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DISTRIBUTION
of
Plant-Parasitic Nematodes
Associated with Forest Trees of the World

by

John L. Ruehle, Plant Nematologist



*Southeastern Forest Experiment Station
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*Forest Service
U.S. Department of Agriculture*

May 1967

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INTRODUCTION

It was not until the late 1800's, more than a hundred years after Needham first recognized a plant-parasitic nematode, that parasitic nematodes were reported associated with the roots of trees. Nematodes have been of concern in agriculture, particularly since World War II, but there have been few studies of nematodes as pathogens of forest trees, except for some isolated cases involving damage to seedlings in nurseries. We are now becoming aware of the widespread prevalence of plant-parasitic nematodes in forests, and we are beginning to recognize the injury they can cause. To gain a better perspective of nematodes in forestry, an attempt was made here to assemble, from the literature, a compilation listing the worldwide distribution of forest nematodes.

Reference lists of nematode-host associations are useful for several reasons. Natural affinities of certain nematodes for selected types of hosts are revealed. Because of host specificity in certain cases, close correlations in geographical distribution between nematode and hosts can more easily be seen. Several excellent reference lists have been compiled on plants; for example, "The Nematode Parasites of Plants Catalogued Under Their Hosts," by T. Goodey (63). No such list, however, has yet been assembled for nematodes and forest trees. A few lists that include trees are quite



Mature female of the pine cystoid nematode, genus Meloidodera. Ovoid or pear-shape is typical of this type, which damages pine tree roots.

restricted to certain geographic regions. Other lists that include nematode-tree associations fail to include geographic distribution. To further the development of a research program in forest nematology, I felt that it was necessary to compile a current and rather complete geographical list of plant-parasitic nematodes associated with forest trees.

During the development of nematode taxonomy, numerous synonyms have resulted. In such cases, the synonyms in cited articles have been resolved to a single name in the compilation. Tarjan's Check List (210) was used in the cross-indexing of all species erected prior to 1960. Species named or synonymized since 1960 were checked in current taxonomic works in the literature. For scientific tree nomenclature, Little's Check List (99) was used for all species found in the United States. Foreign species were checked for proper listing in Index

Kewensis (78) and Krüssman's Handbuch der Laubgehölze (94). For tree species that have been cultivated, Bailey's Cyclopaedia of Horticulture (13) was used.

This compilation is divided into two sections. Section 1 lists the distribution of nematodes commonly recognized as plant parasites, along with the tree species with which they are associated. Certain groups of trees such as Citrus spp., and horticultural species of peach, cherry, pear, apple, and plum have been omitted. Considerable nematological work has been done on such species, and literature reviews can be found in current horticultural literature. Some exception may be taken to the inclusion of certain small exotic trees and shrub-size plants within genera made up largely of trees. Because these plants are occasionally grown in forest tree nurseries, however, they were included.

The Latin names of the nematodes are given alphabetically as center headings. Common names were not included because of their lack of universality. The Latin names of each tree host are listed alphabetically under each nematode. The geographic location of each nematode-tree association is listed by country and, when possible, by state in the United States. When a publication implied root damage for a given nematode-tree association, the geographical location was placed in the column entitled

"Associated with plant injury." For all other associations, the geographical location was listed under "Found, but not yet associated with injury."

Section 2 is included as a convenient cross reference for the material in Section 1. The tree species with all nematodes associated for each are listed in alphabetical order.

Only nematodes of known or of suspected importance in agriculture are included in this list. Stylet-bearing nematodes belonging to the genera Aphe-
lenchus, Dorylaimus, Tylen-
chus, and other closely related forms currently not considered of great economic importance were not included. After we learn more about the effect nematodes have on fungus symbionts in the mycorrhizal structures of forest trees, it may be desirable to include these so-called "fungus feeders" in future revisions.

The literature cited in this compilation does not represent a bibliography of forest nematology literature; it contains references relevant only to the records of host and parasites cited. Only the most readily available record in each case, not necessarily the earliest record, was selected for the sake of convenience and brevity.

In a few instances, nematode-host relations were reported from experimental greenhouse studies. Because of their potential importance, such reports were included, and an asterisk (*) was placed by the listed country.

Section 1. Distribution by states or country of plant-parasitic nematodes associated with forest trees

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Aphasmatylenchus nigeriensis</u> Sher, 1965			
180	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
180	<u>Theobroma cacao</u> L.		Nigeria
<u>Aphelenchoides</u> Fischer, 1894			
112	<u>Abies concolor</u> (Gord. & Glend.) Lindl.		Pa.
117	<u>Abies homolepis</u> (Sieb. & Zucc.)		Japan
116	<u>Abies sachalinensis</u> Mast.		Japan
112	<u>Acer</u> sp.		Mass., Md., R.I.
112	<u>Acer negundo</u> L.		Mass.
28	<u>Cariniana</u> sp.		Brazil
112	<u>Chamaecyparis</u> sp.		N.J.
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
109	<u>Chichona ledgeriana</u> Moens.		Cote-d'Ivoire
161	<u>Cocos nucifera</u> L.		Guam
112	<u>Cornus</u> sp.		R.I.
67	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
122	<u>Cupressus</u> sp.		S. Rhodesia
165	<u>Fraxinus americana</u> L.		N.Y.
112	<u>Liriodendron</u> sp.		N.J.
112	<u>Picea</u> sp.		N.J.
112	<u>Picea abies</u> (L.) Karst.		R.I.
112	<u>Picea glauca</u> (Moench) Voss		R.I.
92, 112	<u>Picea pungens</u> Engelm.		(92) Mich.; (112) Pa.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Aphelenchoides Fischer, 1894, (cont'd.)</u>			
112, 150, 235	<u>Pinus</u> sp.	(235) U.S.S.R.	(112) W. Va.; (150) Me.
113	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		Miss.
112, 204	<u>Pinus resinosa</u> Ait.		(112) Mass.; (204) W. Va.
112	<u>Pinus strobus</u> L.		Pa., R.I.
112	<u>Pinus virginiana</u> Mill.		Md.
112	<u>Quercus palustris</u> Muenchh.		Mass., R.I.
112	<u>Salix</u> sp.		Mass., N.J.
112	<u>Taxus</u> sp.		Md.
112	<u>Tsuga</u> sp.		N.J.
<u>Aphelenchoides besseyi Christie, 1942</u>			
119	<u>Ficus elastica</u> Nois.	Fla.	
<u>Aphelenchoides fragariae (Ritzema Bos, 1890) Christie, 1932</u>			
111	<u>Ficus bengalensis</u> L.	Belgium	
111	<u>Ficus elastica</u> Nois.	Belgium	
111	<u>Ficus religiosa</u> L.	Belgium	
111	<u>Ficus rubiginosa</u> Desf.	Belgium	
41	<u>Pinus palustris</u> Mill.	U.S.A.	
41	<u>Ulmus</u> sp.	U.S.A.	
<u>Aphelenchoides limberi Steiner, 1936</u>			
197	<u>Ulmus</u> sp.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Bakernema bakeri</u> (Wu, 1964) Wu, 1964		
228	<u>Acer saccharum</u> Marsh.		Canada
	<u>Bakernema variabile</u> Raski & Golden, 1966		
158	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Belonolaimus</u> Steiner, 1949		
11, 72	<u>Pinus</u> sp.		(11) Ga.; (72) Fla.
11	<u>Quercus</u> sp.		Va.
11	<u>Taxus</u> sp.		Va.
	<u>Belonolaimus euthychilus</u> Rau, 1963		
160	<u>Carya cordiformis</u> (Wangenh.) K. Koch		Fla.
160	<u>Pinus clausa</u> (Chapm.) Vasey		Fla.
160	<u>Pinus elliotii</u> var. <u>densa</u> Little & Dorman		Fla.
160	<u>Pinus palustris</u> Mill.		Fla., S.C.
160	<u>Quercus laevis</u> Walt.		Fla.
160	<u>Quercus nigra</u> L.		Fla.
	<u>Belonolaimus gracilis</u> Steiner, 1949		
71	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm. (Syn.- <u>P. cubensis</u>)	Fla.	
168, 198	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.	(198) Ga., Fla.	(168) N.C.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Belonolaimus gracilis</u> Steiner, 1949, (cont'd.)			
198	<u>Pinus palustris</u> Mill.	Fla., Ga.	
168	<u>Pinus taeda</u> L.		N.C.
<u>Belonolaimus longicaudatus</u> Rau, 1958			
159	<u>Cornus florida</u> L.		Fla.
159	<u>Magnolia virginiana</u> L.		Fla.
<u>Bursaphelenchus gonzalezi</u> Loof, 1964			
101	<u>Prunus</u> sp.		Venezuela
<u>Cacopaurus pestis</u> Thorne, 1943			
217	<u>Juglans regia</u> L.	Cal.	
<u>Criconema</u> Hofmanner & Menzel, 1914			
165	<u>Fraxinus americana</u> L.		N.Y.
112	<u>Liquidambar styraciflua</u> L.		Md.
11	<u>Pinus</u> sp.		La.
138	<u>Pinus monticola</u> Dougl.		Ida.
112	<u>Taxus</u> sp.		Md.
<u>Criconema celetum</u> Wu, 1960			
191	<u>Pinus excelsa</u> Wall.		India
101	<u>Prunus</u> sp.		Venezuela
<u>Criconema elegantula</u> Gunhold, 1953			
66	<u>Sorbus</u> sp.		Austria

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Criconema fimbriatum</u> Cobb in Taylor, 1936			
195	<u>Acer rubrum</u> L.		N.J.
164	<u>Acer saccharum</u> Marsh.		Wisc.
216	<u>Castanea dentata</u> (Marsh.) Borkh.		Va.
195	<u>Ilex opaca</u> Ait.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
195, 216	<u>Quercus palustris</u> Muenchh.		(195) N.J.; (216) Va.
195	<u>Quercus prinus</u> L.		N.J.
<u>Criconema inaequale</u> Taylor, 1936			
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Kalmia latifolia</u> L.		N.J.
195	<u>Viburnum prunifolium</u> L.		N.J.
<u>Criconema mangiferum</u> Edward & Misra, 1963			
46	<u>Mangifera indica</u> L.		India
<u>Criconema menzeli</u> (Stefanski, 1924) Taylor, 1936			
10	<u>Picea glauca</u> (Moench) Voss		Canada
10	<u>Ulmus</u> sp.		Canada
<u>Criconema octangulare</u> (Cobb, 1914) Taylor, 1936			
163	<u>Acer saccharum</u> Marsh.		Wisc.
195	<u>Quercus rubra</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconema palmatum</u> Siddiqi & Southey, 1962		
50	<u>Acer oblongum</u> Wall.		India
	<u>Criconema seymouri</u> Wu, 1965		
230	<u>Thuja plicata</u> Donn		Canada
	<u>Criconema squamosum</u> (Cobb, 1913) Taylor, 1936		
34	<u>Mangifera indica</u> L.		India
	<u>Criconema taylori</u> Jairajpuri, 1964		
84	<u>Artocarpus integrifolia</u> L.		India
	<u>Criconema tenuicaudatum</u> Siddiqi, 1961		
50	<u>Juniperus macropoda</u> Boiss.		India
50	<u>Magnolia grandiflora</u> L.		India
	<u>Criconema vishwanathum</u> Edward & Misra, 1965		
50	<u>Juniperus macropoda</u> Boiss.		India
	<u>Criconemoides</u> Taylor, 1936		
112, 237	<u>Acer</u> sp.		(112) N.J.; (237) Mass.
112	<u>Acer negundo</u> L.		Mass.
117	<u>Betula</u> sp.		Japan
10	<u>Betula papyrifera</u> Marsh.		Canada
224	<u>Cocos nucifera</u> L.		Fla.
67	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
93	<u>Eucalyptus</u> sp.		Peru
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
130	<u>Ficus nitida</u> Thunb. & Hort.		Israel

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Criconemoides</u> Taylor, 1936 (cont'd.)			
165	<u>Fraxinus americana</u> L.		N.Y.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
112	<u>Liquidambar styraciflua</u> L.		Md.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
201	<u>Myrica cerifera</u> L.		Fla.
130	<u>Persea gratissima</u> Gaertn.		Israel
112	<u>Picea</u> sp.		N.Y., Pa.
112	<u>Picea abies</u> (L.) Karst.		Md.
117	<u>Picea excelsa</u> Link		Japan
112	<u>Picea glauca</u> (Moench) Voss		R.I.
92, 112	<u>Picea pungens</u> Engelm.		(92) Mich.; (112) Pa.
1, 11, 72, 93	<u>Pinus</u> sp.		(1) S.C.; (11) Ala., Ark., Ga., La.; (72) Fla., N.C.; (93) Peru
10	<u>Pinus banksiana</u> Lamb.		Canada
67, 116	<u>Pinus densiflora</u> Sieb. & Zucc.	(67) Japan	(116) Japan
112, 167	<u>Pinus echinata</u> Mill.		(112) Md.; (167) Ga., Ken., N.C., Va., S.C., Tenn.
167	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		Ga., N.C., S.C.
138	<u>Pinus monticola</u> Dougl.		Ida.
167	<u>Pinus palustris</u> Mill.		Ga., N.C., S.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Criconemoides</u> Taylor, 1936 (cont'd.)			
117	<u>Pinus resinosa</u> Ait.		Japan
112, 167	<u>Pinus strobus</u> L.		(112) N.J.; (167) Ga., N.C., Tenn., Va.
167	<u>Pinus taeda</u> L.		Ga., N.C., S.C., Va.
67	<u>Pinus thunbergii</u> Parl.	Japan	
167	<u>Pinus virginiana</u> Mill.		Ga., N.C., S.C., Va.
11, 206	<u>Quercus</u> sp.	(11) Ala.	(206) Del.
112	<u>Quercus alba</u> L.		Pa.
11	<u>Quercus stellata</u> Wangenh.		Tex.
112	<u>Taxus</u> sp.		N.J.
109	<u>Theobroma cacao</u> L.		Cote-d'Ivoire
195	<u>Tilia europaea</u> L.		N.J.
112	<u>Tsuga</u> sp.		Pa.
206	<u>Ulmus</u> sp.		Wash. D.C.
<u>Criconemoides annulatum</u> Cobb in Taylor, 1936 (Syn.= <u>C. rotundicaudatus</u> Wu, 1965 and <u>C. hemisphaericaudatus</u> Wu, 1965)			
229	<u>Abies lasiocarpa</u> (Hook.) Nutt.		Canada
229	<u>Acer glabrum</u> Torr.		Canada
158	<u>Arctostaphylos</u> sp.		Cal.
158	<u>Arctostaphylos patula</u> Greene		Cal.
229	<u>Picea engelmanni</u> Parry		Canada

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides annulatum</u> Cobb in Taylor, 1936 (cont'd.)		
229	<u>Picea glauca</u> (Moench) Voss		Canada
229	<u>Pinus contorta</u> Dougl.		Canada
229	<u>Populus balsamifera</u> L.		Canada
229	<u>Populus tremuloides</u> Michx.		Canada
229	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		Canada
216	<u>Quercus ilicifolia</u> Wangenh.		Mont.
229	<u>Salix arctica</u> Pall.		Canada
229	<u>Tsuga heterophylla</u> (Raf.) Sarg.		Canada
	<u>Criconemoides annulifer</u> (deMan, 1921) Taylor, 1936		
158	<u>Alnus</u> sp.		Netherlands
158	<u>Populus</u> sp.		Netherlands
	<u>Criconemoides antipolitanum</u> deGuiran, 1963		
65	<u>Cupressus sempervirens</u> L.		Cote-d'Ivoire
	<u>Criconemoides bakeri</u> Wu, 1965		
229	<u>Thuja occidentalis</u> L.		Canada
	<u>Criconemoides beljaevae</u> (Kirjanova, 1948) Raski, 1958 (Syn.= <u>C. xenoplax</u> Raski, 1952, <u>sensu</u> Tarjan, 1966)		
8	<u>Acer</u> sp.		Canada
195	<u>Acer rubrum</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides beljaevae</u> (Kirjanova, 1948) Raski, 1958 (cont'd.)		
195	<u>Acer saccharinum</u> L.		N.J.
164, 195	<u>Acer saccharum</u> Marsh.	(164) Wisc.	(195) N.J.
195	<u>Betula populifolia</u> Marsh.		N.J.
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.
195	<u>Cedrus deodara</u> (Roxb.) Loud.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
195	<u>Kalmia latifolia</u> L.		N.J.
195	<u>Liquidambar styraciflua</u> L.		N.J.
195	<u>Morus alba</u> L.		N.J.
51	<u>Picea glauca</u> var. <u>glauca</u> (Moench) Voss	Wisc.	
51	<u>Picea pungens</u> Engelm.	Wisc.	
153	<u>Pinus</u> sp.		Colo.
195	<u>Pinus rigida</u> Mill.		N.J.
195	<u>Pinus strobus</u> L.		N.J.
195	<u>Pinus thunbergii</u> Parl.		N.J.
112	<u>Pinus virginiana</u> Mill.		Md.
195	<u>Prunus serotina</u> Ehrh.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus marilandica</u> Muenchh.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides beljaevae</u> (Kirjanova, 1948) Raski, 1958 (cont'd.)		
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Quercus velutina</u> Lam.		N.J.
10	<u>Ulmus</u> sp.		Canada
9	<u>Ulmus americana</u> L.		Canada
	<u>Criconemoides californicum</u> Diab & Jenkins, 1966		
43	<u>Umbellularia</u> sp.		Cal.
	<u>Criconemoides complexus</u> Jairajpuri, 1964		
83	<u>Cedrus deodara</u> (Roxb.) Loud.		India
	<u>Criconemoides crotaloides</u> (Cobb, 1924) Taylor, 1936		
158	<u>Arctostaphylos</u> sp.		Cal.
158	<u>Arctostaphylos manzanita</u> Parry		Cal.
158	<u>Picea</u> sp.		Colo.
158	<u>Pinus attenuata</u> Lemm.		Cal.
216	<u>Populus tremuloides</u> Michx.		Ut.
216	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		Ut.
158	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Criconemoides curvatum</u> Raski, 1952		
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Fraxinus pensylvanica</u> Marsh.		N.J.
195	<u>Hibiscus syriacus</u> L.		N.J.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Picea pungens</u> Engelm.		N.J.
72	<u>Pinus</u> sp.		Ga.
195	<u>Prunus americana</u> Marsh.		N.J.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
195	<u>Taxus cuspidata</u> Sieb. & Zucc.		N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
	<u>Criconemoides cylindricum</u> Raski, 1952 (<u>species inquirendae</u> by Tarjan, 1966)		
112	<u>Picea glauca</u> (Moench) Voss		N.J.
72	<u>Pinus</u> sp.		Ga., Fla., La., Miss.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides demani</u> (Micoletzky, 1925) Taylor, 1936 (<u>species inquirendae</u> by Tarjan, 1966)		
10	<u>Betula papyrifera</u> Marsh.		Canada
	<u>Criconemoides discolabium</u> Diab & Jenkins, 1966		
43	<u>Cocos nucifera</u> L.		Philippines
	<u>Criconemoides incrassatus</u> Raski & Golden, 1966		
158	<u>Acer</u> sp.		Ut.
	<u>Criconemoides informe</u> (Micoletzky, 1922) Taylor, 1936		
164	<u>Acer saccharum</u> Marsh.	Wisc.	
153	<u>Populus tremuloides</u> Michx.		Colo.
	<u>Criconemoides irregulare</u> deGrisse, 1964		
158	<u>Abies</u> sp.		Germany
158	<u>Pinus nigra</u> var. <u>austriaca</u> (Hoess) Aschers & Graebn.		Italy
158	<u>Pinus sylvestris</u> L.		Italy
158	<u>Quercus pedunculata</u> Ehrh.		Italy
158	<u>Quercus sessilis</u> Ehrh.		Italy
	<u>Criconemoides kirjanovae</u> Andrassy, 1962		
191	<u>Cocos nucifera</u> L.		India
	<u>Criconemoides kovacsi</u> Andrassy, 1963		
158	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides lamellatus</u> Raski & Golden, 1966		
158	<u>Quercus</u> sp.		Fla.
	<u>Criconemoides limitaneum</u> (Luc, 1959) Luc, 1959 (Syn.= <u>Criconema limitaneum</u> Luc, 1959)		
109	<u>Cinchona ledgeriana</u> Moens		Cote-d'Ivoire
106	<u>Cinchona succirubra</u> Pav.		Cote-d'Ivoire
109	<u>Theobroma cacao</u> L.		Cote-d'Ivoire
	<u>Criconemoides lobatum</u> Raski, 1952		
10	<u>Abies balsamea</u> (L.) Mill.		Canada
195	<u>Pinus strobus</u> L.		N.J.
10	<u>Taxus canadensis</u> Marsh.		Canada
	<u>Criconemoides longula</u> (Gunhold, 1953) Oostenbrink, 1960 (Syn.= <u>Criconema longula</u> Gunhold, 1953)		
66	<u>Sorbus</u> sp.		Austria
	<u>Criconemoides macrodorum</u> Taylor, 1936 (Syn.= <u>C. juniperi</u> Edward & Misra, 1964)		
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Acer saccharum</u> Marsh.		N.J.
158	<u>Arctostaphylos manzanita</u> Parry		Cal.
195	<u>Betula lenta</u> L.		N.J.
195	<u>Betula populifolia</u> Marsh.		N.J.
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides macrodorum</u> Taylor, 1936 (cont'd.)		
195	<u>Cornus florida</u> L.		N.J.
158	<u>Cupressus</u> sp.		Cal.
158	<u>Fagus</u> sp.		Netherlands
195	<u>Fagus grandifolia</u> Ehrh.		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
195	<u>Ilex opaca</u> Ait.		N.J.
48	<u>Juniperus macropoda</u> Boiss.		India
195	<u>Kalmia latifolia</u> L.		N.J.
140	<u>Picea pungens</u> Engelm.		Ia.
158	<u>Pinus</u> sp.		N.J., Cal.
195	<u>Pinus rigida</u> Mill.		N.J.
112	<u>Pinus virginiana</u> Mill.		Md.
195	<u>Prunus virginiana</u> L.		N.J.
158	<u>Quercus</u> sp.		Cal., Mich., Md., Tenn., Netherlands
195	<u>Quercus alba</u> L.		N.J.
195	<u>Quercus coccinea</u> Muenchh.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus prinus</u> L.		N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Sassafras albidum</u> (Nutt.) Nees		N.J.
158	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
195	<u>Viburnum prunifolium</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides mutabilis</u> Taylor, 1936 (Syn. = <u>C. magnoliae</u> Edward & Misra, 1964)		
158	<u>Cotoneaster</u> sp.		England
48	<u>Magnolia grandiflora</u> L.		India
158	<u>Persea americana</u> Mill.		Cal.
158	<u>Phoenix dactylifera</u> L.		Kenya
112	<u>Picea abies</u> (L.) Karst.		R.I.
158	<u>Populus</u> sp.		Cal.
	<u>Criconemoides microserratus</u> Raski & Golden, 1966		
158	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Criconemoides onoense</u> Luc, 1959		
158	<u>Theobroma cacao</u> L.		Peru
	<u>Criconemoides ornatum</u> Raski, 1958		
11	<u>Pinus</u> sp.		Ala.
201	<u>Serenoa repens</u> (Bartr.) Small		Fla.
	<u>Criconemoides parvum</u> Raski, 1952		
153	<u>Artemisia</u> sp.		Nev.
	<u>Criconemoides petasus</u> Wu, 1965		
229	<u>Fagus grandifolia</u> Ehrh.		Canada
	<u>Criconemoides quasidemani</u> Wu, 1965		
229	<u>Betula papyrifera</u> Marsh.		Canada

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Criconemoides ravidus</u> Raski & Golden, 1966		
158	<u>Picea</u> sp.		Colo.
158	<u>Quercus</u> sp.		Ga.
	<u>Criconemoides rusticum</u> (Micoletzky, 1915) Taylor, 1936 (<u>species inquirendae</u> by Tarjan, 1966)		
81	<u>Pinus echinata</u> Mill.	Ga.	
	<u>Criconemoides sphaerocephalum</u> Taylor, 1936 (Syn.= <u>C. citri</u> Steiner, 1949)		
185	<u>Mangifera indica</u> L.		India
138	<u>Pinus monticola</u> Dougl.		Ida.
	<u>Criconemoides sphagni</u> (Micoletzky, 1925) Taylor, 1936		
164	<u>Acer saccharum</u> Marsh.	Wisc.	
	<u>Criconemoides teres</u> Raski, 1952		
153	<u>Quercus</u> sp.		Cal.
	<u>Criconemoides tribulis</u> Raski & Golden, 1966		
158	<u>Fagus</u> sp.		Netherlands
158	<u>Quercus</u> sp.		Netherlands
	<u>Ditylenchus</u> Filipjev, 1934		
117	<u>Abies homolepis</u> Sieb. & Zucc.		Japan
116	<u>Abies sachalinensis</u> Mast.		Japan
122	<u>Acacia mollissima</u> Willd.		S. Rhodesia

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Ditylenchus Filipjev, 1934 (cont'd.)</u>			
112, 237	<u>Acer</u> sp.		(112) Md.; (237) Mass.
112	<u>Acer negundo</u> L.		Mass.
112	<u>Chamaecyparis</u> sp.		N.J.
122	<u>Cupressus</u> sp.		S. Rhodesia
165	<u>Fraxinus americana</u> L.		N.Y.
112	<u>Picea</u> sp.		N.J.
226	<u>Picea abies</u> (L.) Karst.	Germany	
226	<u>Picea omorika</u> (Pancic) Purkyne	Germany	
226	<u>Picea sitchensis</u> (Bong.) Carr.	Germany	
72, 112, 237	<u>Pinus</u> sp.		(72) Ala., Fla., Ga., La., Miss., N.C., S.C.; (112) N.J., Md.; (237) Mass.
113	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		Miss.
204	<u>Pinus resinosa</u> Ait.		W. Va.
112	<u>Pinus rigida</u> Mill.		N.J., Mass.
112	<u>Pinus strobus</u> L.		Pa., R.I.
112	<u>Pinus sylvestris</u> L.		Pa.
112	<u>Pinus virginiana</u> Mill.		Md.
112	<u>Quercus palustris</u> Muenchh.		R.I.
112	<u>Taxus</u> sp.		N.J., Pa.
76, 112	<u>Tsuga</u> sp.		(76) N.J.; (112) R.I.
206	<u>Ulmus</u> sp.		Wash. D.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Ditylenchus dendrophilus</u> (Marcinowski, 1909) Filipjev & Schur. Stek., 1941 (Syn.= <u>Pratylenchus dendrophilus</u> (Marcinowski, 1909) Filipjev, 1936)		
27	<u>Swietenia mahagoni</u> Jacq.		U.S.A.
	<u>Ditylenchus nanus</u> Siddiqi, 1963		
190	<u>Psidium guajava</u> L.		India
	<u>Ditylenchus sycobius</u> (Cotte, 1920) Filipjev, 1936		
42	<u>Ficus</u> sp.		U.S.A.
	<u>Dolichodorus</u> Cobb, 1914		
11, 72	<u>Pinus</u> sp.	(11) N.C.	(72) Fla.
168	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		N.C.
168	<u>Pinus taeda</u> L.		N.C.
171	<u>Swietenia</u> sp.		Peru
	<u>Dolichodorus profundus</u> Luc, 1960		
107	<u>Cocos nucifera</u> L.		Togo
	<u>Dolichodorus silvestris</u> Gillespie & Adams, 1962		
57, 86	<u>Pinus strobus</u> L.	(86) U.S.A.*	(57) W. Va.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Gracilacus aciculus</u> (Brown, 1959) Raski, 1962		
76	<u>Acer</u> sp.		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Magnolia stellata</u> (Sieb. & Zucc.) Maxim.		N.J.
156	<u>Pinus virginiana</u> Mill.		Md.
	<u>Gracilacus anceps</u> (Cobb, 1923) Raski, 1962 (Syn.= <u>Paratylenchus anceps</u> Cobb, 1923)		
156	<u>Platanus racemosa</u> Nutt.		Cal.
35	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Gracilacus audriellus</u> (Brown, 1959) Raski, 1962 (Syn.= <u>Paratylenchus audriellus</u> Brown, 1959)		
195	<u>Acer rubrum</u> L.		N.J.
164	<u>Acer saccharum</u> Marsh.		Wisc.
24	<u>Betula papyrifera</u> Marsh.		Canada
195	<u>Betula populifolia</u> Marsh.		N.J.
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.
195	<u>Castanea mollissima</u> Blume		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
24, 195	<u>Fagus grandifolia</u> Ehrh.		(24) Canada; (195) N.J.
195	<u>Fraxinus americana</u> L.		N.J.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Gracilacus audriellus</u> (Brown, 1959) Raski, 1962 (cont'd.)		
24	<u>Populus tremuloides</u> Michx.		Canada
24	<u>Prunus pensylvanica</u> L.		Canada
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus alba</u> L.		N.J.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Rhododendron maximum</u> L.		N.J.
195	<u>Ulmus americanum</u> L.		N.J.
195	<u>Viburnum prunifolium</u> L.		N.J.
	<u>Gracilacus capitatus</u> Adams & Eichen., 1962		
2	<u>Quercus coccinea</u> Muenchh.		W. Va.
	<u>Gracilacus elegans</u> Raski, 1962		
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Liquidambar styraciflua</u> L.		N.J.
156	<u>Magnolia</u> sp.		Fla.
	<u>Gracilacus epacris</u> (Allen & Jensen, 1950) Raski, 1962 (Syn.= <u>Cacopaurus epacris</u> Allen & Jensen, 1950)		
156	<u>Juglans hindsii</u> Jeps.	Cal.	

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Gracilacus intermedius</u> Raski, 1962		
156	<u>Cupressus macrocarpa</u> Hartw.		Cal.
156	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Gracilacus marylandicus</u> (Jenkins, 1960) Raski, 1962		
85	<u>Pinus virginiana</u> Mill.		Md.
	<u>Gracilacus sarissus</u> (Tarjan, 1960) Raski, 1962		
156	<u>Artemisia</u> sp.		Cal.
209	<u>Betula papyrifera</u> Marsh.		Me.
209	<u>Betula populifolia</u> Marsh.		N.H.
156	<u>Quercus</u> sp.		Cal.
156	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Gracilacus steineri</u> (Golden, 1961) Raski, 1962 (Syn.= <u>Paratylenchus steineri</u> Golden, 1961)		
60	<u>Sorbus X hybrida</u> L.		U.S.S.R.
	<u>Helicotylenchus</u> Steiner, 1945		
67, 122	<u>Acacia mollissima</u> Willd.		(67) Japan; (122) S. Rhodesia
112	<u>Acer</u> sp.		Md.
195	<u>Acer rubrum</u> L.		N.J.
112	<u>Albizia</u> sp.		Md.
28	<u>Cariniana</u> sp.		Brazil

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Helicotylenchus</u> Steiner, 1945 (cont'd.)			
211	<u>Casuarina</u> sp.		U.A.R. (Egypt)
224	<u>Cocos nucifera</u> L.		Fla., Jamaica B.W.I.
195	<u>Cornus florida</u> L.		N.J.
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
67	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
165	<u>Fraxinus americana</u> L.		N.Y.
195	<u>Ilex opaca</u> Ait.		N.J.
195	<u>Juniperus</u> sp.		N.J.
112	<u>Liquidambar styraciflua</u> L.		Md.
11	<u>Magnolia grandiflora</u> L.		Va.
130, 145	<u>Mangifera indica</u> L.		(130) Israel; (145) U.A.R. (Egypt)
122	<u>Neowashingtonia</u> sp.		S. Rhodesia
112	<u>Picea</u> sp.		N.Y.
92, 112	<u>Picea pungens</u> Engelm.		(92) Mich.; (112) Pa.
72, 74, 112	<u>Pinus</u> sp.		(72) Fla., Miss., N.C.; (74) Ala.; (112) Md.
117	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
11	<u>Pinus echinata</u> Mill.		La.
168	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.		N.C.
138	<u>Pinus monticola</u> Dougl.		Ida.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Helicotylenchus Steiner, 1945 (cont'd.)</u>			
112	<u>Pinus strobus</u> L.		N.Y., Pa.
112	<u>Pinus sylvestris</u> L.		Pa.
11, 168	<u>Pinus taeda</u> L.		(11) La.; (168) N.C.
67	<u>Pinus thunbergii</u> Parl.		Japan
112	<u>Quercus</u> sp.		W. Va.
11	<u>Quercus nigra</u> L.		Tex.
11	<u>Quercus phellos</u> L.		Tex.
11, 206	<u>Ulmus</u> sp.	(11) Tex.	(206) Wash. D.C.
92	<u>Viburnum</u> sp.		Mich.
<u>Helicotylenchus anhelicus Sher, 1966</u>			
181	<u>Alnus</u> sp.		Cal.
181	<u>Annona cherimola</u> Mill.		Cal.
181	<u>Populus</u> sp.		Cal.
181	<u>Quercus</u> sp.		Cal.
181	<u>Salix</u> sp.		Cal.
<u>Helicotylenchus belli Sher, 1966</u>			
181	<u>Cedrus</u> sp.		Ut.
<u>Helicotylenchus californicus Sher, 1966</u>			
181	<u>Populus fremontii</u> S. Wats.		Cal.
181	<u>Tamarix pentandra</u> Pall.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Helicotylenchus canadensis</u> Waseem, 1961		
234	<u>Carpinus betulus</u> L.		England
234	<u>Quercus robur</u> L.		England
	<u>Helicotylenchus clarkei</u> Sher, 1966		
181	<u>Cornus</u> sp.		Ala.
181	<u>Pinus</u> sp.		N.M., Ala.
181	<u>Pinus cembroides</u> Zucc.		N.M.
181	<u>Prunus</u> sp.		Ala.
181	<u>Quercus</u> sp.		Ala.
	<u>Helicotylenchus crenacauda</u> Sher, 1966		
181	<u>Coffea</u> sp.		Indonesia
	<u>Helicotylenchus digonicus</u> Perry, 1959 (Syn.= <u>H. broadbalkiensis</u> Yuen, 1964)		
234	<u>Carpinus betulus</u> L.		England
181	<u>Cedrus</u> sp.		Canada
234	<u>Quercus robur</u> L.		England
	<u>Helicotylenchus dihystra</u> (Cobb, 1893) Sher, 1961 (Syn.= <u>H. nannus</u> Steiner, 1945)		
116	<u>Abies sachalinensis</u> Mast.		Japan
195	<u>Acer platanoides</u> var. <u>schwedleri</u> (K. Koch) Schwerin		N.J.
181	<u>Carica</u> sp.		Liberia

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Helicotylenchus dihystrera</u> (Cobb, 1893) Sher, 1961 (cont'd.)		
234	<u>Carpinus betulus</u> L.		England
76	<u>Chamaecyparis</u> sp.		N.J.
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
181	<u>Cinchona ledgeriana</u> Moens		Cote-d'Ivoire
161	<u>Cocos nucifera</u> L.		Guam
181	<u>Coffea</u> sp.		Cote-d'Ivoire, Indonesia, Jamaica B.W.I., Nigeria
195	<u>Cornus florida</u> L.		N.J.
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
181	<u>Delonix regia</u> (Bojer) Raf.		S. Rhodesia
181	<u>Elaeis guineensis</u> Jacq.		Nigeria
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
181	<u>Ficus elastica</u> Nois.		Cal.
195	<u>Ginkgo biloba</u> L.		N.J.
181	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
195	<u>Hibiscus syriacus</u> L.		N.J.
112	<u>Juniperus</u> sp.		W. Va.
11	<u>Juniperus virginiana</u> L.		Ga.
181	<u>Macadamia</u> sp.		Australia
11	<u>Magnolia</u> sp.		Ala.
145, 181	<u>Mangifera indica</u> L.		(145) U.A.R. (Egypt) (181) Kenya

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Helicotylenchus dihystra</u> (Cobb, 1893) Sher, 1961 (cont'd.)		
181	<u>Olea europaea</u> L.		S. Rhodesia
181	<u>Persea americana</u> Mill.		Cal., Israel
181	<u>Phoenix dactylifera</u> L.		Kenya
53	<u>Picea pungens</u> Engelm.		Ind.
11, 72	<u>Pinus</u> sp.	(11) Ala.	(72) Ala., Fla., Ga., La., Miss.
116	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
166	<u>Pinus echinata</u> Mill.	Ala., Ga., N.C., S.C., Va.	
168	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		N.C.
168	<u>Pinus taeda</u> L.		N.C.
117	<u>Pinus thunbergii</u> Parl.		Japan
11	<u>Quercus</u> sp.		Ala.
234	<u>Quercus robur</u> L.		England
112	<u>Taxus</u> sp.		Pa.
195	<u>Taxus cuspidata</u> Sieb. & Zucc.		N.J.
181	<u>Theobroma cacao</u> L.		Cote-d'Ivoire, Nigeria
181	<u>Ulmus parvifolia</u> Jacq.		Canada

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Helicotylenchus erythrinae</u> (Zimmermann, 1904) Golden, 1956		
195	<u>Betula populifolia</u> Marsh.		N.J.
195	<u>Chionanthus virginicus</u> L.		N.J.
181	<u>Coffea</u> sp.		Hawaii, Jamaica B.W.I., Venezuela
15	<u>Coffea arabica</u> L.	Indonesia	
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
148	<u>Delonix regia</u> (Bojer) Raf.		Bermuda
181	<u>Elaeis guineensis</u> Jacq.		Nigeria
11	<u>Fagus grandifolia</u> Ehrh.	Tex.	
181	<u>Ficus elastica</u> Nois.		Cal.
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Gleditsia triacanthos</u> var. <u>inermis</u> Pursh.		N.J.
181	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
112	<u>Juniperus</u> sp.		W. Va.
148	<u>Juniperus bermudiana</u> L.		Bermuda
116	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
195	<u>Liquidambar styraciflua</u> L.		N.J.
37	<u>Macadamia ternifolia</u> F. Muell.		Australia
201	<u>Magnolia virginiana</u> L.		Fla.
37	<u>Persea americana</u> Mill.		Australia

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Helicotylenchus erythrinae</u> (Zimmermann, 1904) Golden, 1956 (cont'd.)			
181	<u>Persea gratissima</u> Gaertn.		Hawaii
72	<u>Pinus</u> sp.		Fla.
112, 166	<u>Pinus echinata</u> Mill.	(166) Ala., Ga., N.C., S.C., Va.	(112) Md.
195	<u>Pinus mugo</u> var. <u>mughus</u> (Scop.) Zenari		N.J.
76, 112	<u>Pinus rigida</u> Mill.		(76) N.J.; (112) Md.
112	<u>Pinus virginiana</u> Mill.		Md.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Sassafras albidum</u> (Nutt.) Nees		N.J.
112	<u>Taxus</u> sp.		Md.
181	<u>Theobroma cacao</u> L.		Nigeria
<u>Helicotylenchus labiodiscinus</u> Sher, 1966			
181	<u>Ilex opaca</u> Ait.		N.J.
<u>Helicotylenchus lobus</u> Sher, 1966			
181	<u>Pinus ponderosa</u> Laws.		Cal.
181	<u>Quercus</u> sp.		Cal.
<u>Helicotylenchus microcephalus</u> Sher, 1966			
181	<u>Coffea robusta</u> Linden		Nigeria
181	<u>Elaeis guineensis</u> Jacq.		Nigeria
181	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
181	<u>Mangifera indica</u> L.		Nigeria
181	<u>Theobroma cacao</u> L.		Nigeria

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Helicotylenchus multincinctus</u> (Cobb, 1893) Golden, 1956			
181	<u>Elaeis guineensis</u> Jacq.		Nigeria
145	<u>Ficus carica</u> L.		N.J.
181	<u>Mangifera indica</u> L.		Fla., Israel
181	<u>Persea gratissima</u> Gaertn.		Israel
76	<u>Picea</u> sp.		N.J.
112	<u>Pinus</u> sp.		N.J.
76	<u>Taxus</u> sp.		N.J.
181	<u>Theobroma</u> sp.		Jamaica B.W.I.
109, 181	<u>Theobroma cacao</u> L.		(109) Cote-d'Ivoire; (181) Nigeria
<u>Helicotylenchus nigeriensis</u> Sher, 1966			
181	<u>Theobroma cacao</u> L.		Nigeria
<u>Helicotylenchus paxilli</u> Yuen, 1964			
181	<u>Acer pseudoplatanus</u> L.		England
181	<u>Crataegus monogyna</u> Jacq.		England
234	<u>Fraxinus excelsior</u> L.		England
181	<u>Quercus</u> sp.		England
<u>Helicotylenchus platyurus</u> Perry, 1959			
195	<u>Acer palmatum</u> var. <u>atropupureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer platanoides</u> L.		N.J.
195	<u>Acer rubrum</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Helicotylenchus platyurus</u> Perry, 1959 (cont'd.)			
164, 195	<u>Acer saccharum</u> Marsh.		(164) Wisc.; (195) N.J.
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Hibiscus syriacus</u> L.		N.J.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Morus alba</u> L.		N.J.
195	<u>Pinus strobus</u> L.		N.J.
181	<u>Pinus virginiana</u> Mill.		Md.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Quercus velutina</u> Lam.		N.J.
195	<u>Taxus cuspidata</u> Sieb. & Zucc.		N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Ulmus americanum</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Helicotylenchus pseudorobustus</u> (Steiner, 1914) Golden, 1956 (Syn.= <u>H. microlobus</u> Perry, 1959)		
181	<u>Persea</u> sp.		Israel
53	<u>Picea pungens</u> Engelm.		Ind.
181	<u>Pinus virginiana</u> Mill.		Md.
	<u>Helicotylenchus rotundicauda</u> Sher, 1966		
181	<u>Persea americana</u> Mill.		Cal.
	<u>Helicotylenchus serenus</u> Siddiqi, 1963		
181	<u>Cedrus deodara</u> (Roxb.) Loud.		India
189	<u>Thuja</u> sp.		India
	<u>Helicotylenchus tunisiensis</u> Siddiqi, 1963		
181	<u>Ceratonia siliqua</u> L.		Israel
181	<u>Olea europaea</u> L.		Israel
	<u>Helicotylenchus varicaudatus</u> Yuen, 1964		
234	<u>Fraxinus excelsior</u> L.		England
	<u>Hemicriciconemoides</u> sp. Chitwood & Birchfield, 1957		
224	<u>Cocos nucifera</u> L.		Jamaica B.W.I., Fla.
201	<u>Myrica cerifera</u> L.		Fla.
168	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.		N.C.
168	<u>Pinus taeda</u> L.		N.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Hemicriconemoides biformis</u> Chitwood & Birchfield, 1957		
31	<u>Quercus virginiana</u> Mill.		Fla.
	<u>Hemicriconemoides birchfieldi</u> Edward et al, 1965		
49	<u>Artocarpus integrifolia</u> L.		India
49	<u>Mangifera indica</u> L.		India
	<u>Hemicriconemoides cocophyllus</u> (Loos, 1949) Chitwood & Birchfield, 1957		
52, 185	<u>Cocos nucifera</u> L.		(52) Jamaica B.W.I., Fla.; (185) Ceylon
	<u>Hemicriconemoides communis</u> Edward & Misra, 1963		
47	<u>Artocarpus heterophylla</u> L.		India
47	<u>Artocarpus lakoocha</u> L.		India
47	<u>Mangifera indica</u> L.		India
47	<u>Morus alba</u> L.		India
	<u>Hemicriconemoides floridensis</u> Chitwood & Birchfield, 1957		
31	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		Fla.
	<u>Hemicriconemoides mangiferae</u> Siddiqi, 1961		
185	<u>Mangifera indica</u> L.		India

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Hemicriconemoides minutus</u> Esser, 1960			
52	<u>Carya glabra</u> var. <u>megacarpa</u> (Sarg.) Sarg.		Fla.
<u>Hemicriconemoides strictathecatus</u> Esser, 1960			
52	<u>Cocos nucifera</u> L.		Fla., Jamaica B.W.I.
<u>Hemicriconemoides wessoni</u> Chitwood & Birchfield, 1957			
52	<u>Magnolia</u> sp.		Fla.
201	<u>Magnolia virginiana</u> L.		Fla.
31	<u>Myrica cerifera</u> L.		Fla.
52	<u>Pinus palustris</u> Mill.		Fla.
52	<u>Ulmus americana</u> var. <u>floridana</u> (Chapm.) Little		Fla.
<u>Hemicycliophora</u> deMan, 1921			
195	<u>Acer saccharum</u> Marsh.		N.J.
195	<u>Betula lenta</u> L.		N.J.
10	<u>Betula papyrifera</u> Marsh.		Canada
195	<u>Castanea dentata</u> (Marsh.) Borkh.		N.J.
224	<u>Cocos nucifera</u> L.		Jamaica B.W.I.
112	<u>Cornus</u> sp.		W. Va., Pa.
195	<u>Fagus grandifolia</u> Ehrh.		N.J.
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165, 195	<u>Fraxinus americana</u> L.		(165) N.Y.; (194) N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Hemicycliophora</u> deMan, 1921 (cont'd.)			
10	<u>Juniperus communis</u> L.		Canada
195	<u>Kalmia latifolia</u> L.		N.J.
112	<u>Liquidambar styraciflua</u> L.		Md.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
112	<u>Picea abies</u> (L.) Karst.		Md.
10	<u>Picea glauca</u> (Moench) Voss		Canada
112	<u>Picea pungens</u> Engelm.		Pa.
1, 11, 72, 76	<u>Pinus</u> sp.		(1) S.C.; (11) Ga.; (72) Fla.; (76) N.J.
10	<u>Pinus banksiana</u> Lamb.		Canada
11	<u>Pinus echinata</u> Mill.		La.
168	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.		N.C.
11	<u>Pinus palustris</u> Mill.		La.
112	<u>Pinus resinosa</u> Ait.		Pa.
112	<u>Pinus rigida</u> Mill.		Md.
10, 112, 195	<u>Pinus strobus</u> L.		(10) Canada; (112) Md.; (195) N.J.
11, 168	<u>Pinus taeda</u> L.		(11) La.; (168) N.C.
195	<u>Prunus virginiana</u> L.		N.J.
112	<u>Quercus</u> sp.		Del.
195	<u>Quercus coccinea</u> Muenchh.		N.J.
195	<u>Quercus marilandica</u> Muenchh.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus prinus</u> L.		N.J.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Hemicycliophora deMan, 1921 (cont'd.)</u>			
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Sassafras albidum</u> (Nutt.) Nees		N.J.
11	<u>Taxus</u> sp.	Va.	
10	<u>Taxus canadensis</u> Marsh.		Canada
112	<u>Tsuga</u> sp.		W. Va.
202	<u>Ulmus</u> sp.		Wash. D.C.
195	<u>Viburnum prunifolium</u> L.		N.J.
<u>Hemicycliophora brevicauda Sauer, 1958</u>			
173	<u>Codonocarpus cotinifolius</u> F.v.M.		Australia
<u>Hemicycliophora brevis Thorne, 1955</u>			
155	<u>Quercus</u> sp.		Cal.
<u>Hemicycliophora epicharis Raski, 1958</u>			
155	<u>Melaleuca leucadendron</u> L.		Fla.
<u>Hemicycliophora eugeniae Khan & Basir, 1963</u>			
90	<u>Eugenia operculata</u> Roxb.		India
<u>Hemicycliophora gigas Thorne, 1955</u>			
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
112	<u>Pinus virginiana</u> Mill.		Md.
112	<u>Populus</u> sp.		W. Va.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Hemicycliophora hesperis</u> Raski, 1958		
155	<u>Quercus</u> sp.		Cal.
155	<u>Salix</u> sp.		Cal.
	<u>Hemicycliophora minora</u> Wu, 1966		
231	<u>Betula papyrifera</u> Marsh.		Canada
231	<u>Chamaecyparis</u> sp.		Canada
231	<u>Picea glauca</u> (Moench) Voss		Canada
231	<u>Pinus strobus</u> L.		Canada
	<u>Hemicycliophora paradoxa</u> Luc, 1958		
109	<u>Theobroma cacao</u> L.		Cote-d'Ivoire
	<u>Hemicycliophora pauciannulata</u> Luc, 1958		
105	<u>Cocos nucifera</u> L.		Togo
	<u>Hemicycliophora shepherdii</u> Wu, 1966		
231	<u>Pinus contorta</u> var. <u>latifolia</u> Engelm.		Canada
231	<u>Populus balsamifera</u> L.		Canada
231	<u>Populus tremuloides</u> Michx.		Canada
231	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		Canada
231	<u>Salix</u> sp.		Canada

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Hemicycliophora similis</u> Thorne, 1955			
10	<u>Acer</u> sp.		Canada
164	<u>Acer saccharum</u> Marsh.	Wisc.	
10	<u>Betula papyrifera</u> Marsh.		Canada
10	<u>Picea glauca</u> (Moench) Voss		Canada
7	<u>Prunus pensylvanica</u> L.f.		Canada
10	<u>Ulmus</u> sp.		Canada
<u>Hemicycliophora tessellata</u> Sauer, 1958			
173	<u>Eucalyptus incrassata</u> Labill.		Australia
<u>Hemicycliophora typica</u> deMan, 1921			
164	<u>Acer saccharum</u> Marsh.	Wisc.	
93	<u>Eucalyptus</u> sp.		Peru
11, 112	<u>Pinus echinata</u> Mill.		(11) Va.; (112) Md.
<u>Hemicycliophora uniformis</u> Thorne, 1955			
10	<u>Acer</u> sp.		Canada
164	<u>Acer saccharum</u> Marsh.	Wisc.	
10	<u>Larix laricina</u> (DuRoi) K. Koch		Canada
10	<u>Picea glauca</u> (Moench) Voss		Canada
10	<u>Taxus canadensis</u> Marsh.		Canada
10	<u>Tilia</u> sp.		Canada
10	<u>Ulmus</u> sp.		Canada

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Hemicycliophora vidua</u> Raski, 1958			
166	<u>Pinus echinata</u> Mill.	Ala., Ga., N.C., S.C., Va.	
<u>Hemicycliophora vivida</u> Wu, 1966			
231	<u>Acer</u> sp.		Canada
231	<u>Pinus strobus</u> L.		Canada
<u>Heterodera</u> A. Schmidt, 1871			
224	<u>Cocos nucifera</u> L.		Jamaica B.W.I.
138	<u>Pinus monticola</u> Dougl.	Ida.	
92	<u>Taxus</u> sp.		Mich.
<u>Heterodera fici</u> Kirjanova, 1954			
183	<u>Ficus carica</u> L.	Cal.	
183	<u>Ficus elastica</u> Ncis.	Cal.	
<u>Heterodera rostochiensis</u> Wollenweber, 1923			
93	<u>Eucalyptus</u> sp.		Peru
<u>Heterodera schachtii</u> Schmidt, 1871			
93	<u>Eucalyptus</u> sp.		Peru
<u>Hirschmanniella oryzae</u> (v. Breda deHaan, 1902) Luc & Goodey, 1963			
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Hoplolaimus Daday, 1905</u>			
112	<u>Abies concolor</u> (Gord. & Glend.) Lindl.		Pa.
224	<u>Cocos nucifera</u> L.		Fla.
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165	<u>Fraxinus americana</u> L.		N.Y.
206	<u>Juniperus</u> sp.		Del.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
92, 112	<u>Picea pungens</u> Engelm.		(92) Mich.; (112) Pa.
1, 11, 72	<u>Pinus</u> sp.	(1) N.C.	(1) S.C.; (11) La.; (72) Fla.
112	<u>Pinus strobus</u> L.		N.Y.
11, 206	<u>Quercus</u> sp.		(11) Va.; (206) Del.
112	<u>Taxus</u> sp.		Md., Pa.
11	<u>Tsuga</u> sp.		Va.
206	<u>Ulmus</u> sp.		Wash. D.C.
<u>Hoplolaimus californicus Sher, 1963</u>			
176	<u>Quercus</u> sp.		Cal.
176	<u>Quercus agrifolia</u> Nee		Cal.
<u>Hoplolaimus columbus Sher, 1963</u>			
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
191	<u>Pinus longifolia</u> Roxb.		India

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Hoplolaimus galeatus</u> (Cobb, 1913) Thorne, 1935 (Syn.= <u>H. coronatus</u> Cobb, 1923)		
237	<u>Acer</u> sp.		Mass.
195	<u>Acer negundo</u> L.		N.J.
195	<u>Acer palmatum</u> var. <u>atropupureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer platanoides</u> var. <u>schwedleri</u> (K. Koch) Schwerin		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Betula populifolia</u> Marsh.		N.J.
195	<u>Castanea mollissima</u> Blume		N.J.
195	<u>Cedrus libani</u> Loud.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Franklinia alatamaha</u> Bartr.		N.J.
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Hibiscus syriacus</u> L.		N.J.
195	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		N.J.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Liquidambar styraciflua</u> L.		N.J.
195	<u>Morus alba</u> L.		N.J.
195	<u>Picea abies</u> (L.) Karst.		N.J.
10	<u>Picea glauca</u> (Moench) Voss		Canada
53	<u>Picea pungens</u> Engelm.		Ind.
72	<u>Pinus</u> sp.		Ga.
166	<u>Pinus echinata</u> Mill.	Ga., N.C., Va.	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Hoplolaimus galeatus</u> (Cobb, 1913) Thorne, 1935 (cont'd.)		
168, 199	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.	(168) N.C.; (199) Fla.	
195	<u>Pinus mugo</u> var. <u>mughus</u> (Scop.) Zenari		N.J.
42, 195	<u>Pinus nigra</u> Arnold	(42) U.S.A.	(195) Fla.
199	<u>Pinus palustris</u> Mill.	Fla., Ga.	
204	<u>Pinus resinosa</u> Ait.		W. Va.
195	<u>Pinus strobus</u> L.		N.J.
195	<u>Pinus sylvestris</u> L.		N.J.
168	<u>Pinus taeda</u> L.	N.C.	
195	<u>Platanus occidentalis</u> L.		N.J.
195	<u>Prunus americana</u> Marsh.		N.J.
195	<u>Prunus serotina</u> Ehrh.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Pseudotsuga Menziesii</u> (Mirb.) Franco		N.J.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
195, 225	<u>Quercus palustris</u> Muenchh.	(225) Del.	(195) N.J.
225	<u>Quercus rubra</u> L.	Del.	
195	<u>Quercus velutina</u> Lam.		N.J.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
195	<u>Rhododendron maximum</u> L.		N.J.
195	<u>Taxus baccata</u> var. <u>dovastoni</u> Loud.		N.J.
195	<u>Taxus cuspidata</u> Sieb. & Zucc.		N.J.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Hoplolaimus galeatus</u> (Cobb, 1913) Thorne, 1935 (cont'd.)		
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Tsuga canadensis</u> (L.) Carr.		N.J.
195	<u>Ulmus americana</u> L.		N.J.
	<u>Hoplolaimus pararobustus</u> (Sch. Stek. & Teun., 1938) Sher, 1963 (Syn.= <u>H. proporicus</u> Goodey, 1957)		
176	<u>Adansonia</u> sp.		S. Rhodesia
61	<u>Elaeis guineensis</u> Jacq.	(61) Nigeria; (109) Cote-d'Ivoire	
61	<u>Elaeis melanococca</u> Gaertn.	Nigeria	
	<u>Hoplolaimus tylenchiformis</u> Daday, 1905		
112	<u>Acer</u> sp.		Md., Mass.
76, 112	<u>Chamaecyparis</u> sp.		(76) N.J.; (112) Md., Pa.
112	<u>Juniperus</u> sp.		N.J., Del.
112	<u>Liriodendron</u> sp.		N.J.
11	<u>Magnolia</u> sp.		GA.
112	<u>Picea</u> sp.		N.J.
112	<u>Picea pungens</u> Engelm.		PA.
11	<u>Pinus</u> sp.		LA, GA.
76	<u>Pinus strobus</u> L.		N.J.
112, 176	<u>Quercus</u> sp.		(112) DEL., PA. (176) FLA.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Hoplolaimus tylenchiformis</u> Daday, 1905 (cont'd.)			
112	<u>Quercus palustris</u> Muenchh.		Mass.
112	<u>Salix</u> sp.		N.J., Mass.
76, 112	<u>Taxus</u> sp.		(76) N.J.; (112) Md., Pa.
112	<u>Tsuga</u> sp.		N.J., Md., Pa.
11	<u>Ulmus parvifolia</u> Jacq.	Tex.	
<u>Hoplotylus femina</u> s'Jacob, 1959			
195	<u>Betula lenta</u> L.		N.J.
195	<u>Castanea dentata</u> (Marsh.) Borkh.		N.J.
193	<u>Chamaecyparis lawsoniana</u> (A. Murr.) Parl.		Netherlands
193	<u>Picea abies</u> L.		Netherlands
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus prinus</u> L.		N.J.
193	<u>Quercus robur</u> L.		Netherlands
<u>Longidorus</u> Micoletzky, 1922			
122	<u>Acacia mollissima</u> Willd.		S. Rhodesia
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165	<u>Fraxinus americana</u> L.		N.Y.
211	<u>Mangifera</u> sp.		U.A.R. (Egypt)
11	<u>Pinus</u> sp.		Ark.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Longidorus</u> Micoletzky, 1922 (cont'd.)			
168	<u>Pinus elliottii</u> var. <u>elliottii</u> Englem.		N.C.
168	<u>Pinus taeda</u> L.		N.C.
206	<u>Quercus</u> sp.		Del.
206	<u>Ulmus</u> sp.		Wash. D.C.
<u>Longidorus afzali</u> Khan, 1964			
89	<u>Shorea robusta</u> Gaertn. f.		India
<u>Longidorus elongatus</u> (deMan, 1876) Thorne & Swanger, 1936			
10	<u>Acer</u> sp.		Canada
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Fagus grandifolia</u> Ehrh.		N.J.
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
195	<u>Fraxinus americana</u> L.		N.J.
11	<u>Magnolia</u> sp.	Ala.	
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
11, 72, 200	<u>Pinus</u> sp.	(200) Germany	(11) Ala.; (72) Fla.
195	<u>Pinus rigida</u> Mill.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Viburnum prunifolium</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Longidorus maximus</u> (Bütschli, 1874) Thorne & Swanger, 1936		
202	<u>Abies alba</u> Mill.	Germany	
202	<u>Acer platanoides</u> L.	Germany	
202	<u>Acer pseudoplatanus</u> L.	Germany	
202	<u>Alnus glutinosa</u> (L.) Gaertn.	Germany	
202	<u>Alnus rugosa</u> (DuRoi) Spreng.	Germany	
202	<u>Carpinus betulus</u> L.	Germany	
202	<u>Corylus avellana</u> L.	Germany	
202	<u>Larix decidua</u> Mill.	Germany	
202	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.	Germany	
202	<u>Picea abies</u> (L.) Karst.	Germany	
202	<u>Pinus nigra</u> Arnold	Germany	
202	<u>Pinus sylvestris</u> L.	Germany	
202	<u>Pinus strobus</u> L.	Germany	
202	<u>Quercus robur</u> L.	Germany	
202	<u>Thuja occidentalis</u> L.	Germany	
	<u>Longidorus sylphus</u> Thorne, 1939		
112	<u>Quercus</u> sp.		Del.
	<u>Longidorus tarjani</u> Siddiqi, 1962		
187	<u>Quercus virginiana</u> Mill.		Fla.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidodera</u> Chitwood, Hannon, & Esser, 1956			
11, 112	<u>Pinus</u> sp.	(11) N.C.	(11) Ga., La., Tenn.; (112) N.J.
11	<u>Pinus palustris</u> Mill.		La.
112	<u>Pinus virginiana</u> Mill.		Md.
<u>Meloidodera floridensis</u> Chitwood, <u>et al</u> , 1956			
112	<u>Pinus</u> sp.		N.J.
72	<u>Pinus clausa</u> (Chapm.) Vasey	Fla.	
75	<u>Pinus echinata</u> Mill.		N.J.
11, 74, 168	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.	(168) N.C.	(11) Fla., La.; (74) Ala., Ga.
72	<u>Pinus nigra</u> Arnold		Fla.
72	<u>Pinus palustris</u> Mill.		Fla.
75	<u>Pinus rigida</u> Mill.		N.J.
11, 168	<u>Pinus taeda</u> L.	(11) Ala.; (168) N.C.	(11) La.
11	<u>Quercus</u> sp.		Ala.
<u>Meloidogyne</u> Goeldi, 1887			
26	<u>Acacia</u> sp.	U.S.A.	
18	<u>Acacia dealbata</u> Link		U.S.A.
80	<u>Acacia glaucophylla</u> Steud.		S. Rhodesia
25	<u>Acer</u> sp.		Ariz.
199	<u>Acer japonicum</u> Thunb.		Japan
21	<u>Acer macrophyllum</u> Pursh.	Ore.	
223	<u>Acer negundo</u> L.		U.S.S.R.
26	<u>Albizia lebbek</u> (L.) Benth.		U.S.A.
223	<u>Aleurites cordata</u> R. Br.		U.S.S.R.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne Goeldi</u> , 1887 (cont'd.)			
27	<u>Aleurites fordii</u> Hemsl.	U.S.A.	
96	<u>Aleurites molluccana</u> Willd.		China
200	<u>Alnus japonica</u> (Thunb.) Steud.	Md.	
174	<u>Artocarpus</u> sp.		Congo
28	<u>Artocarpus communis</u> Forst.		Brazil
174	<u>Artocarpus incisa</u> L.		Congo
28	<u>Artocarpus integra</u> Merr.		Brazil
174	<u>Artocarpus integrifolia</u> L.		Congo
136	<u>Broussonetia papyrifera</u> (L.) Vent.		Fla.
22	<u>Cananga odorata</u> (Lam.) Hook. f. & Thoms.		India
151	<u>Carica papaya</u> L.		India
221	<u>Carpinus betulus</u> L.	Italy	
11	<u>Castanea mollissima</u> Blume		Ga.
26	<u>Casuarina lepidophloia</u> F. Muell.		U.S.A.
223	<u>Catalpa bignonioides</u> Walt.		U.S.S.R.
126	<u>Catalpa ovata</u> Don		Md.
27	<u>Catalpa speciosa</u> Warder	U.S.A.	
26	<u>Cedrus deodara</u> (Roxb.) Loud.		U.S.A.
18	<u>Ceratonia siliqua</u> L.		U.S.A.
20, 27	<u>Chamaecyparis</u> sp.	(20) Yugoslavia	(27) U.S.A.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne Goeldi</u> , 1887 (cont'd.)			
16	<u>Cinchona</u> sp.		India
28	<u>Cinchona ledgeriana</u> Moens		Brazil
205	<u>Cinchona succirubra</u> Pav.	Guatemala	
59	<u>Cinnamomum zeylanicum</u> Blume		Germany
161, 224	<u>Cocos nucifera</u> L.		(161) Guam; (224) Fla.
59, 88	<u>Coffea arabica</u> L.	(59) Germany; (88) Brazil	
25	<u>Copernicia</u> sp.	Ariz.	
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
26, 109	<u>Elaeis guineensis</u> Jacq.	(109) Ghana	(26) U.S.A.
18	<u>Erythrina americanum</u> Mill.		U.S.A.
97	<u>Erythrina crista-galli</u> L.		Italy
18, 27	<u>Ficus</u> sp.	(18) Mexico; (27) U.S.A.	
136	<u>Ficus carica</u> L.	Fla.	
26	<u>Ficus macrophylla</u> Desf.	U.S.A.	
26	<u>Ficus palmata</u> Forsk.	U.S.A.	
26	<u>Ficus rubiginosa</u> Desf.	U.S.A.	
11	<u>Fraxinus</u> sp.	Okla.	
165, 223	<u>Fraxinus americana</u> L.		(165) N.Y.; (223) U.S.S.R.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne Goeldi</u> , 1887 (cont'd.)			
27	<u>Fraxinus mandschurica</u> Rupr.	U.S.A.	
27	<u>Fraxinus nigra</u> Marsh.	U.S.A.	
27	<u>Fraxinus velutina</u> Torr.	U.S.A.	
223	<u>Gleditsia triacanthos</u> L.		U.S.S.R.
26, 109, 146	<u>Grevillea robusta</u> A. Cunn.	(109) Cote-d'Ivoire	(26) U.S.A.; (146) Ceylon
28, 152	<u>Hevea brasiliensis</u> Muell.-Arg.		(28) Brazil; (152) Malaya
131	<u>Jacaranda</u> sp.		Israel
26	<u>Juglans</u> sp.		U.S.A.
27, 136	<u>Juglans cinerea</u> L.	(27) U.S.A.	(136) Fla.
27	<u>Juglans microcarpa</u> Berlandier	U.S.A.	
27	<u>Juglans nigra</u> L.	U.S.A.	
136	<u>Juglans regia</u> L.	Fla.	
20	<u>Juniperus</u> sp.	Yugoslavia	
18	<u>Ligustrum ovalifolium</u> Hassk.		U.S.A.
11	<u>Liquidambar styraciflua</u> L.	Miss.	
27	<u>Liriodendron tulipifera</u> L.	U.S.A.	
131	<u>Livistonia chinensis</u> R. Br.		Israel
11, 25	<u>Magnolia</u> sp.	(11) Fla.; (25) Ariz.	(11) Ga.
124	<u>Magnolia grandiflora</u> L.	Ga.	
25	<u>Melia azedarach</u> L.	Ariz.	
27	<u>Morus</u> sp.	U.S.A.	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne</u> Goeldi, 1887 (cont'd.)			
27	<u>Morus nigra</u> L.	U.S.A.	
27	<u>Morus rubra</u> L.	U.S.A.	
59	<u>Myristica fragrans</u> Houtt.		Germany
223	<u>Olea europaea</u> L.		U.S.S.R.
95	<u>Persea americana</u> Mill.		Chile
25	<u>Phoenix</u> sp.	Ariz.	
27	<u>Phoenix canariensis</u> Hort.	U.S.A.	
27	<u>Phoenix dactylifera</u> L.	U.S.A.	
92	<u>Picea pungens</u> Engelm.		Mich.
25, 72, 112	<u>Pinus</u> sp.	(25) Ariz.	(72) Ga.; (112) N.J.
26	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm. (Syn.= <u>P. caribaea</u>)	U.S.A.	
26	<u>Pinus palustris</u> Mill.	U.S.A.	
163	<u>Pinus ponderosa</u> Laws.	N. Mex.	
222	<u>Pinus radiata</u> D. Don		Argentina
112	<u>Pinus rigida</u> Mill.		N.J.
112	<u>Pinus strobus</u> L.		N.Y.
11	<u>Pinus taeda</u> L.		Va.
223	<u>Pistacia vera</u> L.		U.S.S.R.
27	<u>Platanus</u> sp.		U.S.A.
26	<u>Populus</u> sp.		U.S.A.
128	<u>Populus alba</u> L.	Israel	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne</u> Goeldi, 1887 (cont'd.)			
58	<u>Prosopis juliflora</u> (Sw.) DC.		Hawaii
18	<u>Prunus</u> sp.	Mexico	
27	<u>Prunus cerasus</u> L.	U.S.A.	
27	<u>Prunus virginiana</u> L.	U.S.A.	
25	<u>Quercus</u> sp.	Ariz.	
26	<u>Quercus agrifolia</u> Née	U.S.A.	
26, 45	<u>Quercus suber</u> L.	(26) U.S.A.; (45) France	
11	<u>Robinia pseudoacacia</u> L.	Okla.	
27	<u>Salix</u> sp.	U.S.A.	
25	<u>Salix babylonica</u> L.	Ariz.	
26	<u>Sambucus nigra</u> L.		U.S.A.
223	<u>Sapindus saponaria</u> L.		U.S.S.R.
26	<u>Schinus</u> sp.		U.S.A.
125	<u>Schinus molle</u> L.		Texas
223	<u>Sophora japonica</u> L.		U.S.S.R.
27	<u>Sophora viciifolia</u> Hance	U.S.A.	
27	<u>Styrax</u> sp.	U.S.A.	
18, 27	<u>Tamarindus indica</u> L.	(27) U.S.A.	(18) U.S.A.
59, 109	<u>Theobroma cacao</u> L.	(59) Germany; (109) Ghana	
27	<u>Trachycarpus excelsa</u> H. Wendl.	U.S.A.	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne Goeldi</u> , 1887 (cont'd.)			
11, 26	<u>Ulmus</u> sp.	(11) Okla.	(26) U.S.A.
11	<u>Ulmus americana</u> L.	Okla.	
27	<u>Ulmus campestris</u> L.	U.S.A.	
223	<u>Ulmus pumila</u> L.		U.S.S.R.
26, 27	<u>Washingtonia</u> sp.	(27) U.S.A.	(26) U.S.A.
25	<u>Washingtonia filifera</u> Wendl.	Ariz.	
18	<u>Washingtonia gracilis</u> Parish		U.S.A.
135	<u>Zanthoxylum piperitum</u> DC.		Japan
79	<u>Zizyphus mucronata</u> Willd.		S. Rhodesia
<u>Meloidogyne arenaria</u> (Neal, 1889) Chitwood, 1949			
121	<u>Acacia cultriformis</u> A. Cunn.		S. Rhodesia
38	<u>Acacia pugioniformis</u> Wendl.	Australia	
120	<u>Carica papaya</u> L.	S. Rhodesia	
129	<u>Ficus carica</u> L.		Israel
11	<u>Mimosa</u> sp.	Ala.	
131	<u>Morus</u> sp.		Israel
132	<u>Phoenix dactylifera</u> L.		Israel
72	<u>Pinus</u> sp.		Fla.
<u>Meloidogyne coffeicola</u> Lordello & Zamith, 1960			
103	<u>Coffea arabica</u> L.	Brazil	

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Meloidogyne exigua</u> Goeldi, 1887		
88	<u>Coffea</u> sp.	Brazil	
102	<u>Coffea arabica</u> L.	Brazil	
	<u>Meloidogyne hapla</u> Chitwood, 1949		
195	<u>Cornus florida</u> L.		N.J.
29, 131	<u>Morus</u> sp.		(29) Bahamas; (131) Israel
132	<u>Phoenix dactylifera</u> L.		Israel
195	<u>Viburnum prunifolium</u> L.		N.J.
	<u>Meloidogyne incognita</u> (Kofoid & White, 1919) Chitwood, 1949 a/		
38	<u>Acacia glaucocarpa</u> Maid. & Blakely	Australia	
67	<u>Acacia mollissima</u> Willd.	Japan	
109	<u>Albizia</u> sp.		Cote-d'Ivoire
38	<u>Brassaia actinophylla</u> F. Muell.	Australia	
109, 120	<u>Carica papaya</u> L.	(120) S. Rhodesia (109)	Cote-d'Ivoire
11	<u>Catalpa</u> sp.	Ala.	
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.	Japan	
109	<u>Chinchona ledgeriana</u> Moens		Cote-d'Ivoire
205	<u>Cinchona micrantha</u> Ruiz. & Pav.	Guatemala	
67	<u>Crytomeria japonica</u> (L.f.) D. Don	Japan	

a/ All M. incognita and M. incognita acrita combined under this heading.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
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Meloidogyne incognita (Kofoid & White, 1919)
Chitwood, 1949 (cont'd.)

93	<u>Eucalyptus</u> sp.		Peru
77, 129	<u>Ficus carica</u> L.	(77) Japan	(129) Israel
131	<u>Morus</u> sp.		Israel
132	<u>Phoenix dactylifera</u> L.		Israel
72	<u>Pinus</u> sp.		Fla., Miss.
67	<u>Pinus densiflora</u> Sieb. & Zucc.	Japan	
67	<u>Pinus thunbergii</u> Parl.	Japan	
131	<u>Populus</u> sp.		Israel
112	<u>Salix</u> sp.		Md.
134	<u>Salix alba</u> var. <u>coerulae</u> (Sm.) Koch	Argentina	
109	<u>Theobroma cacao</u> L.	Cote-d'Ivoire	

Meloidogyne javanica (Treub, 1885)
Chitwood, 1949

121	<u>Acacia baileyana</u> F. v. Muell.		S. Rhodesia
38	<u>Acacia cunninghamii</u> Hook.	Australia	
56	<u>Acacia cyanophylla</u> Lindl.		Cyprus
121	<u>Acacia elata</u> A. Cunn.		S. Rhodesia
121, 123	<u>Acacia mollissima</u> Willd.	(123) S. Rhodesia	(121) S. Rhodesia
38	<u>Acacia myrtifolia</u> (Sm.) Willd.	Australia	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Meloidogyne javanica</u> (Treub, 1985) Chitwood, 1949 (cont'd.)		
121	<u>Acacia podalyriaefolia</u> A. Cunn.		S. Rhodesia
11	<u>Albizia</u> sp.	Ga., Tex.	
121	<u>Albizia chinensis</u> (Osbeck) Merr.		S. Rhodesia
121	<u>Albizia lebbeck</u> (L.) Benth.		S. Rhodesia
121	<u>Bombax malabaricum</u> D C.		S. Rhodesia
120, 129	<u>Carica papaya</u> L.	(120) S. Rhodesia	(129) Israel
121	<u>Casuarina</u> sp.		S. Rhodesia
38	<u>Ficus carica</u> L.	Australia	
129	<u>Fraxinus syriaca</u> Bois		Israel
132	<u>Juglans regia</u> L.		Israel
219	<u>Leucaena glauca</u> Benth.		New Guinea
38	<u>Morus alba</u> L.	Australia	
120, 139	<u>Morus indica</u> L.	(120) S. Rhodesia	(139) India
207	<u>Olea europaea</u> L.		Israel
132	<u>Phoenix dactylifera</u> L.		Israel
129	<u>Populus alba</u> L.		Israel
131	<u>Salix</u> sp.		Israel
38	<u>Salix alba</u> L.	Australia	
120	<u>Salix caprea</u> L.	S. Rhodesia	
129	<u>Salix viminalis</u> L.		Israel
129	<u>Sapium sebiferum</u> Roxb.		Israel
120	<u>Tipuana tipu</u> (Benth.) Kuntz.	S. Rhodesia	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Meloidogyne ovalis</u> Riffle, 1963			
162	<u>Acer saccharum</u> Mars.	Wisc.	
162	<u>Fraxinus americana</u> L.	Wisc.	
162	<u>Ulmus americana</u> L.	Wisc.	
<u>Paralongidorus erriae</u> Heyns, 1965			
69	<u>Acacia</u> sp.		Union South Africa
69	<u>Eucalyptus</u> sp.		Union South Africa
69	<u>Pinus</u> sp.		Union South Africa
<u>Paralongidorus eucalypti</u> Fisher, 1964			
54	<u>Eucalyptus</u> sp.		Australia
<u>Paralongidorus paramaximus</u> Heyns, 1965			
69	<u>Eucalyptus</u> sp.		Union South Africa
69	<u>Phoenix reclinata</u> Jacq.		Union South Africa
<u>Paralongidorus sali</u> Siddiqi <u>et al</u> , 1963			
192	<u>Shorea robusta</u> Gaertn.		India
<u>Paralongidorus xiphinemoides</u> Heyns, 1965			
69	<u>Acacia</u> sp.		Union South Africa

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Paratylenchus Micoletzky, 1922</u>			
10	<u>Abies balsamea</u> (L.) Mill.		Canada
116	<u>Abies sachalinensis</u> Mast.		Japan
67, 122	<u>Acacia mollissima</u> Willd.		(67) Japan; (122) S. Rhodesia
10, 112	<u>Acer</u> sp.		(10) Canada; (112) R.I., Mass.
195	<u>Acer saccharinum</u> L.		N.J.
10	<u>Betula papyrifera</u> Marsh.		Canada
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
109, 224	<u>Cocos nucifera</u> L.		(109) Togo; (224) Fla.
112	<u>Cornus</u> sp.		R.I.
109	<u>Elaeis guineensis</u> Jacq.		Cote-d'Ivoire
195	<u>Fraxinus americana</u> L.		N.J.
10	<u>Juniperus communis</u> L.		Canada
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
112	<u>Picea abies</u> (L.) Karst.		R.I.
10	<u>Picea glauca</u> (Moench) Voss		Canada
53	<u>Picea pungens</u> Engelm.		Ind.
112	<u>Pinus</u> sp.		N.J.
116	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Paratylenchus Micoletzky, 1922 (cont'd.)</u>			
11	<u>Pinus echinata</u> Mill.		La.
11, 113	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.		(11) La.; (113) Miss.
11	<u>Pinus palustris</u> Mill.		La.
204	<u>Pinus resinosa</u> Ait.		W. Va.
10	<u>Pinus strobus</u> L.		Canada
11	<u>Pinus taeda</u> L.		La.
112	<u>Pinus virginiana</u> Mill.		Md.
10	<u>Populus</u> sp.		Canada
112	<u>Quercus palustris</u> Muenchh.		Mass.
17	<u>Quercus sessilis</u> Ehrh.		Germany
92, 112	<u>Taxus</u> sp.		(92) Mich.; (112) Md., N.J., R.I.
10	<u>Taxus canadensis</u> Marsh.		Canada
109	<u>Theobroma cacao</u> L.		Cote-d'Ivoire
10	<u>Ulmus</u> sp.		Canada
<u>Paratylenchus amblycephalus</u> Reuver, 1959			
209	<u>Scorbus aucuparia</u> L.		Germany
<u>Paratylenchus besoekianus</u> Bally & Reydon, 1931			
15	<u>Coffea arabica</u> L.		Indonesia

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Paratylenchus bukowinensis</u> Micoletzky, 1922		
112	<u>Juglans nigra</u> L.		W. Va.
	<u>Paratylenchus crenatus</u> Corbett, 1966		
40	<u>Pinus taeda</u> L.		Malawi (Central Africa)
	<u>Paratylenchus curvitata</u> v.d.Linde, 1938		
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Rhododendron catawbiensis</u> Michx.		N.J.
	<u>Paratylenchus elachistus</u> Steiner, 1949		
101	<u>Elaeis guineensis</u> Jacq.		Venezuela
	<u>Paratylenchus hamatus</u> Thorne & Allen, 1950		
218	<u>Ficus carica</u> L.	Cal.	
112	<u>Pinus resinosa</u> Ait.		Pa.
	<u>Paratylenchus macrophallus</u> (deMan, 1880) Goodey, 1934		
216	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Paratylenchus minusculus</u> Tarjan, 1960		
209	<u>Quercus virginiana</u> Mill.		Fla.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Paratylenchus nanus</u> Cobb, 1923			
112	<u>Cornus</u> sp.		Pa.
195	<u>Pinus strobus</u> L.		N.J.
112	<u>Taxus</u> sp.		Pa.
195	<u>Tsuga canadensis</u> (L.) Carr.		N.J.
<u>Paratylenchus projectus</u> Jenkins, 1956			
195	<u>Acer nigrum</u> Michx. f.		N.J.
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer platanoides</u> L.		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Albizia julibrissin</u> Durazz.		N.J.
195	<u>Broussonetia papyrifera</u> (L.) Vent.		N.J.
195	<u>Castanea mollissima</u> Blume		N.J.
195	<u>Cedrus libanensis</u> Juss.		N.J.
195	<u>Cercis canadensis</u> L.		N.J.
195	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Crataegus phaenopyrum</u> (L.f.) Med.		N.J.
195	<u>Franklinia alatamaha</u> Bartr.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Paratylenchus projectus</u> Jenkins, 1956 (cont'd.)			
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		N.J.
195	<u>Leucadendron</u> sp.		N.J.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Magnolia stellata</u> (Sieb. & Zucc.) Maxim		N.J.
195	<u>Picea pungens</u> Engelm.		N.J.
195	<u>Pinus mugo</u> var. <u>mughus</u> (Scop.) Zenari		N.J.
112, 195	<u>Pinus strobus</u> L.		(112) Pa.; (195) N.J.
112, 195	<u>Pinus sylvestris</u> L.		(112) Pa.; (195) N.J.
195	<u>Prunus americana</u> Marsh.		N.J.
195	<u>Pseudotsuga menziesii</u> (Mirb.) Franco.		N.J.
112	<u>Quercus alba</u> L.		Pa.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
112, 195	<u>Quercus palustris</u> Muenchh.		(112) R.I.; (195) N.J.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
195	<u>Robinia pseudoacacia</u> L.		N.J.
195	<u>Sophora japonica</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Paratylenchus projectus</u> Jenkins, 1956 (cont'd.)			
195	<u>Sorbus aucuparia</u> L.		N.J.
195	<u>Styrax japonica</u> Sieb. & Zucc.		N.J.
195	<u>Tamarix pentandra</u> Pall.		N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Thuja occidentalis</u> var. <u>globosa</u> Beissn.		N.J.
195	<u>Tilia europaea</u> L.		N.J.
112	<u>Tsuga</u> sp.		Pa.
195	<u>Viburnum lantana</u> L.		N.J.
<u>Paratylenchus tenuicaudatus</u> Wu, 1961			
227	<u>Acer saccharum</u> Marsh.		Canada
<u>Peltamigratus christiei</u> (Golden & Taylor, 1956) Sher, 1963			
178	<u>Pinus</u> sp.		Fla.
178	<u>Quercus</u> sp.		Fla.
178	<u>Sabal palmetto</u> (Walt.) Lodd.		Fla.
<u>Pratylenchoides guevarai</u> Tobar-Jimenez, 1963			
220	<u>Cupressus sempervirens</u> L.		Spain

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus Filipjev, 1934</u>			
112	<u>Abies balsamea</u> (L.) Mill.		Me.
67	<u>Acacia</u> sp.	Japan	
112	<u>Acer</u> sp.		Md., Mass., R.I.
112	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
112	<u>Albizia</u> sp.		Md.
201	<u>Baccharis halimifolia</u> L.		Fla.
112	<u>Betula populifolia</u> Marsh.		Md.
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
224	<u>Cocos nucifera</u> L.		Fla.
112	<u>Cornus</u> sp.		R.I.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
67	<u>Cryptomeria japonica</u> (L.f.) D. Don	Japan	
165	<u>Fraxinus americana</u> L.		N.Y.
195	<u>Ilex aquifolium</u> L.		N.J.
122	<u>Juglans</u> sp.		S. Rhodesia
195	<u>Juniperus sabina</u> L.		N.J.
11	<u>Liquidambar styraciflua</u> L.	Miss.	
11	<u>Magnolia grandiflora</u> L.	Tex.	Va.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus</u> Filipjev, 1934 (cont'd.)			
112	<u>Picea</u> sp.		N.Y., N.J.
112, 169, 195	<u>Picea abies</u> (L.) Karst.		(112) Me., R.I.; (169) Germany; (195) N.J.
10, 112	<u>Picea glauca</u> (Moench) Voss		(10) Canada; (112) R.I.
232	<u>Picea glehnii</u> (Fr. Schmidt) Mast.	Japan	
232	<u>Picea jezoensis</u> (Sieb. & Zucc.) Carr.	Japan	
10	<u>Picea mariana</u> (Mill.) B.S.P.		Canada
92, 112	<u>Picea pungens</u> Englem.		(92) Mich.; (112) Me.
11, 72, 112	<u>Pinus</u> sp.		(11) Ala., La.; (72) Fla., Ga., Miss.; (112) Me.
112	<u>Pinus mugo</u> Turra.		Me.
112, 204	<u>Pinus resinosa</u> Ait.		(112) Me.; (204) W. Va.
112	<u>Pinus strobus</u> L.		N.Y., Pa., R.I.
225	<u>Quercus palustris</u> Muenchh.	Del.	
195	<u>Rhododendron catawbiensis</u> Michx.		N.J.
11, 92, 112	<u>Taxus</u> sp.		(11) Va.; (92) Mich.; (112) N.J., Pa., R.I.
195	<u>Thuja occidentalis</u> var. <u>globosa</u> Beissn.		N.J.
112	<u>Tsuga</u> sp.		Me., N.J.
206	<u>Ulmus</u> sp.		Wash. D.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus brachyurus</u> (Godfrey, 1929) Filip. & Schuur. Stekh., 1941			
37	<u>Araucaria cunninghamii</u> D. Don		Australia
109	<u>Cinchona ledgeriana</u> Moens.		Cote-d'Ivoire
112	<u>Cornus</u> sp.		Pa.
109	<u>Coffea excelsa</u> Cheval.		Cote-d'Ivoire
37, 215	<u>Persea americana</u> Mill.		(37) Australia; (215) Fla.
11, 72	<u>Pinus</u> sp.		(11) Ga.; (72) Ala., La., Miss.
72	<u>Pinus palustris</u> Mill.		Ala.
112	<u>Pinus strobus</u> L.		Pa.
72	<u>Pinus taeda</u> L.		Ala.
201	<u>Serenoa repens</u> (Bartr.) Small		Fla.
109	<u>Theobroma cacao</u> L.		Cote-d'Ivoire
<u>Pratylenchus coffeae</u> (Zimmermann, 1898) Filipjev & Schuur. Stekh., 1941			
55	<u>Albizia falcata</u> (L.) Backer		Indonesia
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
55	<u>Cinchona succirubra</u> Pav.	Indonesia	
182	<u>Coffea</u> sp.		Indonesia
236	<u>Coffea arabica</u> L.		Indonesia
15	<u>Coffea excelsa</u> Cheval.		Indonesia
15	<u>Coffea quillon</u> Wester		Indonesia

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus coffeae</u> (Zimmermann, 1898) Filipjev & Schuur. Stekh., 1941 (cont'd.)			
55, 236	<u>Coffea robusta</u> Linden	(55) Indonesia	(236) Indonesia
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
55	<u>Hevea brasiliensis</u> Muell.-Arg.		Indonesia
37	<u>Juglans regia</u> L.	Australia	
116	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
55	<u>Leucaena glauca</u> Benth.		Indonesia
39	<u>Olea europaea</u> L.	Cal.	
117	<u>Pinus thunbergii</u> Parl.		Japan
37	<u>Prunus salicina</u> Lind.	Australia	
55	<u>Theobroma cacao</u> L.		Indonesia
182	<u>Swietenia</u> sp.		Barbados B.W.I.

Pratylenchus crenatus Loof, 1960

195	<u>Acer nigrum</u> Michx. f.		N.J.
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer palmatum</u> var. <u>rubrum</u> Schwerin.		N.J.
195	<u>Acer platanoides</u> L.		N.J.
195	<u>Acer platanoides</u> var. <u>schwedleri</u> (K. Koch) Schwerin		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Albizia julibrissin</u> Durazz.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus crenatus</u> Loof, 1960 (cont'd.)		
195	<u>Castanea molissima</u> Blume		N.J.
195	<u>Cedrus libani</u> Loud.		N.J.
195	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Crataegus phaenopyrum</u> (L.f.) Med.		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
195	<u>Ilex opaca</u> Ait.		N.J.
195	<u>Juniperus sabina</u> L.		N.J.
195	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		N.J.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Magnolia stellata</u> (Sieb. & Zucc.) Maxim		N.J.
195	<u>Oxydendrum arboreum</u> (L.) DC.		N.J.
195	<u>Picea abies</u> (L.) Karst.		N.J.
195	<u>Pinus rigida</u> Mill.		N.J.
195	<u>Pinus sylvestris</u> L.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Rhododendron catawbiensis</u> Michx.		N.J.

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Pratylenchus crenatus</u> Loof, 1960 (cont'd.)			
195	<u>Sophora japonica</u> L.		N.J.
195	<u>Sorbus aucuparia</u> L.		N.J.
195	<u>Taxus baccata</u> var. <u>dovastoni</u> Loud.		N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Tilia europaea</u> L.		N.J.
<u>Pratylenchus neglectus</u> (Rensch, 1924) Filipjev & Schuur. Stekh., 1941 (Syn.= <u>P. minyus</u> Sher & Allen, 1953)			
195	<u>Cornus florida</u> L.		N.J.
130, 145	<u>Ficus carica</u> L.		(130) Israel; (145) U.A.R. (Egypt)
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941			
110	<u>Abies</u> sp.		Belgium
144	<u>Abies alba</u> Mill.		Netherlands
117	<u>Abies homolepis</u> Sieb. & Zucc.		Japan
116	<u>Abies sachalinensis</u> Mast.		Japan
10, 112	<u>Acer</u> sp.		(10) Canada; (112) Mass.
144	<u>Acer campestre</u> L.	Netherlands	
112, 144, 195	<u>Acer negundo</u> L.	(144) Netherlands	(112) Mass.; (195) N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941 (cont'd.)		
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
144, 195	<u>Acer platanoides</u> L.	(144) Netherlands	(195) N.J.
144	<u>Acer pseudoplatanus</u> L.		Netherlands
195	<u>Acer rubrum</u> L.		N.J.
144	<u>Aesculus hippocastanum</u> L.	Netherlands	
144	<u>Ailanthus glandulosa</u> Desf.	Netherlands	
117, 144	<u>Alnus glutinosa</u> Gaertn.		(117) Japan; (144) Netherlands
144	<u>Alnus incana</u> Moench	Netherlands	
117	<u>Betula</u> sp.		Japan
195	<u>Betula populifolia</u> Marsh.		N.J.
144	<u>Betula verrucosa</u> Ehrh.	Netherlands	
195	<u>Broussonetia papyrifera</u> (L.) Vent.		N.J.
110	<u>Cedrus</u> sp.		Belgium
144	<u>Cedrus atlantica</u> Man.		Netherlands
195	<u>Cedrus deodara</u> (Roxb.) Loud.		N.J.
144	<u>Cercis siliquastrum</u> L.		Netherlands
110	<u>Chamaecyparis lawsoniana</u> (A. Murr.) Parl.	Belgium	
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941 (cont'd.)		
195	<u>Chamaecyparis pisifera</u> var. <u>plumosa</u> Beïssn.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
144	<u>Corylus avellana</u> L.		Netherlands
144	<u>Cotinus coggygia</u> Scop.	Netherlands	
144	<u>Cotoneaster integerrimus</u> Med.	Netherlands	
144	<u>Crataegus oxyacantha</u> L.	Netherlands	
114, 115	<u>Cryptomeria japonica</u> (L.f.) D. Don	Japan	
144	<u>Fagus silvatica</u> L.	Netherlands	
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
144	<u>Fraxinus excelsior</u> L.	Netherlands	
144, 195	<u>Ginkgo biloba</u> L.	(144) Netherlands	(195) N.J.
144	<u>Hibiscus syriacus</u> L.	Netherlands	
144	<u>Hippophae rhamnoides</u> L.	Netherlands	
110	<u>Juniperus</u> sp.		Belgium
195	<u>Juniperus chinensis</u> var. <u>sargentii</u> Henry		N.J.
149	<u>Juniperus scopulorum</u> Sarg.	Neb.	
149	<u>Juniperus virginiana</u> L.	Neb.	
141	<u>Laburnum anagyroides</u> Medic.	Netherlands	

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
	<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941 (cont'd.)		
116, 144	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.	(144) Netherlands	(116) Japan
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Liquidambar styraciflua</u> L.		N.J.
144	<u>Liriodendron tulipifera</u> L.	Netherlands	
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
110	<u>Picea</u> sp.		Belgium
144, 169, 195	<u>Picea abies</u> Karst.	(144) Netherlands	(169) Germany; (195) N.J.
117	<u>Picea excelsa</u> Link		Japan
149	<u>Picea glauca</u> (Moench) Voss	Neb.	
117	<u>Picea jezoensis</u> (Sieb. & Zucc.) Carr.		Japan
117	<u>Picea jezoensis</u> var. <u>hondoensis</u> Rehd.		Japan
53, 149, 169	<u>Picea pungens</u> Engelm.	(149) Neb.	(53) Ind.; (169) Germany
169	<u>Picea sitchensis</u> Carr.		Germany
11, 226	<u>Pinus</u> sp.	(11) Ark. (226) Germany	
117	<u>Pinus banksiana</u> Lamb.		Japan
116	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
144, 169	<u>Pinus mugo</u> var. <u>mughus</u> Willk.	(144) Netherlands	(169) Germany

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941 (cont'd.)		
195	<u>Pinus nigra</u> Arnold		N.J.
110, 144	<u>Pinus nigra</u> var. <u>austriaca</u> (Hoess) Aschers & Graebn.	(110) Belgium; (144) Netherlands	
144	<u>Pinus nigra</u> var. <u>calabrica</u> Schn.	Netherlands	
117	<u>Pinus resinosa</u> Ait.		Japan
195	<u>Pinus rigida</u> Mill.		N.J.
116, 195	<u>Pinus strobus</u> L.		(116) Japan; (174) N.J.
117, 144	<u>Pinus sylvestris</u> L.	(144) Netherlands	(117) Japan
117	<u>Pinus taeda</u> L.		Japan
117	<u>Pinus thunbergii</u> Parl.		Japan
112	<u>Pinus virginiana</u> Mill.		Md.
144	<u>Populus canadensis</u> var. <u>serotina</u> (Hartig) Rehd.	Netherlands	
144	<u>Prunus insititia</u> L.	Netherlands	
144	<u>Prunus mahaleb</u> L.	Netherlands	
144	<u>Prunus serotina</u> Ehrh.	Netherlands	
144	<u>Prunus spinosa</u> L.	Netherlands	
110	<u>Pseudotsuga</u> sp.		Belgium
195	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
195	<u>Quercus prinus</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus penetrans</u> (Cobb, 1917) Filipjev & Schuur. Stekh., 1941 (cont'd.)			
195	<u>Quercus velutina</u> Lam.		N.J.
144	<u>Rhamnus carthartica</u> L.	Netherlands	
144	<u>Rhamnus frangula</u> L.	Netherlands	
195	<u>Rhododendron catawbiensis</u> Michx.		N.J.
144	<u>Robinia pseudoacacia</u> L.	Netherlands	
144	<u>Sorbus aucuparia</u> L.	Netherlands	
144	<u>Taxodium distichum</u> Rich.	Netherlands	
195	<u>Taxus baccata</u> var. <u>dovastoni</u> Loud.		N.J.
110, 195	<u>Thuja</u> sp.		(110) Belgium; (195) N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Thuja occidentalis</u> var. <u>globosa</u> Beissn.		N.J.
144	<u>Thuja orientalis</u> L.		Netherlands
112	<u>Tsuga</u> sp.		N.J.
6	<u>Ulmus pumila</u> L.		Canada
144	<u>Viburnum lantana</u> L.	Netherlands	
<u>Pratylenchus pratensis</u> (deMan, 1880) Filipjev, 1936			
112	<u>Acer</u> sp.		Mass.
141	<u>Alnus</u> sp.	Netherlands	
42	<u>Cinnamomum camphora</u> (L.) Nees. & Eberm.	U.S.A.	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus pratensis</u> (deMan, 1880) Filipjev, 1936 (cont'd.)		
112	<u>Cornus</u> sp.		Pa.
141	<u>Laburnum anagyroides</u> Medic.	Netherlands	
44	<u>Persea americana</u> Mill.	Fla.	
143	<u>Picea abies</u> (L.) Karst.	Netherlands	
112	<u>Picea pungens</u> Engelm.		Pa.
112	<u>Pinus resinosa</u> Ait.		Pa.
112	<u>Pinus strobus</u> L.		Pa.
112, 143	<u>Pinus sylvestris</u> L.	(143) Netherlands	(112) Pa.
141	<u>Populus</u> sp.		Netherlands
112	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		Pa.
112	<u>Quercus palustris</u> Muenchh.		Pa., R.I.
141	<u>Sorbus aucuparia</u> L.	Netherlands	
110, 112	<u>Taxus</u> sp.		(110) Belgium; (112) Pa.
76	<u>Tsuga</u> sp.		N.J.
	<u>Pratylenchus thornei</u> Sher & Allen, 1953		
182	<u>Cupressus</u> sp.		Cal.
182	<u>Juglans</u> sp.		Cal.
182	<u>Quercus</u> sp.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Pratylenchus scribneri</u> Steiner, 1943			
33	<u>Carpinus caroliniana</u> Walt.		Fla.
33	<u>Celtis laevigata</u> Willd.		Fla.
130	<u>Ficus carica</u> L.		Israel
72	<u>Pinus</u> sp.		S.C.
195	<u>Sophora japonica</u> L.		N.J.
<u>Pratylenchus vulnus</u> Allen & Jensen, 1951			
195	<u>Acer saccharinum</u> L.		N.J.
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
182	<u>Ficus carica</u> L.		Cal.
5, 104	<u>Juglans hindsii</u> Jeps.	(104) Cal.	(5) Cal.
87	<u>Juglans nigra</u> L.		Cal.
116	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
5	<u>Olea europaea</u> L.		Cal.
5	<u>Persea americana</u> Mill.		Cal.
195	<u>Prunus americana</u> Marsh.		N.J.
5	<u>Salix babylonica</u> L.		Cal.
76	<u>Taxus</u> sp.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Pratylenchus zeae</u> Graham, 1951		
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
168	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		N.C.
168	<u>Pinus taeda</u> L.		N.C.
	<u>Radopholus</u> Thorne, 1949		
122	<u>Neowashingtonia</u> sp.		S. Rhodesia
	<u>Radopholus inaequalis</u> Sauer, 1958		
172	<u>Codonocarpus cotinifolius</u> F.v.M.		Australia
	<u>Radopholus neosimilis</u> Sauer, 1958		
172	<u>Codonocarpus cotinifolius</u> F.v.M.		Australia
	<u>Radopholus similis</u> (Cobb, 1893) Thorne, 1949		
19	<u>Albizia lebbek</u> (L.) Benth.		Fla.
23	<u>Chrysophyllum cainito</u> L.		Fla.
19	<u>Cinnamomum camphora</u> Nees. & Eberm.		Fla.
224	<u>Cocos nucifera</u> L.		Jamaica B.W.I., Fla.
236	<u>Coffea arabica</u> L.	Indonesia	
15	<u>Coffea quillon</u> Webster	Indonesia	
236	<u>Coffea robusta</u> Linden	Indonesia	
19	<u>Collinia elegans</u> Liebm.		Fla.
19	<u>Delonix regia</u> Raf.		Fla.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Radopholus similis</u> (Cobb, 1893) Thorne, 1949 (cont'd.)		
19	<u>Diospyros kaki</u> L.		Fla.
23	<u>Diospyros virginiana</u> L.		Fla.
19	<u>Eriobotrya japonica</u> Lindl.		Fla.
19	<u>Magnolia grandiflora</u> L.		Fla.
233	<u>Mangifera indica</u> L.	Fla.	
233	<u>Persea americana</u> Mill.	Fla.	
19	<u>Phoenix canariensis</u> Chabaud.		Fla.
188	<u>Pinus excelsa</u> Wall.		W. Pakistan
19	<u>Podocarpus macrophylla</u> (Thunb.) D. Don		Fla.
19	<u>Psidium cattleianum</u> Sabine		Fla.
	<u>Rhadinaphelenchus cocophilus</u> (Cobb, 1919) Goodey, 1960		
62	<u>Cocos nucifera</u> L.	Trinidad B.W.I.	
	<u>Rotylenchulus</u> Linford & Oliveira, 1940		
224	<u>Cocos nucifera</u> L.	Fla.; Jamaica B.W.I.	
11	<u>Pinus</u> sp.		La.
	<u>Rotylenchulus reniformis</u> Linford & Oliveira, 1940		
148	<u>Chrysalidocarpus lutescens</u> Wendl.		Bermuda
109, 161	<u>Cocos nucifera</u> L.		(109) Togo; (161) Guam

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Rotylenchulus reniformis</u> Linford & Oliveira, 1940 (cont'd.)			
109, 148	<u>Persea americana</u> Mill.	(109) Ghana	(148) Bermuda
147	<u>Poinciana pulcherrima</u> L.		Cote-d'Ivoire
98	<u>Schinus terebinthifolius</u> Raddi.		Hawaii
12	<u>Swietenia mahoganii</u> Jacq.		Puerto Rico
<u>Rotylenchus</u> Filipjev, 1936			
10	<u>Abies balsamea</u> (L.) Mill.		Canada
67	<u>Acacia mollissima</u> Willd.		Japan
10	<u>Acer</u> sp.		Canada
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
161	<u>Cocos nucifera</u> L.		Guam
112	<u>Cornus</u> sp.		Pa.
67	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
130	<u>Ficus nitida</u> Thunb. & Hort.		Israel
165	<u>Fraxinus americana</u> L.		N.Y.
10	<u>Larix laricina</u> (DuRoi) K. Koch		Canada
11	<u>Magnolia</u> sp.	Tex.	Va.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
122	<u>Neowashingtonia</u> sp.		S. Rhodesia
226	<u>Picea abies</u> (L.) Karst.	Germany	
10	<u>Picea glauca</u> (Moench) Voss		Canada
226	<u>Picea omorika</u> (Pancic) Purkyne	Germany	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
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Rotylenchus Filipjev, 1936 (cont'd.)

226	<u>Picea sitchensis</u> (Bong.) Carr.	Germany	
72	<u>Pinus</u> sp.		Ga.
67	<u>Pinus densiflora</u> Sieb & Zucc.		Japan
112	<u>Pinus resinosa</u> Ait.		Me.
10	<u>Pinus strobus</u> L.		Canada
67	<u>Pinus thunbergii</u> Parl.		Japan
10	<u>Populus</u> sp.		Canada
11	<u>Quercus</u> sp.		Va.
11	<u>Quercus stellata</u> Wangenh.		Tex.
10	<u>Taxus canadensis</u> Marsh.		Canada
10	<u>Ulmus</u> sp.		Canada

Rotylenchus breviglans Sher, 1965

179	<u>Persea americana</u> Mill.		Cal.
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Rotylenchus buxophilus Golden, 1956

82	<u>Cedrus deodara</u> (Roxb.) Loud.		India
179	<u>Cupressus sempervirens</u> L.		Spain
179	<u>Eucalyptus</u> sp.		Cal.
112	<u>Pinus</u> sp.		W. Va.

Rotylenchus fallorobustus Sher, 1965
(Syn.=R. robustus Goodey & Seinhorst, 1960)

234	<u>Carpinus betulus</u> L.		England
234	<u>Quercus robur</u> L.		England

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Rotylenchus goodeyi</u> Loof & Oostenbrink, 1940			
234	<u>Carpinus betulus</u> L.		England
234	<u>Quercus robur</u> L.		England
76	<u>Taxus</u> sp.		N.J.
76	<u>Tsuga</u> sp.		N.J.
<u>Rotylenchus robustus</u> (deMan, 1876) Filipjev, 1936 (Syn. = <u>R. uniformis</u> (Thorne, 1949) Loof & Oostenbrink, 1958; <u>Hoplolaimus uniformis</u> Thorne, 1949)			
110	<u>Abies</u> sp.		Belgium
112	<u>Acer</u> sp.		R.I.
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer palmatum</u> var. <u>rubrum</u> Schwerin.		N.J.
110	<u>Cedrus</u> sp.		Belgium
110	<u>Chamaecyparis lawsoniana</u> (A. Murr.) Parl.	Belgium	
195	<u>Chamaecyparis pisifera</u> var. <u>plumosa</u> Beissn.		N.J.
28	<u>Cordia goeldiana</u> Huber		Brazil
76, 112	<u>Cornus</u> sp.	(76) N.J.	(112) R.I.
195, 208	<u>Cornus florida</u> L.	(208) R.I.	(195) N.J.
195, 208	<u>Cornus florida</u> var. <u>rubra</u> Andre	(208) R.I.	(195) N.J.
76, 112	<u>Cupressus</u> sp.	(76) N.J.	(112) N.J.
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
110, 112	<u>Juniperus</u> sp.		(110) Belgium; (112) Md.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Rotylenchus robustus</u> (deMan, 1876) Filipjev, 1936 (cont'd.)			
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
86, 110, 179	<u>Picea</u> sp.	(86) U.S.A*	(110) Belgium; (179) England
110, 112, 169	<u>Picea abies</u> (L.) Karst.	(110) Belgium	(112) R.I.; (169) Germany
169	<u>Picea pungens</u> Engelm.		Germany
63, 169	<u>Picea sitchensis</u> (Bong.) Carr.		(63) England; (169) Germany
76, 110, 142, 226	<u>Pinus</u> sp.	(76) N.J.; (110) Belgium; (142) Netherlands; (226) Germany	
169	<u>Pinus mugo</u> var. <u>mughus</u> Willk.		Germany
112	<u>Pinus strobus</u> L.		N.J.
110	<u>Pseudotsuga</u> sp.		Belgium
195	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		N.J.
112	<u>Quercus</u> sp.		W. Va.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
28	<u>Rhopala brasiliensis</u> Kolzsch		Brazil
76, 110, 112	<u>Taxus</u> sp.	(76) N.J.	(110) Belgium; (112) N.J., R.I., Md.
195	<u>Taxus cuspidata</u> Sieb. & Zucc.		N.J.
110, 195	<u>Thuja</u> sp.		(110) Belgium; (174) N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Rotylenchus robustus</u> (deMan, 1876) Filipjev, 1936 (cont'd.)		
208	<u>Thuja occidentalis</u> L.	R.I.	
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Thuja occidentalis</u> var. <u>globosa</u> Beissn.		N.J.
28	<u>Ulmus americana</u> L.		Brazil
	<u>Rotylenchus rugatocuticulatus</u> Sher, 1965		
179	<u>Pinus</u> sp.		France
	<u>Scutellonema</u> Andrassy, 1958		
122	<u>Acacia mollissima</u> Willd.		S. Rhodesia
	<u>Scutellonema aberrans</u> (Whitehead, 1959) Sher, 1961		
177	<u>Cocos nucifera</u> L.		Nigeria
177	<u>Theobroma cacao</u> L.		Nigeria
	<u>Scutellonema bradys</u> (Steiner & LeHew, 1933) Andrassy, 1958		
109	<u>Cocos nucifera</u> L.	Togo	
177	<u>Elaeis guineensis</u> Jacq.		Nigeria
177	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
177	<u>Quercus</u> sp.		Fla.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Scutellonema brachyurum</u> (Steiner, 1938) Andrassy, 1958 (Syn.= <u>Rotylenchus boocki</u> Lordello, 1957)		
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
177	<u>Erythrina</u> sp.		Cal.
93	<u>Eucalyptus</u> sp.		Peru
177	<u>Ficus elastica</u> Nois.		Cal.
177	<u>Juglans</u> sp.		Cal.
177	<u>Persea americana</u> Mill.		Cal.
86	<u>Picea abies</u> (L.) Karst.		Md.
116	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
177	<u>Prunus</u> sp.		Australia
177	<u>Taxus</u> sp.		Cal.
	<u>Scutellonema cavenessi</u> Sher, 1963		
177	<u>Elaeis guineensis</u> Jacq.		Nigeria
177	<u>Hevea brasiliensis</u> Muell.-Arg.		Nigeria
177	<u>Theobroma cacao</u> L.		Nigeria
	<u>Scutellonema magniphasmum</u> Sher, 1963		
177	<u>Adansonia digitata</u> L.		S. Rhodesia
	<u>Scutellonema mangifera</u> Khan & Basir, 1965		
91	<u>Mangifera indica</u> L.		India

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Scutellonema truncatum</u> Sher, 1963		
177	<u>Ficus carica</u> L.		S. Rhodesia
	<u>Scutellonema validum</u> Sher, 1963		
177	<u>Theobroma cacao</u> L.		Nigeria
	<u>Sphaeronema californicum</u> Raski & Sher, 1952		
157	<u>Umbellularia californica</u> (Hook. & Arn.) Nutt.		Cal.
	<u>Sphaeronema whittoni</u> Sledge & Christie, 1962		
194	<u>Liquidambar styraciflua</u> L.		Fla.
	<u>Trichodorus</u> Cobb, 1913		
112	<u>Acer</u> sp.		Mass., Md., R.I.
201	<u>Baccharis halimifolia</u> L.		Fla.
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.	Japan	
224	<u>Cocos nucifera</u> L.		Fla., Jamaica B.W.I.
76, 112	<u>Cornus</u> sp.		(76) N.J.; (112) Pa.
67	<u>Cryptomeria japonica</u> (L.f.) D. Don	Japan	
76	<u>Cupressus</u> sp.		N.J.
17	<u>Fagus silvatica</u> L.		Germany
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)

<u>Reference</u>	<u>Associated trees</u>	<u>Associated with plant injury</u>	<u>Found but not yet assoc. with injury</u>
<u>Trichodorus Cobb, 1913 (cont'd.)</u>			
165	<u>Fraxinus americana</u> L.		N.J.
11	<u>Juniperus</u> sp.		Ga.
11	<u>Liquidambar styraciflua</u> L.	Miss.	
11	<u>Magnolia</u> sp.	Ala.	
211	<u>Mangifera</u> sp.		U.A.R. (Egypt)
76, 112	<u>Picea</u> sp.		(76) N.J.; (112) N.Y.
92	<u>Picea pungens</u> Engelm.		Mich.
63	<u>Picea sitchensis</u> (Bong.) Carr.		England
1, 11, 72	<u>Pinus</u> sp.	(11) Ala.	(1) S.C.; (11) La. (72) Ala., Fla., Ga., N.C., Miss.
67	<u>Pinus densiflora</u> Sieb. & Zucc.	Japan	
204	<u>Pinus resinosa</u> Ait.		W. Va.
112	<u>Pinus rigida</u> Mill.		N.J.
112, 195	<u>Pinus strobus</u> L.		(112) Mass.; (195) N.J.
67	<u>Pinus thunbergii</u> Parl.	Japan	
11	<u>Quercus</u> sp.	Ala.	Ala.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
112	<u>Taxus</u> sp.		Md.
195	<u>Ulmus parvifolia</u> Jacq.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Trichodorus aequalis</u> Allen, 1957			
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Acer saccharum</u> Marsh.		N.J.
195	<u>Carya ovata</u> (Mill.) K. Koch		N.J.
195	<u>Cornus florida</u> L.		N.J.
4	<u>Eucalyptus</u> sp.		Cal.
195	<u>Fraxinus americana</u> L.		N.J.
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Kalmia latifolia</u> L.		N.J.
4	<u>Pinus</u> sp.		Colo.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Viburnum prunifolium</u> L.		N.J.
<u>Trichodorus atlanticus</u> Allen, 1957			
4	<u>Pinus clausa</u> (Chapm.) Vasey		Fla.
112	<u>Pinus virginiana</u> Mill.		Md.
<u>Trichodorus californicus</u> Allen, 1957			
164	<u>Acer saccharum</u> Marsh.		Wisc.
4	<u>Laurus</u> sp.		Cal.
4	<u>Pinus attenuata</u> Lemm.		Cal.
4	<u>Quercus</u> sp.		Cal.
4	<u>Salix</u> sp.		Cal.
4	<u>Sequoia sempervirens</u> (D. Don) Endl.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Trichodorus cedarus</u> Yokoo, 1964			
118	<u>Abies homolepis</u> Sieb. & Zucc.		Japan
118	<u>Abies sachalinensis</u> Mast.		Japan
118	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc. Endl.		Japan
118	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
118	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
118	<u>Picea jezoensis</u> var. <u>hondoensis</u> Rehd.		Japan
118	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
118	<u>Pinus resinosa</u> Ait.		Japan
118	<u>Pinus strobus</u> L.		Japan
118	<u>Pinus sylvestris</u> L.		Japan
<u>Trichodorus christiei</u> Allen, 1957			
195	<u>Castanea dentata</u> (Marsh.) Borkh.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
195	<u>Kalmia latifolia</u> L.		N.J.
86	<u>Picea abies</u> (L.) Karst.	U.S.A.*	
74	<u>Pinus</u> sp.		Ala.
168	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.		N.C.
168	<u>Pinus palustris</u> Mill.		N.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Trichodorus christiei</u> Allen, 1957 (cont'd.)			
86	<u>Pinus strobus</u> L.	U.S.A.	
168	<u>Pinus taeda</u> L.		N.C.
195	<u>Quercus marilandica</u> Muenchh.		N.J.
195	<u>Quercus prinus</u> L.		N.J.
<u>Trichodorus elegans</u> Allen, 1957			
138	<u>Pinus monticola</u> Dougl.	Ida.	
<u>Trichodorus minor</u> Colbran, 1956			
118	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
118	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
118	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
118	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
118	<u>Pinus thunbergii</u> Parl.		Japan
<u>Trichodorus pachydermus</u> Seinhorst, 1954			
76	<u>Chamaecyparis</u> sp.		N.J.
4	<u>Crataegus</u> sp.		Netherlands
112	<u>Cupressus</u> sp.		N.J.
4	<u>Fagus</u> sp.		Netherlands
4	<u>Morus</u> sp.		Netherlands
76	<u>Picea</u> sp.		N.J.
4	<u>Quercus</u> sp.		Netherlands
195	<u>Rhododendron catawbiense</u> Michx.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Trichodorus porosus</u> Allen, 1957		
195	<u>Acer saccharinum</u> L.		N.J.
195	<u>Chionanthus virginicus</u> L.		N.J.
118	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
195	<u>Picea pungens</u> var. <u>glauca</u> Beissn.		N.J.
118	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
195	<u>Pinus mugo</u> var. <u>mughus</u> (Scop.) Zenari		N.J.
195	<u>Pinus thunbergii</u> Parl.		N.J.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
	<u>Trichodorus primitivus</u> (deMan, 1880) Micoletzky, 1922		
112	<u>Albizia</u> sp.		Md.
11	<u>Pinus</u> sp.	Ala.	Ala.
	<u>Trichodorus proximus</u> Allen, 1957		
201	<u>Magnolia virginiana</u> L.		Fla.
	<u>Trichodorus teres</u> Hooper, 1962		
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Trophotylenchulus floridensis</u> Raski, 1957			
154	<u>Diospyros</u> sp.		Fla.
154	<u>Magnolia</u> sp.		Fla.
154	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		Fla.
<u>Tylenchorhynchus</u> Cobb, 1913			
122	<u>Acacia mollissima</u> Willd.		S. Rhodesia
112	<u>Acer</u> sp.		Md., R.I.
161	<u>Acer saccharum</u> Marsh.		Wisc.
11	<u>Cercis</u> sp.		Tex.
224	<u>Cocos nucifera</u> L.		Fla.
112	<u>Cornus</u> sp.		R.I.
195	<u>Cornus florida</u> L.		N.J.
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
93	<u>Eucalyptus</u> sp.		Peru
17	<u>Fagus sylvatica</u> L.		Germany
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165	<u>Fraxinus americana</u> L.		N.Y.
112	<u>Liquidambar styraciflua</u> L.		Md.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
122	<u>Neowashingtonia</u> sp.		S. Rhodesia
112	<u>Picea</u> sp.		N.Y.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Tylenchorhynchus</u> Cobb, 1913 (cont'd.)			
112, 226	<u>Picea abies</u> (L.) Karst.	(226) Germany	(112) R.I.
226	<u>Picea omorika</u> (Pancic) Purkyne	Germany	
92	<u>Picea pungens</u> Engelm.		Mich.
226	<u>Picea sitchensis</u> (Bong.) Carr.	Germany	
72	<u>Pinus</u> sp.		Fla., La.
10	<u>Pinus banksiana</u> Lamb.		Canada
116	<u>Pinus densiflora</u> Sieb. & Zucc.		Japan
11	<u>Pinus echinata</u> Mill.		La.
11, 72	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.	(72) La.	(11) La.
138	<u>Pinus monticola</u> Dougl.		Ida.
11	<u>Pinus palustris</u> Mill.		La.
10, 112	<u>Pinus strobus</u> L.		(10) Canada; (112) R.I.
17	<u>Pinus sylvestris</u> L.		Germany
11	<u>Pinus taeda</u> L.		La.
11	<u>Quercus</u> sp.		Va.
11	<u>Quercus phellos</u> L.		Tex.
11	<u>Quercus stellata</u> Wangenh.		Tex.
92, 112	<u>Taxus</u> sp.		(92) N.J.; (112) Md., Pa.
92	<u>Thuja</u> sp.		Mich.
112, 206	<u>Ulmus</u> sp.		(112) Mass.; (206) Wash. D.C.
92	<u>Viburnum</u> sp.		Mich.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Tylenchorhynchus acti</u> Hopper, 1959		
100	<u>Phoenix dactylifera</u> L.		Italy
	<u>Tylenchorhynchus acutus</u> Allen, 1955		
11	<u>Pinus</u> sp.		Tex.
11	<u>Ulmus</u> sp.	Ala.	
	<u>Tylenchorhynchus brevicaudatus</u> Hopper, 1959		
73	<u>Populus tremuloides</u> Michx.		Ut.
	<u>Tylenchorhynchus brevidens</u> Allen, 1955		
53	<u>Picea pungens</u> Engelm.		Ind.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
	<u>Tylenchorhynchus claytoni</u> Steiner, 1937		
112	<u>Acer</u> sp.		Mass.
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer platanooides</u> var. <u>schwedleri</u> (K. Koch) Schwerin.		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Betula populifolia</u> Marsh.		N.J.
67, 116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.	(67) Japan	(116) Japan
112	<u>Cornus</u> sp.		N.J.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Cornus florida</u> var. <u>rubra</u> Andre.		N.J.
67, 116	<u>Cryptomeria japonica</u> (L.f.) D. Don	(67) Japan	(116) Japan

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Tylenchorhynchus claytoni</u> Steiner, 1937 (cont'd.)			
195	<u>Gleditsia triacanthos</u> var. <u>inermis</u> Pursh.		N.J.
195	<u>Ilex aquifolium</u> L.		N.J.
195	<u>Ilex opaca</u> Ait.		N.J.
195	<u>Juniperus</u> sp.		N.J.
203	<u>Larix laricina</u> (DuRoi) K. Koch		* W. Va.
203	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		* W. Va.
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
112	<u>Liriodendron</u> sp.		N.J.
11	<u>Magnolia</u> sp.	Ala.	
203	<u>Picea abies</u> (L.) Karst.		W. Va.
203	<u>Picea rubens</u> Sarg.		* W. Va.
11, 67, 72	<u>Pinus</u> sp.	(11) N.C., Miss.; (72) Fla., Ga. (67) Japan	Miss., N.C.
67, 116	<u>Pinus densiflora</u> Sieb. & Zucc.	(67) Japan	(116) Japan
203	<u>Pinus echinata</u> Mill.		* W. Va.
72, 168	<u>Pinus elliotii</u> var. <u>elliottii</u> Engelm.	(72) Miss.	(168) N.C.
168	<u>Pinus palustris</u> Mill.		N.C.
203	<u>Pinus resinosa</u> Ait.		W. Va.
203	<u>Pinus strobus</u> L.		* W. Va.
203	<u>Pinus sylvestris</u> L.		* W. Va.
116, 168	<u>Pinus taeda</u> L.		(116) Japan; (168) N.C.
67	<u>Pinus thunbergii</u> Parl.	Japan	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Tylenchorhynchus claytoni</u> Steiner, 1937 (cont'd.)			
112, 203	<u>Pinus virginiana</u> Mill.		(112) Md.; (203) * W. Va.
195	<u>Platanus occidentalis</u> L.		N.J.
195	<u>Prunus americana</u> Marsh.		N.J.
203	<u>Quercus prinus</u> L.		* W. Va.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
203	<u>Robinia pseudoacacia</u> L.		* W. Va.
112	<u>Salix</u> sp.		N.J.
195	<u>Sorbus aucuparia</u> L.		N.J.
195	<u>Styrax japonica</u> Sieb. & Zucc.		N.J.
112	<u>Taxus</u> sp.		N.J.
195	<u>Thuja</u> sp.		N.J.
195	<u>Thuja occidentalis</u> var. <u>fastigiata</u> Beissn.		N.J.
195	<u>Thuja standishii</u> (Gord.) Carr.		N.J.
112	<u>Tsuga</u> sp.		Md., N.J.
195	<u>Tsuga canadensis</u> (L.) Carr.		N.J.
8	<u>Ulmus</u> sp.		Canada
195	<u>Ulmus americana</u> L.		N.J.
195	<u>Ulmus parvifolia</u> Jacq.		N.J.
<u>Tylenchorhynchus conicus</u> Allen, 1955			
3	<u>Juniperus</u> sp.		Ut.
3	<u>Pinus</u> sp.		Cal.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Tylenchorhynchus cylindricus</u> Cobb, 1913		
3	<u>Juniperus</u> sp.		Ut.
	<u>Tylenchorhynchus dubius</u> (Bütschli, 1873) Filipjev, 1936		
112	<u>Acer</u> sp.		Mass.
112	<u>Acer negundo</u> L.		Mass.
226	<u>Pinus</u> sp.	Germany	
195	<u>Pinus rigida</u> Mill.		N.J.
112	<u>Taxus</u> sp.		Md.
112	<u>Tsuga</u> sp.		Md.
	<u>Tylenchorhynchus ewingi</u> Hopper, 1959		
73	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.	La.	Tex.
	<u>Tylenchorhynchus latus</u> Allen, 1955		
145	<u>Ficus carica</u> L.		U.A.R.(Egypt)
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
	<u>Tylenchorhynchus maximus</u> Allen, 1955		
10	<u>Abies balsamea</u> (L.) Mill.		Canada
10	<u>Acer</u> sp.		Canada
10	<u>Picea glauca</u> (Moench) Voss		Canada
10	<u>Pinus strobus</u> L.		Canada
	<u>Tylenchorhynchus microphasmis</u> Loof, 1959		
100	<u>Cocos nucifera</u> L.		Congo

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Tylenchorhynchus nudus</u> Allen, 1955		
100	<u>Cocos nucifera</u> L.		Ceylon
	<u>Tylenchorhynchus parvus</u> Allen, 1955		
53	<u>Picea pungens</u> Engelm.		Ind.
	<u>Tylenchorhynchus rugosus</u> Siddiqi, 1963		
190	<u>Salix babylonica</u> L.		India
	<u>Tylenchorhynchus superbus</u> Allen, 1955		
3	<u>Pinus attenuata</u> Lemm.		Cal.
	<u>Tylenchulus semipenetrans</u> Cobb, 1913		
137	<u>Diospyros lotus</u> L.		Cal.
36	<u>Diospyros virginiana</u> L.	Israel	
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
201	<u>Magnolia virginiana</u> L.		Fla.
201	<u>Myrica cerifera</u> L.		Fla.
14, 37	<u>Olea europaea</u> L.	(14) Cal.	(37) Australia
	<u>Tyloclonus acuminatus</u> Meagher, 1963		
127	<u>Eucalyptus</u> sp.		Australia

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Xiphinema</u> Cobb, 1913			
122	<u>Acacia mollissima</u> Willd.		S. Rhodesia
112	<u>Acer</u> sp.		Md., R.I.
28	<u>Cariniana</u> sp.		Brazil
67	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
161, 224	<u>Cocos nucifera</u> L.		(161) Guam; (224) Fla., Jamaica B.W.I.
109	<u>Elaeis guineensis</u> Jacq.		Cote-d'Ivoire
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165	<u>Fraxinus americana</u> L.		N.Y.
122	<u>Juglans</u> sp.		S. Rhodesia
112	<u>Juniperus</u> sp.		Del., N.J.
11	<u>Magnolia grandiflora</u> L.		Va.
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
133	<u>Olea</u> sp.		Israel
133	<u>Persea americana</u> Mill.		Israel
112	<u>Picea</u> sp.		N.Y.
112	<u>Picea abies</u> (L.) Karst.		R.I.
1	<u>Pinus</u> sp.		S.C.
11	<u>Pinus echinata</u> Mill.		Va.
112	<u>Pinus strobus</u> L.		R.I.
11	<u>Pinus taeda</u> L.	Tex.	
11	<u>Quercus stellata</u> Wangerh.	Tex.	

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Xiphinema</u> Cobb, 1913 (cont'd.)			
11	<u>Taxus</u> sp.		Va.
112	<u>Tsuga</u> sp.		Md., N.J.
206	<u>Ulmus</u> sp.		Wash. D.C.
<u>Xiphinema americanum</u> Cobb, 1913			
170	<u>Abies</u> sp.		Canada
10	<u>Abies balsamea</u> (L.) Mill.		Canada
117	<u>Abies homolepis</u> Sieb. & Zucc.		Japan
10, 112	<u>Acer</u> sp.		(10) Canada; (112) Mass., Md.
195	<u>Acer nigrum</u> Michx. f.		N.J.
195	<u>Acer palmatum</u> var. <u>atropurpureum</u> (Vanh.) Schwer.		N.J.
195	<u>Acer platanoides</u> L.		N.J.
195	<u>Acer rubrum</u> L.		N.J.
195	<u>Acer saccharinum</u> L.		N.J.
161	<u>Acer saccharum</u> Marsh.	Wisc.	
195	<u>Cercis canadensis</u> L.		N.J.
116	<u>Chamaecyparis obtusa</u> (Sieb. & Zucc.) Endl.		Japan
112	<u>Cornus</u> sp.		N.J., Pa., W. Va.
195	<u>Cornus florida</u> L.		N.J.
195	<u>Crataegus phaenopyrum</u> (L.f.) Med.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Xiphinema americanum</u> Cobb, 1913 (cont'd.)			
116	<u>Cryptomeria japonica</u> (L.f.) D. Don		Japan
148	<u>Delonix regia</u> (Bojer) Raf.		Bermuda
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
165, 195	<u>Fraxinus americana</u> L.		(165) N.Y.; (195) N.J.
195	<u>Fraxinus pensylvanica</u> Marsh.		N.J.
195	<u>Ginkgo biloba</u> L.		N.J.
195	<u>Hibiscus syriacus</u> L.		N.J.
11	<u>Juniperus</u> sp.		Ga.
148	<u>Juniperus bermudiana</u> L.		Bermuda
195	<u>Juniperus chinensis</u> var. <u>sargentii</u> Henry		N.J.
116	<u>Larix leptolepis</u> (Sieb. & Zucc.) Rehd.		Japan
195	<u>Ligustrum ovalifolium</u> Hassk.		N.J.
11	<u>Magnolia</u> sp.		Ga.
130, 145, 184	<u>Mangifera indica</u> L.		(130) Israel; (145) U.A.R. (Egypt); (184) India
175	<u>Metrosideros collina</u> (Forst.) Gray	Hawaii	
195	<u>Morus alba</u> L.		N.J.
133	<u>Olea</u> sp.		Israel
195	<u>Oxydendrum arboreum</u> (L.) DC.		N.J.
37, 133	<u>Persea americana</u> Mill.		(37) Australia; (133) Israel
112	<u>Picea abies</u> (L.) Karst.		Md.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Xiphinema americanum</u> Cobb, 1913 (cont'd.)			
117	<u>Picea excelsa</u> Link		Japan
10, 51	<u>Picea glauca</u> var. <u>glauca</u> (Moench) Voss	(51) Wisc.	(10) Canada
117	<u>Picea jezoensis</u> var. <u>hondoensis</u> Rehd.		Japan
51, 53, 170	<u>Picea pungens</u> Engelm.	(51) Wisc.	(53) Ind.; (170) Canada
11, 72, 237	<u>Pinus</u> sp.	(11) Ala., La.	(11) Ark., Ga., La.; (72) Ala., Fla., Miss., N.C., S.C.; (237) Mass.
64	<u>Pinus banksiana</u> Lamb.		Wisc.
11, 112, 166	<u>Pinus echinata</u> Mill.	(166) Ala., Ga., S.C., N.C., Va.	(11) Ark., La.; (112) N.J.
11, 168	<u>Pinus elliotii</u> var. <u>elliotii</u> Engelm.		(11) La.; (168) N.C.
149	<u>Pinus nigra</u> Arnold	Neb.	
11	<u>Pinus palustris</u> Mill.		La.
149	<u>Pinus ponderosa</u> Laws.	Neb.	
112, 117	<u>Pinus resinosa</u> Ait.		(112) Pa., Mass.; (117) Japan
195	<u>Pinus rigida</u> Mill.		N.J.
10, 112, 116	<u>Pinus strobus</u> L.		(10) Canada; (112) Md., Mass.; (116) Japan
117	<u>Pinus sylvestris</u> L.		Japan
11, 168	<u>Pinus taeda</u> L.	(11) S.C.	(11) Ark., La.; (168) N.C.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
<u>Xiphinema americanum</u> Cobb, 1913 (cont'd.)			
112	<u>Pinus virginiana</u> Mill.		Md.
195	<u>Platanus occidentalis</u> L.		N.J.
10	<u>Populus</u> sp.		Canada
195	<u>Prunus americana</u> Marsh.		N.J.
195	<u>Prunus virginiana</u> L.		N.J.
112	<u>Pseudotsuga menziesii</u> (Mirb.) Franco		Pa.
11	<u>Quercus</u> sp.	Ga.	
32	<u>Quercus laurifolia</u> Michx.	Fla.	
112, 195	<u>Quercus palustris</u> Muenchh.		(112) Pa.; (195) N.J.
195	<u>Quercus rubra</u> L.		N.J.
195	<u>Rhododendron catawbiense</u> Michx.		N.J.
195	<u>Sorbus aucuparia</u> L.		N.J.
76, 112	<u>Taxus</u> sp.		(76) N.J.; (112) Mass., Md., Pa.
10	<u>Taxus canadensis</u> Marsh.		Canada
170, 195	<u>Thuja</u> sp.		(170) Canada; (195) N.J.
195	<u>Thuja standishii</u> (Gord.) Carr.		N.J.
195	<u>Tilia europaea</u> L.		N.J.
112	<u>Tsuga</u> sp.		N.J.
112, 170	<u>Ulmus</u> sp.		(112) Mass.; (170) Canada
9	<u>Ulmus americana</u> L.		Canada
195	<u>Viburnum prunifolium</u> L.		N.J.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Xiphinema arcum</u> Khan, 1964		
89	<u>Cedrus deodara</u> (Roxb.) Loud.		India
	<u>Xiphinema attorodorum</u> Luc, 1961		
108	<u>Cocos nucifera</u> L.		Togo
	<u>Xiphinema chambersi</u> Thorne, 1939		
195	<u>Fagus grandifolia</u> Ehrh.		N.J.
195	<u>Fraxinus americana</u> L.		N.J.
72	<u>Pinus</u> sp.		Fla.
11	<u>Pinus echinata</u> Mill.		La.
11	<u>Pinus palustris</u> Mill.		La.
11	<u>Pinus taeda</u> L.		La.
195	<u>Prunus virginiana</u> L.		N.J.
195	<u>Quercus palustris</u> Muenchh.		N.J.
	<u>Xiphinema coxi</u> Tarjan, 1964		
212	<u>Cocos nucifera</u> L.		Fla.
	<u>Xiphinema dimorphicaudatum</u> Heyns, 1966		
70	<u>Acacia</u> sp.		Union South Africa
70	<u>Pinus</u> sp.		Union South Africa
	<u>Xiphinema diversicaudatum</u> (Micoletzky, 1927) Thorne, 1939		
109	<u>Chinchona ledgeriana</u> Moens		Cote-d'Ivoire
112	<u>Pinus virginiana</u> Mill.		Md.

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Xiphinema elongatum</u> Schuur. Stekh. & Teunissen, 1938		
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
	<u>Xiphinema flagellicaudatum</u> Luc, 1961		
108	<u>Cocos nucifera</u> L.		Togo
	<u>Xiphinema imitator</u> Heyns, 1965		
68	<u>Acacia xantophloea</u> Benth.		Union South Africa
68	<u>Eucalyptus</u> sp.		Union South Africa
	<u>Xiphinema index</u> Thorne & Allen, 1950		
218	<u>Ficus carica</u> L.	Cal.	
	<u>Xiphinema insigne</u> Loos, 1949		
214	<u>Cocos nucifera</u> L.		Ceylon
145	<u>Ficus carica</u> L.		U.A.R. (Egypt)
145	<u>Mangifera indica</u> L.		U.A.R. (Egypt)
	<u>Xiphinema opisthohystrum</u> Siddiqi, 1961		
186	<u>Eugenia jambolana</u> Lamk.		India
	<u>Xiphinema pini</u> Heyns, 1965		
68	<u>Pinus patula</u> Schlecht. & Cham.		Union South Africa
	<u>Xiphinema setariae</u> Luc, 1958		
109	<u>Cocos nucifera</u> L.		Togo

Reference	Associated trees	Associated with plant injury	Found but not yet assoc. with injury
	<u>Xiphinema variabile</u> Heyns, 1966		
70	<u>Adansonia digitata</u> L.		Union South Africa
70	<u>Eucalyptus saligna</u> Sm.		Union South Africa
	<u>Xiphinema zulu</u> Heyns, 1965		
68	<u>Acacia xantophloea</u> Benth.		Union South Africa
	<u>Xiphinemella esseri</u> Chitwood, 1957		
30	<u>Acer rubrum</u> L.		Fla.
30	<u>Quercus falcata</u> var. <u>falcata</u> Michx.		Fla.

Section 2. Listing of nematodes under each host.

- Abies sp. - *Criconemoides irregulare*, *Pratylenchus penetrans*, *Rotylenchus robustus*, *Xiphinema americanum*
- Abies alba - *Longidorus maximus*, *Pratylenchus penetrans*
- Abies balsamea - *Criconemoides labatum*, *Paratylenchus* sp., *Pratylenchus* sp., *Rotylenchus* sp., *R. robustus*, *Tylenchorhynchus maximus*, *Xiphinema americanum*
- Abies concolor - *Aphelenchoides* sp., *Hoplolaimus* sp.
- Abies homolepis - *Aphelenchoides* sp., *Ditylenchus* sp., *Pratylenchus penetrans*, *Trichodorus cedarus*, *Xiphinema americanum*
- Abies lasiocarpa - *Criconemoides annulatum*
- Abies sachalinensis - *Helicotylenchus dihystra*, *Paratylenchus* sp., *Pratylenchus penetrans*, *Trichodorus cedarus*
- Acacia sp. - *Meloidogyne* sp., *Paralongidorus erriae*, *P. xiphinemoides*, *Xiphinema dimorphicaudatum*
- Acacia baileyana - *Meloidogyne javanica*
- Acacia cultriformis - *Meloidogyne arenaria*
- Acacia cunninghamii - *Meloidogyne javanica*
- Acacia cyanophylla - *Meloidogyne javanica*
- Acacia dealbata - *Meloidogyne* sp.
- Acacia elata - *Meloidogyne javanica*
- Acacia glaucocarpa - *Meloidogyne incognita*
- Acacia glaucophylla - *Meloidogyne* sp.

- Acacia mollissima - Ditylenchus sp., Helicotylenchus sp., Longidorus sp.,
Meloidogyne incognita, M. javanica, Paratylenchus sp.,
Pratylenchus sp., Rotylenchus sp., Scutellonema sp.,
Tylenchorhynchus sp., Xiphinema sp.
- Acacia podalyriaefolia - Meloidogyne javanica
- Acacia pugioniformis - Meloidogyne arenaria
- Acacia xantophloea - Xiphinema imitator, X. zulu
- Acer sp. - Aphelenchoides sp., Criconemoides sp., C. incrassatus,
Ditylenchus sp., Gracilacus aciculus, Helicotylenchus sp.,
H. similis, H. uniformis, Hemicycliophora vivida, Hoplolaimus
galeatus, H. tylenchiformis, Longidorus elongatus, Meloidogyne
sp., Paratylenchus sp., P. penetrans, P. pratensis, Rotylenchus sp.,
R. robustus, Trichodorus sp., Tylenchorhynchus sp., T. claytoni,
T. dubius, T. maximus, Xiphinema sp., X. americanum
- Acer campestre - Paratylenchus penetrans
- Acer japonicum - Meloidogyne sp.
- Acer macrophyllum - Meloidogyne sp.
- Acer negundo - Aphelenchoides sp., Criconemoides sp., Ditylenchus sp.,
Hoplolaimus galeatus, Meloidogyne sp., Paratylenchus penetrans,
Tylenchorhynchus dubius
- Acer nigrum - Paratylenchus projectus, Paratylenchus crenatus, Xiphinema
americanum
- Acer oblongum - Criconema palmatum

Acer palmatum var. atropurpureum - Criconemoides curvatum, Helicotylenchus platyurus, Hoplolaimus galeatus, Paratylenchus projectus, Pratylenchus sp., P. crenatus, P. penetrans, Rotylenchus robustus, Tylenchorhynchus claytoni, Xiphinema americanum

Acer palmatum var. rubrum - Pratylenchus crenatus, Rotylenchus robustus

Acer platanoides - Helicotylenchus platyurus, Longidorus maximus, Paratylenchus projectus, Pratylenchus crenatus, P. penetrans, Xiphinema americanum

Acer platanoides var. schwedleri - Helicotylenchus dihystra, Hoplolaimus galeatus, Pratylenchus crenatus, Tylenchorhynchus claytoni

Acer pseudoplatanus - Helicotylenchus paxilli, Longidorus maximus, Pratylenchus penetrans

Acer rubrum - Criconema fimbriatum, C. inaequale, Criconemoides beljaevae, C. curvatum, C. macrodorum, Gracilacus aciculus, G. audriellus, G. elegans, Helicotylenchus sp., H. platyurus, Hoplolaimus galeatus, Longidorus elongatus, Paratylenchus projectus, Pratylenchus crenatus, P. penetrans, Trichodorus aequalis, Tylenchorhynchus claytoni, Xiphinema americanum, Xiphinemella esseri

Acer saccharinum - Criconemoides beljaevae, Paratylenchus sp., Pratylenchus vulnus, Trichodorus porosus, Xiphinema americanum

Acer saccharum - Bakernema bakeri, Criconema fimbriatum, C. octanulare, Criconemoides beljaevae, C. informe, C. macrodorum, C. sphagni, Gracilacus audriellus, Hemicycliophora sp., H. similis, H. typica, H. uniformis, Meloidogyne ovalis, Paratylenchus tenuicaudatus, Trichodorus aequalis, T. californicus, Tylenchorhynchus sp., Xiphinema americanum

Adansonia sp. - Hoplolaimus pararobustus

Adansonia digitata - Scutellonema magniphasmum, Xiphinema variabile

Aesculus hippocastanum - Pratylenchus penetrans

Ailanthus glandulosa - Pratylenchus penetrans

Albizia sp. - Helicotylenchus sp., Meloidogyne arenaria, M. incognita, M.
javanica, Pratylenchus sp., Trichorus primitivus

Albizia chinensis - Meloidogyne javanica

Albizia falcata - Pratylenchus coffeae

Albizia julibrissin - Paratylenchus projectus, Pratylenchus crenatus

Albizia lebbek - Meloidogyne sp., M. javanica, Radopholus similis

Aleurites cordata - Meloidogyne sp.

Aleurites molluccana - Meloidogyne sp.

Alnus sp. - Criconemoides annulifer, Helicotylenchus anhelicus, Pratylenchus
pratensis

Alnus glutinosa - Aphelenchoides sp., Ditylenchus sp., Longidorus maximus,
Pratylenchus penetrans

Alnus incana - Pratylenchus penetrans

Alnus japonica - Meloidogyne sp.

Alnus rugosa - Longidorus maximus

Annona cherimola - Helicotylenchus anhelicus

Araucaria cunninghamii - Pratylenchus brachyurus

Arctostaphylos sp.- Criconemoides annulatum, C. crotaloides

Arctostaphylos manzanita - Criconemoides crotaloides, C. macrodorum

Arctostaphylos patula - Criconemoides annulatum

Artemisia sp. - Criconemoides parvum, Gracilacus sarissus

Artocarpus sp. - Meloidogyne sp.

- Artocarpus communis - Meloidogyne sp.
- Artocarpus heterophylla - Hemicriconemoides communis
- Artocarpus incisa - Meloidogyne sp.
- Artocarpus integra - Meloidogyne sp.
- Artocarpus integrifolia - Criconema taylori, Hemicriconemoides birchfieldi,
Meloidogyne sp.
- Artocarpus lakoocha - Hemicriconemoides communis
- Baccharis halimifolia - Pratylenchus sp., Trichodorus sp.
- Betula sp. - Criconemoides sp., Pratylenchus penetrans
- Betula lenta - Criconemoides macrodorum, Hemicyclophora sp., Hoplotylus femina
- Betula papyrifera - Criconemoides sp., C. demani, C. quasidemani, Gracilacus
audriellus, G. sarissus, Hemicyclophora minora, H.
similis, Paratylenchus sp.
- Betula populifolia - Criconemoides beljaevae, C. macrodorum, Gracilacus
audriellus, G. sarissus, Helicotylenchus erythrinae,
Hoplolaimus galeatus, Pratylenchus sp., P. penetrans
- Betula verrucosa - Pratylenchus penetrans
- Bombax malabaricum - Meloidogyne javanica
- Brassaia actinophylla - Meloidogyne incognita
- Broussonetia papyrifera - Meloidogyne sp., Paratylenchus projectus,
Pratylenchus penetrans
- Cananga odorata - Meloidogyne sp.
- Carica sp. - Helicotylenchus dihystra
- Carica papaya - Meloidogyne sp., M. arenaria, M. incognita, M. papaya
- Cariniana sp. - Aphelenchoides sp., Helicotylenchus sp., Xiphinema sp.
- Carpinus betulus - Helicotylenchus canadensis, H. digonicus, H. dihystra,
Longidorus maximus, Meloidogyne sp., Rotylenchus goodeyi,
R. fallorobustus

- Carpinus caroliniana - Pratylenchus scribneri
- Carya cordiformis - Belonolaimus euthychilus
- Carya glabra var. megacarpa - Hemicriconemoides minutus
- Carya ovata - Criconemoides beljaevae, C. macrodorum, Gracilacus audriellus,
Helicotylenchus platyurus, Hemicycliophora gigas, Trichodorus
aequalis
- Castanea dentata - Criconema fimbriatum, Hemicycliophora sp., Hoplotylus
femina, Trichodorus christiei
- Castanea mollissima - Gracilacus audriellus, Hoplolaimus galeatus, Meloidogyne
sp., Paratylenchus projectus, Pratylenchus crenatus
- Casuarina sp. - Helicotylenchus sp., Meloidogyne javanica
- Casuarina lepidophloia - Meloidogyne sp.
- Catalpa sp. - Meloidogyne incognita
- Catalpa bignonioides - Meloidogyne sp.
- Catalpa ovata - Meloidogyne sp.
- Catalpa speciosa - Meloidogyne sp.
- Cedrus sp. - Helicotylenchus belli, H. digonicus, Pratylenchus penetrans,
Rotylenchus robustus
- Cedrus atlantica - Pratylenchus penetrans
- Cedrus deodara - Criconemoides beljaevae, C. complexus, Helicotylenchus
serenus, Meloidogyne sp., Pratylenchus penetrans,
Rotylenchus buxophilus, Xiphinema americanum
- Cedrus libani - Hoplolaimus galeatus, Paratylenchus projectus, Pratylenchus
crenatus
- Celtis laevigata - Pratylenchus scribneri
- Ceratonia siliqua - Helicotylenchus tunisiensis, Meloidogyne sp.
- Cercis sp. - Tylenchorhynchus sp.

- Cercis canadensis - Paratylenchus projectus, Xiphinema americanum
- Cercis siliquastrum - Pratylenchus penetrans
- Chamaecyparis sp. - Ditylenchus sp., Helicotylenchus dihystra, Hemicycliophora
minora, Hoplolaimus tylenchiformis, Meloidogyne sp.,
Trichodorus pachydermus
- Chamaecyparis lawsoniana - Hoplotylus femina, Pratylenchus penetrans,
Rotylenchus robustus
- Chamaecyparis obtusa - Aphelenchoides sp., Ditylenchus sp., Helicotylenchus sp.,
H. dihystra, Meloidogyne incognita, Pratylenchus sp.,
P. projectus, Pratylenchus sp., P. penetrans, P. coffeae,
P. crenatus, Rotylenchus sp., Scutellonema brachyurum,
Trichodorus sp., T. cedarus, T. minor, Tylenchorhynchus
claytoni, Xiphinema sp., X. americanum
- Chamaecyparis pisifera var. plumosa - Pratylenchus penetrans, Rotylenchus
robustus
- Chionanthus virginicus - Helicotylenchus erythrinae, Trichodorus porosus
- Chrysalidocarpus lutescens - Rotylenchulus reniformis
- Chrysophyllum cainito - Radopholus similis
- Cinchona sp. - Meloidogyne sp.
- Cinchona ledgeriana - Aphelenchoides sp., Criconemoides limitaneum,
Helicotylenchus dihystra, Meloidogyne sp., M.
incognita, Pratylenchus brachyurus, Xiphinema
diversicaudatum
- Cinchona micrantha - Meloidogyne incognita

- Cinchona succirubra - *Criconemoides limitaneum*, *Meloidogyne* sp., *M. incognita*,
Pratylenchus coffeae
- Cinnamomum camphora - *Pratylenchus pratensis*, *Radopholus similis*
- Cinnamomum zeylanicum - *Meloidogyne* sp.
- Cocos nucifera - *Aphelenchoides* sp., *Criconemoides* sp., *C. discolabium*,
C. kirjanovae, *Dolichodorus profundus*, *Helicotylenchus* sp.,
H. dihystrera, *Hemicriconemoides* sp., *H. cocophilus*, *H.*
strictathecatus, *Hemicycliophora* sp., *H. pauciannulata*, *Heterodera*
sp., *Hoplolaimus* sp., *Meloidogyne* sp., *Paratylenchus* sp.,
Pratylenchus sp., *Radopholus similis*, *Rhadinaphelenchus cocophilus*,
Rotylenchulus sp., *R. reniformis*, *Rotylenchus* sp., *Scutellonema*
aberrans, *S. bradys*, *Trichodorus* sp., *Tylenchorhynchus* sp.,
T. microphasmis, *T. nudus*, *Xiphinema* sp., *X. americanum*,
X. coxi, *X. flagellicaudatum*, *X. insigne*, *X. setariae*
- Codonocarpus cotinifolius - *Hemicycliophora brevicauda*, *Radopholus inaequalis*,
R. neosimilis
- Coffea sp. - *Helicotylenchus crenacauda*, *H. dihystrera*, *H. erythrinae*,
Meloidogyne exigua
- Coffea arabica - *Helicotylenchus erythrinae*, *Meloidogyne* sp., *M. coffeicola*,
M. exigua, *Paratylenchus besoekianus*, *Pratylenchus coffeae*,
Radopholus similis
- Coffea excelsa - *Pratylenchus brachyurus*, *P. coffeae*
- Coffea quillon - *Pratylenchus coffeae*, *Radopholus similis*
- Coffea robusta - *Helicotylenchus microcephalus*, *Pratylenchus coffeae*,
Radopholus similis
- Collinia elegans - *Radopholus similis*
- Copernicia sp. - *Meloidogyne* sp.
- Cordia goeldiana - *Rotylenchus robustus*

- Cornus sp. - Aphelenchoides sp., Helicotylenchus clarkei, Hemicycliophora sp.,
Paratylenchus sp., P. nanus, Pratylenchus sp., P. brachyurus, P.
pratensis, Rotylenchus sp., R. robustus, Trichodorus sp.,
Tylenchorhynchus sp., T. claytoni, Xiphinema americanum
- Cornus florida - Criconemoides beljaevae, C. curvatum, C. macrodorum,
Gracilacus audriellus, Helicotylenchus sp., H. dihystra,
H. erythrinae, H. platyurus, Hoplolaimus galeatus,
Longidorus elongatus, Meloidogyne hapla, Paratylenchus
projectus, Pratylenchus crenatus, P. neglectus, P. penetrans,
Rotylenchus robustus, Trichodorus aequalis, T. christiei,
Tylenchorhynchus sp., T. claytoni, Xiphinema americanum
- Cornus florida var. rubra - Criconemoides beljaevae, C. curvatum, Gracilacus
audriellus, Helicotylenchus erythrinae, Hoplolaimus galeatus,
Paratylenchus projectus, Pratylenchus sp., P. crenatus,
P. penetrans, Rotylenchus robustus, Trichodorus christiei,
Tylenchorhynchus claytoni
- Corylus avellana - Longidorus maximus, Pratylenchus penetrans
- Cotinus coggygria - Pratylenchus penetrans
- Cotoneaster sp. - Criconemoides mutabilis
- Cotoneaster integerrimus - Pratylenchus penetrans
- Crataegus sp. - Trichodorus pachydermus
- Crataegus monogyna - Helicotylenchus paxilli
- Crataegus oxyacantha - Pratylenchus penetrans
- Crataegus phaenopyrum - Paratylenchus projectus, Pratylenchus crenatus,
Xiphinema americanum

- Cryptomeria japonica - Aphelenchoides sp., Criconemoides sp., Ditylenchus sp.,
Helicotylenchus sp., H. dihystra, H. erythrinae,
Hirschmaniella oryzae, Meloidogyne sp., M. incognita,
Pratylenchus sp., P. coffeae, P. penetrans, P. vulnus,
Rotylenchus sp., Scutellonema brachyurum, Trichodorus sp.,
T. cedarus, T. minor, T. porosus, Tylenchorhynchus sp.,
T. claytoni, Xiphinema americanum
- Cupressus sp. - Aphelenchoides sp., Criconemoides macrodorum, Ditylenchus sp.,
Pratylenchus thornei, Rotylenchus robustus, Trichodorus sp.,
T. pachydermus
- Cupressus macrocarpa - Gracilacus intermedius
- Cupressus sempervirens - Criconemoides antipolitanum, Pratylenchoides guevarai,
Rotylenchus buxophilus
- Delonix regia - Helicotylenchus dihystra, H. erythrinae, Radopholus similis,
Xiphinema americanum
- Diospyros sp. - Trophotylenchulus floridensis
- Diospyros kaki - Radopholus similis
- Diospyros lotus - Tylenchulus semipenetrans
- Diospyros virginiana - Radopholus similis, Tylenchulus semipenetrans
- Elaeis guineensis - Helicotylenchus dihystra, H. erythrinae, H. microcephalus,
H. multinctus, Hoplolaimus pararobustus, H. proporicus,
Meloidogyne sp., Paratylenchus sp., P. elachistus,
Scutellonema bradys, S. cavenessi, Xiphinema sp.
- Elaeis melanococca - Hoplolaimus proporicus
- Eriobotrya japonica - Radopholus similis
- Erythrina sp. - Scutellonema brachyurum

- Erythrina americanum - Meloidogyne sp.
- Erythrina crista-galli - Meloidogyne sp.
- Eucalyptus sp. - Criconemoides sp., Hemicycliophora typica, Heterodera rostockiensis, H. schachtii, Meloidogyne incognita, Paralongidorus erriae, P. eucalypti, P. paramaximus, Rotylenchus buxophilus, Scutellonema brachyurum, Trichodorus aequalis, Tylenchorhynchus sp., Tylodorus acuminatus, Xiphinema imitator
- Eucalyptus incrassata - Hemicycliophora tessellata
- Eucalyptus saligna - Xiphinema variabile
- Eugenia jambolana - Xiphinema opisthohysterum
- Eugenia operculata - Hemicycliophora eugeniae
- Fagus sp. - Criconemoides tribulis, C. macrodorum, Trichodorus pachydermus
- Fagus grandifolia - Criconemoides macrodorum, Gracilacus audriellus, Helicotylenchus erythrinae, Hemicycliophora sp., Longidorus elongatus, Xiphinema chambersi
- Fagus sylvatica - Pratylenchus penetrans, Trichodorus sp., Tylenchorhynchus sp.
- Ficus sp. - Ditylenchus sycobius, Meloidogyne sp.
- Ficus bengalensis - Aphelenchoides fragariae
- Ficus carica - Criconemoides sp., Helicotylenchus dihystra, H. multicinctus, Hemicycliophora sp., Heterodera fici, Hoplolaimus sp., H. columbus, Longidorus sp., L. elongatus, Meloidogyne sp., M. arenaria, M. incognita, M. javanica, Paratylenchus hamatus, Pratylenchus neglectus, P. penetrans, P. scribneri, P. vulnus, P. zaeae, Rotylenchus robustus, Scutellonema truncatum, Trichodorus sp., T. teres, Tylenchorhynchus sp., T. latus, Tylenchulus semipenetrans, Xiphinema sp., X. americanum, X. elongatum, X. index, X. insigne

- Ficus elastica - Aphelenchoides fragariae, Helicotylenchus dihystra, H. erythrinae,
Heterodera fici, Scutellonema brachyurum
- Ficus macrophylla - Meloidogyne sp.
- Ficus nitida - Criconemoides sp., Rotylenchus sp.
- Ficus palmata - Meloidogyne sp.
- Ficus religiosa - Aphelenchoides fragariae
- Ficus rubiginosa - Aphelenchoides fragariae, Meloidogyne sp.
- Franklinia alatamaha - Hoplolaimus galeatus, Paratylenchus projectus
- Fraxinus sp. - Meloidogyne sp.
- Fraxinus americana - Aphelenchoides sp., Criconema sp., Criconemoides sp.,
C. beljaevae, C. macrodorum, Ditylenchus sp., Gracilacus
audriellus, Helicotylenchus sp., H. playturus,
Hemicycliophora sp., H. gigas, Hoplolaimus sp., Longidorus
sp., L. elongatus, Meloidogyne sp., M. ovalis,
Paratylenchus sp., Pratylenchus sp., P. crenatus,
Rotylenchus sp., Trichodorus sp., T. aequalis,
Tylenchorhynchus sp., Xiphinema sp., X. americanum,
X. chambersi
- Fraxinus excelsior - Helicotylenchus paxilli, H. varicaudatus, Pratylenchus
penetrans
- Fraxinus mandschurica - Meloidogyne sp.
- Fraxinus nigra - Meloidogyne sp.
- Fraxinus pensylvanica - Criconemoides curvatum, Xiphinema americanum
- Fraxinus syriaca - Meloidogyne javanica
- Fraxinus velutina - Meloidogyne sp.

- Ginkgo biloba - Helicotylenchus dihystra, H. erythrinae, H. platyurus,
Hoplolaimus galeatus, Paratylenchus projectus, Pratylenchus
penetrans, Trichodorus aequalis, Xiphinema americanum
- Gleditsia triacanthos - Meloidogyne sp.
- Gleditsia triacanthos var. inermis - Helicotylenchus erythrinae, Tylenchorhynchus
claytoni
- Grevillea robusta - Meloidogyne sp.
- Hevea brasiliensis - Aphasmatylenchus nigeriensis, Helicotylenchus dihystra,
H. erythrinae, H. microcephalus, Pratylenchus coffeae,
Scutellonema bradys, S. cavenessi
- Hibiscus syriacus - Criconemoides curvatum, Helicotylenchus dihystra, H.
platyurus, Hoplolaimus galeatus, Pratylenchus penetrans,
Xiphinema americanum
- Hippophae rhamnoides - Pratylenchus penetrans
- Ilex aquifolium - Pratylenchus sp., Tylenchorhynchus claytoni
- Ilex opaca - Criconema fimbriatum, Criconemoides macrodorum, Helicotylenchus sp.,
H. labiodiscinus, Pratylenchus crenatus, Tylenchorhynchus claytoni
- Juglans sp. - Meloidogyne sp., Pratylenchus sp., P. thornei, Scutellonema
brachyurum, Xiphinema sp.
- Juglans cinerea - Meloidogyne sp.
- Juglans hindsii - Gracilacus epacris, Pratylenchus vulnus
- Juglans microcarpa - Meloidogyne sp.
- Juglans nigra - Meloidogyne sp., Paratylenchus bukowinensis, Pratylenchus vulnus
- Juglans regia - Cacopaurus pestis, Meloidogyne sp., M. javanica, Pratylenchus
coffeae

- Juniperus sp. - *Helicotylenchus* sp., *H. dihystrera*, *H. erythrinae*, *Hoplolaimus* sp., *H. tylenchiformis*, *Meloidogyne* sp., *Pratylenchus penetrans*, *Rotylenchus robustus*, *Trichodorus* sp., *Tylenchorhynchus claytoni*, *T. conicus*, *T. cylindricus*, *Xiphinema* sp., *X. americanum*
- Juniperus bermudiana - *Helicotylenchus erythrinae*, *Xiphinema americanum*
- Juniperus chinensis var sargentii - *Pratylenchus penetrans*, *Xiphinema americanum*
- Juniperus communis - *Hemicycliophora* sp., *Pratylenchus* sp.
- Juniperus macropoda - *Criconema tenuicaudatum*, *C. vishwanathum*, *Criconemoides macrodorum*
- Juniperus sabina - *Pratylenchus* sp., *P. crenatus*
- Juniperus scopulorum - *Pratylenchus penetrans*
- Juniperus virginiana - *Helicotylenchus dihystrera*, *Pratylenchus penetrans*
- Kalmia latifolia - *Criconema inaequale*, *Criconemoides beljaevae*, *C. macrodorum*, *Hemicycliophora* sp., *Trichodorus* sp., *T. christiei*
- Laburnum anagyroides - *Pratylenchus penetrans*, *P. pratensis*
- Larix decidua - *Longidorus maximus*
- Larix laricina - *Hemicycliophora uniformis*, *Rotylenchus* sp., *Tylenchorhynchus claytoni*
- Larix leptolepis - *Helicotylenchus erythrinae*, *Hoplolaimus galeatus*, *Longidorus maximus*, *Pratylenchus projectus*, *Pratylenchus coffeae*, *P. crenatus*, *P. penetrans*, *P. vulnus*, *Trichodorus cedarus*, *T. minor*, *Tylenchorhynchus claytoni*, *Xiphinema americanum*
- Laurus sp. - *Trichodorus californicus*
- Leucadendron sp. - *Pratylenchus projectus*

- Leucaena glauca - Meloidogyne javanica, Pratylenchus coffeae
- Ligustrum ovalifolium - Criconemoides sp., C. curvatum, Helicotylenchus platyurus, Hoplolaimus galeatus, Meloidogyne sp., Paratylenchus sp., P. projectus, Pratylenchus crenatus, P. penetrans, Trichodorus porosus, Tylenchorhynchus claytoni, Xiphinema americanum
- Liquidambar styraciflua - Criconema sp., Criconemoides sp., C. beljaevae, Helicotylenchus sp., H. erythrinae, Hemicyclophora sp., Hoplolaimus galeatus, Meloidogyne sp., Pratylenchus sp., P. penetrans, Trichodorus sp., Tylenchorhynchus sp.
- Liriodendron sp. - Aphelenchoides sp., Hoplolaimus tylenchiformis, Tylenchorhynchus claytoni
- Liriodendron tulipifera - Meloidogyne sp., Pratylenchus penetrans
- Livistonia chinensis - Meloidogyne sp.
- Macadamia sp. - Helicotylenchus dihystra
- Macadamia ternifolia - Helicotylenchus erythrinae
- Magnolia sp. - Gracilacus elegans, Helicotylenchus dihystra, Hemicriconemoides wessoni, Hoplolaimus tylenchiformis, Longidorus elongatus, Meloidogyne sp., Rotylenchus sp., Trichodorus sp., Trophotylenchulus floridensis, Tylenchorhynchus claytoni, Xiphinema americanum
- Magnolia grandiflora - Criconema tenuicaudatum, Criconemoides mutabilis, Helicotylenchus sp., Meloidogyne sp., Pratylenchus sp., Radopholus similis, Xiphinema sp.
- Magnolia stellata - Gracilacus aciculus, Paratylenchus projectus, Pratylenchus crenatus

- Magnolia virginiana - *Belonolaimus longicaudatus*, *Helicotylenchus erythrinae*,
Hemicriconemoides wessoni, *Trichodorus proximus*,
Tylenchulus semipenetrans
- Mangifera sp. - *Longidorus* sp., *Trichodorus* sp.
- Mangifera indica - *Criconema squamosum*, *C. mangiferum*, *Criconemoides* sp., *C. sphaerocephalum*, *Helicotylenchus* sp., *H. dihystrera*, *H. microcephalus*, *H. multinctus*, *Hemicriconemoides birchfieldi*, *H. indica*, *H. mangiferae*, *Hemicycliophora* sp., *Hoplolaimus* sp., *Longidorus elongatus*, *Pratylenchus* sp., *P. neglectus*, *P. penetrans*, *P. zaeae*, *Radopholus similis*, *Rotylenchus* sp., *R. robustus*, *Scutellonema mangiferae*, *Tylenchorhynchus* sp., *T. latus*, *Xiphinema* sp., *X. americanum*, *X. insigne*
- Melaleuca leucadendron - *Hemicycliophora epicharis*
- Melia azedarach - *Meloidogyne* sp.
- Metrosideros collina - *Xiphinema americanum*
- Morus sp. - *Meloidogyne* sp., *M. arenaria*, *M. hapla*, *M. incognita*, *Trichodorus pachydermus*
- Morus alba - *Criconemoides beljaevae*, *Helicotylenchus platyurus*,
Hemicriconemoides communis, *Hoplolaimus galeatus*, *Meloidogyne javanica*, *Xiphinema americanum*
- Morus indica - *Meloidogyne javanica*
- Morus nigra - *Meloidogyne* sp.
- Morus rubra - *Meloidogyne* sp.
- Myrica cerifera - *Criconemoides* sp., *Hemicriconemoides* sp., *H. wessoni*,
Tylenchulus semipenetrans
- Myristica fragrans - *Meloidogyne* sp.

- Neowashingtonia sp. - Helicotylenchus sp., Radopholus sp., Rotylenchus sp.,
Tylenchorhynchus sp.
- Olea sp. - Xiphinema americanum
- Olea europaea - Helicotylenchus dihystrera, H. tunisiensis, Meloidogyne sp.,
M. javanica, Pratylenchus vulnus, Tylenchulus semipenetrans
- Oxydendrum arboreum - Pratylenchus crenatus, Xiphinema americanum
- Persea sp. - Helicotylenchus pseudorobustus
- Persea americana - Criconemoides mutabilis, Helicotylenchus dihystrera, H.
erythrinae, H. rotundicauda, Meloidogyne sp., Pratylenchus
sp., P. brachyurus, P. pratensis, P. vulnus, Radopholus
similis, Rotylenchulus reniformis, Rotylenchus sp., R.
breviglans, Xiphinema sp., X. americanum
- Persea gratissima - Criconemoides sp., Helicotylenchus erythrinae, H.
multicinctus
- Phoenix sp. - Meloidogyne sp.
- Phoenix canariensis - Meloidogyne sp., Radopholus similis
- Phoenix dactylifera - Criconemoides mutabilis, Helicotylenchus dihystrera,
Meloidogyne sp., M. arenaria, M. hapla, M. incognita,
M. javanica, Tylenchorhynchus acti
- Phoenix reclinata - Paralongidorus paramaximus
- Picea sp. - Aphelenchoides sp., Criconemoides sp., C. ravidus, Ditylenchus sp.,
Helicotylenchus sp., H. multicinctus, Hoplolaimus tylenchiformis,
Pratylenchus sp., P. penetrans, Rotylenchus robustus, Trichodorus
sp., T. pachydermus, Tylenchorhynchus sp., Xiphinema sp.

- Picea abies - Aphelenchoides sp., Criconemoides sp., C. mutabilis, Ditylenchus sp., Hemicycliophora sp., Hoplolaimus galeatus, Hoplotylus femina, Longidorus maximus, Paratylenchus sp., Pratylenchus sp., P. crenatus, P. penetrans, P. pratensis, Rotylenchus sp., R. robustus, Trichodorus christiei, Tylenchorhynchus sp., T. claytoni, Xiphinema sp., X. americanum
- Picea engelmanni - Criconemoides annulatum
- Picea excelsa - Criconemoides sp., Pratylenchus penetrans, Xiphinema americanum
- Picea glauca - Aphelenchoides sp., Criconema menzeli, Criconemoides sp., C. annulatum, C. cylindricum, Hemicycliophora sp., H. minora, H. similis, H. uniformis, Hoplolaimus galeatus, Paratylenchus sp., Pratylenchus sp., P. penetrans, Rotylenchus sp., Tylenchorhynchus maximus
- Picea glauca var. glauca - Criconemoides beljaevae, Xiphinema americanum
- Picea glehnii - Pratylenchus sp.
- Picea jezoensis - Aphelenchoides sp., Ditylenchus sp., Pratylenchus sp., P. penetrans
- Picea jezoensis var. hondoensis - Aphelenchoides sp., Ditylenchus sp., Pratylenchus coffeae, P. penetrans, Xiphinema americanum
- Picea mariana - Pratylenchus sp.
- Picea omorika - Ditylenchus sp., Rotylenchus sp., Tylenchorhynchus sp
- Picea pungens - Aphelenchoides sp., Criconemoides sp., C. beljaevae, C. curvatum, C. macrodorum, Helicotylenchus sp., H. dihystra, H. multicinctus, H. pseudorobustus, Hemicycliophora sp., Hoplolaimus sp., H. galeatus, H. tylenchiformis, Meloidogyne sp., Paratylenchus sp., P. projectus, Pratylenchus sp., P. penetrans, P. pratensis, Rotylenchus robustus, Trichodorus sp., Tylenchorhynchus sp., T. brevidens, T. parvus, Xiphinema americanum

Picea pungens var. glauca - Trichodorus porosus

Picea rubens - Tylenchorhynchus claytoni

Picea sitchensis - Ditylenchus sp., Pratylenchus penetrans, Rotylenchus sp.,
R. robustus, Trichodorus sp., Tylenchorhynchus sp.

Pinus sp. - Aphelenchoides sp., Belonolaimus sp., Criconema sp., Criconemoides
sp., C. beljaevae, C. curvatum, C. cylindricum, C. macrodorum, C.
ornatum, Ditylenchus sp., Dolichodorus sp., Helicotylenchus sp.,
H. clarkei, H. dihystra, H. erythrinae, H. multicinctus,
Hemicycliophora sp., Hoplolaimus sp., H. galeatus, H. tylenchiformis,
Longidorus sp., L. elongatus, Meloidodera sp., M. floridensis,
Meloidogyne sp., M. arenaria, M. incognita, Paralongidorus erriae,
Paratylenchus sp., Peltamigratus christiei, Pratylenchus sp., P.
brachyurus, P. penetrans, P. scribneri, Rotylenchulus sp.,
Rotylenchus sp., R. buxophilus, R. robustus, R. rugatocuticulatus,
Trichodorus sp., T. aequalis, T. christiei, T. primitivus,
Tylenchorhynchus sp., T. acutus, T. claytoni, T. conicus, T.
dubius, Xiphinema sp., X. americanum, X. chambersi, X.
dimorphicaudatum

Pinus attenuata - Trichodorus californicus, Tylenchorhynchus superbus

Pinus banksiana - Criconemoides sp., Hemicycliophora sp., Pratylenchus penetrans,
Tylenchorhynchus sp., Xiphinema americanum

Pinus cembroides - Helicotylenchus clarkei

Pinus clausa - Belonolaimus euthychilus, Meloidodera floridensis, Trichodorus
atlanticus

Pinus contorta - Criconemoides annulatum

Pinus contorta var. latifolia - Hemicycliophora shepherdii

Pinus densiflora - Aphelenchoides sp., Criconemoides sp., Ditylenchus sp.,
Helicotylenchus sp., H. dihystra, Meloidogyne incognita,
Paratylenchus sp., Rotylenchus sp., Scutellonema brachyurum,
Trichodorus sp., T. cedarus, T. minor, T. porosus,
Tylenchorhynchus sp., T. claytoni

Pinus echinata - Criconemoides sp., C. rusticum, Helicotylenchus sp., H.
dihystra, H. erythrinae, Hemicycliophora sp., H. typica,
H. vidua, Hoplolaimus galeatus, Meloidodera floridensis,
Paratylenchus sp., Tylenchorhynchus sp., T. claytoni,
Xiphinema sp., X. americanum, X. chambersi

Pinus elliotii var. densa - Belonolaimus euthychilus

Pinus elliotii var. elliotii - Aphelenchoides sp., Belonolaimus gracilis,
Criconemoides sp., Ditylenchus sp., Dolichodorus sp.,
Helicotylenchus sp., H. dihystra, Hemicriconemoides sp.,
H. floridensis, Hemicycliophora sp., Hoplolaimus galeatus,
Longidorus sp., Meloidodera floridensis, Meloidogyne sp.,
Paratylenchus sp., Pratylenchus zeae, Trichodorus christiei,
Tylenchorhynchus sp., T. claytoni, T. ewingi, Xiphinema
americanum

Pinus excelsa - Criconema celetum, Radopholus similis

Pinus longifolia - Hoplolaimus columbus

Pinus monticola - Criconema sp., Criconemoides sphaerocephalum, Heterodera sp.,
Trichodorus elegans, Tylenchorhynchus sp.

Pinus mugo - Pratylenchus sp.

- Pinus mugo var. mughus - Helicotylenchus erythrinae, Hoplolaimus galeatus,
Paratylenchus projectus, Pratylenchus penetrans,
Rotylenchus robustus, Trichodorus porosus
- Pinus nigra - Hoplolaimus galeatus, Longidorus maximus, Meloidodera
floridensis, Pratylenchus penetrans, Xiphinema americanum
- Pinus nigra var. austriaca - Criconemoides irregulare, Pratylenchus penetrans
- Pinus nigra var. calabrica - Pratylenchus penetrans
- Pinus palustris - Aphelenchoides fragariae, Belonolaimus eutylichilus, B.
gracilis, Criconemoides sp., Hemicriconemoides wessoni,
Hemicycliophora sp., Hoplolaimus galeatus, Meloidodera sp.,
M. floridensis, Meloidogyne sp., Pratylenchus sp.,
Pratylenchus brachyurus, Trichodorus christiei,
Tylenchorhynchus sp., T. claytoni, Xiphinema americanum,
X. chambersi
- Pinus patula - Xiphinema pini
- Pinus ponderosa - Helicotylenchus lobus, Meloidogyne sp., Xiphinema americanum
- Pinus radiata - Meloidogyne sp.
- Pinus resinosa - Aphelenchoides sp., Criconemoides sp., Ditylenchus sp.,
Hemicycliophora sp., Hoplolaimus galeatus, Pratylenchus sp.,
P. hamatus, Pratylenchus sp., P. penetrans, P. pratensis,
Rotylenchus sp., Trichodorus cedarus, Tylenchorhynchus
claytoni, Xiphinema americanum
- Pinus rigida - Criconemoides beljaevae, C. macrodorum, Ditylenchus sp.,
Helicotylenchus erythrinae, Hemicycliophora sp., Longidorus
elongatus, Meloidodera floridensis, Meloidogyne sp.,
Pratylenchus crenatus, P. penetrans, Trichodorus sp.,
Tylenchorhynchus dubius, Xiphinema americanum

Pinus strobus - Aphelenchoides sp., Criconemoides sp., C. beljaevae, C. lobatum, Ditylenchus sp., Dolichodorus silvestris, Helicotylenchus sp., H. multinctus, H. platyurus, Hemicycliophora sp., H. minora, H. vivida, Hoplolaimus sp., H. galeatus, H. tylenchiformis, Longidorus maximus, Meloidogyne sp., Paratylenchus sp., P. nanus, P. projectus, Pratylenchus sp., P. brachyurus, P. penetrans, P. pratensis, Rotylenchus sp., R. robustus, Trichodorus sp., T. cedarus, T. christiei, Tylenchorhynchus sp., T. claytoni, T. maximus, Xiphinema sp., X. americanum

Pinus sylvestris - Criconemoides irregulare, Ditylenchus sp., Helicotylenchus sp., Hoplolaimus galeatus, Longidorus maximus, Paratylenchus projectus, Pratylenchus crenatus, P. penetrans, P. pratensis, Trichodorus cedarus, Tylenchorhynchus sp., T. claytoni, Xiphinema americanum

Pinus taeda - Belonolaimus gracilis, Criconemoides sp., Dolichodorus sp., Helicotylenchus sp., H. dihystra, Hemicriconemoides sp., Hemicycliophora sp., Hoplolaimus galeatus, Longidorus sp., Meloidodera floridensis, Meloidogyne sp., Paratylenchus sp., P. crenatus, Pratylenchus brachyurus, P. penetrans, P. zaeae, Trichodorus christiei, Tylenchorhynchus sp., T. claytoni, Xiphinema sp., X. americanum, X. chambersi

Pinus thunbergii - Aphelenchoides sp., Criconemoides sp., C. beljaevae, Ditylenchus sp., Helicotylenchus sp., H. dihystra, Meloidogyne incognita, Pratylenchus coffeae, P. penetrans, Rotylenchus sp., Trichodorus sp., T. minor, T. porosus, Tylenchorhynchus claytoni

- Pinus virginiana - Aphelenchoides sp., Criconemoides sp., C. beljaevae, C. macrodorum, Ditylenchus sp., Gracilacus aciculus, G. marylandicus, Helicotylenchus erythrinae, H. platyurus, H. pseudorobustus, Hemicycliophora sp., H. gigas, Meloidodera sp., Paratylenchus sp., Pratylenchus penetrans, Trichodorus atlanticus, Tylenchorhynchus claytoni, Xiphinema americanum, T. chambersi, X. diversicaudatum
- Pistacia vera - Meloidogyne sp.
- Platanus sp. - Meloidogyne sp.
- Platanus occidentalis - Hoplolaimus galeatus, Tylenchorhynchus claytoni, Xiphinema americanum
- Platanus racemosa - Gracilacus anceps
- Podocarpus macrophylla - Radopholus similis
- Poinciana pulcherrima - Rotylenchulus reniformis
- Populus sp. - Criconemoides annulifer, C. mutabilis, Helicotylenchus anhelicus, Hemicycliophora gigas, Meloidogyne sp., M. incognita, Paratylenchus sp., Pratylenchus pratensis, Rotylenchus sp., Xiphinema americanum
- Populus alba - Meloidogyne sp., M. javanica
- Populus balsamifera - Criconemoides annulatum, Hemicycliophora shepherdii
- Populus canadensis var. serotina - Pratylenchus penetrans
- Populus fremontii - Helicotylenchus californicus
- Populus tremuloides - Criconemoides annulatum, C. crotaloides, C. informe, Gracilacus audriellus, Hemicycliophora shepherdii, Tylenchorhynchus brevicaudatus

- Prosopis juliflora - Meloidogyne sp.
- Prunus sp. - Bursaphelenchus gonzalezi, Criconema celetum, Helicotylenchus clarkei, Meloidogyne sp.
- Prunus americana - Criconemoides curvatum, Hoplolaimus galeatus, Paratylenchus projectus, Pratylenchus vulnus, Tylenchorhynchus claytoni, Xiphinema americanum
- Prunus cerasus - Meloidogyne sp.
- Prunus insititia - Pratylenchus penetrans
- Prunus mahaleb - Pratylenchus penetrans
- Prunus pensylvanica - Gracilacus audriellus, Hemicycliophora similis
- Prunus salicina - Pratylenchus coffeae
- Prunus serotina - Criconemoides beljaevae, Hoplolaimus galeatus, Pratylenchus penetrans
- Prunus spinosa - Pratylenchus penetrans
- Prunus virginiana - Criconema fimbriatum, Criconemoides beljaevae, C. macrodorum, Gracilacus audriellus, Helicotylenchus platyurus, Hemicycliophora gigas, Hoplolaimus galeatus, Hoplotylus femina, Longidorus elongatus, Meloidogyne sp., Pratylenchus crenatus, Trichodorus aequalis, Xiphinema americanum
- Pseudotsuga sp. - Pratylenchus penetrans, Rotylenchus robustus
- Pseudotsuga menziesii - Criconemoides annulatum, C. crotaloides, Hemicycliophora shepherdii, Hoplolaimus galeatus, Paratylenchus projectus, Pratylenchus penetrans, P. pratensis, Rotylenchus robustus, Xiphinema americanum
- Psidium cattleianum - Radopholus similis
- Psidium guajava - Ditylenchus nanus

- Quercus sp. - Belonolaimus sp., Criconemoides sp., C. lamellatus, C. macrodorum,
 C. ravidus, C. teres, C. tribulis, Gracilacus sarissus,
 Helicotylenchus sp., H. anhelicus, H. clarkei, H. dihystra, H.
 lobus, H. paxilli, Hemicycliophora sp., H. brevis, H. hesperis,
 Hoplolaimus sp., H. californicus, H. tylenchiformis, Longidorus sp.,
 L. sylphus, Meloidodera floridensis, Meloidogyne sp., Peltamigratus
 sp., Pratylenchus thorni, Rotylenchus sp., R. robustus,
 Scutellonema bradys, Trichodorus sp., T. californicus, T.
 pachydermus, Tylenchorhynchus sp., Xiphinema americanum
- Quercus agrifolia - Hoplolaimus californicus, Meloidogyne sp.
- Quercus alba - Criconemoides sp., C. macrodorum, Gracilacus audriellus,
 Paratylenchus projectus
- Quercus coccinea - Criconemoides macrodorum, Gracilacus capitatus,
 Hemicycliophora sp.
- Quercus falcata var. falcata - Criconemoides curvatum, Gracilacus audriellus,
 Helicotylenchus platyurus, Hoplolaimus galeatus,
 Paratylenchus projectus, Pratylenchus crenatus,
 Trophotylenchulus floridensis, Xiphinemella esseri
- Quercus ilicifolia - Criconemoides annulatum
- Quercus laevis - Belonolaimus eutylichilus
- Quercus laurifolia - Xiphinema americanum
- Quercus marilandica - Criconemoides beljaevae, Hemicycliophora sp., Trichodorus
 christiei
- Quercus nigra - Belonolaimus eutylichilus, Helicotylenchus sp.

- Quercus palustris - Aphelenchoides sp., Criconema fimbriatum, Criconemoides beljaevae, C. curvatum, C. macrodorum, Ditylenchus sp., Gracilacus audriellus, Helicotylenchus erythrinae, H. platyurus, Hemicycliophora sp., H. gigas, Hoplolaimus galeatus, H. tylenchiformis, Paratylenchus sp., P. projectus, Pratylenchus sp., P. crenatus, P. penetrans, P. pratensis, Xiphinema americanum, X. chambersi
- Quercus pedunculata - Criconemoides irregulare
- Quercus phellos - Helicotylenchus sp., Tylenchorhynchus sp.
- Quercus prinus - Criconema fimbriatum, Criconemoides macrodorum, Hemicycliophora sp., Hoplotylus femina, Pratylenchus penetrans, Trichodorus christiei, Tylenchorhynchus claytoni
- Quercus robur - Helicotylenchus canadensis, H. digonicus, H. dihystra, Hoplotylus femina, Longidorus maximus, Rotylenchus fallorobustus, R. goodeyi
- Quercus rubra - Criconemoides beljaevae, C. macrodorum, Helicotylenchus platyurus, Hoplolaimus galeatus, Longidorus elongatus, Xiphinema americanum
- Quercus sessilis - Criconemoides irregulare, Gracilacus audriellus, Paratylenchus sp.
- Quercus stellata - Criconemoides sp., Rotylenchus sp., Tylenchorhynchus sp., Xiphinema sp.
- Quercus suber - Meloidogyne sp.
- Quercus velutina - Criconemoides beljaevae, Helicotylenchus platyurus, Hoplolaimus galeatus, Pratylenchus penetrans

- Quercus virginiana - Hemicriconemoides biformis, Longidorus tarjani,
Paratylenchus minusculus
- Rhamnus carthartica - Pratylenchus penetrans
- Rhamnus frangula - Pratylenchus penetrans
- Rhododendron catawbiensis - Criconemoides curvatum, Hoplolaimus galeatus,
Paratylenchus curvitata, P. projectus, Pratylenchus
sp., P. crenatus, P. penetrans, Rotylenchus
robustus, Trichodorus sp., T. pachydermus, T.
porosus, Tylenchorhynchus claytoni, Xiphinema
americanum
- Rhododendron maximum - Gracilacus audriellus, Hoplolaimus galeatus
- Rhopala brasiliensis - Rotylenchus robustus
- Robinia pseudoacacia - Meloidogyne sp., Paratylenchus projectus, Pratylenchus
penetrans, Tylenchorhynchus claytoni
- Sabal palmetto - Peltamigratus christiei
- Salix sp. - Aphelenchoides sp., Helicotylenchus anhelicus, Hemicycliophora
hesperis, H. shepherdii, Hoplolaimus tylenchiformis, Meloidogyne
sp., M. incognita, M. javanica, Trichodorus californicus,
Tylenchorhynchus claytoni
- Salix alba - Meloidogyne javanica
- Salix alba var. coeruleae - Meloidogyne incognita
- Salix arctica - Criconemoides annulatum
- Salix babylonica - Meloidogyne sp., Pratylenchus vulnus, Tylenchorhynchus
rugosus
- Salix caprea - Meloidogyne javanica
- Salix viminalis - Meloidogyne javanica

- Sambucus nigra - Meloidogyne sp.
- Sapium sebiferum - Meloidogyne javanica
- Sassafras albidum - Helicotylenchus erythrinae, Hemicycliophora sp.
- Schinus sp. - Meloidogyne sp.
- Schinus molle - Meloidogyne sp.
- Schinus terebinthifolius - Rotylenchulus reniformis
- Sequoia sempervirens - Trichodorus californicus
- Serenoa repens - Criconemoides ornatus, Pratylenchus brachyurus
- Shorea robusta - Longidorus afzali, Paralongidorus sali
- Sophora japonica - Paratylenchus projectus, Pratylenchus crenatus, P. scribneri
- Sophora viciifolia - Meloidogyne sp.
- Sorbus aucuparia - Paratylenchus amblycephalus, P. projectus, Pratylenchus crenatus, P. penetrans, P. pratensis, Tylenchorhynchus claytoni, Xiphinema americanum
- Sorbus X hybrida - Gracilacus steineri
- Styrax sp. - Meloidogyne sp.
- Styrax japonica - Paratylenchus projectus, Tylenchorhynchus claytoni
- Swietenia sp. - Pratylenchus coffeae
- Swietenia mahagoni - Ditylenchus dendrophilus
- Tamarindus indica - Meloidogyne sp.
- Tamarix pentandra - Helicotylenchus californicus, Paratylenchus projectus
- Taxodium distichum - Pratylenchus penetrans
- Taxus sp. - Aphelenchoides sp., Belonolaimus sp., Criconema sp., Criconemoides sp., Ditylenchus sp., Helicotylenchus dihystra, H. erythrinae, H. multincinctus, Hemicycliophora sp., Heterodera sp., Hoplolaimus sp., H. tylenchiformis, Paratylenchus sp., P. nanus, Pratylenchus sp., P. pratensis, P. vulnus, Rotylenchus goodeyi, R. robustus, Scutellonema brachyurum, Trichodorus sp., Tylenchorhynchus sp., T. claytoni, T. dubius, Xiphinema sp., X. americanum

- Taxus baccata var. dovastoni - *Hoplolaimus galeatus*, *Pratylenchus crenatus*,
P. penetrans
- Taxus canadensis - *Criconemoides lobatum*, *Hemicycliophora* sp., *H. uniformis*,
Paratylenchus sp., *Rotylenchus* sp., *Xiphinema americanum*
- Taxus cuspidata - *Criconemoides curvatum*, *Helicotylenchus dihystrera*, *H.*
platyurus, *Hoplolaimus galeatus*, *Rotylenchus robustus*
- Theobroma sp. - *Helicotylenchus multicinctus*
- Theobroma cacao - *Aphasmatylenchus nigeriensis*, *Criconemoides* sp., *C.*
limitaneum, *C. onoense*, *Helicotylenchus dihystrera*, *H. erythrinae*,
H. microcephalus, *H. multicinctus*, *H. nigeriensis*, *Hemicycliophora*
paradoxa, *Meloidogyne* sp., *M. incognita*, *Paratylenchus* sp.,
Pratylenchus brachyurus, *P. coffeae*, *Scutellonema aberrans*,
S. cavenessi, *S. validum*
- Thuja sp. - *Helicotylenchus serenus*, *Pratylenchus penetrans*, *Rotylenchus*
robustus, *Tylenchorhynchus* sp., *T. claytoni*, *Xiphinema americanum*
- Thuja occidentalis - *Criconemoides bakeri*, *Longidorus maximus*, *Rotylenchus*
robustus
- Thuja occidentalis var. fastigiata - *Criconemoides curvatum*, *Helicotylenchus*
platyurus, *Hoplolaimus galeatus*, *Paratylenchus projectus*,
Pratylenchus crenatus, *P. penetrans*, *Rotylenchus robustus*,
Tylenchorhynchus claytoni
- Thuja occidentalis var. globosa - *Paratylenchus projectus*, *Pratylenchus* sp.,
P. penetrans, *Rotylenchus robustus*
- Thuja orientalis - *Pratylenchus penetrans*
- Thuja plicata - *Criconema seymouri*
- Thuja standishii - *Tylenchorhynchus claytoni*, *Xiphinema americanum*

- Tilia sp. - Hemicycliophora uniformis
- Tilia europaea - Criconemoides sp., Paratylenchus projectus, Pratylenchus crenatus, Xiphinema americanum
- Tipuana tipu - Meloidogyne javanica
- Trachycarpus excelsa - Meloidogyne sp.
- Tsuga sp. - Aphelenchoides sp., Criconemoides sp., Hemicycliophora sp., Hoplolaimus sp., H. tylenchiformis, Paratylenchus projectus, Pratylenchus sp., P. penetrans, P. pratensis, Rotylenchus goodeyi, Tylenchorhynchus claytoni, T. dubius, Xiphinema sp., X. americanum
- Tsuga canadensis - Hoplolaimus galeatus, Paratylenchus nanus, Tylenchorhynchus claytoni
- Tsuga heterophylla - Criconemoides annulatum, Ditylenchus sp.
- Ulmus sp. - Aphelenchoides fragariae, A. limberi, Criconema menzeli, Criconemoides sp., C. beljaevae, Ditylenchus sp., Helicotylenchus sp., Hemicycliophora sp., H. similis, H. uniformis, Hoplolaimus sp., Longidorus sp., Meloidogyne sp., Paratylenchus sp., Pratylenchus sp., Rotylenchus sp., Tylenchorhynchus sp., T. acutus, T. claytoni, Xiphinema sp., X. americanum
- Ulmus americana - Criconemoides beljaevae, Gracilacus audriellus, Helicotylenchus platyurus, Hemicriconemoides wessoni, Hoplolaimus galeatus, Meloidogyne sp., M. ovalis, Rotylenchus robustus, Tylenchorhynchus claytoni, Xiphinema americanum
- Ulmus campestris - Meloidogyne sp.
- Ulmus parvifolia - Helicotylenchus dihystrera, Hoplolaimus tylenchiformis, Trichodorus sp., Tylenchorhynchus claytoni
- Ulmus pumila - Meloidogyne sp., Pratylenchus penetrans

- Umbellularia sp. - *Criconemoides californicum*
- Umbellularia californica - *Bakernema variabile*, *Criconemoides crotaloides*,
C. kovacsi, *C. macrodorum*, *C. microserratus*,
Gracilacus anceps, *G. intermedius*, *G. sarissus*,
Paratylenchus macrophallus, *Sphaeronema californicum*
- Viburnum sp. - *Helicotylenchus* sp., *Tylenchorhynchus* sp.
- Viburnum lantana - *Paratylenchus projectus*, *Pratylenchus penetrans*
- Viburnum prunifolium - *Criconema inaequale*, *Criconemoides macrodorum*,
Gracilacus audriellus, *Hemicyclophora* sp., *Longidorus*
elongatus, *Trichodorus aequalis*, *Xiphinema americanum*
- Washingtonia sp. - *Meloidogyne* sp.
- Washingtonia filifera - *Meloidogyne* sp.
- Washingtonia gracilis - *Meloidogyne* sp.
- Zanthoxylum piperitum - *Meloidogyne* sp.
- Zizyphus mucronata - *Meloidogyne* sp.

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