>	477
<i>Setaria</i>	666	<i>Sobralia</i>	723	<i>Sphenodesme</i>	601
<i>Seychellaria</i>	750	<i>Socotranthus</i>	69	<i>Sphenomeris</i>	9
<i>Shaferocharis</i>	521	<i>Socratea</i>	744	<i>Sphenopus</i>	666
<i>Sherbournea</i>	521	<i>Solanaceae</i>	570	<i>Sphenostemon</i>	574
<i>Shibateranthis</i>	484	<i>Solandra</i>	572	<i>Sphenostemonaceae</i>	574
<i>Shorea</i>	237	<i>Solanum</i>	572	<i>Sphinctanthus</i>	521
<i>Shortia</i>	232	<i>Soldanella</i>	470	<i>Sphyrastylis</i>	723
<i>Shoshonea</i>	594	<i>Solenanthus</i>	86	<i>Sphyrospermum</i>	255
<i>Sibara</i>	227	<i>Solenophora</i>	294	<i>Spigelia</i>	385
<i>Sibbaldia</i>	499	<i>Solenopsis</i>	116	<i>Spiloxene</i>	673
<i>Sibthorpia</i>	565	<i>Solenostemon</i>	318	<i>Spiraea</i>	499
<i>Sicyocaulis</i>	230	<i>Solidago</i>	194	<i>Spiracanthemum</i>	231
<i>Sicyos</i>	230	<i>Sommeria</i>	521	<i>Spiraeanthus</i>	499
<i>Sida</i>	395	<i>Sonchus</i>	195	<i>Spiranthes</i>	723
<i>Sidalcea</i>	395	<i>Sonderothamnus</i>	447	<i>Spirella</i>	69
<i>Sidastrum</i>	396	<i>Sonerila</i>	405	<i>Spirogardnera</i>	532
<i>Sideritis</i>	317	<i>Sonneratia</i>	387	<i>Spirostegia</i>	565
<i>Sideroxylon</i>	543	<i>Sophora</i>	374	<i>Spirotecoma</i>	77
<i>Sievekingia</i>	723	<i>Sophronitis</i>	723	<i>Spirotheca</i>	79
<i>Sigmatostalix</i>	723	<i>Sorbaria</i>	499	<i>Spongiosperma</i>	57
<i>Silene</i>	127	<i>Sorbus</i>	499	<i>Sporobolus</i>	666
<i>Siliquamomum</i>	752	<i>Sorghastrum</i>	666	<i>Sprengelia</i>	244
<i>Silphium</i>	194	<i>Sorghum</i>	666	<i>Spyridium</i>	489
<i>Simaba</i>	570	<i>Sorocephalus</i>	477	<i>Staavia</i>	89
<i>Simaroubaceae</i>	569	<i>Sorolepidium</i>	11	<i>Staberoha</i>	748
<i>Simira</i>	521	<i>Soulamea</i>	570	<i>Stachyanthus</i>	305
<i>Simplicia</i>	666	<i>Souroubea</i>	396	<i>Stachyarrhena</i>	521
<i>Simsia</i>	194	<i>Sowerbaea</i>	620	<i>Stachydeoma</i>	319
<i>Sinapidendron</i>	227	<i>Spachea</i>	391	<i>Stachyphrynium</i>	688
<i>Sinapis</i>	227	<i>Spananthe</i>	594	<i>Stachys</i>	319
<i>Sindora</i>	374	<i>Spaniopappus</i>	196	<i>Stachystemon</i>	277
<i>Sinia</i>	436	<i>Sparattanthelium</i>	301	<i>Stachytarpheta</i>	601
<i>Sinojackia</i>	578	<i>Sparattosperma</i>	77	<i>Stachyuraceae</i>	575
<i>Sinopanax</i>	60	<i>Sparaxis</i>	682	<i>Stachyurus</i>	574
<i>Sinopteris</i>	4	<i>Spatalla</i>	477	<i>Stackhousia</i>	575
<i>Sinowilsonia</i>	301	<i>Spathacanthus</i>	41	<i>Stackhousiaceae</i>	575
<i>Siparuna</i>	411	<i>Spathandra</i>	405	<i>Staezelina</i>	196
<i>Siphocampylus</i>	116	<i>Spathelia</i>	529	<i>Stahlia</i>	374
<i>Siphonochilus</i>	752	<i>Spathiphyllum</i>	625	<i>Stanfordia</i>	227
<i>Siphonoglossa</i>	41	<i>Spathodeopsis</i>	77	<i>Stangea</i>	598
<i>Sipolisia</i>	194	<i>Spathoglottis</i>	723	<i>Stangeria</i>	30
<i>Siraitia</i>	231	<i>Spatholobus</i>	374	<i>Stangeriaceae</i>	30
<i>Sisymbrium</i>	227	<i>Specularia</i>	116	<i>Stanhopea</i>	723
<i>Sisyranthus</i>	69	<i>Speea</i>	611	<i>Stanleya</i>	227
<i>Sisyrinchium</i>	682	<i>Spergula</i>	131	<i>Stapelia</i>	69
<i>Sium</i>	594	<i>Spergularia</i>	131	<i>Stapelianthus</i>	69
<i>Skimmia</i>	529	<i>Spermacoce</i>	521	<i>Stapeliopsis</i>	70
<i>Sloanea</i>	243	<i>Spermolepis</i>	594	<i>Staphylea</i>	575
<i>Smelowskia</i>	227	<i>Sphaeradenia</i>	640	<i>Staphyleaceae</i>	575
<i>Smilacaceae</i>	748	<i>Sphaeralcea</i>	396	<i>Stauntonia</i>	323
<i>Smilacina</i>	639	<i>Sphaerantia</i>	431	<i>Staurogyne</i>	41
<i>Smilax</i>	748	<i>Sphaerolobium</i>	374	<i>Staurogynopsis</i>	41
<i>Smithia</i>	374	<i>Sphaeromeria</i>	196	<i>Stawellia</i>	620

<i>Steenisoblechnum</i>	5	<i>Stipagrostis</i>	667	<i>Swainsona</i>	375
<i>Stefanoffia</i>	595	<i>Stirtonanthus</i>	374	<i>Swallenia</i>	667
<i>Steganotaenia</i>	595	<i>Stoebe</i>	196	<i>Swartzia</i>	375
<i>Stegathera</i>	411	<i>Stomatium</i>	46	<i>Swertia</i>	287
<i>Steinmannia</i>	611	<i>Stomatochaeta</i>	196	<i>Swida</i>	206
<i>Steiroidiscus</i>	196	<i>Storckiella</i>	374	<i>Swintonia</i>	49
<i>Stelechocarpus</i>	53	<i>Storthocalyx</i>	536	<i>Syagrus</i>	744
<i>Stelis</i>	723	<i>Streblacanthus</i>	41	<i>Symphonia</i>	299
<i>Stellaria</i>	131	<i>Streblorrhiza</i>	374	<i>Symphoricarpos</i>	119
<i>Stellera</i>	582	<i>Streblus</i>	414	<i>Symphyandra</i>	116
<i>Stelleropsis</i>	582	<i>Strelitzia</i>	748	<i>Symphochlamys</i>	396
<i>Stellilabium</i>	724	<i>Strelitziaceae</i>	748	<i>Symphytum</i>	86
<i>Stemmacantha</i>	196	<i>Strepeliopsis</i>	57	<i>Symplocaceae</i>	578
<i>Stemmadenia</i>	57	<i>Streptanthus</i>	227	<i>Symplocos</i>	578
<i>Stemodia</i>	565	<i>Streptocarpus</i>	294	<i>Synadenium</i>	277
<i>Stemona</i>	748	<i>Streptocaulon</i>	70	<i>Synammia</i>	16
<i>Stemonaceae</i>	748	<i>Streptochoeta</i>	667	<i>Synaphea</i>	477
<i>Stemonoporus</i>	239	<i>Streptolirion</i>	639	<i>Synapsis</i>	77
<i>Stenandrium</i>	41	<i>Streptopetalum</i>	585	<i>Syncarpha</i>	196
<i>Stenanona</i>	53	<i>Streptopus</i>	639	<i>Syncarpia</i>	431
<i>Stenanthemum</i>	489	<i>Striga</i>	565	<i>Syncolostemon</i>	320
<i>Stenia</i>	724	<i>Strobilanthes</i>	41	<i>Syndesmanthus</i>	255
<i>Stenocactus</i>	106	<i>Stroganowia</i>	228	<i>Syneilesis</i>	196
<i>Stenocarpus</i>	477	<i>Strombosia</i>	437	<i>Syngonanthus</i>	651
<i>Stenocereus</i>	106	<i>Strongylodon</i>	374	<i>Synosma</i>	196
<i>Stenodrepanum</i>	374	<i>Strophanthus</i>	57	<i>Synotis</i>	197
<i>Stenogramma</i>	17	<i>Strotheria</i>	196	<i>Synsepalum</i>	544
<i>Stenogyne</i>	320	<i>Strumaria</i>	619	<i>Synthyris</i>	565
<i>Stenomesson</i>	619	<i>Struthanthus</i>	386	<i>Syntrichopappus</i>	197
<i>Stenorrhynchos</i>	724	<i>Struthiola</i>	582	<i>Syrenia</i>	228
<i>Stenosiphonium</i>	41	<i>Struthiopteris</i>	5	<i>Syringa</i>	439
<i>Stenostephanus</i>	41	<i>Strychnos</i>	385	<i>Syringodea</i>	682
<i>Stenotaenia</i>	595	<i>Stryphnodendron</i>	375	<i>Systeloglossum</i>	724
<i>Stenothyrsus</i>	41	<i>Stuartia</i>	580	<i>Systenotheca</i>	466
<i>Stenotus</i>	196	<i>Stuhlmannia</i>	375	<i>Syzygium</i>	432
<i>Stephanandra</i>	499	<i>Stylapterus</i>	447	<i>Tabebuia</i>	77
<i>Stephania</i>	410	<i>Stylidiaceae</i>	577	<i>Tabernaemontana</i>	57
<i>Stephanomeria</i>	196	<i>Stylidium</i>	577	<i>Tachigali</i>	377
<i>Stephanopodium</i>	232	<i>Stylisma</i>	206	<i>Tacinga</i>	106
<i>Stephanostema</i>	57	<i>Stylocline</i>	196	<i>Tacitus</i>	212
<i>Steptorhamphus</i>	196	<i>Stylogyne</i>	419	<i>Taekholmia</i>	197
<i>Sterculia</i>	577	<i>Stylosanthes</i>	375	<i>Taeniophyllum</i>	724
<i>Sterculiaceae</i>	575	<i>Styphelia</i>	244	<i>Taihangia</i>	499
<i>Sterigmotemum</i>	227	<i>Styracaceae</i>	578	<i>Taiwania</i>	30
<i>Steriphoma</i>	118	<i>Styrax</i>	578	<i>Talauma</i>	388
<i>Sternbergia</i>	619	<i>Suaeda</i>	136	<i>Talbotiella</i>	377
<i>Stevia</i>	196	<i>Suarezia</i>	724	<i>Talinum</i>	468
<i>Steyerbromelia</i>	634	<i>Succisa</i>	235	<i>Talisia</i>	536
<i>Steyermarkia</i>	521	<i>Succisella</i>	235	<i>Tamaricaceae</i>	579
<i>Stictocardia</i>	206	<i>Sucrea</i>	667	<i>Tamarix</i>	579
<i>Stigmaphyllon</i>	391	<i>Suessenguthia</i>	42	<i>Tambourissa</i>	411
<i>Stigmatodactrylus</i>	724	<i>Sullivantia</i>	547	<i>Tanacetum</i>	197
<i>Stilbaceae</i>	577	<i>Sunipia</i>	724	<i>Tangitsinia</i>	724
<i>Stilbocarpa</i>	60	<i>Surianaceae</i>	578	<i>Tanquana</i>	46
<i>Stillingia</i>	277	<i>Sutera</i>	565	<i>Tanulepis</i>	70
<i>Stipa</i>	666	<i>Sventenia</i>	196	<i>Tapetidium</i>	10

<i>Tapinosperma</i>	419	<i>Tetramicra</i>	724	<i>Thornea</i>	299
<i>Tapiphyllum</i>	521	<i>Tetramolopium</i>	198	<i>Thottea</i>	61
<i>Tapirira</i>	49	<i>Tetraneuris</i>	198	<i>Thouinia</i>	536
<i>Tapiscia</i>	575	<i>Tetraperone</i>	198	<i>Thrasva</i>	667
<i>Tapura</i>	233	<i>Tetraplasandra</i>	60	<i>Thraulococcus</i>	536
<i>Taraktogenos</i>	283	<i>Tetrapteris</i>	391	<i>Thrinax</i>	744
<i>Taraxacum</i>	197	<i>Tetralia</i>	647	<i>Thrixspermum</i>	724
<i>Tarena</i>	521	<i>Tetrasiphon</i>	135	<i>Thryptomene</i>	433
<i>Tasmania</i>	605	<i>Tetrastigma</i>	605	<i>Thuja</i>	22
<i>Tauschia</i>	595	<i>Tetrastylidium</i>	437	<i>Thunbergia</i>	42
<i>Taverniera</i>	377	<i>Tetrataxis</i>	387	<i>Thurovia</i>	199
<i>Taxaceae</i>	29	<i>Tetratheca</i>	584	<i>Thurya</i>	131
<i>Taxodiaceae</i>	29	<i>Tetrathyrium</i>	301	<i>Thylachium</i>	118
<i>Taxodium</i>	30	<i>Tetrazygia</i>	405	<i>Thymbra</i>	321
<i>Taxus</i>	29	<i>Tetrazygiopsis</i>	405	<i>Thymelaea</i>	582
<i>Teagueia</i>	724	<i>Teucrium</i>	320	<i>Thymelaeaceae</i>	581
<i>Teclea</i>	529	<i>Thaleropia</i>	433	<i>Thymophylla</i>	199
<i>Tecoma</i>	78	<i>Thalia</i>	688	<i>Thymopsis</i>	199
<i>Tecomnanthe</i>	78	<i>Thalictrum</i>	484	<i>Thymus</i>	321
<i>Tecophilaea</i>	749	<i>Thaminophyllum</i>	198	<i>Thyrsoodium</i>	49
<i>Tecophilaeaceae</i>	749	<i>Thamnea</i>	89	<i>Thyrsopteris</i>	10
<i>Tectaria</i>	11	<i>Thamnocalamus</i>	667	<i>Thysanocarpus</i>	229
<i>Tectaridium</i>	11	<i>Thamnochortus</i>	748	<i>Thysanotus</i>	620
<i>Tectiphiala</i>	744	<i>Thamnosma</i>	530	<i>Tianschaniella</i>	87
<i>Tectona</i>	601	<i>Thayeria</i>	16	<i>Tibouchina</i>	405
<i>Tecunumania</i>	231	<i>Theaceae</i>	579	<i>Tigridia</i>	682
<i>Tegicornia</i>	137	<i>Thecacoris</i>	277	<i>Tilia</i>	583
<i>Teinostachyum</i>	667	<i>Thelasis</i>	724	<i>Tiliaceae</i>	583
<i>Telanthophora</i>	197	<i>Thelesperma</i>	198	<i>Tiliacora</i>	410
<i>Telekia</i>	197	<i>Theligonaceae</i>	581	<i>Tilingia</i>	595
<i>Teline</i>	378	<i>Theligonum</i>	581	<i>Tillandsia</i>	634
<i>Telipogon</i>	724	<i>Thelionema</i>	746	<i>Timonius</i>	522
<i>Telopea</i>	478	<i>Thelocactus</i>	106	<i>Tinguarra</i>	595
<i>Temmodaphne</i>	329	<i>Thelocephala</i>	106	<i>Tinospora</i>	410
<i>Temnopteryx</i>	522	<i>Thelymitra</i>	724	<i>Tipularia</i>	724
<i>Templetonia</i>	378	<i>Thelypodiodopsis</i>	228	<i>Tiquilia</i>	87
<i>Temu</i>	433	<i>Thelypodium</i>	228	<i>Tmesipteris</i>	2
<i>Tenicroa</i>	687	<i>Thelypteridaceae</i>	17	<i>Tococa</i>	405
<i>Tephroseris</i>	197	<i>Thelypteris</i>	17	<i>Tocoyena</i>	522
<i>Tephrosia</i>	378	<i>Themistoclesia</i>	255	<i>Todaroa</i>	595
<i>Tepuia</i>	255	<i>Theobroma</i>	577	<i>Toechima</i>	536
<i>Terminalia</i>	144	<i>Theophrastaceae</i>	581	<i>Tofieldia</i>	688
<i>Ternstroemia</i>	580	<i>Thereianthus</i>	682	<i>Tolpis</i>	199
<i>Tessmannia</i>	379	<i>Therophonum</i>	625	<i>Tolumnia</i>	724
<i>Tessmannianthus</i>	405	<i>Thermopsis</i>	379	<i>Tomanthea</i>	199
<i>Tetraberlinia</i>	379	<i>Thesium</i>	532	<i>Tonestus</i>	199
<i>Tetraclinis</i>	22	<i>Thesmophora</i>	577	<i>Topobea</i>	405
<i>Tetracoccus</i>	277	<i>Thespesia</i>	396	<i>Tordylium</i>	595
<i>Tetradenia</i>	320	<i>Thevetia</i>	57	<i>Torenia</i>	565
<i>Tetradymia</i>	198	<i>Thismia</i>	637	<i>Torilis</i>	595
<i>Tetraena</i>	606	<i>Thlaspi</i>	229	<i>Torreya</i>	29
<i>Tetragastris</i>	91	<i>Thomasia</i>	577	<i>Torreychloa</i>	667
<i>Tetragonia</i>	46	<i>Thomsonia</i>	625	<i>Torularia</i>	229
<i>Tetragonolobus</i>	379	<i>Thoracostachyum</i>	647	<i>Torulium</i>	647
<i>Tetrameranthus</i>	53	<i>Thoreldora</i>	530	<i>Tournefortia</i>	87
<i>Tetramerium</i>	42	<i>Thorella</i>	595	<i>Tournonia</i>	72

<i>Toussaintia</i>	53	<i>Trifolium</i>	379	<i>Tromotriche</i>	70
<i>Tovaria</i>	584	<i>Triglochin</i>	684	<i>Tropaeolaceae</i>	584
<i>Tovariaceae</i>	584	<i>Trigonella</i>	380	<i>Tropaeolum</i>	584
<i>Tovarochloa</i>	667	<i>Trigonia</i>	584	<i>Trophis</i>	414
<i>Tovomita</i>	299	<i>Trigoniaceae</i>	584	<i>Tropidia</i>	725
<i>Tovomitopsis</i>	299	<i>Trigonidium</i>	725	<i>Tropidocarpum</i>	229
<i>Townsendia</i>	199	<i>Trigonobalanus</i>	280	<i>Trybliocalyx</i>	42
<i>Toxocarpus</i>	70	<i>Trigonosciadium</i>	595	<i>Trymalium</i>	489
<i>Tozzia</i>	565	<i>Trigonospora</i>	18	<i>Trymatococcus</i>	414
<i>Trachelium</i>	116	<i>Trigonostemon</i>	277	<i>Tsuga</i>	27
<i>Trachelospermum</i>	57	<i>Trigonotis</i>	87	<i>Tsusiophyllum</i>	255
<i>Trachyandra</i>	626	<i>Trilepidea</i>	386	<i>Tuberaria</i>	143
<i>Trachycalymma</i>	70	<i>Trilliaceae</i>	749	<i>Tuberolabium</i>	725
<i>Trachycarpus</i>	744	<i>Trillium</i>	749	<i>Tubocapsicum</i>	574
<i>Trachymene</i>	595	<i>Trimenia</i>	584	<i>Tucma</i>	683
<i>Trachystoma</i>	229	<i>Trimeniaceae</i>	584	<i>Tuctoria</i>	668
<i>Tracyina</i>	199	<i>Trimeris</i>	116	<i>Tugarinovia</i>	199
<i>Tradescantia</i>	639	<i>Trimezia</i>	682	<i>Tulipa</i>	687
<i>Tragia</i>	277	<i>Trinia</i>	595	<i>Tupeia</i>	386
<i>Tragopogon</i>	199	<i>Triniochloa</i>	667	<i>Tupistra</i>	639
<i>Trapa</i>	584	<i>Triodia</i>	667	<i>Turbina</i>	206
<i>Trapaceae</i>	584	<i>Triolena</i>	405	<i>Turbinicarpus</i>	106
<i>Trattinnickia</i>	91	<i>Triopteris</i>	391	<i>Turnera</i>	585
<i>Tremandraceae</i>	584	<i>Triopterys</i>	391	<i>Turneraceae</i>	585
<i>Trematolobelia</i>	116	<i>Triphora</i>	725	<i>Turpinia</i>	575
<i>Trevoria</i>	724	<i>Triphyophyllum</i>	234	<i>Turraea</i>	409
<i>Trianaeopiper</i>	450	<i>Triphysaria</i>	565	<i>Tuxila</i>	199
<i>Trianoptiles</i>	647	<i>Tripleurospermum</i>	199	<i>Tylecodon</i>	212
<i>Trianthema</i>	46	<i>Triplophyllum</i>	11	<i>Tylophora</i>	70
<i>Triaristella</i>	724	<i>Tripogandra</i>	639	<i>Tynnanthus</i>	78
<i>Trias</i>	725	<i>Tripogon</i>	667	<i>Typhonium</i>	625
<i>Triaspis</i>	391	<i>Tripsacum</i>	668	<i>Uebelinia</i>	131
<i>Tribonanthes</i>	669	<i>Tripterococcus</i>	575	<i>Uebelmannia</i>	107
<i>Tricalysia</i>	522	<i>Tripterosperrum</i>	287	<i>Uechtrizia</i>	199
<i>Triceratella</i>	639	<i>Triscenia</i>	668	<i>Ugni</i>	433
<i>Trichadenia</i>	283	<i>Triscyphus</i>	637	<i>Ulbrichia</i>	396
<i>Trichanthemis</i>	199	<i>Trisetaria</i>	668	<i>Ulex</i>	380
<i>Trichanthodium</i>	199	<i>Trisetella</i>	725	<i>Ulmaceae</i>	585
<i>Trichilia</i>	407	<i>Trisetum</i>	668	<i>Ulmus</i>	585
<i>Trichocentrum</i>	725	<i>Tristania</i>	433	<i>Umbelliferae</i>	585
<i>Trichocereus</i>	106	<i>Tristaniopsis</i>	433	<i>Umbellularia</i>	329
<i>Trichocladus</i>	301	<i>Tristemma</i>	406	<i>Umtiza</i>	380
<i>Trichocline</i>	199	<i>Triteleia</i>	611	<i>Uncaria</i>	522
<i>Trichodesma</i>	87	<i>Trithrinax</i>	744	<i>Uncinia</i>	647
<i>Trichodiadema</i>	46	<i>Triticum</i>	668	<i>Ungeria</i>	577
<i>Trichoglottis</i>	725	<i>Tritonia</i>	682	<i>Ungernia</i>	620
<i>Trichomanes</i>	13	<i>Tritoniopsis</i>	683	<i>Unona</i>	53
<i>Trichopilia</i>	725	<i>Triumfetta</i>	583	<i>Unonopsis</i>	53
<i>Trichosanthes</i>	231	<i>Triunia</i>	478	<i>Urandra</i>	305
<i>Trichoscypha</i>	49	<i>Triuridaceae</i>	749	<i>Urbananthus</i>	199
<i>Trichostema</i>	322	<i>Trivalvaria</i>	53	<i>Urceola</i>	57
<i>Tricostularia</i>	647	<i>Trochetia</i>	577	<i>Urceolina</i>	620
<i>Tricyrtis</i>	639	<i>Trochetiopsis</i>	577	<i>Urelytrum</i>	668
<i>Tridax</i>	199	<i>Trochocarpa</i>	244	<i>Urena</i>	396
<i>Tridentea</i>	70	<i>Troglophyton</i>	199	<i>Urera</i>	597
<i>Tridimeris</i>	53	<i>Trollius</i>	485	<i>Urginea</i>	673

<i>Urmenetea</i>	200	<i>Veronicastrum</i>	569	<i>Watsonia</i>	683
<i>Urocarpidium</i>	396	<i>Verreauxia</i>	295	<i>Weberbauerella</i>	381
<i>Urogentias</i>	287	<i>Verschaffeltia</i>	745	<i>Weberocereus</i>	107
<i>Uromyrtus</i>	433	<i>Verticordia</i>	433	<i>Wedelia</i>	201
<i>Urophyllum</i>	522	<i>Vetiveria</i>	668	<i>Weigela</i>	119
<i>Urospathella</i>	625	<i>Vexatorella</i>	478	<i>Weinmannia</i>	231
<i>Urostachys</i>	2	<i>Viburnum</i>	119	<i>Wellstedia</i>	87
<i>Ursinia</i>	200	<i>Vicia</i>	380	<i>Wendlandia</i>	522
<i>Urnica</i>	597	<i>Victorinia</i>	277	<i>Wendlandiella</i>	745
Urticaceae	595	<i>Vieraea</i>	201	<i>Wercklea</i>	396
<i>Utleria</i>	70	<i>Vigna</i>	381	<i>Werneria</i>	201
<i>Utleya</i>	255	<i>Viguiera</i>	201	<i>Westoniella</i>	201
<i>Utricularia</i>	382	<i>Villarsia</i>	410	<i>Westringia</i>	322
<i>Uvaria</i>	53	<i>Vincetoxicum</i>	70	<i>Wetria</i>	277
<i>Uvari dendron</i>	54	<i>Viola</i>	602	<i>Wettinia</i>	745
<i>Uvariopsis</i>	54	Violaceae	601	<i>White-sloanea</i>	70
<i>Vaccinium</i>	255	<i>Virectaria</i>	522	<i>Whiteochloa</i>	668
<i>Vahlia</i>	598	<i>Virola</i>	415	<i>Whitneya</i>	201
Vahliaceae	598	Viscaceae	603	<i>Whyanbeelia</i>	277
<i>Valantia</i>	522	<i>Viscum</i>	604	<i>Wiborgia</i>	381
<i>Valdivia</i>	258	<i>Vismia</i>	299	<i>Widdringtonia</i>	22
<i>Valeriana</i>	598	<i>Visnea</i>	581	<i>Wiesneria</i>	608
Valerianaceae	598	Vitaceae	604	<i>Wikstroemia</i>	583
<i>Valerianella</i>	598	<i>Vitellaria</i>	544	<i>Wilkesia</i>	201
<i>Vallaris</i>	57	<i>Vitellariopsis</i>	544	<i>Wilkiea</i>	411
<i>Vallesia</i>	57	<i>Vitex</i>	601	<i>Willbleibia</i>	668
<i>Vallisneria</i>	673	<i>Vitis</i>	605	<i>Willdenowia</i>	748
<i>Vanclevea</i>	200	<i>Vittadinia</i>	201	<i>Willisia</i>	456
<i>Vanda</i>	725	<i>Vittaria</i>	18	<i>Willkommia</i>	668
<i>Vanilla</i>	725	Vittariaceae	18	<i>Wimmeria</i>	135
<i>Vantanea</i>	301	<i>Vlokia</i>	46	<i>Winifredia</i>	748
<i>Vaseyanthus</i>	231	<i>Voanioala</i>	745	Winteraceae	605
<i>Vaseyochloa</i>	668	<i>Vochysia</i>	605	<i>Witheringia</i>	574
<i>Vateria</i>	239	Vochysiaceae	605	<i>Witsenia</i>	683
<i>Vateriopsis</i>	239	<i>Volutaria</i>	201	<i>Wodyetia</i>	745
<i>Vatica</i>	239	<i>Votomita</i>	406	<i>Wolffiella</i>	684
<i>Vauquelinia</i>	499	<i>Voyria</i>	287	<i>Wollemia</i>	19
<i>Vavilova</i>	380	<i>Vriesea</i>	636	<i>Woodia</i>	70
<i>Veillonina</i>	744	<i>Vrydagzynea</i>	726	<i>Woodsia</i>	18
<i>Veitchia</i>	744	<i>Vulpia</i>	668	Woodsiaceae	18
<i>Velezia</i>	131	<i>Vvedenskya</i>	595	<i>Wormia</i>	234
<i>Vella</i>	229	<i>Wagenitzia</i>	201	<i>Worsleya</i>	620
<i>Velleia</i>	295	<i>Wahlenbergia</i>	116	<i>Wrightia</i>	57
<i>Vellereophyton</i>	200	<i>Waldsteinia</i>	499	<i>Wrixonia</i>	322
<i>Vellozia</i>	750	<i>Wallenia</i>	419	<i>Wulfenia</i>	569
Velloziaceae	750	<i>Walleria</i>	749	<i>Wulfschlaegelia</i>	726
<i>Ventenata</i>	668	<i>Wallichia</i>	745	<i>Wurmbea</i>	638
<i>Ventilago</i>	489	<i>Walsura</i>	409	<i>Wyethia</i>	201
<i>Vepris</i>	530	<i>Waltheria</i>	577	<i>Xanthocercis</i>	381
<i>Veratrum</i>	689	<i>Warburgia</i>	117	<i>Xanthophyllum</i>	461
<i>Verbascum</i>	565	<i>Warea</i>	229	<i>Xanthophytopsis</i>	522
<i>Verbena</i>	601	<i>Warneckea</i>	406	<i>Xanthorrhoea</i>	750
Verbenaceae	598	<i>Warrea</i>	726	Xanthorrhoeaceae	750
<i>Verbesina</i>	200	<i>Wasabia</i>	229	<i>Xanthosia</i>	595
<i>Vermonia</i>	200	<i>Washingtonia</i>	745	<i>Xanthosoma</i>	625
<i>Veronica</i>	568	<i>Waterhousea</i>	434	<i>Xanthostemon</i>	434

<i>Xantolis</i>	544	Zosteraceae	752
<i>Xantonneopsis</i>	522	<i>Zuckia</i>	137
<i>Xenoscapa</i>	683	<i>Zygogynum</i>	605
<i>Xeronema</i>	746	Zygophyllaceae	606
<i>Xerophyta</i>	750	<i>Zygophyllum</i>	606
<i>Xerothamnella</i>	42		
<i>Ximenia</i>	437		
<i>Xiphidium</i>	669		
<i>Xiphopteris</i>	13		
<i>Xiphotheca</i>	381		
<i>Xylobium</i>	726		
<i>Xylocalyx</i>	569		
<i>Xylococcus</i>	256		
<i>Xylopia</i>	54		
<i>Xylopiastrum</i>	54		
<i>Xylorhiza</i>	201		
<i>Xylosma</i>	283		
<i>Xylotheca</i>	284		
Xyridaceae	750		
<i>Xyris</i>	750		
<i>Xysmalobium</i>	70		
<i>Yeatesia</i>	42		
<i>Yoania</i>	726		
<i>Youngia</i>	202		
<i>Yucca</i>	607		
<i>Yunquea</i>	202		
<i>Zaluzania</i>	202		
<i>Zamia</i>	33		
Zamiaceae	30		
<i>Zannichellia</i>	750		
Zannichelliaceae	750		
<i>Zanonia</i>	231		
<i>Zantedeschia</i>	625		
<i>Zanthoxylum</i>	530		
<i>Zea</i>	668		
<i>Zelkova</i>	585		
<i>Zenkerella</i>	381		
<i>Zephyranthes</i>	620		
<i>Zeravschania</i>	595		
<i>Zetagyne</i>	726		
<i>Zeugites</i>	668		
<i>Zeuktophyllum</i>	46		
<i>Zeuxine</i>	726		
<i>Zeylanidium</i>	456		
<i>Zieria</i>	530		
<i>Zigadenus</i>	689		
<i>Zimmermannia</i>	277		
<i>Zingeria</i>	668		
<i>Zingiber</i>	752		
Zingiberaceae	751		
<i>Zinnia</i>	202		
<i>Zinowiewia</i>	135		
<i>Zizania</i>	668		
<i>Ziziphora</i>	322		
<i>Ziziphus</i>	489		
<i>Zornia</i>	381		









## IUCN/Species Survival Commission

The Species Survival Commission (SSC) is one of six volunteer commissions of IUCN. The World Conservation Union, a group of sovereign states, government agencies, and other governmental organizations, (IUCN) has three basic conservation objectives: "to secure the conservation of nature, and especially of biological diversity, as an essential foundation for the future; to ensure that where the earth's natural resources are used this is done in a wise, equitable and sustainable way; and to guide the development of human communities towards ways of life that are built of good quality and in enduring harmony with other components of the biosphere."

The SSC's mission is to conserve biological diversity by developing and executing long-term plans to save, restore and wisely manage species and their habitats. A volunteer network comprised of nearly 7,000 scientists, field researchers, government officials and conservation leaders from 140 countries, the SSC membership is an unrivalled source of information about biological diversity and its conservation. As such, SSC members provide technical and scientific counsel for conservation projects throughout the world and serve as resources for governments, international conventions, and conservation organizations.

The wealth of data provided by SSC's volunteers presents its own challenges in terms of information systems. SSC's data management partner, the World Conservation Monitoring Centre, provides the necessary technical support, including the compilation of Red Lists.

The Red Data Book's concept was originated by a former SSC Chair, the late Sir Peter Scott, in the mid-1960s. Red Data Books are catalogues of information on species threatened with extinction, and they aim to focus attention on the plight of the earth's vanishing wildlife. The concept has been outstandingly successful and, three decades later, many national, regional and global Red Data Books have been published. Many more countries are in the process of compiling their own lists of threatened species.

The demand for a simple international list that addresses the status of globally threatened taxa is growing, partly as a result of the increasing number of international conventions. It was to meet this need that the first IUCN Plant Red Data Book was published in 1978. This second, greatly expanded edition will pave the way for official updates.

Although the length of the Red List is growing, the information presented is of fundamental value to scientists, managers, and conservationists responsible for the health and well-being of our environment.