

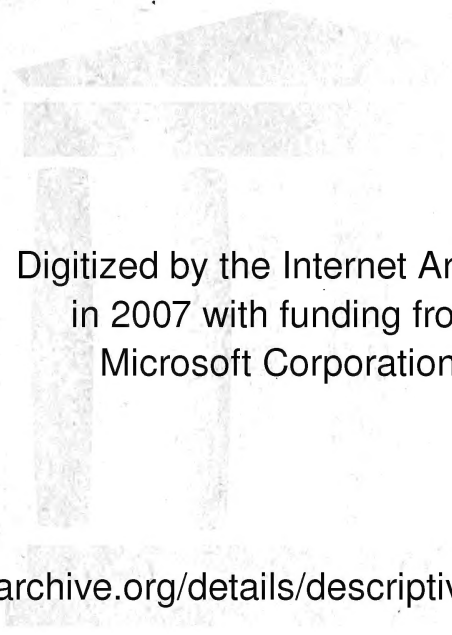
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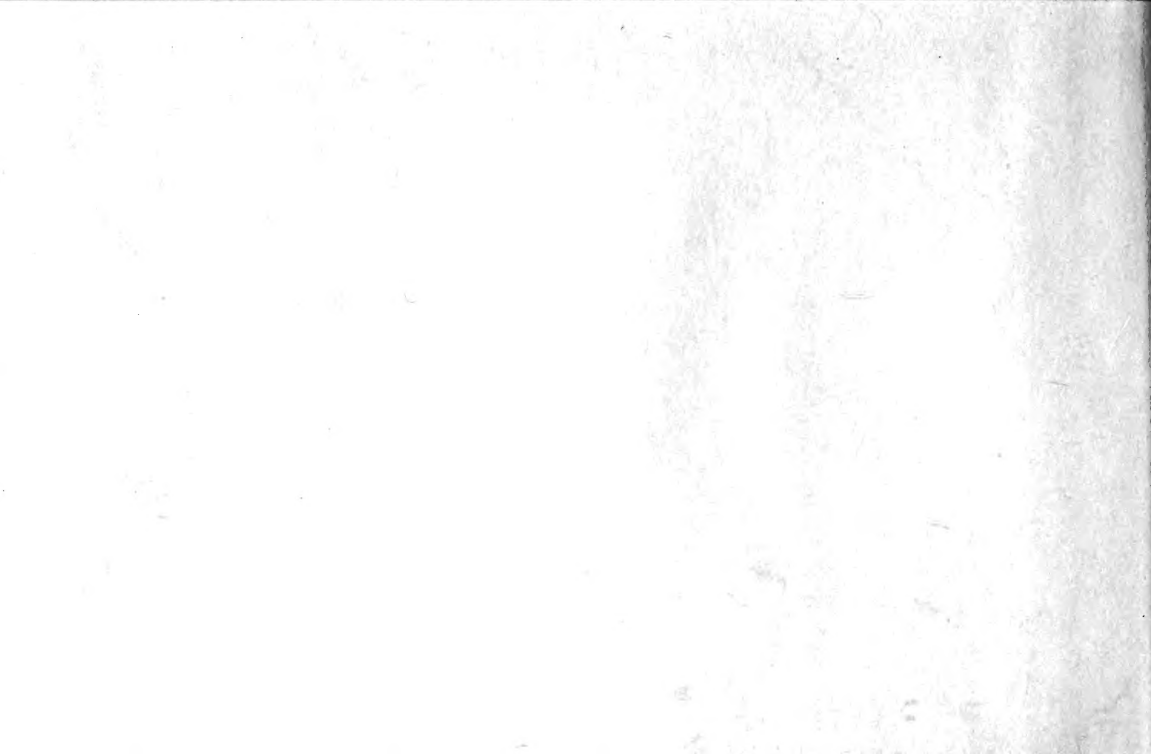
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PART II.

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*Descriptive List of Trees and Shrubs  
of the*

*Eastern Circle, United Provinces,*

by

P. C. KANJILAL.

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pt. 2



## PREFACE.

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This list deals mainly with the Pilibhit, North and South Kheri, Bahraich, Gonda, Gorakhpur, Banda and Jhansi Forest divisions of the United Provinces.

The distribution has been based on specimens collected under the supervision of Divisional Forest officers. The herbarium of the Forest Research Institute at Dehra Dun has also been consulted.

A few herbs have been included. These are principally species which are either of economic value or are such as are likely to be interesting to foresters. Of the grasses only few of the more important ones have been included. It is hoped that they will be dealt with in a subsequent publication.

The vernacular names in the list should be used with caution except when they belong to plants with the utility of which the average villager is familiar. It may be observed that as a class the people who collect various articles of minor forest produce have the most reliable vocabulary of these names.

It will be seen that distribution data and field observations are not complete in the case of several plants. It is earnestly hoped that local forest officers would supply this deficiency.

The writer's best thanks are due to Sir Peter Clutterbuck, K.T., C.B.E., C.I.E., but for whose keen interest when Conservator of the Circle collection of specimens in the present scale would never have been possible ; to Mr. R. S. Hole, C.I.E., and to Mr. R. N. Parker for affording him every facility in his work ; to Mr B. L. Gupta for valuable assistance in identifications ; and to all Divisional Forest officers of the Circle for co-operation in the collection of specimens.

P. C. KANJILAL.

DEHRA DUN :

*The 7th March, 1925.*

*Abbreviations.*

P.—Pilibhit Division.

K.—Kheri do.

Bah.—Bahraich do.

Gon.—Gonda do.

Gor.—Gorakhpur do.

*Abbreviations.*

J.—Jhansi Division.

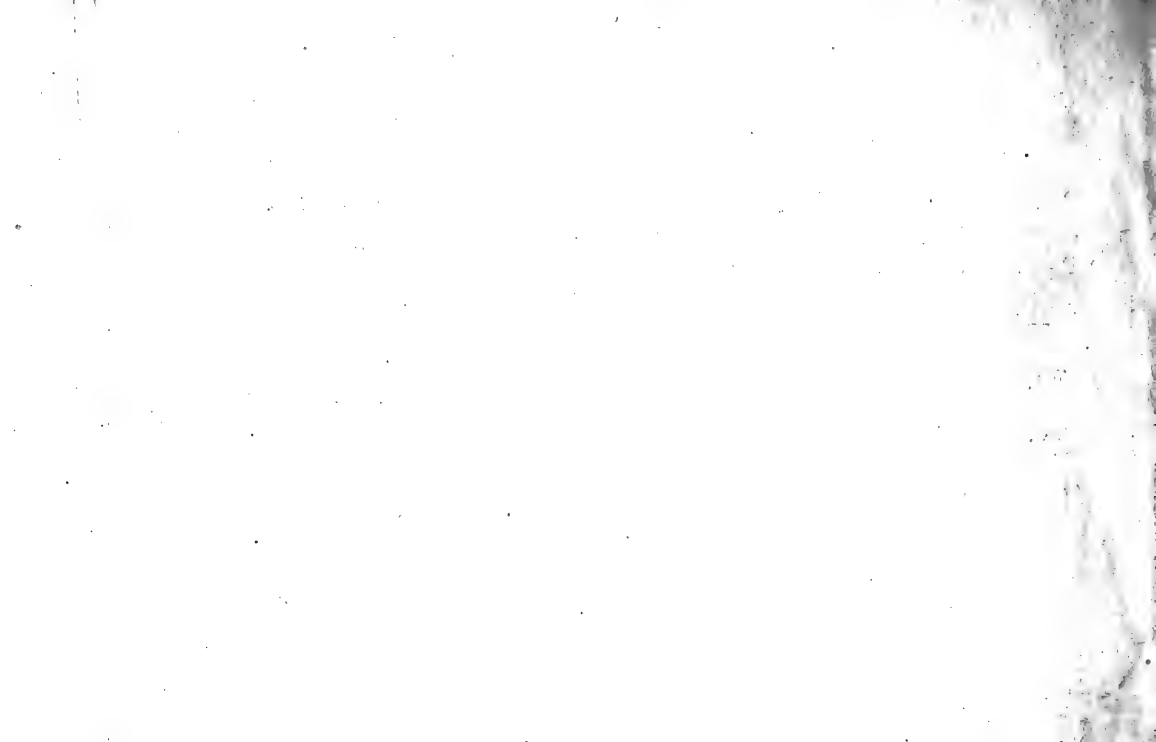
Ban.—Banda do.

*Oudh Divisions.*

North Kheri, South Kheri, Bahraich  
and Gonda.

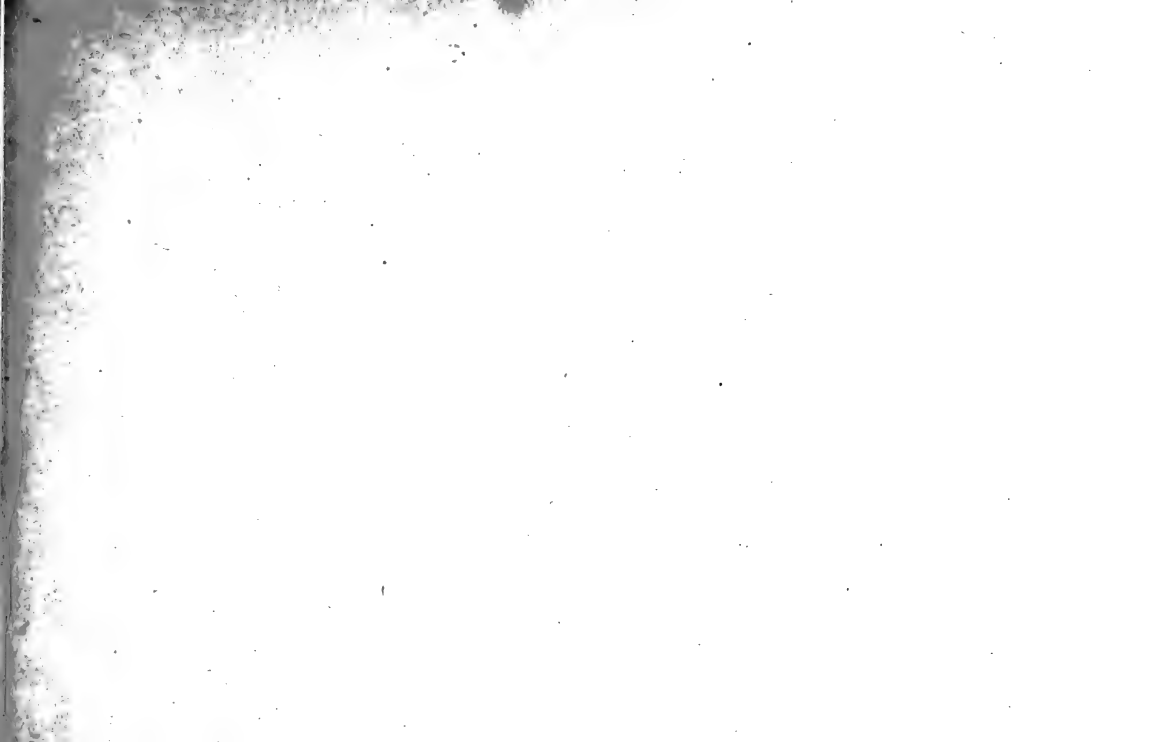
*Bundelkhand.*

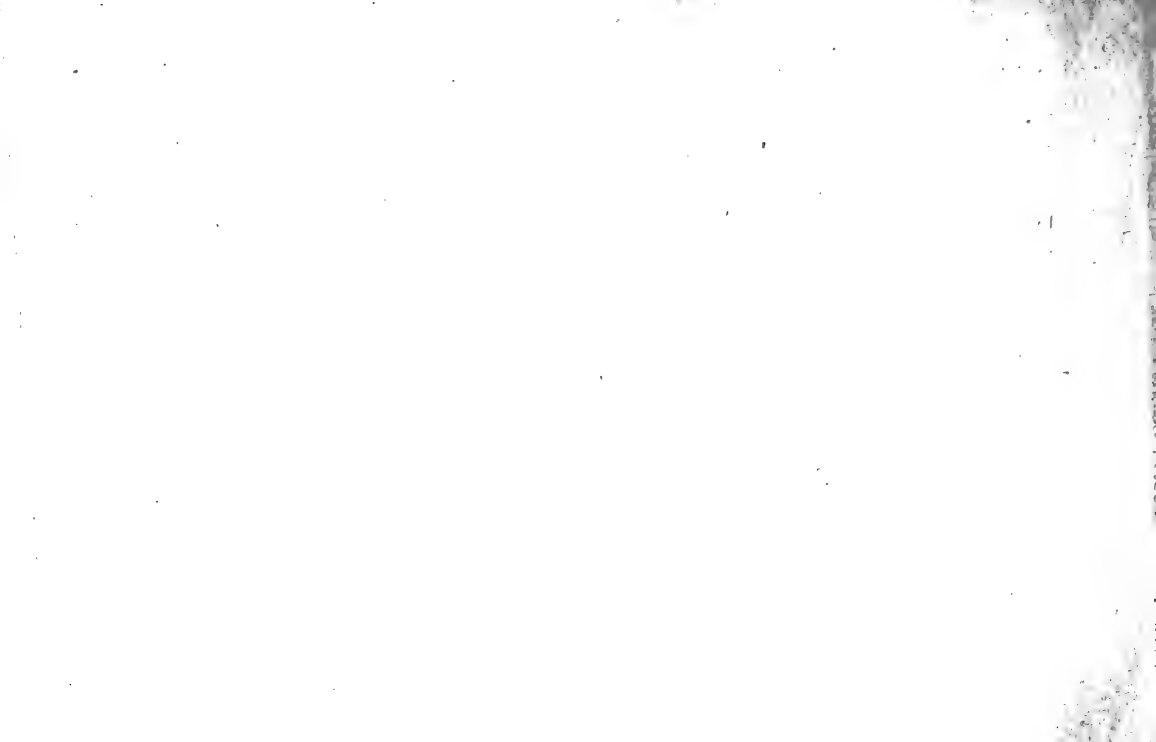
Jhansi and Banda Divisions.



Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
RANUNCULACEÆ.	<i>Clematis Cadmia, Ham.</i>	..	Slender climber.	White tinged with blue.	February-March.	April.	...	Swampy grasslands in Gorakhpur.	Rare.
	<i>Clematis Gou-riana, Roxb.</i>	Tisli Baur, (Bah.) Kanjūli (Gor.)	Do.	White.	Sept.-October.	Cold season.	...	Pilibhit, South Kheri, North Kheri, Bahraich, Gorakhpur.	
DILLENIA-CEÆ.	<i>Dillenia aurea, Smith.</i>	Aggai (Gon.), Chamaggai, (Gor.).	Small tree.	Yellow.	April-May.	...	...	Gonda, Bahraich, Gorakhpur.	
	<i>Dillenia pentagyna, Roxb.</i>	Aggai.	Do.	Do.	Mar.-April.	May.	...	In all divisions except Jhansi and Banda.	
	<i>Dillenia indica, Linn.</i>	Chāltā.	Medium-sized tree.	White.	June-July.	Cold season.	...	...	Cultivated.
ANONACEÆ.	<i>Uvaria Hamiltonii Hk. f.</i>	Pahāri Gohar (Gor.)	Scandent shrub or tree.	Brick red.	April-May.	Rainy season.	...	Gorakhpur ...	Rare.
	<i>Polyalthia suberosa Benth.</i>	Khirūi, Cham-khirūi.	Small tree.	Reddish brown.	June-July.	Oct.-Feb.	...	Pilibhit, Bahraich, Gonda, Gorakhpur.	In flower and fruit during the greater portion of the year.

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ANONACEÆ. —(concl'd).	<i>Polyalthia longifolia</i> , <i>Benth.</i>	Asók.	Medium-sized tree.	Green.	April-June.	Ju'y	Ever green	Cultivated.	
	<i>Milnsa velutina</i> , <i>Hk f.</i>	Kári.	Small-medium-sized tree.	Do.	March-April.	June-July.	Deciduous	Throughout the circle.	
	<i>Scopetalum tomentosum</i> , <i>Hk. f.</i>	Do.	Do.	Do.	Do.	Do.	Do.	Do.	
	<i>Anona squamosa</i> , <i>Linn.</i>	Sharifá, Sitá-phal.	Small tree.	Do.	June.	Oct.-Nov.	...	Pilibhit, Gonda, Bahraich, Gorakhpur, Jhansi, Etawah.	Extensively cultivated; naturalised in Bundelkhand.
MENISPERMACEÆ.	<i>Cocculus villosus</i> , <i>DC.</i>	Charénti (Ban). Sarentá (J).	Slender climbing shrub	Do.	Jan.—March.	Jan.—March	...	Banda, Jhansi, Kheri.	
	<i>Pericampylus incanus</i> , <i>Miers.</i>	...	Climber.	Do.	...	...	...	Pilibhit, Kheri, Bahraich.	
	<i>Cissampelos Pareira</i> , <i>Linn.</i>	Purainá, Párhí. Puraina parhi (Gor).	Do.	Do.	March to end of rains.	Nov.—Jan.	...	Abundant all over the circle.	



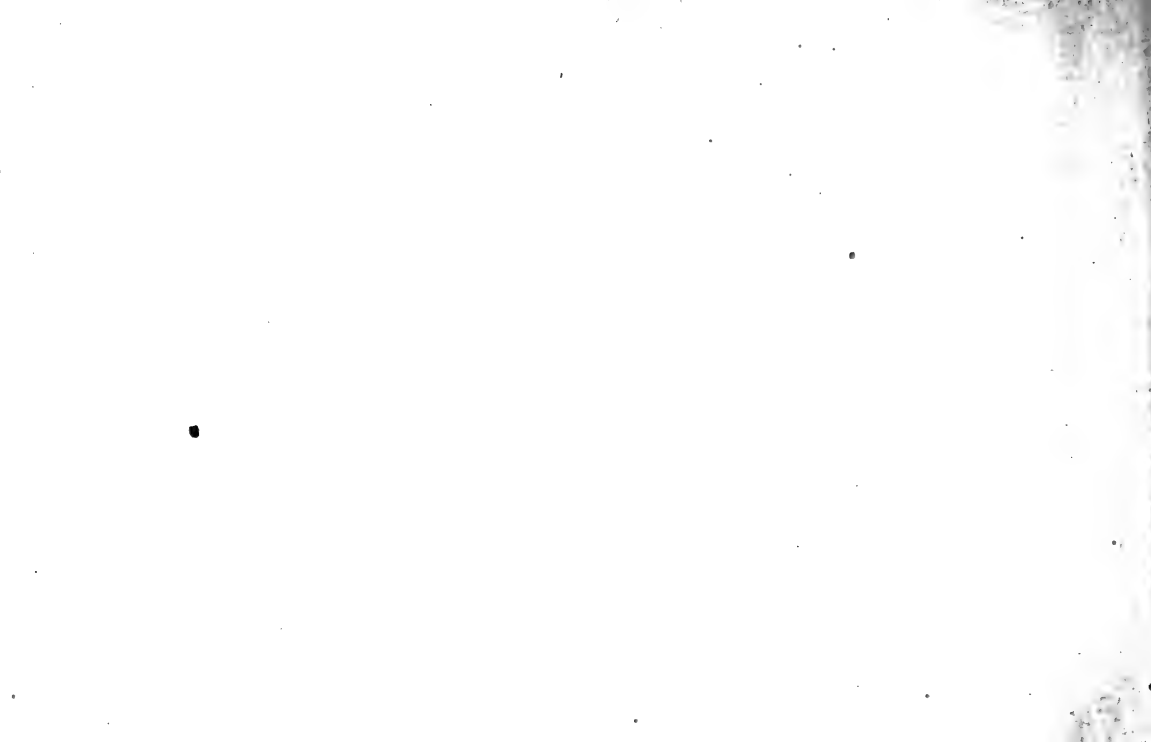




Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MENISPER- MACEÆ.— (concl.)	<i>Tinospora cordifolia</i> , <i>Miers.</i>	Gúlóh, Gúrich, Nim Karúí	Climber.	Green.	Hot and rainy season.	Rainy season.	...	All over the circle.	
	<i>Anamarita paniculata</i> , <i>Colebr.</i>	Kákmári.	Greenish yellow.	...	...	...	...	Bahraich.	
	<i>Tiliacora racemosa</i> , <i>Colebr.</i>	Karwath (Bah, Gond, Gor, Ban.) Rangóí (Pil, K.) Chamsróbel (Ban).	...	...	...	...	...	Pilibhit, Gon- da, Gorakh- pur, Bah- raich, Banda.	
NYMPH- ACEÆ.	<i>Euryale ferox</i> , <i>Salisb.</i>	Makháná.	Aquatic herb.	Bluish purple	May— Sept.	Cold sea- son.	...	Pilibhit, Go- rakhpur and Oudh divisions	Fruits eaten.
	<i>Nymphaea Lotus</i> , <i>Linn.</i>	Kanwal.	Do.	Pink and also white.	Rainy season.	Do. ...	...	All over the area in jhils.	
PAPAVARA- CEÆ.	<i>Argemone mexicana</i> , <i>Linn.</i>	Bharbhandáí (Pil., Bah., Gon.) Kataí, Bhárbbhar (Kh., Gor.)	...	...	...	...	...	An abundant weed all over the circle.	

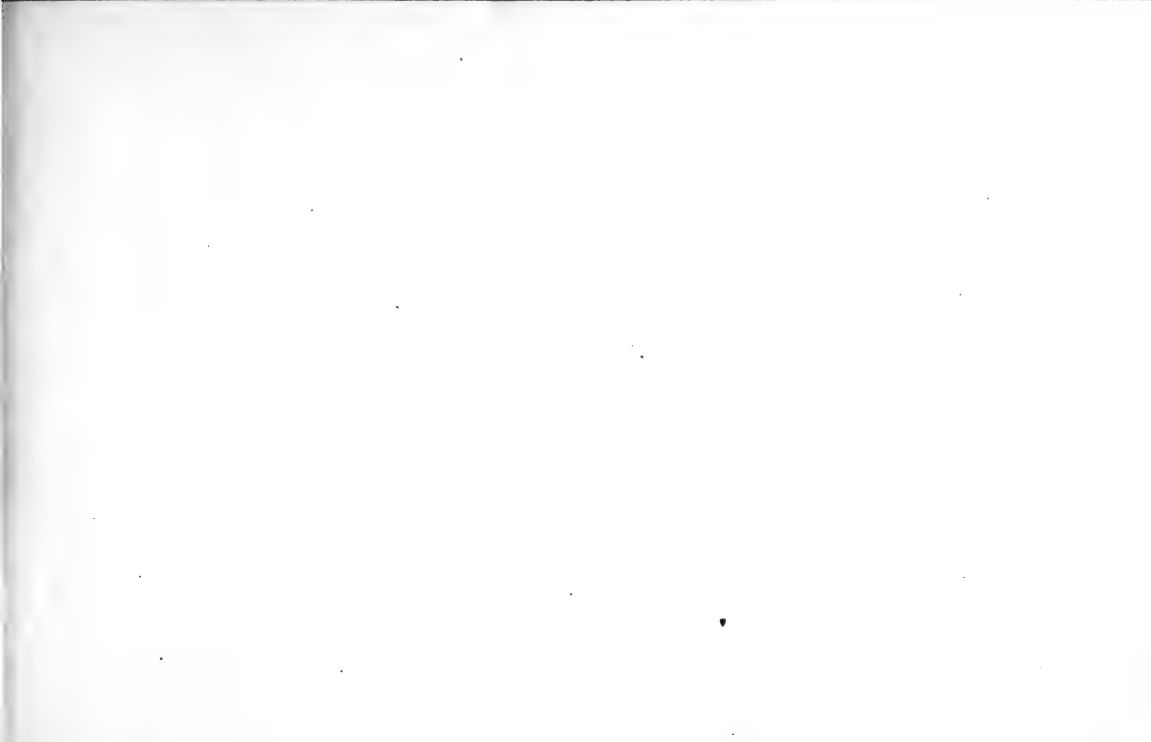
Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
CAPPARIDACEÆ.	<i>Mærua arenaria</i> , <i>Hk.f. &amp; T.</i>	Chilkánú, rukhniya	Climbing shrub.	White.	Feb.	...	...	Jhansi, Etawah.	Leafless.
	<i>Cratœva religiosa</i> , <i>Forst.</i>	Barná, Baibar-ná.	Small-middle-sized tree	White and yellow.	March-April.	Rainy season.	...	Bahraich, Gonda, Gorakhpur, Jhansi.	
	<i>Capparis aphylla</i> , <i>Roth.</i>	Káril.	Shrub.	Red or brownish red.	April-May.	...	...	Etawah.	
	<i>Capparis sepiera</i> , <i>Linn.</i>	Aundi.	Scandent shrub.	White.	June—Nov.	...	...	Jhansi, Etawah.	
	<i>Capparis horrida</i> , <i>Linn.</i>	Karálwá (Bah. Gon., Et.) Harwá (J.) Aundi (J.)	Do.	Purple	Feb.—April.	Rainy season.	Evergreen.	Throughout the circle.	
BIXACEÆ.	<i>Cochlospermum Gossypium</i> , <i>DC.</i>	Gúbdí (J.), Ganyórá (J.)	Small tree.	Yellow.	Feb.—April.	May—June.	Deciduous.	Gonda, Jhansi. Banda, Bahraich.	
	<i>Flacourtia cactaphracta</i> , <i>Rozb.</i>	Panyálá (Gor.)	Medium-sized or small tree.	Green.	March—May.	Rainy season.	Evergreen.	Pilibhit, Gorakhpur.	Often cultivated for its fruits.

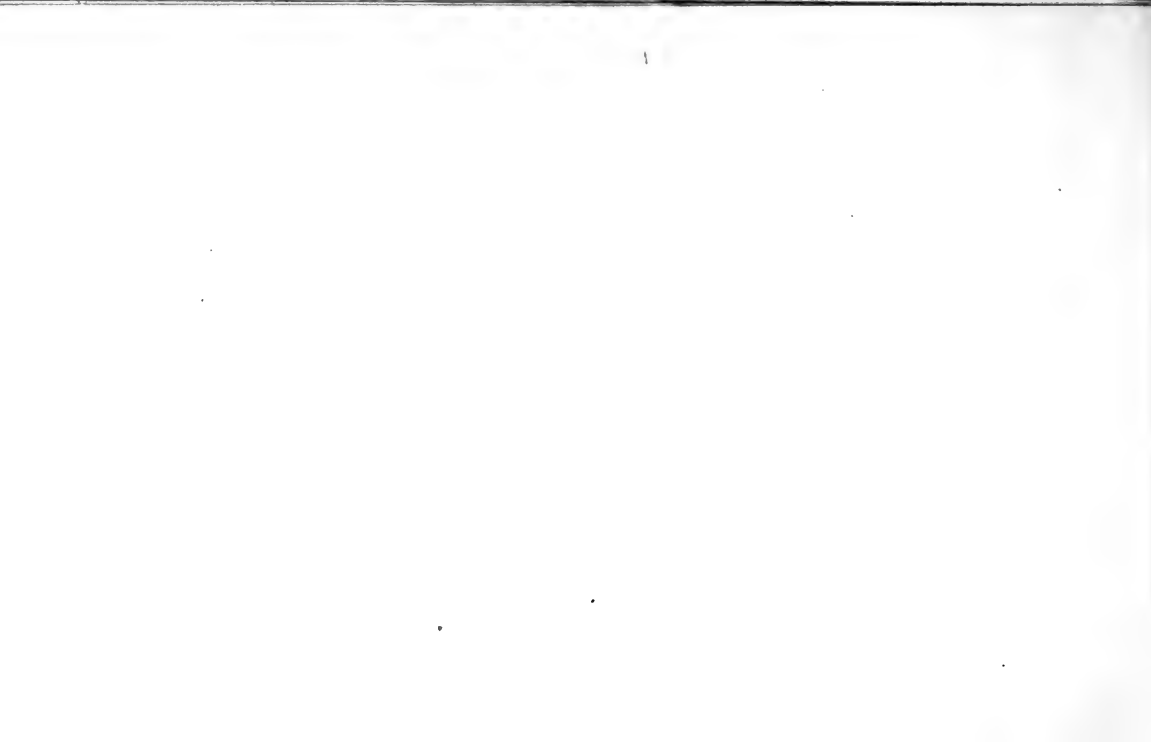




Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
BIXACEÆ— (concl'd.)	Flacourta Ramontchi, L'Herit.	Katái, Katía (J) Kanker.	Small tree	Green.	Feb.—April.	April—July.	Deciduous.	Throughout the circle.	
	Xylosma longifolium, Clos.	Kantáwá (Bah.)	Small to medium-sized tree.	Do.	Nov.—Jan.	April—May.	...	Pilibhit, Gonda, Bahraich.	
TAMARICACEÆ.	Tamarix dioica, Roxb.	Jháu.	Shrub	Pink.	May—July.	Cold season.	Evergreen.	Throughout the circle.	
	Tamarix erioides, Rottl.	Lál Jháu.	Shrub—small tree.	Rose pink.	Sept.—Jan.	...	Do.	Jhansi.	
DIPTEROCARPACEÆ.	Shorea robusta, Gortn. f.	Sákhú, sál, Sákhú (Gor.).	Tree	Cream.	March—April.	Early July or end of June.	Sub-deciduous.	Throughout the circle except Jhansi.	
MALVACEÆ	Malvustrum tricuspdatum, A. Gray.	...	Perennial herb or under shrub.	Yellow.	Throughout the year.	Throughout the year.	Evergreen.	Throughout the circle.	Waste land weed.
	Sida veronicifolia, Lamk.	...	Low under shrub.	Do.	Do.	...	Do.	Throughout the circle.	In waste lands.

family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MALVACEÆ —(contd.).	<i>Sida rhombifolia</i> , Linn.	...	Under shrub.	Yellow.	Throughout the year.	Throughout the year.	...	All over the circle, also Etawah.	In waste lands.
	<i>Sida cordifolia</i> , Linn.	...	Do	Do	Do.	Do.	...	Throughout the circle.	Do.
	<i>Sida spinosa</i> , Linn.	...	Do.	Do.	Do.	Do.	...	In waste lands throughout the circle.	
	<i>Sida acuta</i> , Burm. f.	...	Do.	Do.	Do.	Do.	...	Do.	
	<i>Abutilon indicum</i> , Sweet.	Jangli Kanghai (Bah.), Kanghi (Pil., J.), Bará bariará (K). Kakai.	Do.	Do.	Do.	Do.	...	Do., also Etawah.	
	<i>Abutilon asiaticum</i> , G. Don.	...	Do.	Do.	April.	April.	Ever-green.	Etawa, Gonda.	
	<i>Abutilon Ramosum</i> , Guill & Parr.	...	Under shrub.	Do.	Do.	...	...	Banda.	
<i>Abutilon avicennæ</i> , Garin.	...	Herbaceous.	Do.	Do.	Do.	Do.	Annual.	Gorakhpur.	

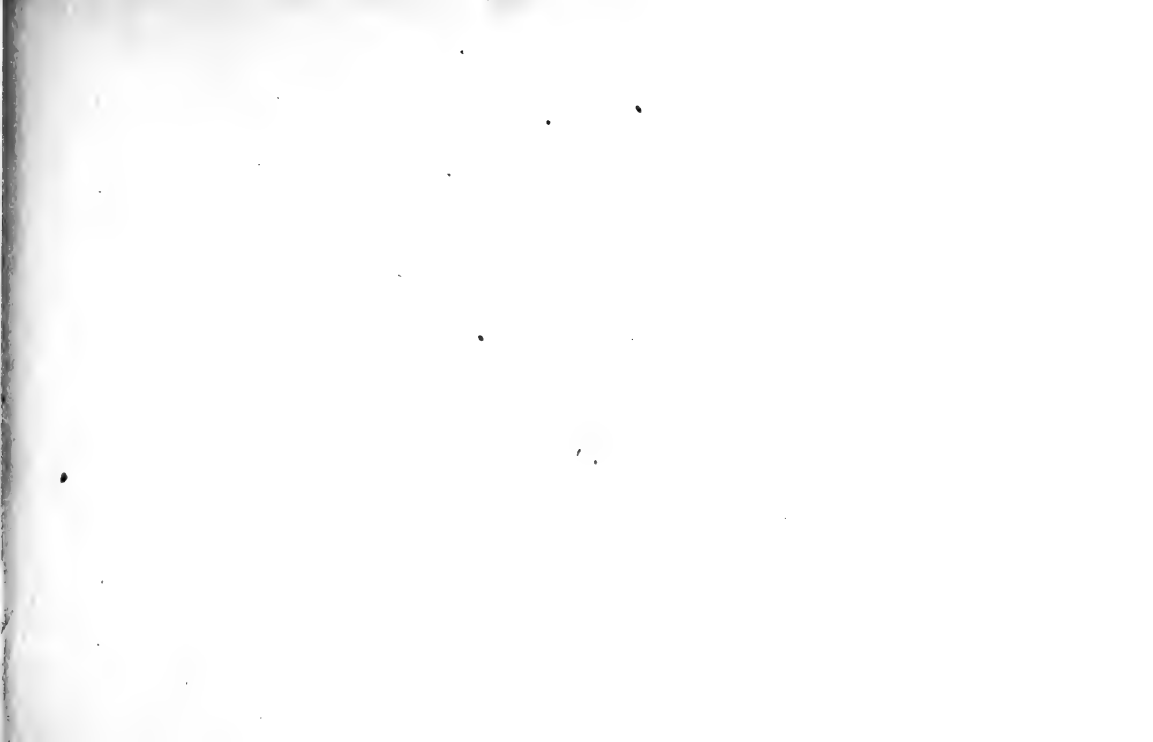


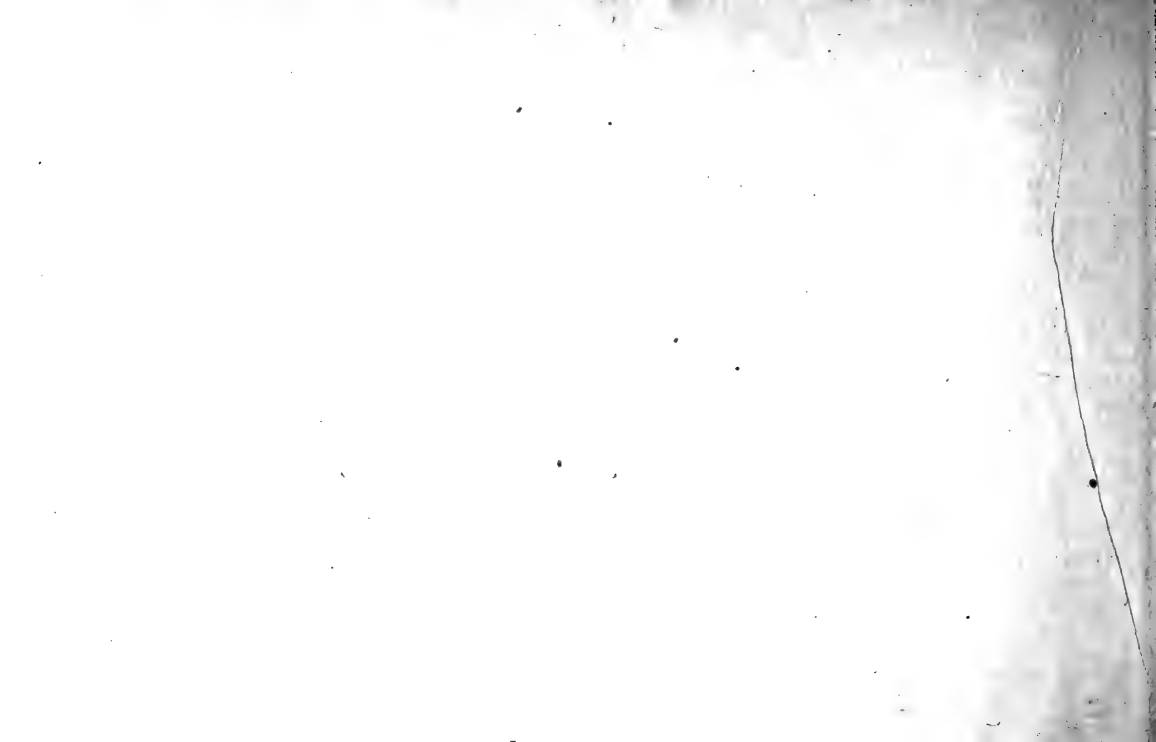




Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2	3	4	5	6	7	8	9	10
MALVACEÆ —(contd).	<i>Urena lobata</i> , <i>Linn.</i>	Pithiá (Gon.) Laptai (Gor.).	Under- shrub.	Pink.	Rainy season.	Oct.— Jan.	Decidu- ous.	Throughout the circle.	A waste land weed.
	<i>Urena repanda</i> , <i>Roxb.</i>	Bará bariará (Bah.).	Do. or peren- nial herb.	Do.	Do.	Oct.— Dec.	...	Pilibhit, Bahraich, Gonda.	
	<i>Hibiscus mi- cranthus</i> , <i>Linn.</i>	...	Under shrub.	Yellow with purple centre.	February	June	Decidu- ous.	Jhansi, Etawah.	
	<i>Hibiscus Gib- soni</i> , <i>Stocks.</i>	...	Do.	Do.	Rainy season.	...	...	Banda, Jhansi, Etawah.	
	<i>Thespesia Lampas</i> , <i>Dalz and Gibs.</i>	Bau Kapás.	Do.	Prim- rose with purple centre.	Do.	Oct.— Dec.	Decidu- ous.	All over the circle.	
	<i>Gossypium neglectum</i> , <i>Todaro.</i>	Kapás.	Sub-her- baceous.	Yellow with purple centre. White.	Do.	Early winter.	...	...	
<i>Kydia calyci- na</i> , <i>Roxb</i>	Patháhá, Pa- tahi, Pála (J.) Bhóti (B.).	Small- medium- sized tree.		Do.	Winter.	Decidu- ous.	All over the circle.		

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
MALVACEÆ ( <i>concl.</i> ).	<i>Bombax malabaricum</i> , DC.	Semal.	Tree.	Red.	Jan.— March.	April— May.	Deciduous.	All over the circle.	
	<i>Pavonia odorata</i> , Willd.	...	Sub-herbaceous.	Pink or white.	...	...	...	Bandelkhand.	Duthie's collection.
	<i>Pavonia zeylanica</i> , Cav.	...	Under-shrub.	White.	Rainy season.	...	...	Banda, Etawah.	
STERCULIACEÆ.	<i>Sterculia urens</i> , Roxb.	Kateerá Karár (J.).	Tree.	Brownish green.	Nov.— March.	March— April.	Deciduous.	Jhansi.	
	<i>Sterculia villosa</i> , Roxb.	Udal, Udár, Gúdar (K., Gon.).	Medium-sized tree.	Yellow.	Jan.— April.	June— July.	Do.	All over the circle.	
	<i>Sterculia colorata</i> , Roxb.	Samari (Pil.).	Tree.	Orange.	March— April.	April— July.	Do.	Pillbhit, Gonda, Bahraich.	
	<i>Helicteres Isora</i> , Linn.	Bendú (K. Bah., Gon.), Súthi (Gor., Ban.), Maróri (Bah.), Marórphali (J., Gor., Pil., K.).	Shrub.	Red.	April— Nov.	Cold season.	Almost evergreen.	All over the circle.	Leafless for a short period in April.





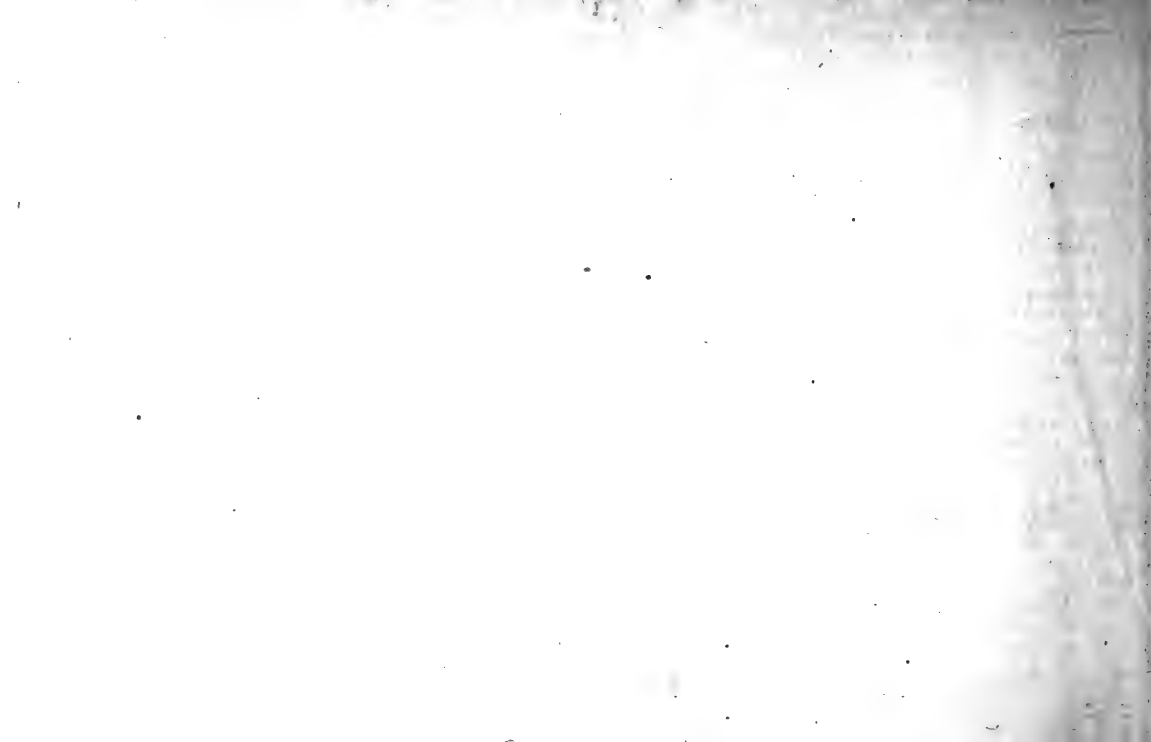
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STERCULIACEÆ— ( <i>conold.</i> ).	<i>Pterospermum acerifolium</i> , Willd.	Muchkand (K., J.).	Tree.	White.	March—June.	Nov.—Dec.	Evergreen.	Kheri, Jhansi, Gonda.	
	<i>Eriolæna Wallichii</i> , DC.	Bendá (Gon.), Barbándá (J.).	Shrub or small tree.	Yellow.	May—June.	Dec.—Jan.	Deciduous.	Bahraich, Gonda, Gorakhpur, Jhansi.	Fruits remaining long on the tree.
	<i>Eriolæna Hookeriana</i> , W. and A.	Barbaindá (J.). Ban Kapasi (B.) Gúmer (J).	Do.	Do.	June—July.	Do.	Do.	Jhansi, Banda.	On hills.
	<i>Melhanía Hamiltoniana</i> , Wall.	...	Shrub.	Do.	May—June.	Rainy season.	...	Etawah, Banda.	
	<i>Melochia cecchorifolia</i> , L.	...	Under-shrub or perennial herb.	Pinkish white.	Rainy season.	Do.	...	All over the area.	Waste land weed.
	<i>Waltheria indica</i> , L.	...	Under-shrub.	Yellow.	Do.	Cold season.	...	Jhansi.	
TILIACEÆ.	<i>Grewia pilosa</i> , Lamk.*	Gangerdá (J.)	Shrub or small tree.	..	May—Oct.	Dec.—Jan.	Deciduous.	Pilibhit, Bahraich, Jhansi, Etawah, Banda.	

\* *Syn G. flavescens*, Juss.

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TILIACEÆ. (contd.).	<i>Grewia scabrophylla</i> , Roxb.	Bendú (Pil. K., Gon., Bah.), Dapher (Bah., Gor.).	Shrub	White.	March—Sep.	Oct.—Nov.	...	All over the circle in grass lands.	Fruit long persistent after ripening.
	<i>Grewia elastica</i> , Royle.	Phálsá, Phársá.	Small tree.	Yellow.	April.	Aug.—Oct.	Deciduous.	Jhansi, Bahraich.	Also probably in other divisions.
	<i>Grewia vestita</i> , Wall.	Do.	Do.	Do.	April—May.	Do.	Do.	Gonda, Gorakhpur, Jhansi, Kheri, Pilibhit, Bahraich.	
	<i>Grewia Hainiana</i> , Hole*.	Phálsá, Phársá, Dháman (Pil. J.)	Small-medium-sized tree.	Do.	April—June.	June—Aug.	...	Throughout the circle.	New leaves appear almost as soon as the old leaves fall.
	<i>Grewia tiliacifolia</i> , Vahl.	Phálsá	Medium-sized tree.	Do.	March—May.	Do.	...	Gorakhpur, Kheri, Jhansi.	Cultivated all over the area of the circle.
	<i>Grewia sapida</i> , Léon.	Phálsá, Phársá	Switchy under-shrub.	Do.	March—June.	May—Nov.	Deciduous.	Throughout the circle in fire lines and areas periodically burnt by fire.	In the cold season the plant dies back to the root-stock.

\* Included under *Grewia asiatica*, Léon. in most works.

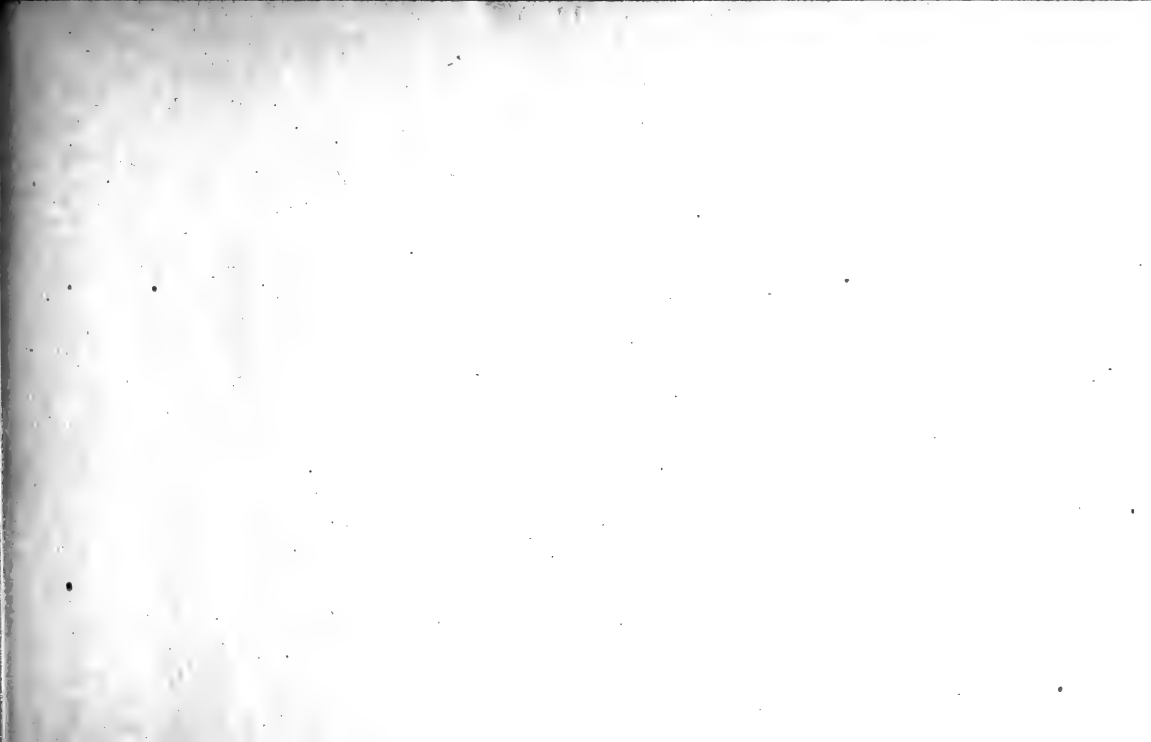






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TILIACEÆ —(contd.)	<i>Grewia laevigata</i> , <i>Vahl.</i>	Hariá (Pil.), Kakai (Bah.), Banhariá (Gon.).	Small tree.	White.	June— Oct.	Dec.— Feb.	Ever-green.	Pilibhit, Gorakhpur and all Oudh forests.	
	<i>Grewia polygama</i> , <i>Roxb.</i>	Sitáshabaini, Gúrshakri, Gúrgawá (J.), Chabeni (Bah.).	Shrub.	Greenish.	April— Aug.	Nov.— Dec.	...	Throughout the circle.	
	<i>Triumfetta pilosa</i> , <i>Roth.</i>	...	Under shrub.	Yellow.	Rainy season.	Nov.— Jan.	...	Throughout the circle in waste lands.	
	<i>Triumfetta rhomboidea</i> , <i>Jacq.</i>	Bhóra (Bah.)	Do.	Do.	June— Oct.	Oct.— Jan.	...	Ditto.	
	<i>Corchorus capsularis</i> , <i>Linn.</i>	...	Annual	Do.	Rainy season.	Rainy season.	...	Jhansi, Banda.	The jute.
	<i>Corchorus olitorius</i> , <i>Linn.</i>	...	Do.	Do.	Do.	...	...	Pilibhit, Gorakhpur.	Do.
	<i>Corchorus acutangularis</i> , <i>Lamk.</i>	...	Do.	Do.	Do.	Rainy season.	...	Throughout the circle.	
LINACEÆ.	<i>Reinwardtia trigyna</i> , <i>Planch.</i>	Basant (Bah., Gor.).	Under-shrub or shrub.	Primrose.	Dec.— Feb.	Feb.— May.	...	Bahraich, Gonda.	

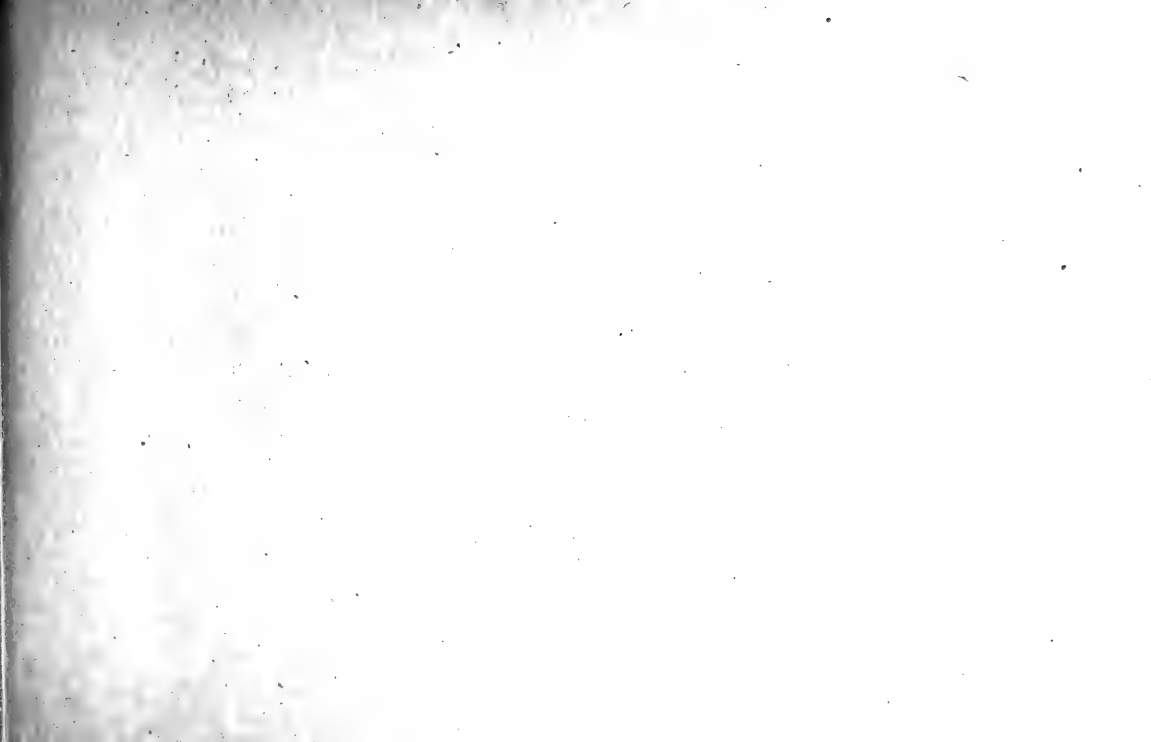
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LINACEÆ— ( <i>conold.</i> ).	Syn. Reinwardtia indica, <i>Dum.</i> <i>Comm.</i>								
MALPIGHI- ACEÆ.	Hiptage Man- dablotia, <i>Gertn.</i>	Madhmálati (Bah, Gor.), Yentó (Jh.).	Climbing shrub.	White and yellow.	Jan.— April.	April— June.	Ever- green.	Throughout the circle.	
	Aspidopterys Wallichii, <i>Hk.f.</i>	...	Do.	White.	Rainy season.	Nov.— Dec.	...	N. Kheri, Bahraich, Gonda.	Fruits persist ong on the plant.
	Aspidopterys nutans, <i>Hk.f.</i>	...	Do.	Do.	Do.	Cold season.	...	Gonda, Bah- raich.	Fruits persist long after maturity.
ZYGOPHYL- LACEÆ.	Tribulus ter- restris, <i>Linn.</i>	Gokharu.	Herb.	Yellow.	Rainy season.	Do.	...	Throughout the circle.	Valued medicinally.
GERANI- ACEÆ.	Averrhoa Ca- rambola, <i>Linn.</i>	Kamrakh.	Tree.	White.	March- April.	Do.	Ever- green.	Largely culti- vated.	
RUTACEÆ.	Glycosmis pen- taphylla, <i>Cor- sea.</i>	Makrand (Pil), Ghutruá (Bah.), Bannimbú (Gor., Gon.), Girgitti (Gor., Gon.).	Shrub.	Do.	Through- out the year.	Through- out the year.	Do.	Oudh divisions, Pilibhit, Gorakhpur.	





Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.	
1	2	3	4	5	6	7	8	9	10	
RUTACEÆ.— (contd.).	<i>Murraya exotica</i> , Linn.	Háril (Pil.), Mircbá (Gor.).	Shrub or small tree.	White.	March— Nov.	Oct.— Jan.	Evergreen.	Throughout the circle.		
	<i>Murraya Koenigii</i> , Spreng.	Nimkathá, Kathnim.	Do.	Do.	Feb.— May.	July— Oct.	...	Do.	Flowering may occur during rainy season also.	
	<i>Clausena pentaphylla</i> , DC.	Ratanjót.	Under shrub	Do.	Feb.— June.	April to end of rainy season.	Deciduous.	Pilibhit, Gorakhpur and Oudh divisions.	Sporadic flowering up to November and fruiting in cold season.	
	<i>Clausena Wampii</i> , Blanco.	Ampich.	Small tree	Do.	May.	July.	Evergreen.	Cultivated.		
	<i>Limonia acidissima</i> , Auct.	Bilshani (J.).	Do.	Do.	Yellowish white.	May— June.	Nov.— Dec.	Do.	Jhansi.	Sub-deciduous.
	<i>Citrus medica</i> , Linn	Nimbú, Nibúá.	Do.	Do.	White tinged with lilac.	April— May.	Do	Do.	Pilibhit, Gorakhpur and Oudh divisions.	Fruit long persisting.
	<i>Feronia elephantum</i> , Cor.	Kaith, Kaithá.	Medium-sized tree.	White.	White.	April— June.	Nov.— Jan.	Deciduous.	Pilibhit, Bahraich, Etawah, Jhansi, Kheri, Banda.	Often cultivated.

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RUTACEÆ —(concl'd.)	<i>Egle Marmelos, Correa.</i>	Bel, Bael.	Medium-sized tree.	Greenish white.	March—May.	April—May.	Deciduous.	All over the circle.	
SIMARUBACEÆ.	<i>Ailantus excelsa, Roxb.</i>	Aru (Et.), Ajan (J.).	Do.	Yellowish green.	Feb.	May.	Sub-deciduous.	Jhansi and Etawah divisions.	
	<i>Balanites Roxburghii. Planch.</i>  Syn. <i>Balanites ægyptica. Wall.</i>	Hingót (J.), Aingóá (J.; Ban) Ban mehendi (Gon.).	Small tree or shrub.	Greenish white.	April, May, and * Nov.	June.	Deciduous.	Jhansi, Etawah, Gonda, Banda.	* A second flush(?).
OCHNACEÆ.	<i>Ochna pumila. Buch-Ham.</i>	...	Shrub.	Yellow.	Feb.—June.	April—July.	..	Pilibhit, Gorakhpur and Oudh forest in grass lands.	Shoots sent up annually from a stout root stock.
BUSERACEÆ.	<i>Boswellia serrata, Roxb.</i>	Malaigir (Gon.), Sálár (J., Ban.) Salái (Ban., J.).	Medium-sized tree.	White.	Jan.—Mar.	May—June.	Deciduous.	Gonda, Jhansi and Banda	



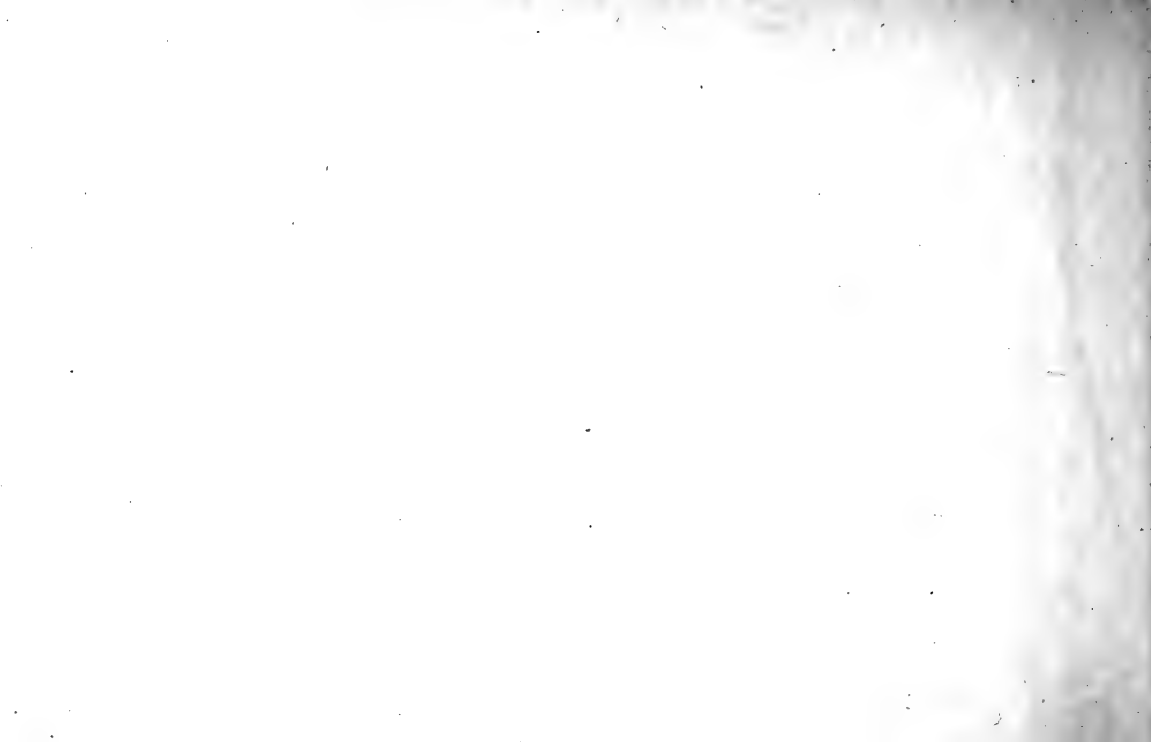




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1	2	3	4	5	6	7	8	9	10
BURSERACEÆ.— (concl'd.).	Garuga pinnata, <i>Roxb.</i>	Kákar (Pil., Bah.), Kharpat (Pil. K.), Kínkar (K., Bah., Gon., Gor. J.), Baniá.	Medium-sized tree.	Yellow.	March—May.	May—June.	Deciduous.	All over the circle.	
MELIACEÆ.	Melia Azadirachta, <i>Linn.</i> Syn. M. indica, <i>Br.</i>	Neem.	Do.	White.	March—May.	July—August.	Evergreen.	All over the circle.	Fruits long persisting on the tree.
	Melia Azedarach, <i>Linn.</i>	Bakain; Bakaíná.	Small to medium-sized tree.	White and lilac.	Do.	Cold season.	Deciduous.	Do.	Flowers also sometimes sporadically in February and June. Generally near cultivation not truly indigenous.
	Amoora Rohituka, <i>W. &amp; A.</i>	Sóhágá (Pil., Gon., Gor.).	Do.	Greenish white.	July—Aug.	May—June.	Evergreen.	Pilibhit, Gonda Bahraich and Gorakhpur.	
	Heynea trijuga, <i>Roxb.</i>	...	Medium-sized tree.	White.	Feb.—April.	July—August.	Do.	Pilibhit, Kheri, Gonda, Bahraich.	

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MELIACEÆ —(concl.).	<i>Soymida febrifuga</i> , <i>Juss.</i>	Rohinā (Ban.), Róhónā (Ban.)	Large tree.	Greenish-white.	April-May.	...	Sub-deciduous.	Banda.	
	<i>Cedrela Toona</i> , <i>Roeb.</i>	Toon.	Do.	White with orange centre.	March-April.	June-July.	Deciduous.	Pilibhit, Gorakhpur and all Oudh divisions.	
OLACACEÆ.	<i>Olaæ scandens</i> , <i>Roeb.</i>	Gámech (Bah.).	Scandent shrub.	White.	April—June.	Oct.—Dec.	Evergreen.	Gorakhpur, Bahraich.	
	<i>Olaæ nana</i> , <i>Wall.</i>	..	Undershrub with switchy shoots from a thick woody root-stock.	Do.	March—June.	March—June.	Do.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur.	
	<i>Cansjera Rheedii</i> , <i>Gmel.</i>	Káril (Gon., Bah.).	Climbing shrub.	Yellow.	Sep.—March.	May—July.	...	Gonda. Bahraich.	

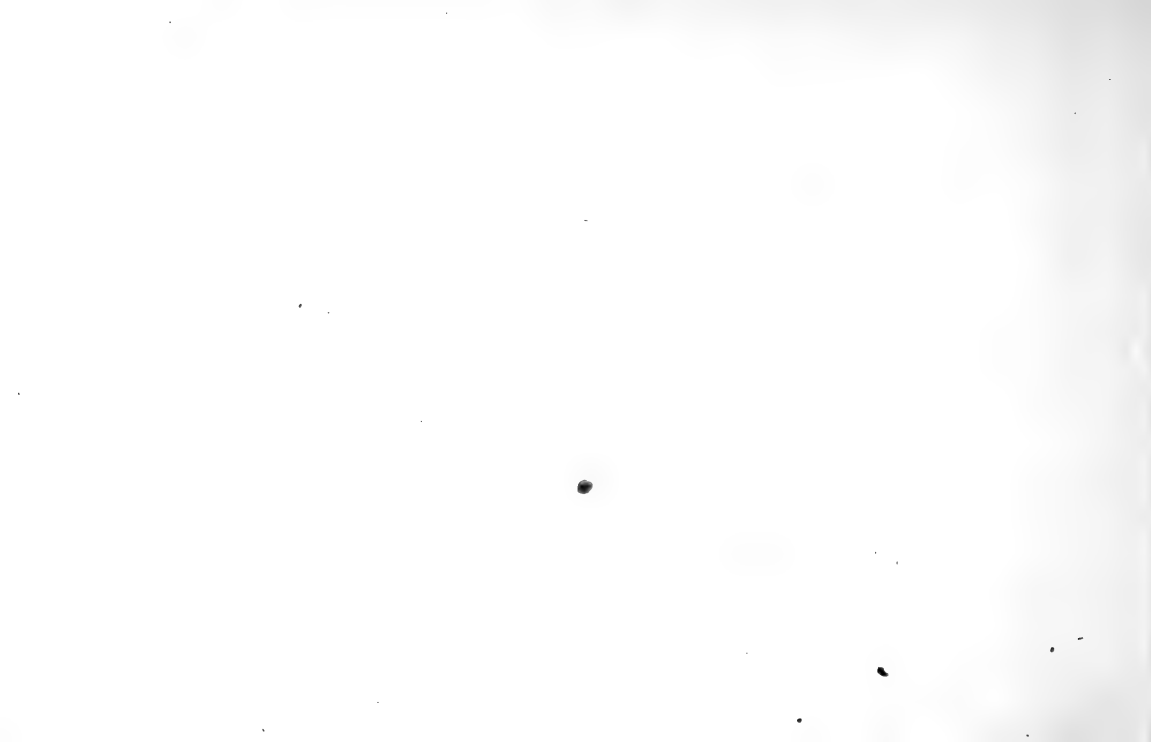




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CELASTRA- CÆÆ.	<i>Celastrus paniculata</i> , Willd.	Málkákni (Pil. K.; Bah.; Gor.; J.), Kánkun (Bah.; Gon.).	Climbing shrub.	Greenish.	March—May.	Oct.—Nov.	Subdeciduous.	All over the circle.	
	<i>Celastrus spinosa</i> , Royle. Syn. <i>Gymnospora Royleana</i> , Laws.	Káril (Gon.).	Shrub.	Whitish green.	Throughout the year.		Evergreen.	Gonda, Bahraich.	
	<i>Celastrus senegalensis</i> , Lamk Syn. <i>Gymnospora montana</i> , Benth.	Bhekal (J.).	Do.	Greenish white.	Greater part of the year.		Do.	Jhansi.	Flowers and fruits probably at various periods throughout the year.
	<i>Elæodendron glaucum</i> , Pers.	Mútmúr (Gor.) Chauráí (Bah.; Gon.), Jamrási (J.) Dhebri (Gor.)	Tree.	Brownish white.	Feb.—June.	Jan.—June the year after flowering.	Deciduous.	All over the circle.	Flowers also in November-December?

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CELASTRACEÆ— ( <i>encl.d.</i> ).	<i>Hippocratea arorea</i> , <i>Roeb.</i>	...	Woody climber.	Greenish white.	May-June.	April.	Evergreen.	Rahraich, Gonda.	
	<i>Salacia prinoides</i> , <i>DC.</i>	...	Do	White.	Jan. - June.	Cold season.	Do.	Gorakhpur (Banki).	Flowers probably during the greater portion of the year.
RHAMNACEÆ.	<i>Ventilago calyculata</i> , <i>Tulasne.</i>	Kariá Bel (Bah.; Gon.); Keóti (J.; Ban.), Kanjúti (Ban).	Do.	Greenish.	Nov.—March.	April—June.	Do.	All over the circle.	
	<i>Zizyphus Jujúba</i> , <i>Lamk.</i>	Beri; Ber; Bair.	Tree or shrub.	Green.	April—October.	Cold season.	Do.	Ditto and Etawah.	
	<i>Zizyphus rotundifolia</i> , <i>Lamk.</i>	Jhar ber.	Shrub.	Do.	March - June.†	Do.	...	Gonda, Jhansi, Banda, Etawah.	* Duthie.
	<i>Zizyphus (Enoplia)</i> , <i>Mill.</i>	Makóh, Mahóia.	Climbing shrub.	Do.	April-May.	Nov.-Dec.	Evergreen.	All over the circle.	Sometimes sub-deciduous.
	<i>Zizyphus rugosa</i> , <i>Lamk.</i>	Banberá (Pil.) Ainwá (K.) Daurái (Gor., Gon., Bah.,) Shagerá (J.).	Small tree often straggling.	Do.	Feb.—May.	May—July.	Do.	Do.	



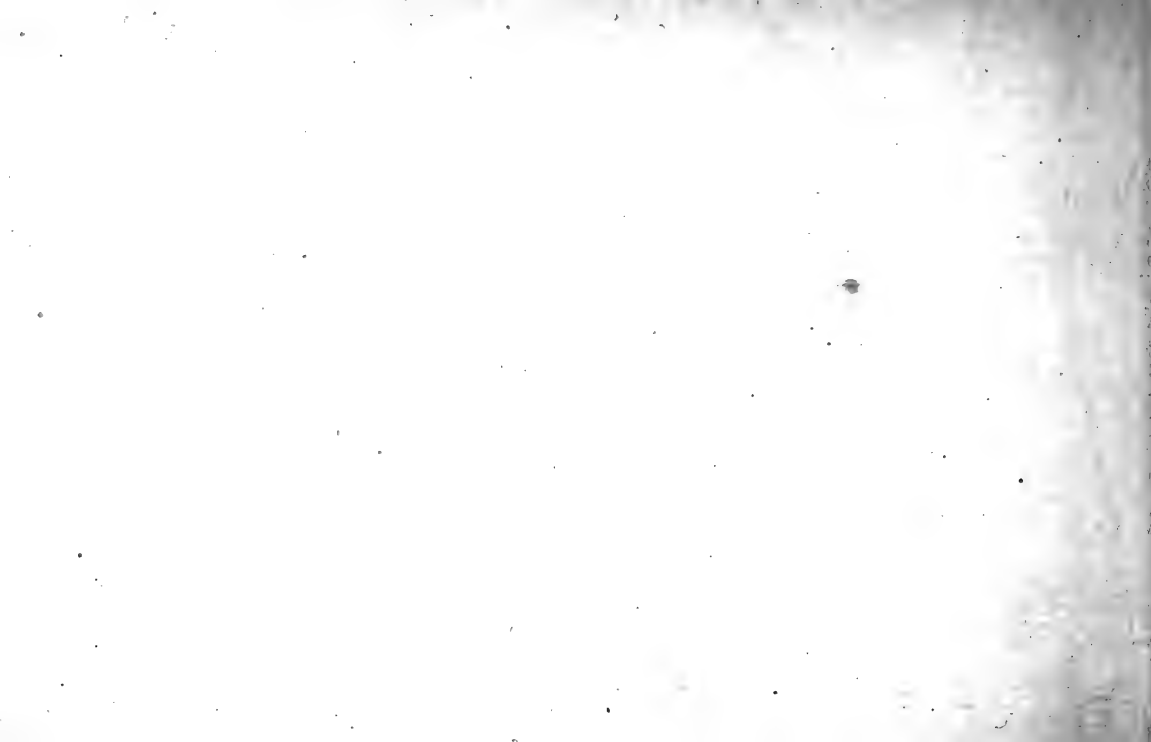




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RHAMNACEÆ— ( <i>concl.</i> ).	<i>Zizyphus Xylopyrus</i> , Willd.	Banber (P., K.) Chitainá (Bah., Gor., Gon.), Chitáhá (Gor.) Ghónt (J.), Dhótbody (Ban).	Shrub or small tree.	Green.	April—July.	Cold season after Jan.	Deciduous	All over the circle.	
	<i>Gouania leptostachya</i> , DC.	...	Climbing or rambling shrub.	White.	Aug.—Sept.	Jan.—Feb.	Subdeciduous.	Pilibhit, Kheri, Bahraich.	Fruits persist long after maturity. Climbs by branch tendrils.
	<i>Helinus lanceolatus</i> , Br.	...	Slender climbing shrub.	Yellowish green.	Jan.—March.	March—April.	Evergreen.	Bahraich.	
VITACEÆ.	<i>Vitis latifolia</i> , Roxb.	Ekangibel (K.) Pánibel, Amrólá, (Ban)	Soft-wooded climber.	Green.	May—July.	Aug.—Nov.	Deciduous.	Throughout the circle.	
	<i>Vitis lanceolaria</i> , Wal.	Desi Góhar (Gor.)	Do.	Do.	Feb.—March.	April.	Evergreen.	Pilibhit, Bahraich, Gorakhpur.	Possibly also in other Oudh divisions in moist situations

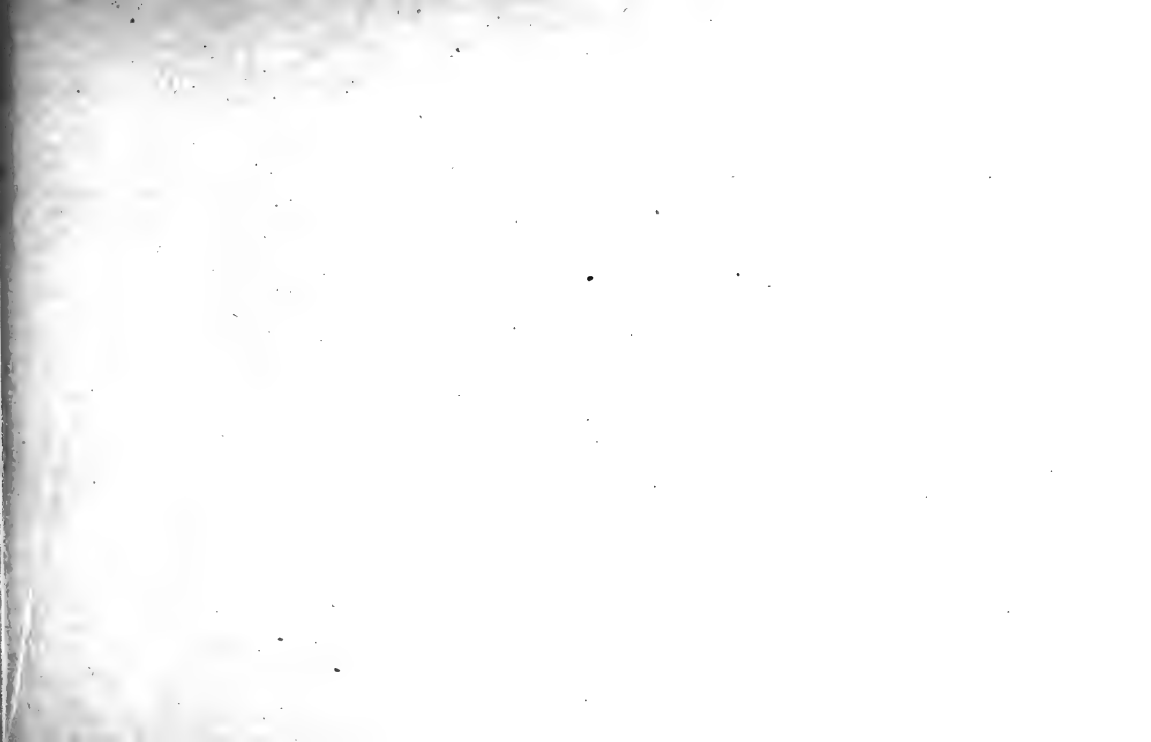
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VITACEÆ— (cont'd).	<i>Vitis rosea</i> , <i>Royle?</i>	...	Woody climber.	...	...	...	...	Pilibhit, Banda	More material is necessary for satisfactory identification.
	<i>Vitis repanda</i> , <i>W. &amp; A.</i>	Gúrówári (Bah.) Gúrbanwariá (Gon.)	Do.	Greenish white.	April— June.	Rainy season.	Deciduous.	Pilibhit, Bahraich, Gonda, Gorakhpur, Banda, Jhansi.	
	<i>Vitis trifolia</i> , <i>Linn.</i> Syn. <i>V. carnosa</i> , <i>Wall.</i>	Amarti bour (Ban., Gor.)	Slender climber.	Do	May— July.	Nov.— Dec.	Do.	Throughout the the circle.	
	<i>Vitis auriculata</i> , <i>Roxb.</i>	Amalbel.	Succulent climber.	Green.	Rainy season.	Oct.— Nov.	...	Jhansi, Banda.	
	<i>Vitis divaricata</i> , <i>Willd.?</i>	...	Slender woody climber.	...	...	...	...	+ Gonda on hill sides. Bahraich.†	*More material is required for satisfactory determination. †Mr. W. J. Lambert





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VITACEÆ— (concl'd.).	<i>Leea alata</i> , <i>Edgew.</i>	...	Stiff shrub.	Brick red.	April— Aug.	Sep.— Oct.	Deciduous.	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur.	
	<i>Leea macrophylla</i> , <i>Roze</i> :	Háthi káná, (Pil.) Háthi-kánuá (Gor., Gon.).	Herbaceous from a woody root-stock.	Green.	May— July.	Rainy season	...	Pilibhit, Gonda, Gorakhpur and probably Kheri and Bahraich.	
	<i>Leea aspera</i> , <i>Edgew.</i>	Gídar phársá, (Pil.) Kumalá (Gon.).	Shrubby but dies back annually.	Greenish.	March— June.	Oct.— Dec.	...	All over the circle.	
	<i>Leea sambucina</i> , <i>Willd.</i>		Woody shrub	Greenish white.	Rains and also Jan., Feb.	Sept.— Oct.	...	Gonda Bahraich, Banda.	
SAPINDACEÆ	<i>Cardiospermum Halicacabum</i> , <i>Linn.</i>	Káli gúghchi.	Herbaceous.	White	June—* Oct.	Oct.—* Jan.		All over the circle in waste lands, hedges, etc.	*Flowers and fruits occasionally later also.

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SAPINDACEÆ— ( <i>concl.</i> ).	<i>Erioglossum edule</i> , <i>Bijdr.</i>		Small tree.	Greenish white.	Jan. — June(?).	...	...	Pilibhit, Kheri, Bahraich.	A second flush of flowers seems to occur during the rains.
	<i>Schleichera trijuga</i> , <i>Willd.</i>	Kusam.	Large tree.	Green.	March-April.	Oct.—Nov.	Deciduous.	All over the circle.	
	<i>Sapindus laurifolius</i> , <i>Vahl.</i>	Rithá.	Do.	Greenish white.	Dec.—Jan.	Feb.—April.	Evergreen.	Jhansi and Bahraich.	As escape from cultivation.
	<i>Sapindus Danura</i> , <i>Voigt.</i>	Do.	Small tree or shrub.	Greenish yellow.		March.	Do.	Kheri.	
	<i>Nephelium longana</i> , <i>Camb.</i>	...	Middle-sized tree.	Green.		Hot season.	Do.	Do.	Probably an escape from cultivation.
	<i>Dodonaea viscosa</i> , <i>Linn.</i>	...	Shrub.	Do.	Jan.—Feb.	Feb.—June.	Do.	...	Cultivated as a hedge plant.

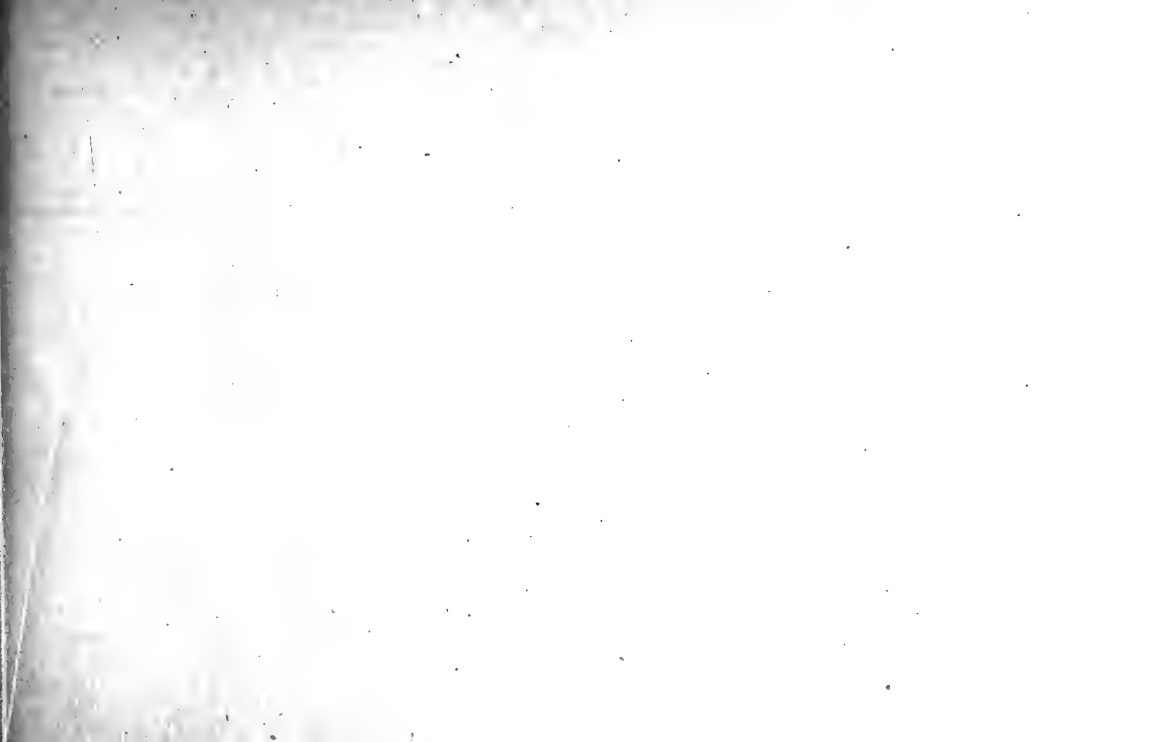






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ANACARDIACEÆ.	<i>Buchanania latifolia, Roxb.</i>	Piál, Piarú, Chironji, Piará (K. : Gon.), Piyár, Achár (Ban.).	Small tree.	Greenish white.	Jan.—April.	May—June.	Sub-deciduous.	All over the circle.	
	<i>Odina Wodier, Roxb.</i>	Jigná (K. : Bah. Gon. : Gor. : Pil), Jhigná ; Jhingan ; Gánj (J.)	Medium-sized tree.	Green.	Feb.—April.	Do.	Deciduous.	Do.	
	<i>Semecarpus Anacardium, Linn.</i>	Bhiláwá, Bhelá.	Do.	Yellowish green.	Feb.—June.	Dec.—Feb.	Do.	All over the circle.	
	<i>Mangifera indica, Linn.</i>	Am, Amiyá, Ambi.	Large tree.	Yellowish white.	March—April.	May—July.	Evergreen.	All over the circle as an escape from cultivation.	

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ANACARDIACEÆ— ( <i>conold.</i> ).	<i>Spondias mangifera</i> , <i>Linn.</i>	Ambára, Amára	Medium-sized tree.	White.	Feb.—April.	Cold season.	Deciduous.	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur, Banda.	Late flowers appear till June.
MORINGACEÆ.	<i>Moringa pterygosperma</i> , <i>Gartn.</i>	Sainjáná.	Small-medium-sized tree.	Pinkish white with yellow towards the base.	Dec.—April.	April—June.	Do.	All over the circle.	
LEGUMINOSÆ. SUB-ORDER PAPILIONACEÆ.	<i>Crotolaria alata</i> , <i>Buch-Ham.</i>	Sani (Pil.; Gon.), Ban sani (K; Gon.). Jangli sani (Bah.).	Under-shrub.	Pale-yellow.	April—Sept.	Sep.—Oct.	...	Pilibhit. Gonda, Kheri; Bahraich; Gorakhpur.	Base somewhat woody
	<i>Crotolaria albidia</i> , <i>Heyne.</i>	...	Under-shrub or perennial herb.	Yellow.	April.	Jan..	..	Pilibhit, Kheri, Bahraich, Jhansi.	





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LEGUMINOSÆ— (contd.)	<i>Crotolaria retusa</i> , Linn.	...	Under-shrub.	Yellow	Cold season.	...	...	Gonda Bahraich.	Sometimes cultivated.
	<i>Crotolaria sericea</i> , Retz.	Ban sanái ; Ban Sanná Chūnmūná (Bah.)	Succulent under-shrub.	Do.	Sept. to April.	...	...	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur, Banda, Jhansi.	
	<i>Crotolaria tetragona</i> Roxb.	...	Shrub.	Lemon yellow.	Sept.—Nov.	March—April.	...	Bahraich, Gonda.	
	<i>Crotolaria juncea</i> , Linn.	San.	Do.	Yellow.	Rainy season.	...	...	...	Cultivated for fibre.
	<i>Atylosia crassa</i> , Frain.	Do.	Do.	Do.	Cold season.	...	...	Pilibhit, Bahraich, Gonda, Gorakhpur.	Probably throughout the circle.

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LEGUM- INOSÆ— (contd.).	<i>Atylosia scarabaeoides</i> , <i>Benth.</i>	...	Slender twining herb.	Yellow.	August— Dec.	Dec.— May.	...	Gonda, Bah- raich Etawah.	
	<i>Cylista scariosa</i> , <i>Roeb.</i>	...	Woody climber.	...	Greater portion of the year.	...	Ever- green(?).	Gonda, Bah- raich.	
	<i>Flemingia strobilifera</i> , <i>R. Br.</i>	Pithawan (Gor.) Südarsanpatti; (Gor.)	Shrub.	Yel- lowish white.	Aug.— Nov.	Nov.— June.	Decidu- ous.	All sal forests of the circle.	
	<i>Flemingia Chappar</i> , <i>Horn</i>	Kasrant.	Do.	White.	June.— Oct.	Dec.— April.	Do.	Sal forests of the circle.	Gregarious.
	<i>Flemingia paniculata</i> , <i>Wall.</i>	...	Do.	Pink.	Feb.— April.	March— May.	Sub-deci- duous.	Kheri; Go- r a k h p u r ; Jhansi, Banda.	Not very common, but probably oc- curs all over the circle.
	<i>Flemingia stricta</i> , <i>Roeb.</i>	...	Do.	Do.	Jan.— March.	Rainy sea- son.	...	Gonda, but also probably else- where in sha- dy localities.	Shoots die back annually to woody portions.



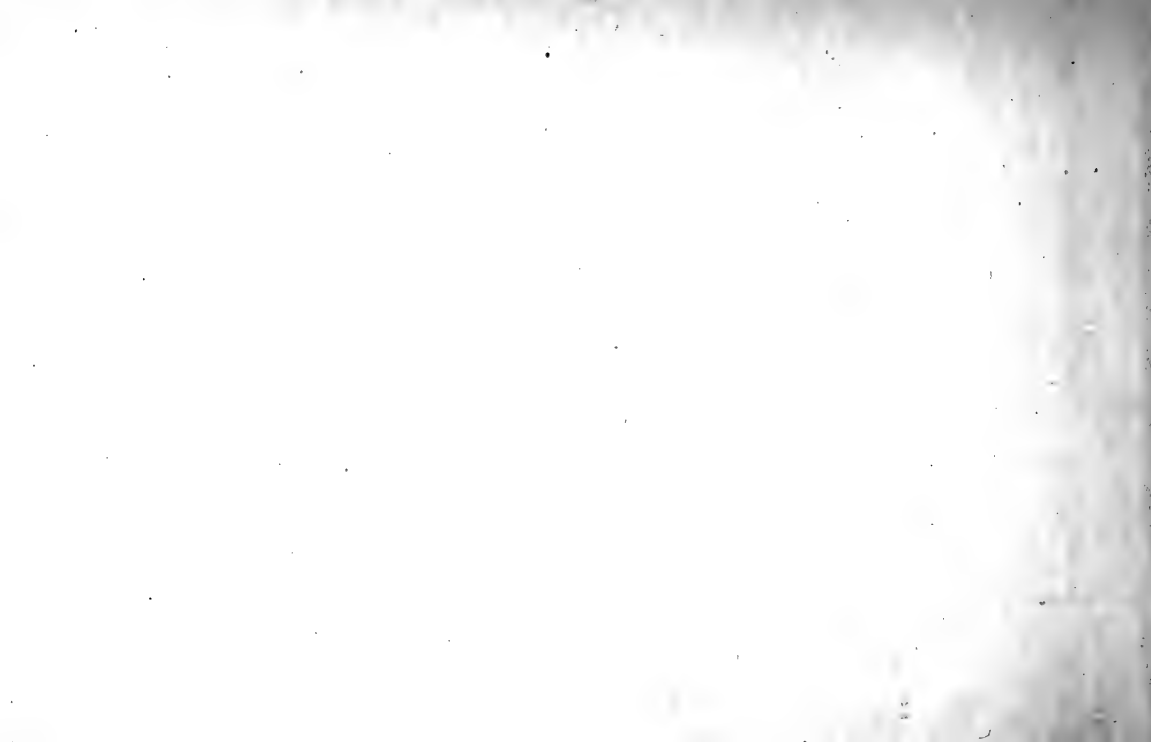




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LEGUMINOSÆ— (contd.).	<i>Flemingia congesta</i> , Roxb.	...	Shrub.	Pink.	March— Sep.	Cold season.	Sub-deciduous.	All sal forests of the circle.	
	<i>Flemingia prostrata</i> , Roxb.	...	Under-shrub.	Do.	Do.	Do.	...	All over the circle.	A dwarfed form of <i>F. congesta</i> .(?)
	<i>Flemingia semialta</i> , Roxb.	Chaurangá (Gor.)	Shrub.	Do.	July— Aug.	Nov— Dec.	...	Sal forests of the circle and also Banda.	
	<i>Flemingia procumbens</i> , Roxb.	...	Annual from woody root stock.	Do.	March— April.	April.	...	Grass lands in Oudh and Gorakhpur - also probably Pilibhit.	Trailing in habit.
	<i>Flemingia nana</i> , Roxb.	...	Annual from a woody root stock.	Greenish pink.	Do.	...	Annual	Kheri; Banda and Jhansi, probably also in all sal forests of the circle.	Dwarfed form of <i>F. congesta</i> ?
	<i>Flemingia lineata</i> , Roxb.	...	Under-shrub.	...	...	Feb.— March.	...	Gorakhpur.	
	<i>Rhynchosia sericea</i> , Spon.	...	Slender woody twiner.	Purple.	June— Oct.	Sept.— Nov.	...	Gonda, Bahraich.	

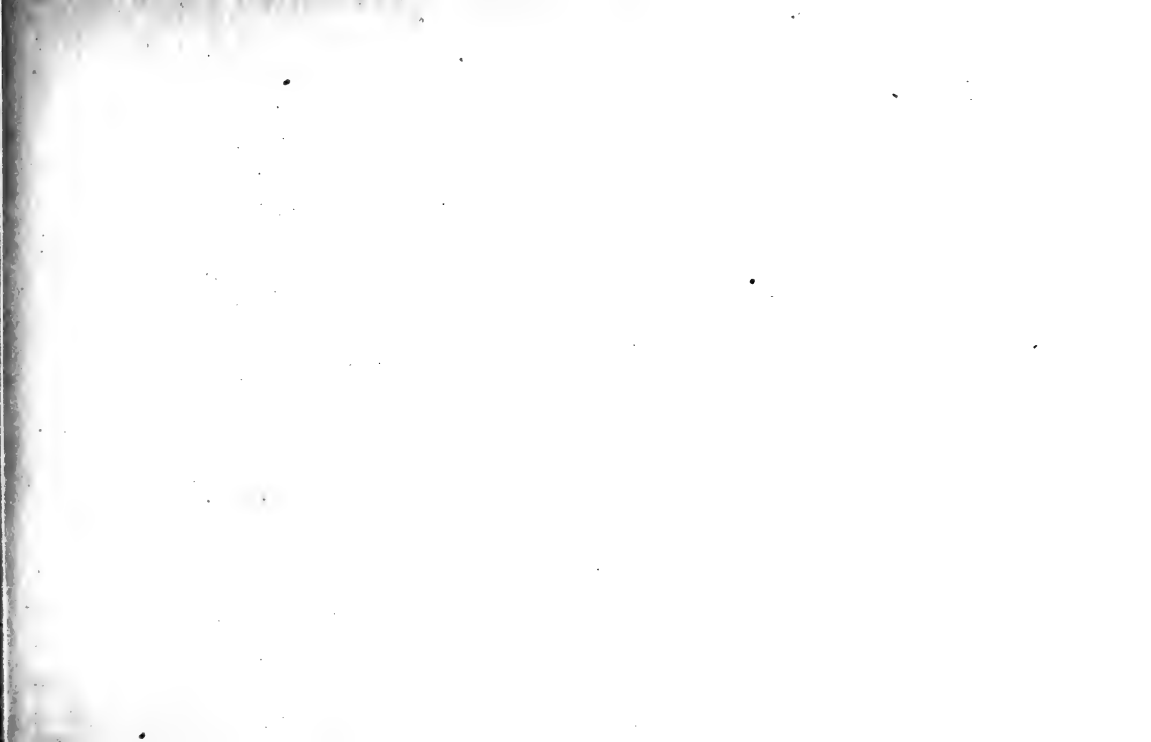
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LEGUMINOSÆ— (contd.).	<i>Rhynchosia bracteata</i> , <i>Benth.</i>	...	Slender woody twiner.	Yellow?	Jan.— March.	...	...	Gorakhpur (Tilkonia); Bahraich.	
	<i>Teramnus labialis</i> , <i>Spreng.</i>	...	Slender climber.	Reddish.	...	Cold season.	...	Jhansi (Lalitpur).	
	<i>Pueraria tuberosa</i> , <i>DC.</i>	Biláí kand, Bilará kand (Gon; K.), Bilará (J).	Woody climber.	Blue.	Jan.— April.	July— Nov.	Deciduous.	All over the area.	Flowers occasionally in December and also in May.
	<i>Pueraria phaseoloides</i> , <i>Benth.</i>	...	Twiner—scarcely woody.	Blue and white.	Sept.— Oct.	Nov.— Dec.	Do.	Kheri (Kishanpur), Bahraich.	
	<i>Canavalia ensiformis</i> <i>DC.</i>	...	Extensive sub-herbaceous climber.	White or lilac.	Rainy season.	..	...	Gorakhpur.	Sometimes cultivated.
	<i>Mucuna pruriens</i> , <i>DC.</i>	Kaunch.	Annual	Deep purple.	Do. ...	Nov.— Jan.	...	Bahraich; Jhansi. Banda probably all over the circle	Found in open scrub forests and hedges.

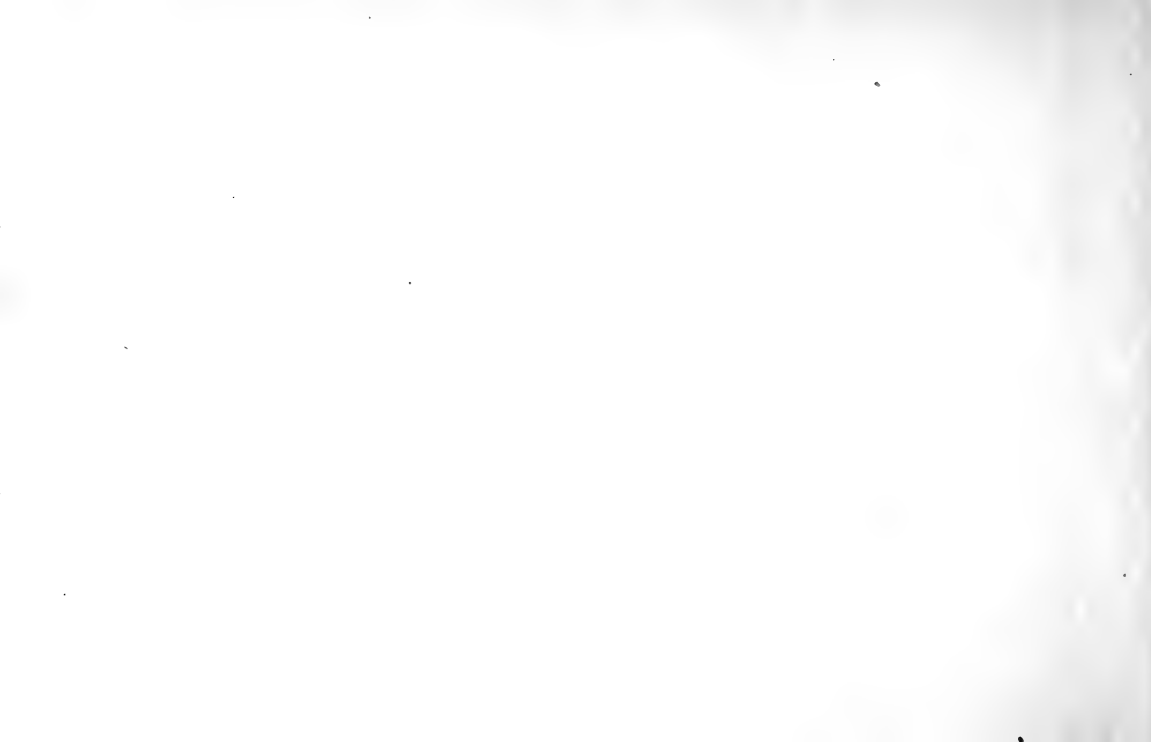




Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Erythrina resupinata</i> , <i>Roxb.</i>	...	Annual and herbaceous from a perennial woody root-stock.	Coral-red.	Feb.—April.	April—May.	...	Grass lands in Bilahit, Oudh forests and Gorakhpur.	Leaves appear after maturity of the fruit.
	<i>Erythrina suberosa</i> , <i>Roxb.</i>	Pharai (Gor.) Garausá (J).	Medium-sized tree.	Do.	March—April.	Rainy season.	Deciduous.	All over the circle in scrub forests.	
	<i>Erythrina indica</i> , <i>Lamk.</i>	...	Do.	Do.	Do.	Do.	Do.	...	Cultivated; sometimes found as an escape.
	<i>Butea frondosa</i> , <i>Roxb.</i>	Dhák, Parás Palás; Tesú Chcolá (J)	Moderate-sized tree.	Orange red.	Jan.—April.	April—June.	Do.	Common all over the circle.	
	<i>Butea superba</i> , <i>Roxb.</i>	...	Twining shrub.	Do.	March.	Hot season.	Do.	Kheri (Bhira) (Duthie's collection.)	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Spatholobus Roxburghii</i> , <i>Benth.</i>	Maurain (Gor.), Maudi bel (P); Mòdh buár (K). Patai bel (Bah. Gon.); Mendrá (Gor.), Manóh (Ban.).	Stout woody climber.	Dirty white.	Sept.— Feb.	Feb.— June.	Decidu- ous.	All over the circle.	Twines clockwise; flowers occasion- ally up to April.
	<i>Sesbania aegyptica</i> , <i>Pers.</i>	Jait.	Small tree or tall shrub.	Yellow- orange.	Nov..	Jan.	...	...	Generally cultiva- ted but some- times runs wild.
	<i>Sesbania aculeata</i> , <i>Pers.</i>	Jayanti.	Shrub- like annual.	Yellow	Raiey season.	...	...	In rice fields and water-log- ged waste-lands all over the circle.	
	<i>Sesbania grandiflora</i> , <i>Pers.</i>	Agusth.	Small tree.	White pinkish white.	Dec.— April.	...	...	Cultivated within the area.	
	<i>Tephrosia purpurea</i> , <i>Pers.</i>	Sar phónk.	Under- shrub.	Grey- ish- purple.	April— July	May— July.	Ever- green.	Etawah and all over the circle in wast- lands.	Flowers and fruits also in the cold season.

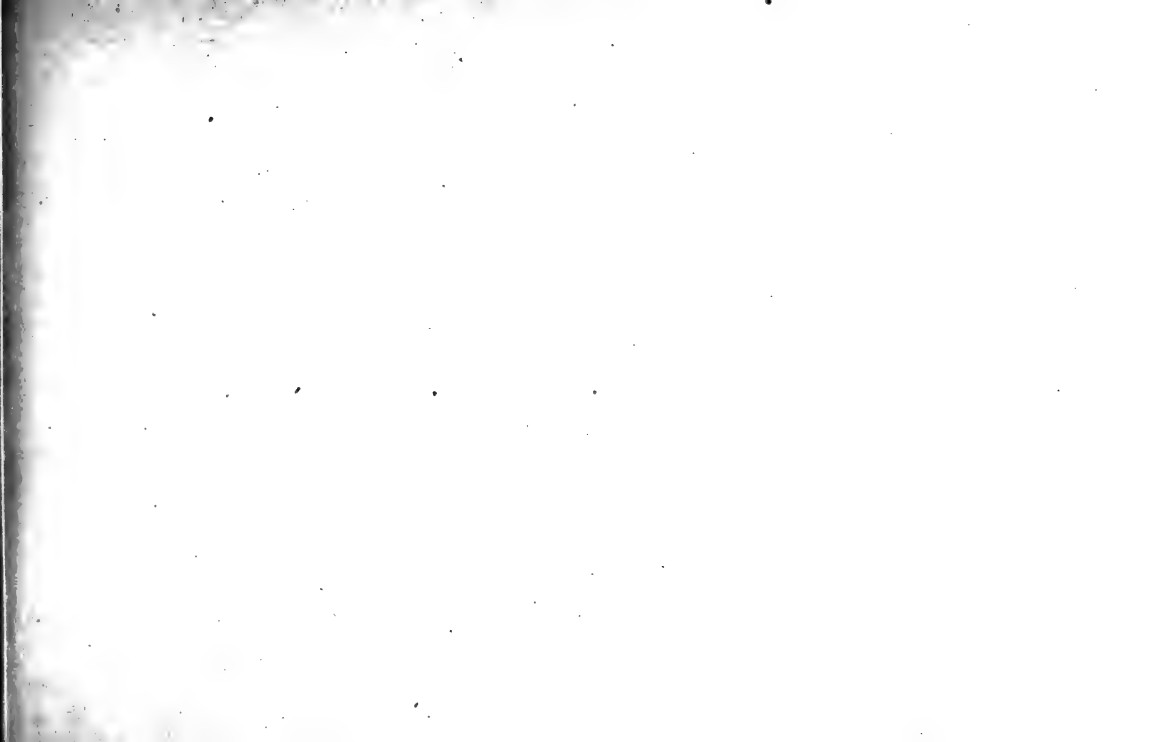


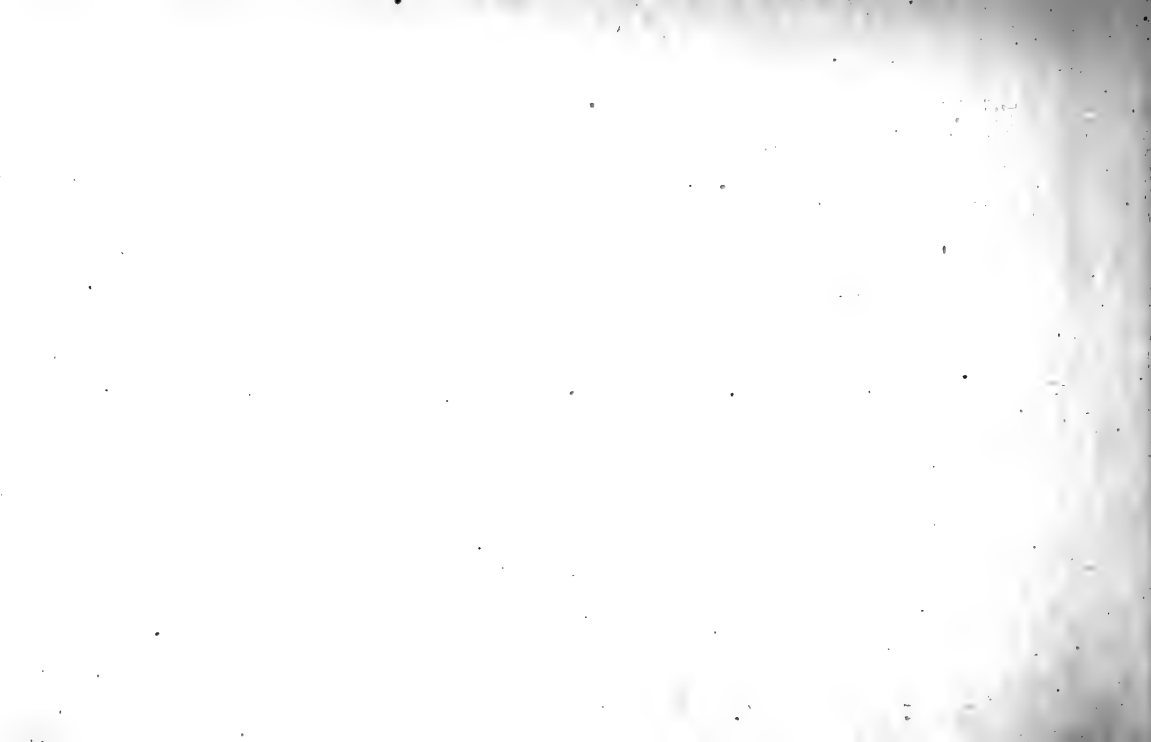




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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Tephrosia villosa</i> , Pers.	...	Shrub.	Grey purple.	Oct.	Oct.	...	Jhansi, Banda.	
	<i>Milletia ari culata</i> , Baker.	Gurári (Gor., Bah.), Gauj., Gaular (J., Banda).	Woody climber.	White.	April—June.	Cold season.	Deciduous.	All over the circle.	Often erect and shrubby.
	<i>Indigofera linifolia</i> , Retz.	Tórki ...	Perennial herb.	White to red.	Rainy season.	...	...	Grass lands all over the area.	Leaves simple. Seeds used as famine food.
	<i>Indigofera trita</i> , Linn.	...	Under-shrub.	Red.	...	...	...	Banda, Jhansi	
	<i>Indigofera argentea</i> , Buch-Ham.	...	Shrub.	Do.	March-April.	Oct.-Nov.	...	Banda.	
	<i>Indigofera Hamiltonii</i> , Griseb.	...	Herbaceous from a woody root-stock.	Purple	...	...	Dying down annually.	Kheri, Gorakhpur.	Grass lands and other burnt areas.

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Indigofera hirsuta</i> , <i>Linn.</i>	...	Under-shrub.	Reddish purple.	Throughout the year.	...	...	All over the circle in wastelands.	
	<i>Indigofera tinctoria</i> , <i>Linn.</i>	Nil.	Shrub	Pink and greenish yellow.	Jan. - April.	Oct.—? May.	...	Etawah, Gonda, Kheri, Banda.	
	<i>Indigofera pulchella</i> , <i>Roxb.</i>	Chotá basantá, (Pilibhit). Basantá (K., Gor., Pil., J.) Ban. nil. (K., Bah.)	Do.	Pink.	Nov.—May.	Feb.—Sep.	Sub-deciduous.	All over the circle.	Flowers mainly in the cold season.
	<i>Abrus precatorius</i> , <i>Linn.</i>	Bati, Gúghi, Gónghi.	Slender woody twiner.	Pinkish white or pink.	Rainy season.	Cold season.	Deciduous.	Do.	Fruits persist for a long time after maturity.
	<i>Dalbergia latifolia</i> , <i>Roxb.</i>	Sitsál, Siásá (J., Ban.).	Large tree.	Dirty white.	April	Jan.-Feb.	Do.	Gonda, Bahraich, Banda, Jhansi.	





Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— ( <i>con d.</i> )	<i>Dalbergia Sissoo</i> , Roxb.	Shisham, Sissoo.	Large tree.	Yellowish white.	March— May.	Nov.— May.	Deciduous.	Throughout the circle.	Fruits long persistent.
	<i>Dalbergia lanceolaria</i> , Linn. f.	...	Medium-sized to large tree.	Light pink.	April— June.	Sep.— Oct.	Do.	Kheri, Bahraich, Gonda, Gorakhpur, Banda, Jhansi, probably all over the circle.	
	<i>Dalbergia paniculata</i> , Roxb.	Kinsia (Ban.) ; Dhobein (J.)	Do.	Purple to bluish white.	April— May.	Jan.— March.	Do.	Gonda, Bahraich, Jhansi, Banda.	
	<i>Dalbergia volubilis</i> , Roxb.	Ban kharrá (K.)	Scandent shrub.	Pale blue.	Jan.— April.	May— June.	Evergreen.	All over the circle.	
	<i>Pterocarpus Marsupium</i> , Roxb.	Bijá Sál, Bijá : Bijá Sár.	Large tree.	Yellow.	May— Oct.	Cold season	Deciduous.	Do.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Pterocarpus santalinus</i> , <i>Linn. f.</i>	Rakt chandan, Lál chandan.	Small tree.	...	July.	...	Deciduous.	Banda (planted).	The red sanders tree.
	<i>Pongamia glabra</i> , <i>Vent.</i>	Kanj, Kanjá	Middle-sized tree.	Pinkish white.	March— May.	Jan.— April.	Sub-deciduous.	All over the circle.	Often planted.
	<i>Derris scandens</i> , <i>Benth.</i>	...	Woody climber.	Pale pink.	April— May.	July.	Evergreen.	Gonda, Bahraich.	
	<i>Æschynomene indica</i> , <i>Linn.</i>	...	Shrub-like annual.	Yellow	Rainy season.	...	...	Kheri (Bhira).	
	<i>Lespedeza stenocarpa</i> , <i>Maxim.</i>	...	Erect shrub.	Pink	Most part of the year.	...	...	Gonda.	
	<i>Urvaria picta</i> , <i>Desv.</i>	...	Under-shrub.	Do.	June— Oct.	Cold season, principally Nov.	..	All over the circle.	







Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	12
LEGUMINOSÆ.— (contd.).	<i>Uraria alopecuroides</i> , <i>Wight.</i>	...	Under shrub.	Pink.	April— Sep.	Cold season.	...	Pilibhit, Gonda, Gorakhpur, Bahraich.	* Also flowers in the rainy season.
	<i>Uraria neglecta</i> , <i>Prain.</i>	...	Do.	Do.	Rainy season.	Nov.— March.	...	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur.	
	<i>Uraria prunellifolia</i> , <i>R. Grah.</i>	...	Dwarfed under shrub.	Bluish white.	*April— May.	Sep.— Nov.	Dies back annually.	Pilibhit, Bahraich; probably all over the circle.	
	<i>Alysicarpus vaginalis</i> , <i>DC.</i>	...	Under shrub.	Pinkish yellow.	Rainy season.	Rainy season.	...	All over the circle.	
	<i>Alysicarpus longifolius</i> , <i>W. &amp; A.</i>	...	Shrub.	...	Do.	Do.	...	Kheri, Bahraich, probably in all sal forests of the circle.	
	<i>Alhagi camelorum</i> , <i>Fisch.</i>	Jáwasá.	Do.	Yellow.	Mar.— April.	Do.	...	Etawah.	
	<i>Ougenia dalbergioides</i> , <i>Benth.</i>	Chájan (P., K.) Pánan. Sándan	Small to medium-sized tree.	Lilac.	Feb.— April.	May— June.	Deciduous.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remark
1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Desmodium cephalotes</i> , <i>Wall.</i>	...	Shrub.	Yellow-red.	July— Oct.	Dec.— Jan.	...	All over the circle.	Fruits persist long after maturity.
	<i>Desmodium pulchellum</i> , <i>Benth.</i>	Gheópatti (Bah.)	Do.	White or yellowish.	March— Oct.	Cold season.	Deciduous.	Throughout the circle, usually in sal forests.	
	<i>Desmodium laxiflorum</i> , <i>DC.</i>	Do.	Under-shrub.	White and blue.	Rainy season.	Nov.— Dec.	Dies back annually	Sal forests of the circle.	
	<i>Desmodium polycarpum</i> , <i>DC.</i>	Kabrá.	Do.	Purple.	June— Oct.	Do.	Do.	All over the circle.	Pods sticking together and persisting long after ripening.
	<i>Desmodium triquetrum</i> , <i>DC.</i>	...	Do.	Do.	June— Nov.	Nov.— March.	...	In all sal forests of the circle.	Petiole-winged.
	<i>Desmodium gangeticum</i> , <i>DC.</i>	...	Do.	Purplish white.	March— Oct.	June— Jan.	...	All over the circle	





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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ.-- (contd.).	<i>Desmodium latifolium</i> , DC.	...	Under-shrub.	Purple.	Rainy season.	Nov.—Feb.	...	Throughout the circle—usually in sal forests.	Flowers also in March, April.
	<i>Desmodium brachystachyum</i> . R. Grah.	...	Under-shrub or herb.	Deep-purple.	Sept.—Oct.	Dec.	...	Pilibhit Bahraich, probably also in Gorakhpur, Gonda, and Kheri.	
	<i>Desmodium gyrans</i> , DC.	...	Under-shrub.	Pink.	June—Nov.	Cold season.	...	All over the circle.	The Telegraph plant.
	<i>Desmodium gyroides</i> , DC.	...	Do.	Purple.	Rainy season.	Nov.—March	...	Gorakhpur, Gonda, Pilibhit, and Bahraich.	Flowers also in April.
SUB-ORDER CÆSALPINIÆ.	<i>Cassia Fistula</i> , Linn.	Amaltás ; Wörgá, Kirwar (J).	Medium-sized tree.	Bright ye low.	April—Aug.	Jan.—Feb.	Deciduous.	All over the circle.	Pods long persisting on the tree.
	<i>Cassia glauca</i> , Lamk. Var. <i>suffruticosa</i> , Koen.	...	Small tree or shrub.	Do.	April—Dec.	Cold season	...	Gorakhpur (Duthie's collection).	Often cultivated.

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Cassia occidentalis</i> , Linn.	Kasoundi (P ; K), Chakund Gor. J), Kasója (K, Bah.), Bará páwár Et.), páwár (Ban J.)	Tall woody annual.	Yellow.	June—Nov.	Nov.—Feb.	...	All over the circle and Etawah.	Flowers also in April-May.
	<i>Cassia sophora</i> Linn.	Chakundá (J)	Annual under-shrub.	Do.	Rainy season.	...	...	Jhansi.	
	<i>Cassia Tora</i> , Linn. Syn <i>Cassia obtusifolia</i> , Linn.	Chakúnda (P), Kasanji, Chakúnda, Páwár.	Do.	Do.	Do.	Nov.-Dec.	...	All over the circle in waste-lands, also in Etawah.	Pods persist for a long time after ripening. Early flowers may be found in May.
	<i>Cassia auriculata</i> , Linn.	...	Shrub.	Orange yellow.	Cold season.	Feb.-March.	...	Jhansi (Rora valley) Etawah.	Flowers also in June.
	<i>Cassia Absus</i> , Linn.	...	Herb.	Yellow	Rainy season.	Oct.-Nov.	Annual.	In all sal forests of the circle.	



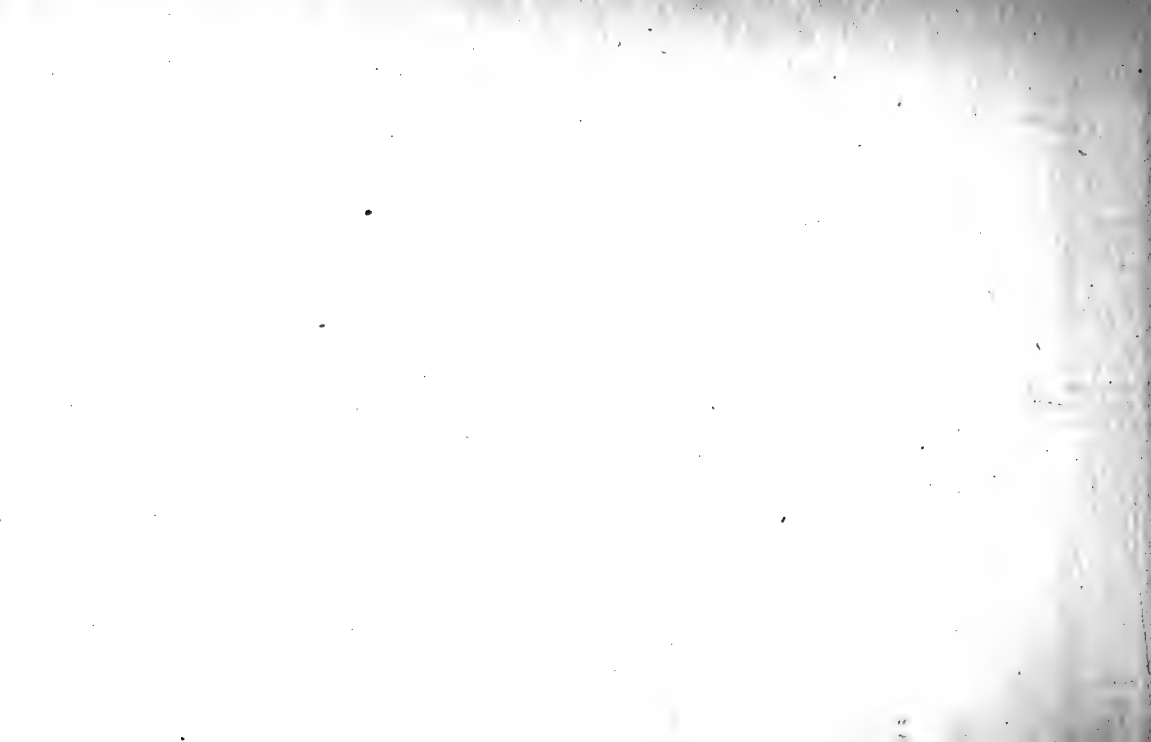




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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Cassia pumila</i> , <i>Lamk.</i>	...	Branchy under-shrub.	Yellow.	Rainy season.	Cold season.	..	Jhansi.	
	<i>Bauhinia tomentosa</i> , <i>Lin.</i>	Champó ; Maul.	Small tree.	Do.	Do.	Do.	Deciduous.	Jhansi, Banda.	
	<i>Bauhinia racemosa</i> , <i>Lamk.</i>	Maháli (P, K.; Gor.), Makúna (Ban.; Gor.).	Do.	White	March— June.	Do.	Do.	All over the circle.	
	<i>Bauhinia malabarica</i> , <i>Roxb.</i>	Amlósa, Sihúl (Ban., Gor.).	Small to medium-sized tree.	Do.	Aug.— Dec.	Jan.— May.	Evergreen.*	Do.	*According to some authorities deciduous.
	<i>Bauhinia retusa</i> , <i>Roxb.</i>	...	Medium-sized tree.	Yellow with red spots.	Sept.— Nov.	Feb.— April.	Deciduous.	Gonda, Bahraich.	
	<i>Bauhinia Vahlii</i> , <i>W. &amp; A.</i>	Mauráin, Pater (Gor.).	Large woody climber.	White	April— June.	Cold season.	Evergreen.	All over the circle.	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSAE— (contd.)-	<i>Bauhinia purpurea</i> , <i>Linn.</i>	Kóllar.	Medium-sized tree.	Deep rose-pink.	Sept.—Dec.	Jan.—March.	Deciduous.	All over the circle.	
	<i>Bauhinia variegata</i> , <i>Linn.</i>	Kachnár.	Medium-sized or small tree.	White and pink.	Jan.—April.	May.	Sub-deciduous.	Do.	Often cultivated.
	<i>Tamarindus indica</i> , <i>Linn.</i>	Imli.	Large tree.	Light yellow striped with red.	April—June.	Dec.—April.	Evergreen	All over the circle; generally as an escape from cultivation.	Flowers also in November.
	<i>Cæsalpinia Bonducella</i> , <i>Flem.</i>	Karáníjá (K., Gon., Gor.), Kanjübel, Kanjá (Gon.), Gattan (J.).	Scandent shrub.	Yellow	Rainy season.	Dec.—March.	Do.	All over the circle, in waste-lands.	The Fever nut.
	<i>Cæsalpinia sepiara</i> , <i>Roxb.</i>	Ail bel.	Do.	Bright yellow.	Dec.—May.	May—Oct.	Do	Pilibhit, Gonda, Bahraich, Kheri, Gorakhpur.	

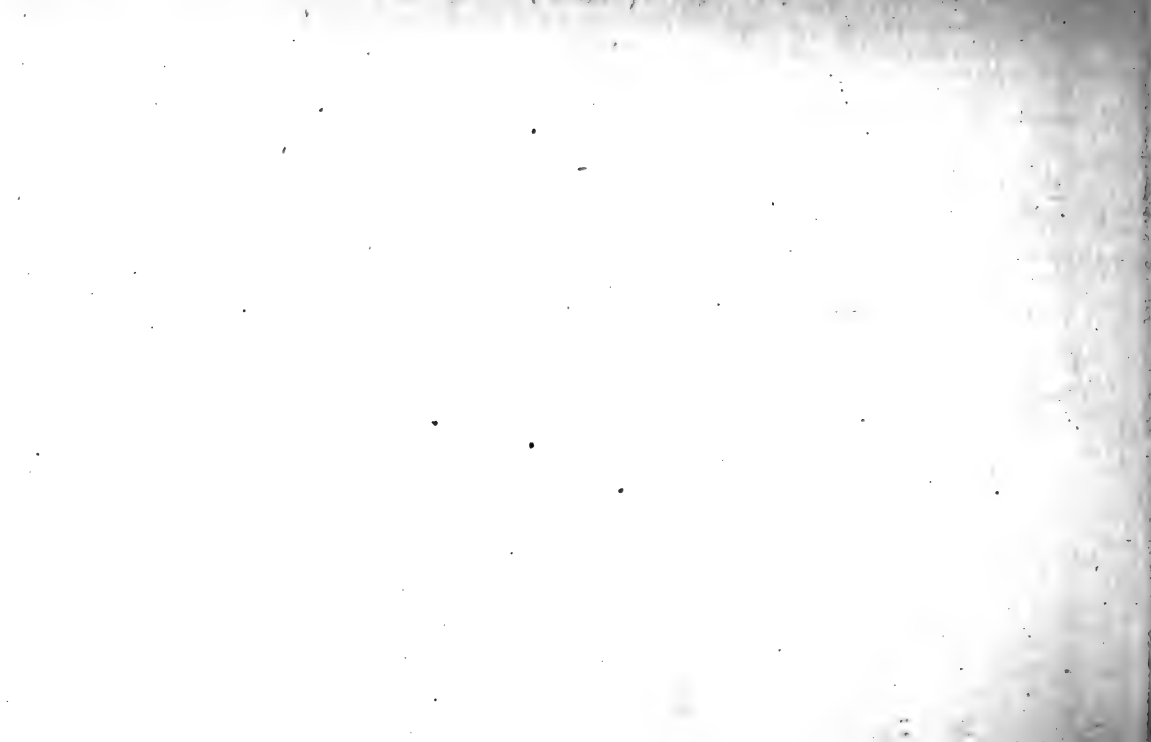




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1	2	3	4	5	6	7	8	9	10
LEGUM- INOSÆ.— (contd.).	Parkinsonia, aculeata, <i>Linn.</i>	Viláyati Kik- kar, Viláyati babúl, Vilá- yati chinkúr.	Shrub	Yellow.	Sept.— Jan.	May.	Ever- green.	Planted, but apparently naturalized in many places.	
	Mezoneurum cucullatum, <i>W. &amp; A.</i>	Bishkhopráh.	Scandent shrub.	Do.	Dec.— March.	April- May.	Do.	Pilibhit, Gonda, Bah- raich, Kheri, Gorakhpur.	
SUB-ORDER— MIMOSÆÆ.	Piptadenia oudhensis, <i>Brand.</i>	Genth.	Small- medium- sized tree.	Green- ish yellow.	April.	Do.	Decidu- ous.	Gonda, Gorakh- pur (in Nepal border). Bah- raich.	
	Adenanthera Pavonia, <i>Linn.</i>	..	Erect tree.	Pale yellow.	March	Rainy season.	...	Tilkonia- Gorakhpur (Duthie's collection).	
	Prosopis spi- cigera, <i>Linn.</i>	Chinkúr.	Medium- sized tree.	Yellow- ish- white.	April— June.	...	...	Etawah, Bundelkhand also ini.	
	Dichrostachys cinerea, <i>W. &amp; A.</i>	Kairi.	Shrub- small tree.	Yellow and pink.	Do.	...	...	Etawah and Bundelkhand.	

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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Mimosa pudica</i> , <i>Linn.</i>	Lájwanti.	Under-shrub.	Pink.	Rainy	season	Sub-deciduous.	All over the circle.	The Sensitive plant.
	<i>Mimosa rubicaulis</i> , <i>Lamk.</i>	Alái, Amrá Hinsa (Gon.), Arai (Ban).	Shrub.	Do.	June— Nov.	Nov.— Jan.	Do.	Do.	Flowers also in the hot season.
	<i>Mimosa hamata</i> , <i>Willd.</i>	Ar.	Do.	Do.	Rainy season.	Cold season.	Deciduous.	Bundelkhand and Etawah.	
	<i>Acacia Farnesiana</i> , <i>Willd.</i>	Gandhall (Bah.)	Shrub or small tree.	Yellow.	Oct.— March.	Feb.— July.	Evergreen.	Pilibhit, Kheri, Gonda, Bahraich, and Gorakhpur.	Often planted.
	<i>Acacia arabica</i> , <i>Willd.</i>	Babúl.	Medium-sized tree.	Do.	May— Jan.	Feb.— April.	Do.	All over the circle; generally planted or naturalised.	Jhansi, Banda.
	<i>Acacia ferruginea</i> , <i>DC.</i>	...	Do.	Do.	...	Cold season.	...	Jhansi, Banda.	
	<i>Acacia eburnea</i> , <i>Willd.</i>	Kikar	Small tree or shrub.	Pale yellow or dull white.	Oct.— May.	Hot season.	Deciduous.	Gonda.	
<i>Acacia Jacquemontii</i> , <i>Benth.</i>	Reonjá.	Shrub.	Yellow.	Jan.— May.	...	Evergreen.	Jhansi (Lalitpur); ravine lands in Agra Etawah.		

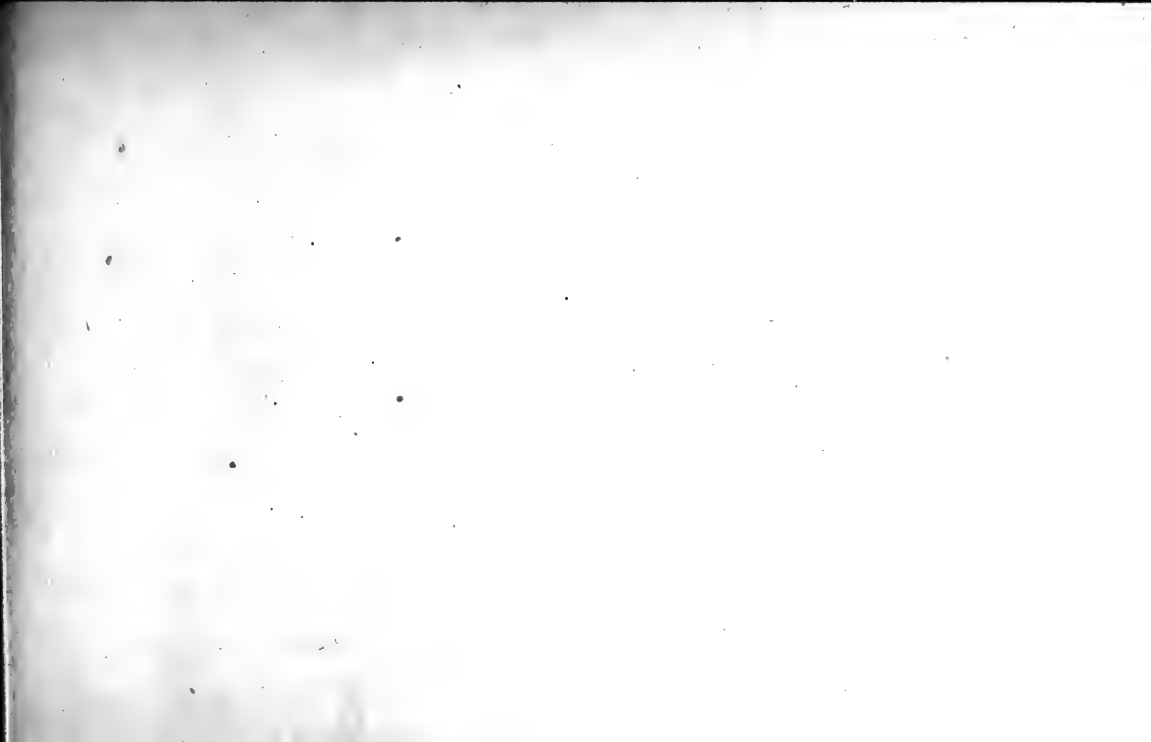


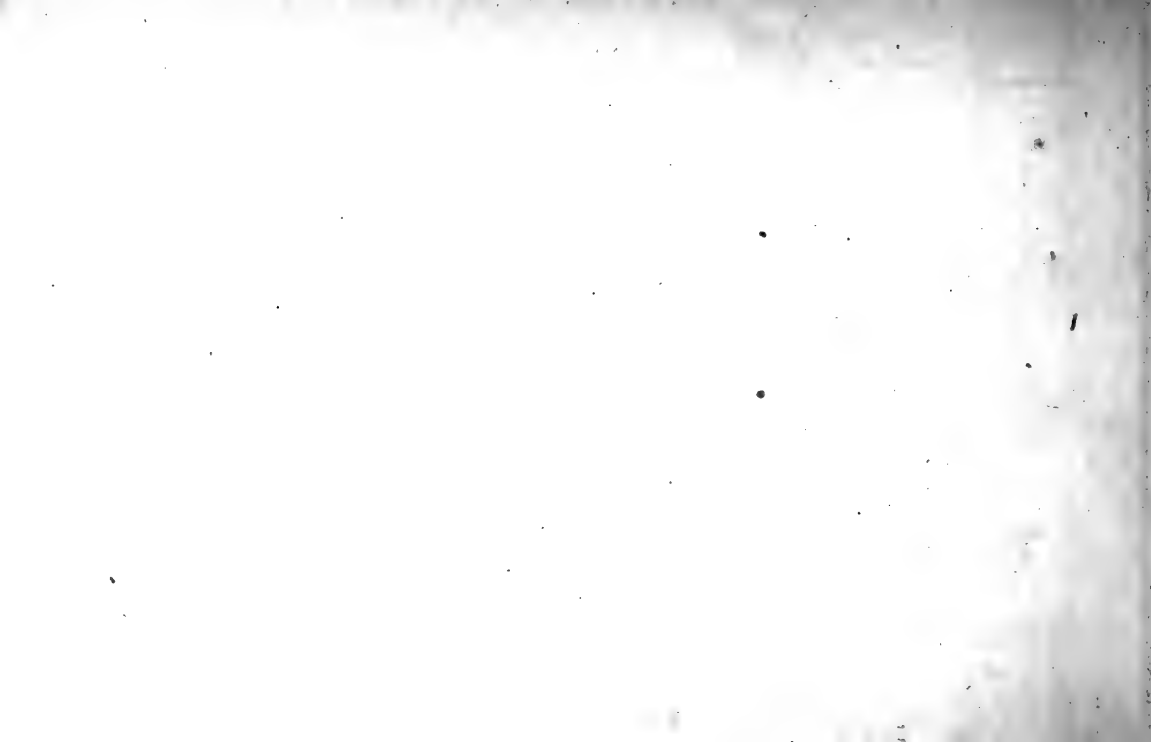




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1	2	3	4	5	6	7	8	9	10
LEGUMINOSÆ— (contd.).	<i>Acacia leucophlœa</i> , Willd.	Reonjá, Rionjá ; higwá.	Small medium-sized tree.	White	Aug.— Oct.	Jan.— June.	Deciduous.	Jhansi, Banda, Etawah.	
	<i>Acacia Catechu</i> , Willd.	Khair.	Medium-sized tree.	Yellow.	April— July.	Nov.— Feb.	Do.	All over the circle.	
	Var. <i>Sundra</i> Syn <i>A. Sundra</i> DC.	...	Moderate-sized tree.	Do.	Do.	Do.	Do	Banda.	
	<i>Acacia lenticularis</i> , Ham.	...	Small tree.	Do.	April— May.	January.	...	Pilibhit.	
	<i>Acacia concinna</i> , DC.	Rassauli, Ailá.	Climber	Yellowish white.	Feb.— May.	Dec.— March.	Evergreen.	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur.	Leaves acid; pod saponaceous and fleshy.
	<i>Acacia Intsia</i> , Willd.	Rassaul.	Do.	Yellow	April— Aug.	Jan.— March.	Do.	Gonda, Gorakhpur, Banda, and also possibly in moist localities in other divisions.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LEGUM- INOSÆ— (concl'd.).	<i>Acacia cœsia</i> , <i>W. &amp; A.</i>	...	Climber.	Yellow.	Rainy sea- son.	Dec.— March.	Ever- green.	Pilibhit, Bah- raich.	
	<i>Acacia penn- ata</i> , <i>Willd.</i>	Alái.	Do.	Dull- white.	June— Oct.	Jan.— June.	Do.	All over the circle.	
	<i>Albizzia sti- pulata</i> , <i>Boiv.</i>	Sirsá, Shám- sundará.	Large tree.	Yellow- ish white.	March— May.	Cold season.	Sub-deci- duous.	Do.	A second flush of flowers may occur in July.
	<i>Albizzia Leb- bek</i> , <i>Benth.</i>	Siris, Arian, (Ban).?	Do.	Green- ish white.	March— June.	Jan.- Feb.	Decidu- ous.	A common tree in the circle.	
	<i>Albizzia odo- ratissima</i> , <i>Benth.</i>	Sirsá.	Do.	Yellow- ish white.	Do.	Do.	Sub-deci- duous.	All over the circle.	Flowers as early as January also, in Bundelkhand and Gorakhpur.
	<i>Albizzia pro- cera</i> , <i>Benth.</i>	Siris, Safed Siris.	Large.	Do.	Rainy- season.	Jan.— April.	Decidu- ous.	Do.	
<i>Pithecolobium dulce</i> , <i>Benth.</i>	...	Small tree.	White	Jan.— July.	June— Oct. ?	Ever- green.	Cultivated as a hedge plant within the area, some- times natura- lised.	The Manilla Ta- marind.	





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ROSACEÆ.	Rubus lasiocarpus, <i>Smith.</i>	Kálá anchú.	Rambling shrub.	Pink.	Jan.— March.	May— June.	Evergreen	Pilibhit (Nakhatal), Kheri (Satyana).	
	Fragaria indica, <i>Ander.</i>	Tál palkiá.	Herb.	Yellow.	February.	June.	...	Pilibhit, Kheri, Gorakhpur.	
	Rosa involu-crata, <i>Roxb.</i>	Kúchetá.	Sub-scandent and spreading shrub.	White.	March— May.	Rainy season.	Evergreen	Gorakhpur, Bahraich.	
RHIZOPHO-RACEÆ.	Carallia integerrima, <i>DC.</i>	..	Large tree.	Dull white.	Dec.— April.	Do.	Do.	Pilibhit, Kheri, Gorakhpur, Bahraich.	
	Syn. <i>C. lucida, Roxb.</i>	...	...	..	...	...	...	...	
COMBRE-TACEÆ.	Terminalia helle-rica, <i>Roxb.</i>	Baherá.	Large tree.	Greenish yellow.	March— May.	Nov.— March.	Deciduous	All over the circle.	
	Terminalia Chebula, <i>Retz.</i>	Harrá.	Medium-sized tree.	Yellowish white.	March— July.	Dec— March.	Do.	Do.	Flowers occasionally during the rainy season.

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COMBRE- TACEÆ— (contd.).	Terminalia Arjuna, <i>Beld.</i>	Arjún, Kawá.	Large tree.	White.	Jan.— June.	Nov.— April.	Deciduous.	Kheri, Etawah, Jhansi, Banda, probably also in other divi- sions.	Often planted and naturalised.
	Syn. T. glabra, <i>W. &amp; A.</i>								
	Terminalia tomentosa, <i>W. &amp; A.</i>	Asná	Do.	Do.	April— Aug.	Feb.— Apr 1.	Do.	All over the circle.	Flowers occasional- ly during the cold season.
	Combretum decandrum, <i>Roxb.</i>	Inth bel, Aichá	Sub-scandent spreading shrub.	Yellow- ish green.	Nov.— Feb.	April— June.	Evergreen	Do.	
	Combretum nanum, <i>Buch.</i> — <i>Hant.</i>	...	Switchy under- shrub with woody root stock.	Green- ish yellow.	Feb.— May.	June— Sept.	Dies back in winter.	Do.	In burnt areas and firelines.
Anogeissus pendula, <i>Edgew.</i>	Dhankrá, Kath- dhái, Kardhái.	Small tree.	Green.	August.	Dec.— Jan.	Deciduous.	Jhansi, Banda.		



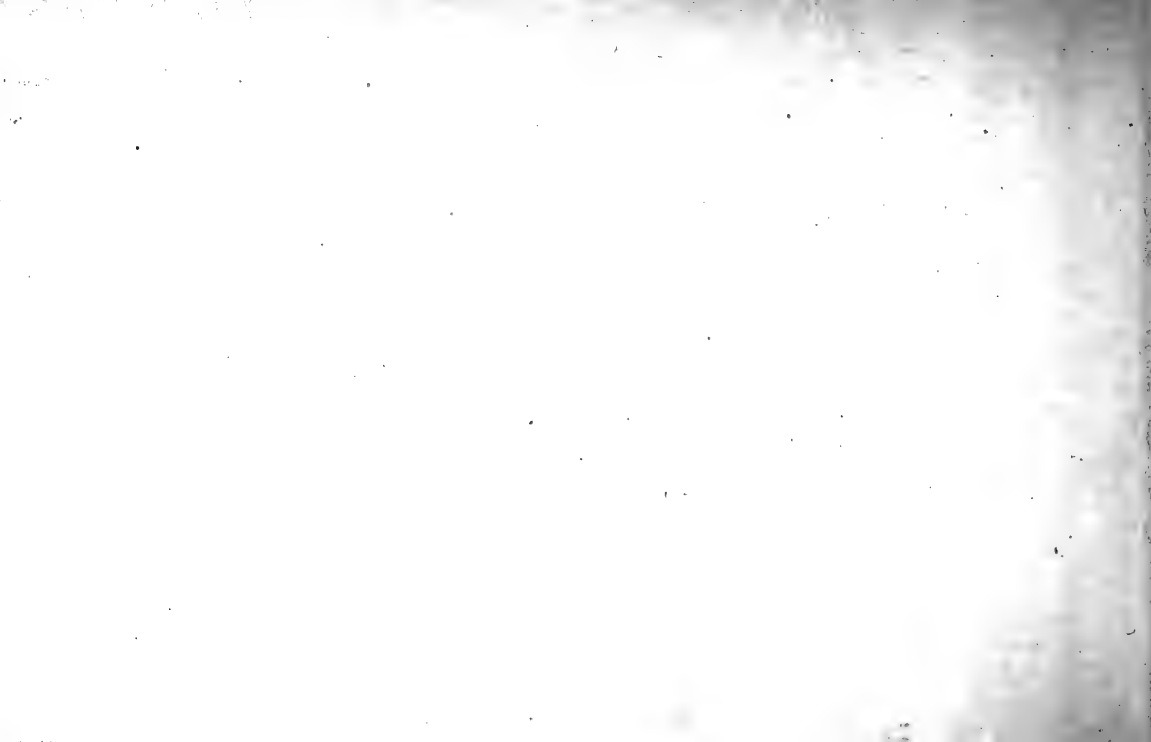




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COMBRE- TACEÆ— (concl'd.).	<i>Anogeissus latifolia</i> , Wall.	Bánji, Dháú.	Medium-sized large tree.	Green-inconspicuous.	May-June.	Dec.-Jan.	Deciduous.	Gonda, Bahraich, Banda, Jhansi.	
	<i>Quisqualis indica</i> , Linn.	...	Spreading sub-scandent shrub.	White-pink turning red.	...	...	...	...	The Rangoon Creeper. Cultivated.
MYRTA- CEÆ.	<i>Eugenia operculata</i> , Roxb.	Madar jamná.	Medium-sized tree.	White.	Feb.—May.	June-July.	Deciduous.	Pilibhit, Gonda, Kheri, Bahraich, Gorakhpur.	A second flush of flowers sometimes occurs in the rainy season, fruits being formed in winter.
	<i>Eugenia Jambolana</i> , Lam.	Jamún, jamá.	Large tree.	Do.	March—June.	June—Aug.	Evergreen	All over the circle.	
	<i>Eugenia Heyneana</i> , Duthie.	Kath jamun.	Small tree.	Do.	...	...	Do.	Banda, also banks of Betwa river near Rajghat (Duthie).	
	<i>Eucalyptus tereticornis</i> , Smith.	...	Large tree.	Do.	...	...	Do.	Planted in Kheri.	

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MYRTACEÆ— ( <i>conold.</i> ).	<i>Barringtonia acutangula</i> , <i>Gärtn.</i>	Injarh, Neorá, Panihá (Gor.).	Small tree.	Scarlet.	March— July.	Sep.— Oct.	Sub-deciduous.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur, Jhansi.	
	<i>Careya arborea</i> , <i>Roeb.</i>	Kumbi.	Small medium-sized tree.	Pink.	March— May.	July.	Deciduous.	All over the circle.	
	<i>Careya herba-cea</i> , <i>Roeb.</i>	Chotákumbi.	Under-shrub with a woody base.	Do.	March— June.	July— Aug.	Dies back annually in winter.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur.	
LYTHRACEÆ.	<i>Woodfordia floribunda</i> , <i>Salisb.</i>	Dhenti, Dhaurá Adhóntá (K) Dhawái (Ban. J). Dhái (Ban.).	Shrub.	Scarlet.	Jan.— May.	April— June.	Sub-deciduous.	All over the circle.	
	<i>Lawsonia alba</i> , <i>Lamb</i>	Mehndi.	Shrub, small tree.	Greenish white.	Throughout the year.		Ever-green.	Cultivated all over the circle, occasionally naturalised.	





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LYTHRACEÆ— (concl'd.).	Lagerstroemia Flos-Regiæ, Retz.	...	Medium sized- large tree.	Purple.	May- June.	Cold season.	Decidu- ous.	Gorakhpur, along nalas (Jagpur Surpâr) often cultivated in gardens throughout the circle.	Flowers also dur- ing the rains.
	Lagerstroemia paviflora, Roeb.	Sidh, asidh.	Do.	White.	April— July.	Nov.- Dec.	Do.	All over the circle.	Fruits persist long after ripening.
	Punica Gran- atum, Linn.	Anâr.	Small tree.	Scarlet.	...	...	Ever- green.	Cultivated.	
ONAGRA- CÆÆ.	Jussiaea suffrit- tiosa, Linn.	...	Under- shrub.	Yellow.	March— Nov.	Nov.- Dec.	Do.	All over the circle in open wet places.	
	Trapa bispino- sa, Roeb.	Singhââ.	Herb.	White.	March— Sep.	Cold season.	...	Common in jhils and tanks in the area.	The Water Chest- nut.
SAMYDA- CÆÆ.	Casuarina grave- olens, Dalz.	Narhá (Gor.), Pipriâ (J.).	Small tree.	Green.	May- June.	July- Aug.	Decidu- ous.	All over the circle.	

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SAMYDA- CEÆ— ( <i>conclid.</i> ).	Casearia tomentosa, <i>Roxb.</i>	Chillā.	Small-medium-sized tree.	Green.	Jan.— June.	April— July.	Sub- deciduous.	All over the circle.	Flowers early in Bundelkhand.
CACTACEÆ	Opuntia Dillenii, <i>Haw.</i>	Nāgphan.	Shrub.	Yellow.	May- June.	Nov.- Dec.	Deciduous.	Naturalised all over the circle.	
ÆALIA- CEÆ.	Heteropanax fragrans, <i>Sourm.</i>	...	Small tree.	Yellowish green.	Nov.- Dec.	Dec.- Jan.	Evergreen.	Pilibhit.	
CORNACEÆ.	Alangium Lamarekii, <i>Thwaites.</i>	Akólā Akóhar.	Do.	White.	Feb.— April.	May— July.	Deciduous.	All over the circle.	
	Marlea begoniæfolia <i>Roxb.</i>	...	Do.	Greenish white.	March— June.	Rainy season	Evergreen.	Gorakhpur (Kalnahi).	
RUBIACEÆ.	Cephalanthus naucleoides, <i>DC.</i>	Jalkaem ...	Shrub to small tree.	White.	April— June.	Do.	Do	Pilibhit, Gonda, Gorakhpur, Bahraich in swamps.	







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RUBIACEÆ —(contd.).	<i>Adina cordifolia</i> , Hook.f.	Tikúí, Karmá, Haldú.	Large tree.	White	June-July.	Cold season.	Deciduous.	All over the circle.	Ripe fruits persist on the tree till April and May.
	<i>Stephegyne parvifolia</i> , Korth.	Kaem, Tikúí.	Do.	Do.	Do.	Do.	Do.	Do.	Do.
	Syn. <i>Mitragyna parvifolia</i> , Korth.		Do.	Do.	Do.	Do.	Do.	Do.	Do.
	<i>Hymenodictyon excelsum</i> , Wall.	Bhúrkúr.	Do.	Do.	May—July.	Jan.—March.	Do.	Do.	
	<i>Wendlandia exserta</i> , DC.	...	Small tree.	Do.	Dec.—April.	Dec.—Jan.	Evergreen.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur, on broken ground.	
	<i>Wendlandia tinctoria</i> , DC.	...	Do.	Greenish white.	Jan.—Feb.	April.	Do.	Gonda, Bahraich	
<i>Randia uliginosa</i> , DC.	Pindar, Pirará.	Do.	White.	April—May.	Nov.—Jan.	Deciduous.	All over the circle.		

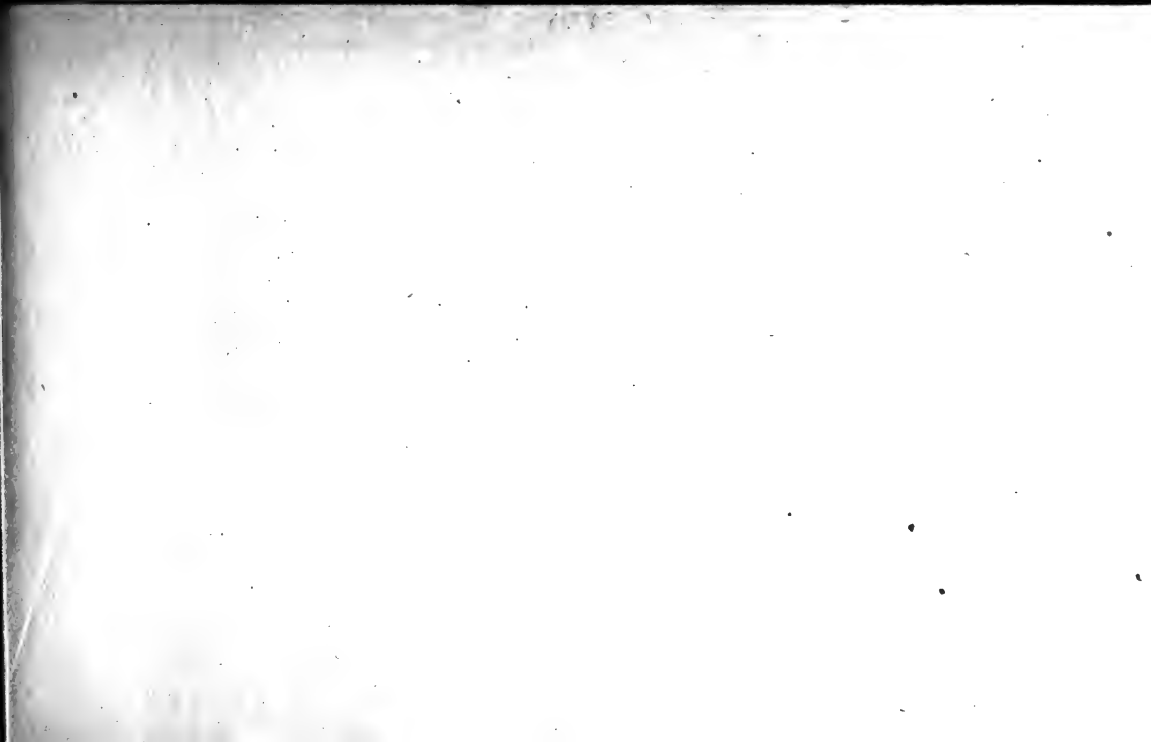
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RUBIACEÆ —(contd.).	<i>Randia dumetorum</i> . Lamk.	Maini.	Small tree.	White turning yellow.	March—June.	Dec.—Feb.	Deciduous.	All over the circle.	
	<i>Gardenia latifolia</i> . Thw.	Paprá.	Do.	White.	April—May.	Dec.—June.	Do	Banda, Jhansi.	
	<i>Gardenia turgida</i> Roxb.	Gurgá, Kharar.	Do.	Do	*March—June.	Jan.—March.	Do.	All over the circle.	* Occasionally flowers at other times of the year.
	<i>Hyptianthera stricta</i> , W. & A.	...	Shrub.	Green.	April—May.	Cold season.	Evergreen.	Bahraich, Gonda, Gorakhpur.	
	<i>Ixora parviflora</i> , Vahl.	Khujhá.	Shrub—small tree.	White or pink.	†March—May.	June—July.	Do.	Bahraich, Gonda, Gorakhpur, Banda, Jhansi. †	The Torch tree. †Also in the rainy season. † Often cultivated.
	<i>Ixora undulata</i> , Roxb.	...	Do.	White.	May—June.	...	Do.	Gorakhpur, (Domakhand).	
	<i>Pavetta indica</i> , Linn.	...	Shrub.	Do.	June—Aug.	Nov.—Jan.	Do.	Pilibhit, Bahraich, Gorakhpur, Jhansi, Banda.	Probably throughout the circle.





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RUBIACEÆ —( <i>conoid.</i> )	<i>Coffea Benghalensis</i> , <i>Roxb.</i>	...	Small under-shrub.	White.	April— May and also in the rainy season.	Cold season.	Deciduous.	Gorakhpur.	
	<i>Hamiltonia suaveolens</i> , <i>Roxb.</i>	...	Shrub.	Lilac	Oct.— Jan.	Hot season.	Do.	Gonda, Bahraich.	Flowers also in the rains; fetid smelling when bruised.
	<i>Morinda tinctoria</i> , <i>Roxb.</i>	...	Small tree.	White.	May— Sep.	Jan.— Feb.	...	Jhansi, Etawah.	
	<i>Anthocephalus Cadamba</i> , <i>Miq.</i>	Kadam.	Large tree.	Yellowish white.	May— July.	Aug.— Oct.	Evergreen.	...	Planted and often naturalised.
	<i>Vangueria spinosa</i> , <i>Roxb.</i>	Chotá maini.	Shrub.	Green.	April— June.	Rainy season.	...	Pilibhit (Tarai Range), Gonda (Tikri) Gorakhpur (Sakhui, Domakhand).	

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COMPOSITÆ.	Vernonia, Roxburghii, Less.	...	Under shrub.	Purple.	Sep.—Nov.	Cold season.	Dies back annually.	All over the circle.	
	Inula Cappa, DC.	...	Do.	Yellow.	Do.	Do.	...	All sal forests of the circle.	
	Artemisia vulgare, Linn.	...	Shrub-like annual.	Yellowish green.	Rainy season.		...	Bahraich.	
	Echinops echinatus, DC.	...	Herb.	Purple.	April—Nov.	Cold season.	...	All over the area in waste lands, also in Etawah.	
	Ageratum conyzoides, L.	...	Do.	Do.	Rainy season.	Rainy season.	...	Introduced weed; in moist situations all over the circle.	
	Cnicus arvensis, Hoffn.	...	Do.	Do.	Feb.—June.	...	...	All over the circle. Specially in cultivated ground.	
PLUMBAGINACEÆ.	Plumbago zeylanica, Linn.	Chitra, Chitwar.	Perennial herb.	White.	May—Nov.	...	...	Planted and naturalised all over the circle.	

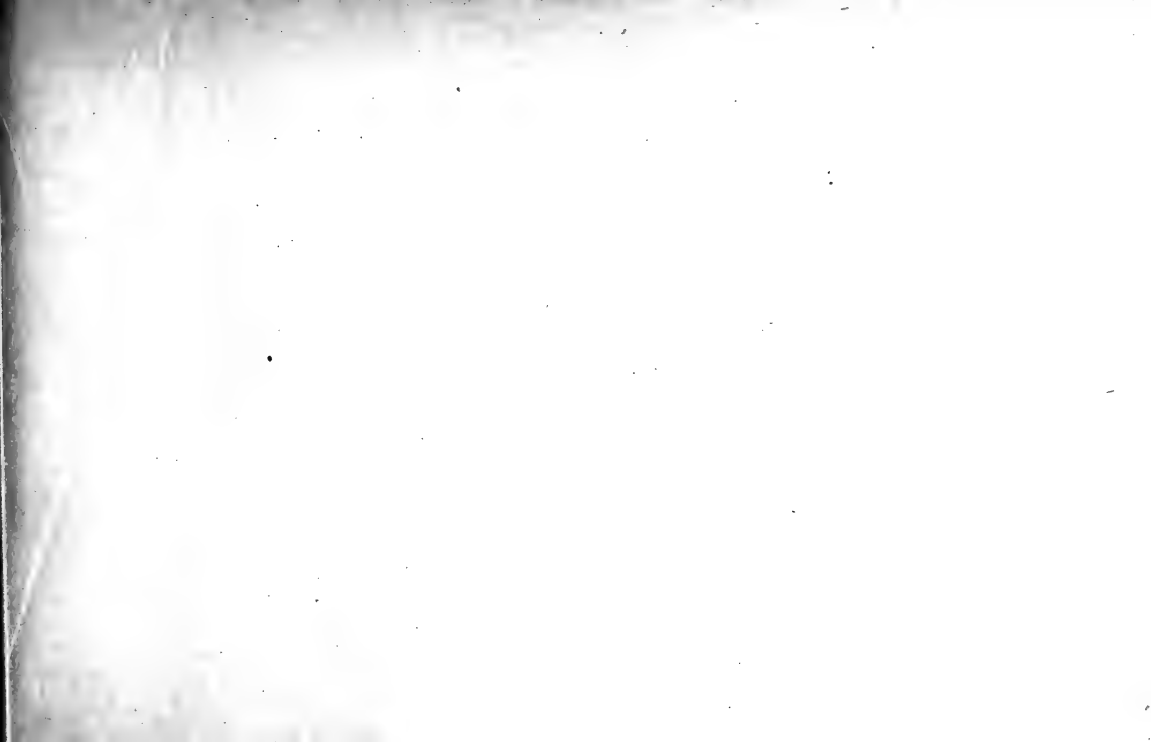






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MYRSINACEÆ.	<i>Embelia robusta</i> , Roxb.	Raibirang.	Ramb-ling shrub.	Green.	March—Sep.	Nov.—Ma. ch.	Sub-deci-uous.	All over the circle.	Flowers some- times as late as October.
	<i>Ardisia humilis</i> , A. DC. <i>Syn.</i> <i>A. solanacea</i> , <i>Roxb.</i>	Mujrawá (Gon.) Bhakmal (Gor.)	Shrub.	Pink.	March— May.	Cold season.	Ever- green.	Pilibhit, Gon- da, Gorakhp- pur, Baheri, Bahraich.	Flowers and fruits also at other times of year.
	<i>Mæsa indica</i> , <i>Wall.</i>	...	Do.	White.	March.	Dec.— Feb.	Do.	Pilibhit-Na- khatal.	Kanjilal's collection.
	<i>Bassia latifolia</i> , <i>Roxb.</i>	Mahutá.	Large tree.	Do.	Feb.— April.	June- July.	Deciduous	All over the circle.	
SAPOTA- CEÆ.	<i>Bassia butyra- cea</i> , <i>Roxb.</i>	Chilli, Cheoli	Do.	Pale yellow.	Nov.— Jan.	Do.	Do.	Fahraich, Gon- da	
	<i>Mimusops hez- andra</i> , <i>Roxb.</i>	Khirmi.	Do.	White.	Do.	April- May.	Ever- green.	Often cultiva- ted. Pilibhit, Gorakhpur, Bahraich, Jhansi, Ban- da, Etawah.	
	<i>Mimusops El- engi</i> , <i>Linn.</i>	Mauisari.	Medium- sized tree.	Dull white.	March— June.	June- July.	Do.	Cultivated.	

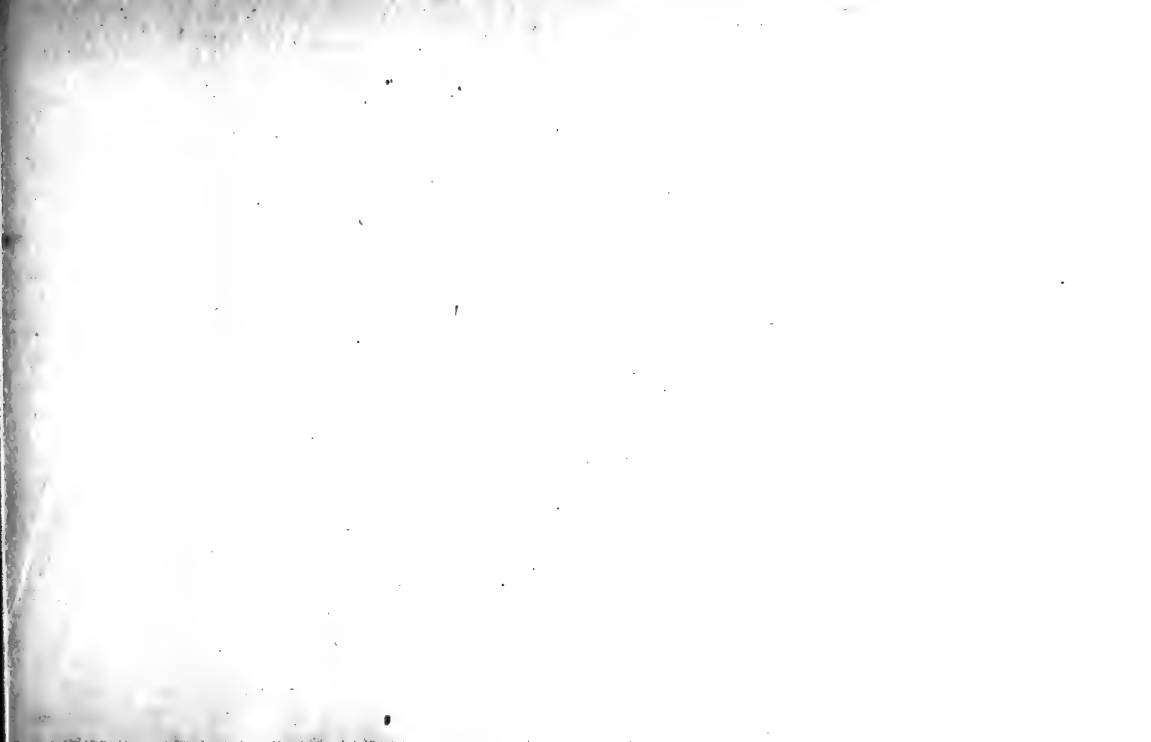
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EBENACEÆ.	<i>Diospyros tomentosa</i> , Roxb.	Tendú, Áblús, Ábnús.	Medium-sized large tree.	Brown (hairy).	May-June.	April-June.	Deciduous.	All over the circle.	United with <i>D. melonoxylon</i> , Roxb.	
	<i>Diospyros montana</i> , Roxb.	Eish tendú, Bhak-tendú.	Small tree.	Greenish white.	April-June.	Jan.	Do.	Gonda, Bahraich, Jhansi, Janda	Probably also in Pilibhit, Kheri and Gorakhpur.	
	<i>Diospyros cordifolia</i> , Roxb.	Bish-tendu.	Do.	Do.	April-May.	Jan.—June.	Do.	Bahraich, Gonda, Etawah.		
	<i>Diospyros Kanjilali</i> , Duthie.	Do.	Medium-sized small tree.	Green.	Do.	Cold season.	Do.	Pilibhit, Gonda, Gorakhpur.		
	<i>Diospyros chloroxylon</i> , Roxb.	...	...	Small to middle-sized tree.	White.	Hot season.	...	...	Bahraich.*	*Mr. W. J. Lamber also Duthie's collection.
	<i>Diospyros Embryopteris</i> , Pers.	Kálá-tendú.	Medium-sized tree.	Dull white.	Do.	May.	Evergreen.	All over the circle.	In swampy situations.	
	<i>Diospyros Holeana</i> , Gupta & Kanjilal.	...	Do.	...	...	May-June.	October.	Do.	Gonda.	Closely allied to <i>D. Embryopteris</i> .

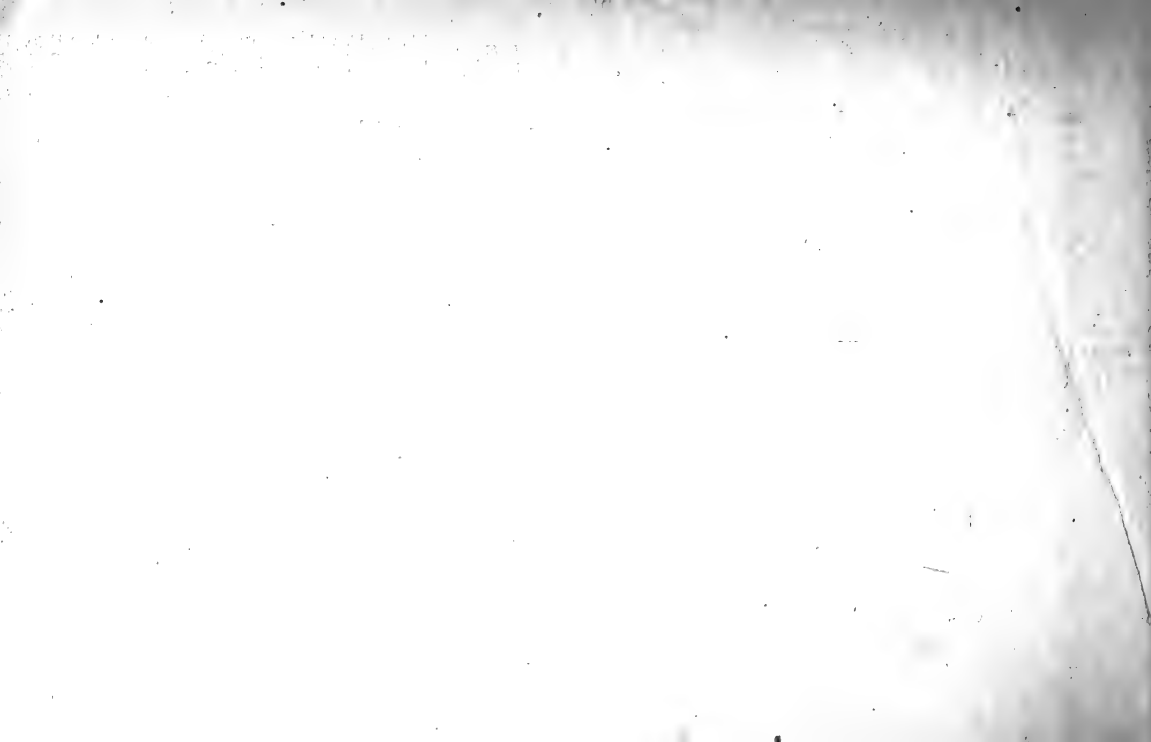




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STYRACEÆ.	<i>Symplocos racemosa</i> , Roxb.	Lôdh.	Shrub, small tree.	White.	Nov.—Jan.	Dec.—May.	Evergreen.	Gonda, Gopalkpur (Madhohia Sub-division), Bahraich.	A second flush of flowers occurs in May.
OLEACEÆ.	<i>Jasminum pubescens</i> , Willd.	Chameli.	Climbing shrub.	Do.	Nov.—April.	April—May.	Do.	All over the circle.	Flowers also during the rains.
	<i>Jasminum arborescens</i> , Roxb.	Do.	Scandent or sub-erect shrub.	Do.	April—June.	June—July.	Deciduous.	Do.	Not common. Flowers sometimes as early as January and also in July.
	<i>Jasminum brevipedunculatum</i> , Duthie.	...	Shrub.	Do.	May—June.	...	Evergreen.	Filibhit-Dhaura Range; Kheri Sathiana Range; Bahraich.	
	<i>Jasminum auriculatum</i> , Vahl.	...	Climbing shrub.	Do.	May.	...	...	Etawah.	
	<i>Nyctanthes arbor-tristis</i> , Linn.	Harsingar; Sujari.	Small tree.	White with orange tube.	Sep.—Oct.	Jan.—March.	Deciduous.	All over the circle.	
	<i>Schrebera swietenoides</i> , Roxb.	Ghont.	Medium-sized tree.	White.	May—June.	Feb.—March.	Do.	Jhansi, Banda	

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OLEACEÆ— (concl.).	Linociera intermedia, <i>Clarke.</i>	...	Medium-sized.	White.	...	...	...	Gonda, Kheri (Bhirá); Bahraich.	
SALVADOBACEÆ.	Salvadora, oleoides, <i>Dene.</i>	Jhál.	Shrub.	Dull white.	Jan.—April.	...	Evergreen.	Etawah	
APOCYNACEÆ.	Carissa Carandas, <i>Linn.</i>	Karaundá.	Do.	White.	April—May.	Cold season.	Do.	...	Usually cultivated. Flowers during the rains also.
	Carissa spinarum, <i>A. DC.</i>	Karaundá, Karwan.	Do	Do.	Dec.—June.	Do.	Do.	All over the circle, also Etawah.	Flowers also in September.
	Rauwolfia serpentina, <i>Benth.</i>	Damarbaruá.	Under-shrub.	White and pink.	March—June.	July.	Do.	Pilibhit, Kheri, Bahraich, Gonda, Gorakhpur.	
	Alstonia scholaris, <i>R. Br.</i>	Chatianá.	Large tree.	Dull white.	Dec.—May.	June—July.	Do.	Do,	
	Holarrhena antidysenterica, <i>Wall.</i>	Indrajau, Kurá.	Small tree.	White.	March—July.	Cold season.	Deciduous.	All over the circle.	
	Tabernaemontana coronaria, <i>Stapf.</i>	Chándni.	Shrub.	Do.	March—Nov.	Do.	Evergreen.	Pilibhit, Gorakhpur, Bahraich.	

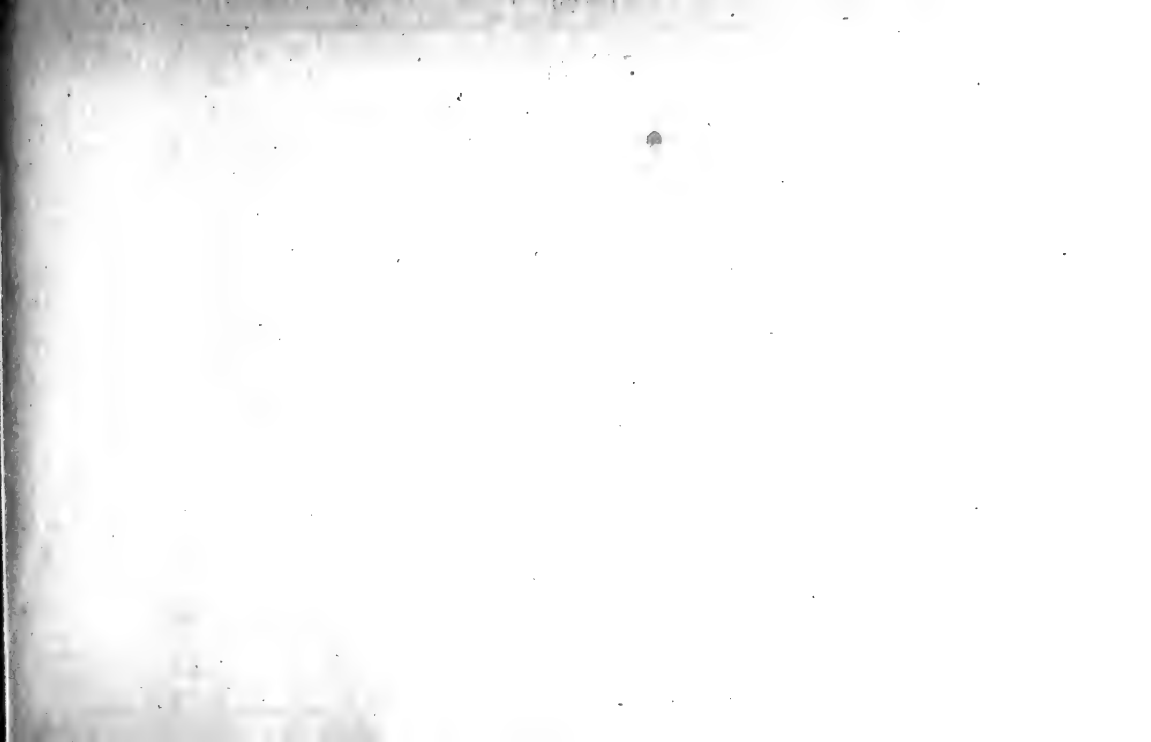






Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
APOCYNACEÆ— (contd.).	Vallisneria Heynei, Spreng.	Dūdhi.	Climbing shrub.	White.	Feb.—May.	Cold season.	Sub-deciduous.	All over the circle.	
	Wrightia tinctoria, R. Br.	Do.	Small tree.	Do.	April—May.	Do.	Deciduous.	Bahraich, Banda, Jhansi.	
	Wrightia tomentosa, R. & S.	Dūdhi, indrajau.	Do.	Do.	Jan.—July.	Do.	Do.	All over the circle.	
	Nerium odoratum, Soland.	Kaner.	Do.	Rose or white.	April—June.	Do.	Evergreen.	Believed to be indigenous in North Outh (Gonda, Bahraich) in banks of rocky streams.	Cultivated in gardens.
	?Aganosma caryophyllata, G. Don.	...	Woody climber	White.	Aug.	Do.	Do.	Pilibhit.	
	Rhynchodia Wallichii, Benth.	...	Do.	Do.	...	Do.	...	Pilibhit-Nawadia (very rare).	
	Ichnocarpus frutescens, R. Er.	Dūdhi.	Do.	Dull white	Sep.—Jan.	March—April.	Deciduous.	All over the circle.	

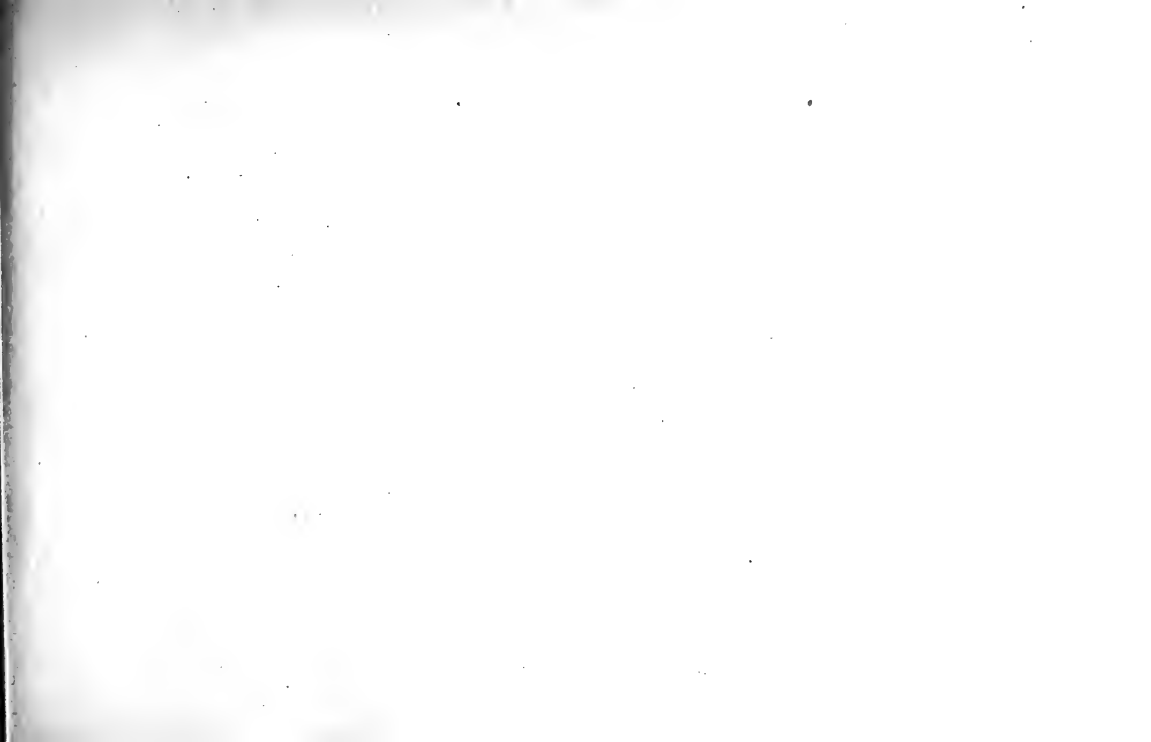
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1	2	3	4	5	6	7	8	9	10
APOCYNACEÆ— (concl.).	<i>Thevetia neriifolia</i> , <i>Juss.</i>	Pilá-kaner.	Small tree.	Yellow.	Greater part of the year.	Greater part of the year.	Ever-green.	Introduced.	Cultivated.
	<i>Plumieria acutifolia</i> , <i>Poir.</i>	Gúlchin.	Do.	White, yellow towards the centre.	March—Oct.	...	Deciduous.	...	Do.
ASCLEPIADACEÆ.	<i>Hemidesmus indicus</i> , <i>R. Br.</i>	Káli-kapúri.	Slender climber	Green.	Hot and rainy seasons.	Cold season.	Sub-deciduous.	All over the circle.	
	<i>Cryptolepis Buchanani</i> , <i>R. and S.</i>	Dúdhi.	Woody climber.	Yellowish white.	April—Sep.	Do.	Do.	Do.	
	<i>Calotropis gigantea</i> , <i>R. Br.</i>	Safed-ák, mádár.	Shrub.	White and bluish pink.	Throughout the year.	Throughout the year.	Ever-green.	Do.	Flower buds ovoid.
	<i>Calotropis procera</i> , <i>R. Br.</i>	Ák ; madár.	Do.	White and pink.	Do	Do.	Do.	Ditto and also Etawah.	Flower buds hemispheric.





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1	2	3	4	5	6	7	8	9	10
SCLEPIADACEAE— (contd.).	<i>Calotropis Acia, Ham.</i>	...	Sub-herbaceous.	Pink.	May—July.	Cold season.	Annual.	Pilibhit, Kheri, Bahraich in open forests.	
	<i>Holostemma Rheedianum, Spreng.</i>	...	Climbing shrub.	White and pink.	June—Sep.	Do.	Deciduous.	Pilibhit, Bahraich.	
	<i>Oxystelma esculentum, R. Br.</i>	...	Slender climber.	Pinkish white with purple streaks.	June—Oct.	...	...	Go-akhpur, Pilibhit, Banda.	Probably also occurs in the Ouch divisions
	<i>Gymnema tingens, W. &amp; A.</i>	...	Woody climber.	Greenish yellow.	Feb.	Cold season.	Sub-deciduous.	Pilibhit, Go-akhpur and Ouch divisions.	
	<i>Gymnema sylvestre, R. Br.</i>	...	Scandent shrub.	Yellow.	April—May.	...	...	Banda.	
	<i>Pentatropis spiralis Dene.</i>	...	Chimber	Green.	...	...	...	Etawah.	
<i>Dæmia extensa, R. Br.</i>	...	Herbaceous climber.	Do.	Jan.—April.	...	...	Etawah, Banda, Jhansi, Bahraich.		

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1	2	3	4	5	6	7	8	9	10
ASCLEPIADACEÆ — (contd.).	<i>Marsdenia tenacissima</i> , <i>W. &amp; A.</i>	..	Climbing shrub.	Green.	April—June.	Cold season.	Sub-deciduous.	Pilibhit, Gonda, Banda, and probably all over the circle; not common.	Often mistaken for <i>Dregea volubilis</i> <i>Benth.</i>
	<i>Marsdenia Hamiltonii</i> , <i>Wight.</i>	...	Scandent under-shrub with woody base.	Do.	Do.	...	Dies back annually.	Pilibhit, Gorakhpur, and Oudh divisions in fire traces.	
	<i>Marsdenia lucida</i> , <i>Edgew.</i>	...	Woody climber.	Purple.	Oct.—Nov.	...	...	Gonda, Bahraich.	
	<i>Pergularia pallida</i> , <i>W. &amp; A.</i>	...	Do.	Pale yellow.	May—July.	Cold season.	...	Bahraich.	
	<i>Dregea volubilis</i> , <i>Benth.</i>	...	Do.	Do.	Green.	April—Oct.	Do.	Sub-deciduous.	All over the circle in open forests.
	<i>Tylophora fasciculata</i> <i>Buch. Ham.</i>	Kapuri.	Switchy under-shrub.	Do.	April—July.	Rainy season.	Dies back annually.	Gorakhpur, Bahraich.	

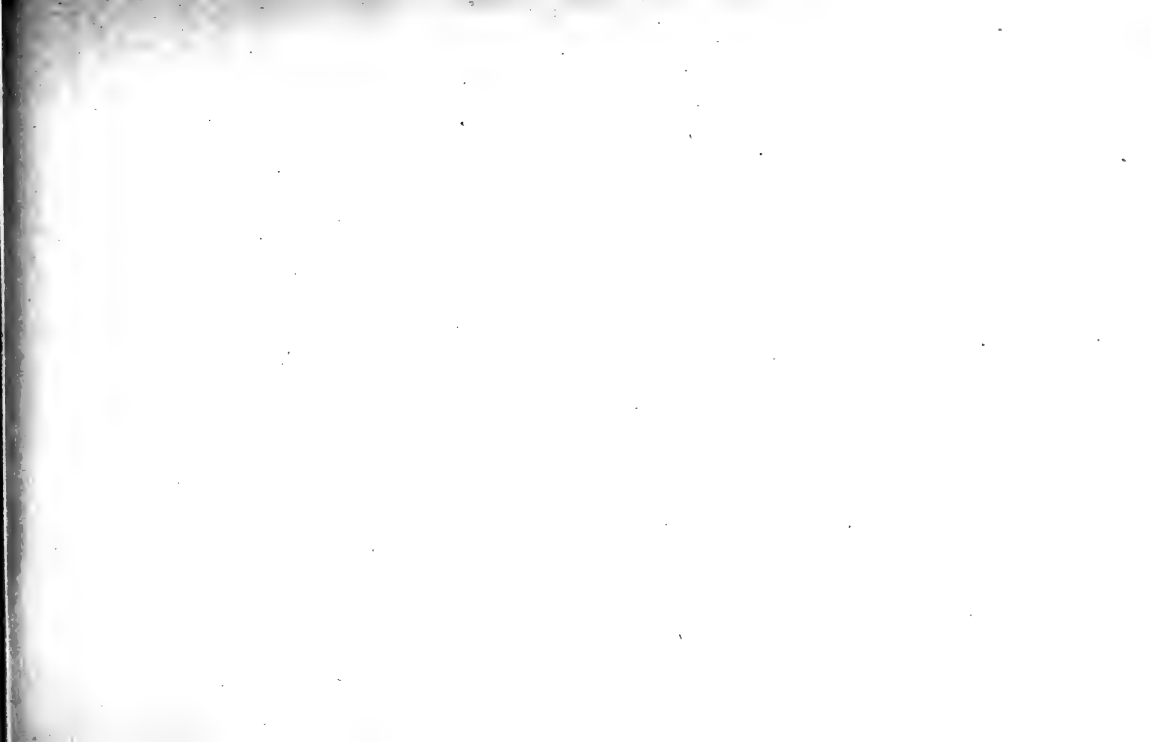


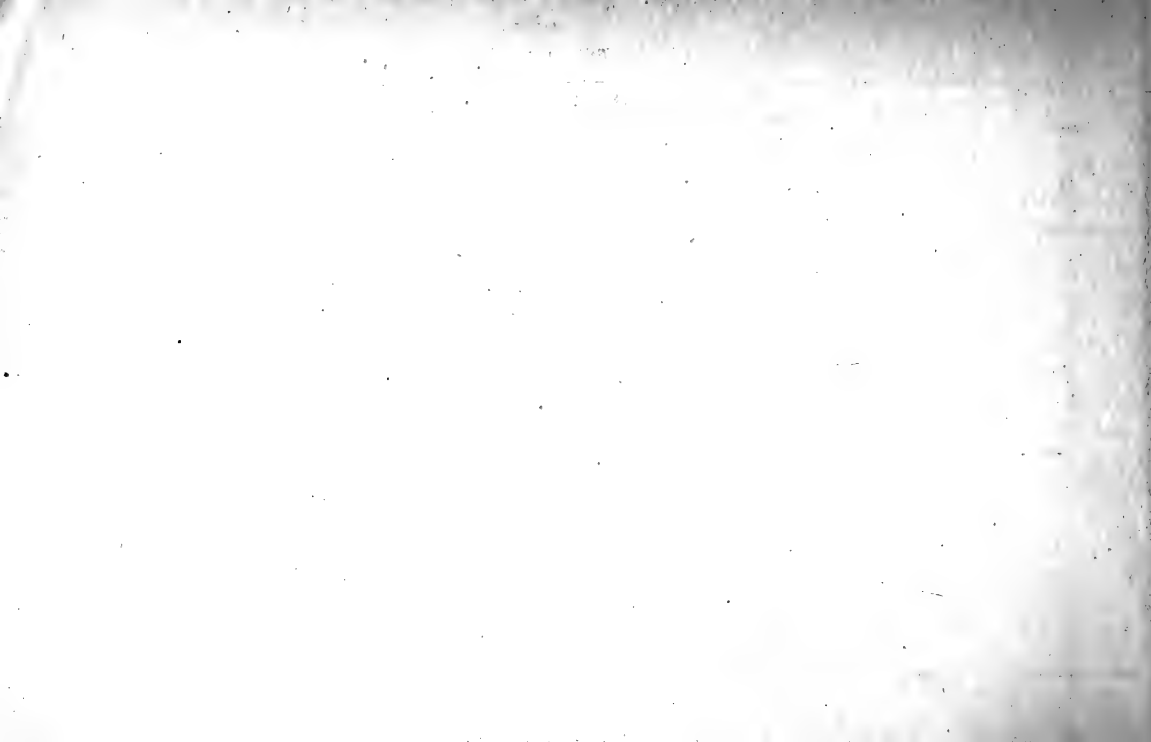




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1	2	3	4	5	6	7	8	9	10
ASCLEPIADACEÆ— (concl'd.)	<i>Tylophora rotundifolia</i> , <i>Buch. Ham.</i>	...	Climbing shrub.	Green.	May— July.	Rainy season.	...	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	
	<i>Tylophora asthmatica</i> , <i>Wt. and Arn.</i>	...	Slender climber.	Do.	May— June.	...	...	Gonda (rare).	
	<i>Leptadenia reticulata</i> , <i>W. and A.</i>	...	Climbing shrub.	Dull white.	April— July.	Cold season.	Deciduous.	Pilibhit, Gorakhpur, Gonda, Bahraich, Kheri.	
	<i>Leptadenia spartum</i> , <i>W. and A.</i>	...	Leafless shrub.	Dull yellow.	Nov.— Jan.	March— April.	...	Etawah.	
	<i>Orthanthera viminea</i> , <i>Wight.</i>	Mahúr ghás (Pil. Bah., Gon.) Pá-bansá (J.)	...	Leafless erect shrub.	Brown.	Feb.— May.	Sept.— Nov.	...	Pilibhit, Bahraich, Gonda, Jhansi.
LOGANIACEÆ.	<i>Buddleia asiatica</i> , <i>Lour.</i>	...	Shrub.	White.	Dec.— June.	March— May.	Evergreen.	All over the circle.	

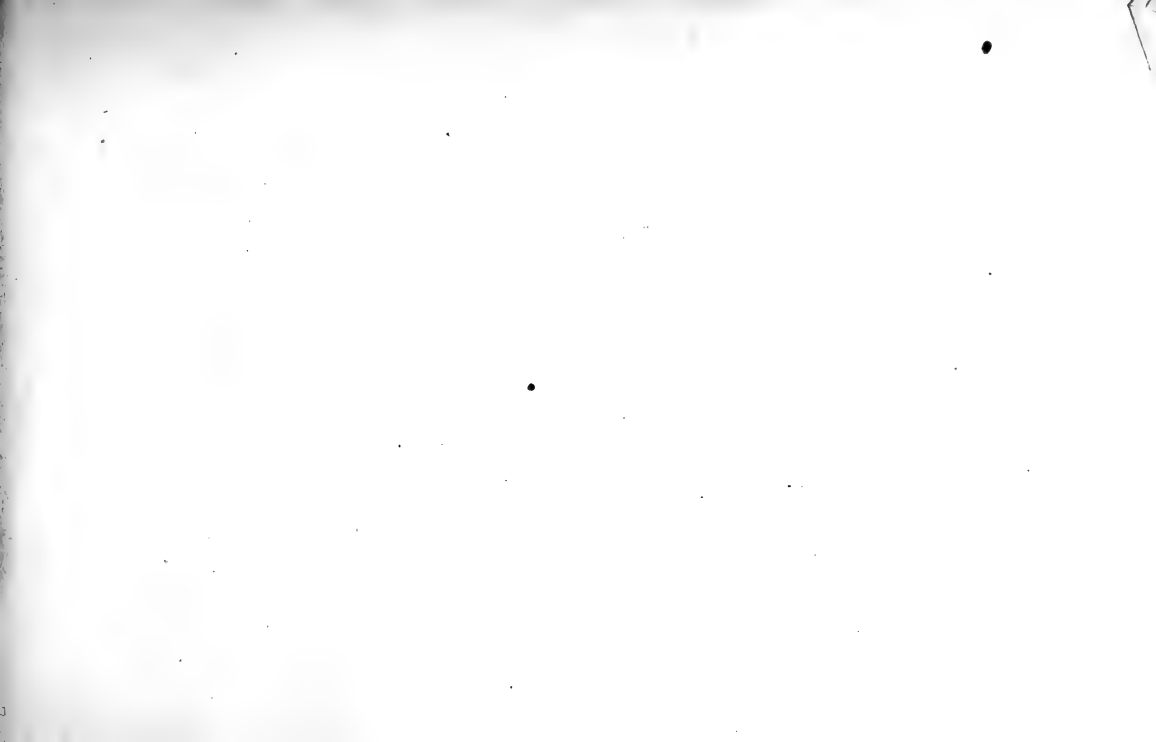
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LOGANI- ACEÆ— (concl'd.)	<i>Strychnos Nux- vomica, Linn.</i>	Kúchlá.	Small tree	White.	April— May.	Cold season.	Ever- green.	Naturalised in Goakbpur. Planted else- where.	The Strychnine tree.
	<i>Strychnos pota- torum, Linn. F.</i>	Bish-kathuá ; ni.mali.	Do.	Do.	Hot season.	Do.	Decidu- ous.	Banda.	
GENTIAN- ACEÆ.	<i>Exaeum tetra- gonum, Roeb.</i>	Jangniá.	Stout herb.	Purple.	April— Oct.	Do.	...	All over the circle in damp ground.	
	<i>Sweetia angus- tifolia, Buch. Ham.</i>	Chiritá.	Herb.	Pur- plish white mottled with blue.	Oct.— Dec.	Do.	...	Bahraich.	
BORAGIN- ACEÆ.	<i>Cordia Myxa, Linn.</i>	Lasórá.	Medium- sized. tree.	White.	March— May.	July— Sep.	Decidu- ous.	All over the circle.	
	<i>Cordia Mac- leodii, Hk. f. &amp; T.</i>	Bará-lissórá.	Do.	Do.	March— April	May.	Do.	All over the circle : not common.	





Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
BORAGI- NACEÆ— (concl'd.).	<i>Cordia vestita</i> , <i>Hk. f. &amp; T.</i>	Ajantá.	Medium-sized tree.	Yellowish-white.	March—May.	Oct.	Deciduous.	Gonda, Bahraich, Banda, Jhansi.	
	<i>Ehretia acuminata</i> , <i>R. Br.</i>	...	Do.	White.	March—July.	Nov.—Dec.	Do.	All over the circle, not common.	Found mostly on clayey soils.
	<i>Ehretia laevis</i> , <i>Roeb.</i>	Gúrji, datrangá.	Small tree.	Do.	Jan.—June.	Jan.—April.	Do.	All over the circle.	
	<i>Trichodesma indicum</i> , <i>R. Br.</i>	...	Herb.	Pinkish white to pale blue.	February to	November.	...	Do	
	<i>Rhabdia lycioides</i> , <i>Mart.</i>	...	Under-shrub.	Pink.	Oct.—Nov.	Jan.—Feb.	...	Bundelkhand (Rajghat)-Duthie.	Rocky beds of streams.
CONVOLVU- LACEÆ.	<i>Cuscuta reflexa</i> , <i>Roeb.</i>	Akásbour, Akásbel, Amar bour.	Leafless parasite.	Dull white.	Sept.—Feb.	Dec.—March.	...	All over the circle.	
	<i>Erycibe paniculata</i> , <i>Roeb.</i>	...	Woody climber.	Yellowish white.	April—June.	April—May.	Ever-green.	Do.	Flowers also in November and December.

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1	2	3	4	5	6	7	8	9	10
CONVOLVULACEÆ— (contd.).	<i>Porana paniculata</i> , <i>Roeb.</i>	U'jal bel.	Woody climber.	White.	Oct.— Feb.	Feb.— May.	Sub-deciduous.	All over the circle.	
	<i>Ipomœa petaloidea</i> , <i>Oloiss.</i>	...	Climbing shrub.	Yellow.	April— May.	Oct.—	...	Jhansi, Gonda, Bahraich.	
	<i>Ipomœa repens</i> , <i>Poir.</i>	Kalmi.	Aquatic herb.	Pink and purple.	Cold season.	Cold season.	...	All over the circle in ponds.	Leaves are eaten as vegetable.
	<i>Ipomœa Turpethum</i> , <i>E. Br.</i> <i>Syn.</i> <i>Operculina Turpethum</i> , <i>Manso.</i>	...		Climber.	White.	Oct.— Jan.	Jan.— Oct.	Dies back annually.	Pilibhit, Bahraich, Gorakhpur, Banda.







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1	2	3	4	5	6	7	8	9	10
CONVOL- VULACEÆ— (contd.).	<i>Ipomœa Bonanox, Linn.</i>	...	Large annual climber	White.	Rainy season.	Rainy season.	...	Cultivated.	
	<i>Ipomœa Quamoclit, Linn.</i>	...	Climbing annual.	Red white.	August.	Nov	...	Cultivated, but frequently found as an escape within the area.	
	<i>Ipomœa coccinea, Clarke.</i>	...	Do.	Red.	Do.	Do	...	Do.	
	<i>Ipomœa hederacea, Jacq.</i>	...	Extensive climbing annual.	Blue and pink.	Rainy.	Season.	...	All over the circle.	Probably an escape from cultivation. Seeds—known as kaladáná in vern.—are medicinal.
	<i>Ipomœa muricata, Jacq.</i>	...	Climbing annual.	Pink and white to rose purple.	Do.	...	...	Jhansi.	

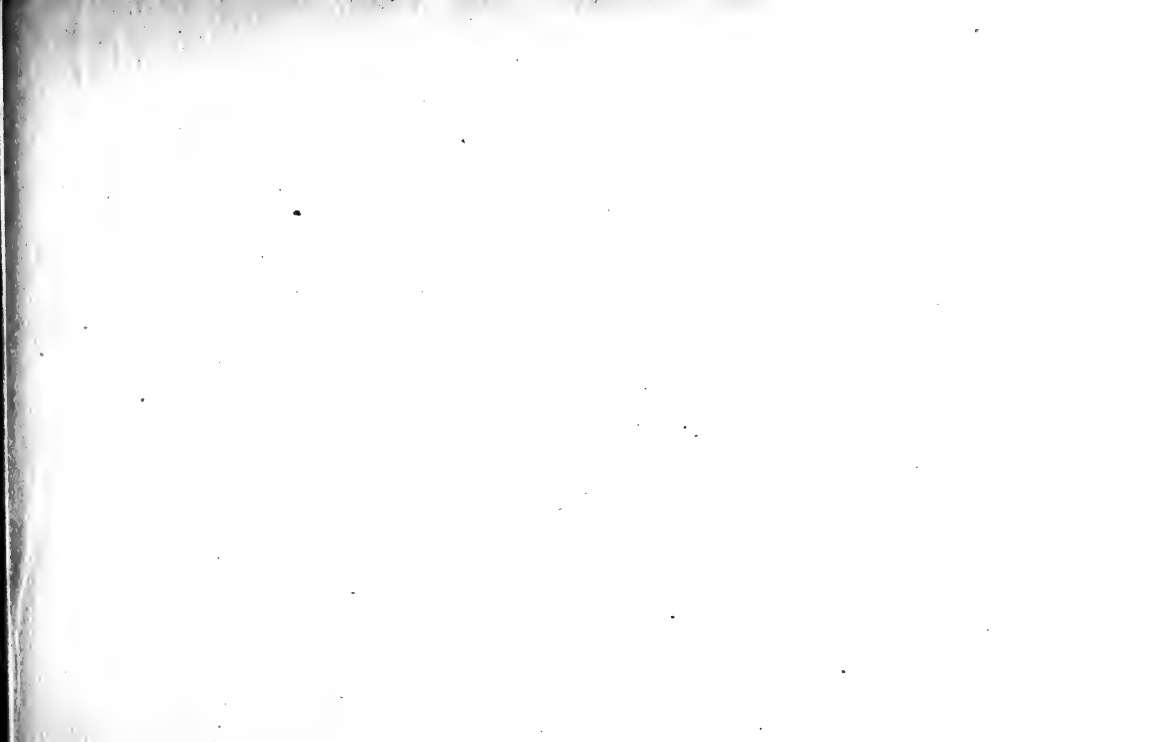
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CONVOL- VULACEÆ— (concl.).	<i>Rivea hypocrateriformis</i> , <i>Chois.</i>	Phang.	Clim- bing shrub.	White.	Rainy season.	Rainy season	...	Jhansi, Banda.	
	<i>Rivea ornata</i> , <i>Chois.</i>	...	Subscan- dent or erect shrub.	Pink- ish white.	Do.	Do.	Ever- green.	Pilibhit, Bah- raich, Kheri.	
	<i>Argyrcia spe- ciosa</i> , <i>Sweet.</i>	...	Woody climber.	Rose.	Rainy season.	Cold season.	Do.	Naturalised within the area of the circle.	Jhansi, Banda, etc.
	<i>Lettsomia Thomsoni</i> , <i>Clarke.</i>	...	Climber.	Rose- pur- ple.	Do.	Do.	Decidu- ous.	Pilibhit, Khe- ri, Bahraich, Gonda, Go- rakhpur,	
	<i>Lettsomia se- tosa</i> , <i>Roeb.</i>	...	Extensive climber.	Rose col- oured.	Oct.- Nov.	Jan.- Feb.	Do.	Jhansi, Pili- bhit.	

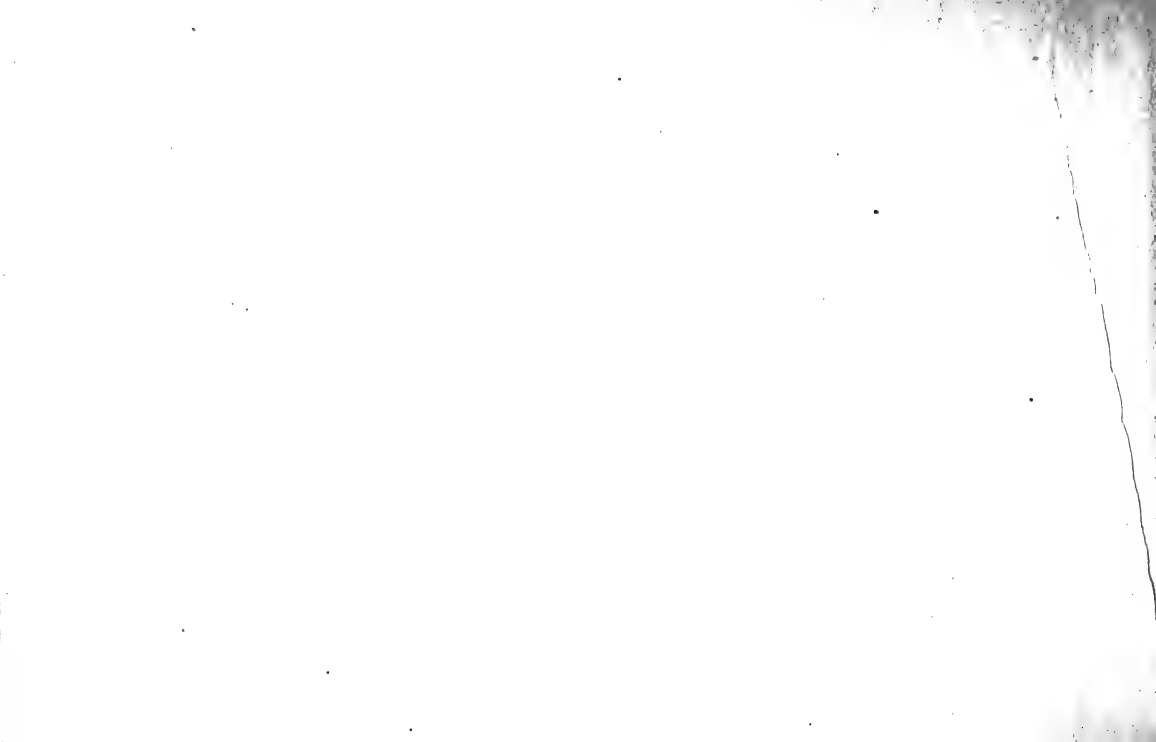




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SOLANA- CEÆ.	<i>Solanum nigrum</i> , <i>Linn.</i>	Makoia.	Annual herb.	White.	Throughout the year.	Throughout the year.	...	An abundant weed of waste lands.	
	<i>Solanum verbascifolium</i> , <i>Linn.</i>	Jhula (P), Bantamakhú (J. Bah.), Bāghmará (Bah.).	Shrub.	Dull white.	Do.	Do.	Ever-green.	Throughout the circle.	
	<i>Solanum Xanthocarpum</i> , <i>Schrad.</i>	Bhat-kateri, Kateriá, Katiá.	Herb.	Purplish blue.	Do.	Do.	Do.	All over the area as a weed in waste lands.	
	<i>Solanum indicum</i> <i>Linn.</i>	Bhat-katiá.	Shrub.	Blue.	Do.	Do.	Herbaceous portions die back	All over the circle and also Etawah.	
	<i>Solanum incanum</i> , <i>Linn.</i>	...	Under-shrub.	Do.	Do.	Do.	Ever-green.	Kheri, Bahraich, Jhansi, Etawah.	
	<i>Withania somnifera</i> , <i>Dunal.</i>	Asgandh, Askand.	Do.	Greenish yellow.	Do.	Do.	Do.	Pilibhit, Kheri, Bahraich, Etawah, Banda.	

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	2	3	4	5	6	7	8	9	10
SOLANACEAE— (concl.).	<i>Datura fastosa</i> , Linn.	Dhatúrá.	Shrub.	Purple white.	Almost throughout the year.		Ever-green.	Naturalised throughout the circle.	
IGNONIA- CEAE.	<i>Oroxylum indicum</i> , Vent.	U'lu, Asár-sou-ná.	Small tree.	Greenish yellow.	May—Aug.	Cold season.	Deciduous.	All over the circle.	
	<i>Tecoma undulata</i> , Seem.	Reorá.	Shrub.	Orange red.	Oct.—April	...	Ever-green.	Jhausi, Banda.	
	<i>Dolichandrone falcata</i> , Seem.	Jáchair.	Medium-sized tree.	White.	Hot season.	Cold season.	Deciduous.	Do.	
	<i>Stereospermum chelonoides</i> , DC.	Chotá pádal.	Do.	Yellow tinged with purple.	April—June.	Dec.	Do.	Gonda, Bahraich.	
	<i>Stereospermum suaveolens</i> , DC.	Pádal.	Large tree.	Greenish purple.	April—May.	Cold season.	Do.	All over the circle.	
	<i>Mellingtonia hortensis</i> , Linn.	Akáanim, Nim-chameli.	Do.	White.	Sep.—Dec.	...	Ever-green.	Planted throughout the area of the circle.	

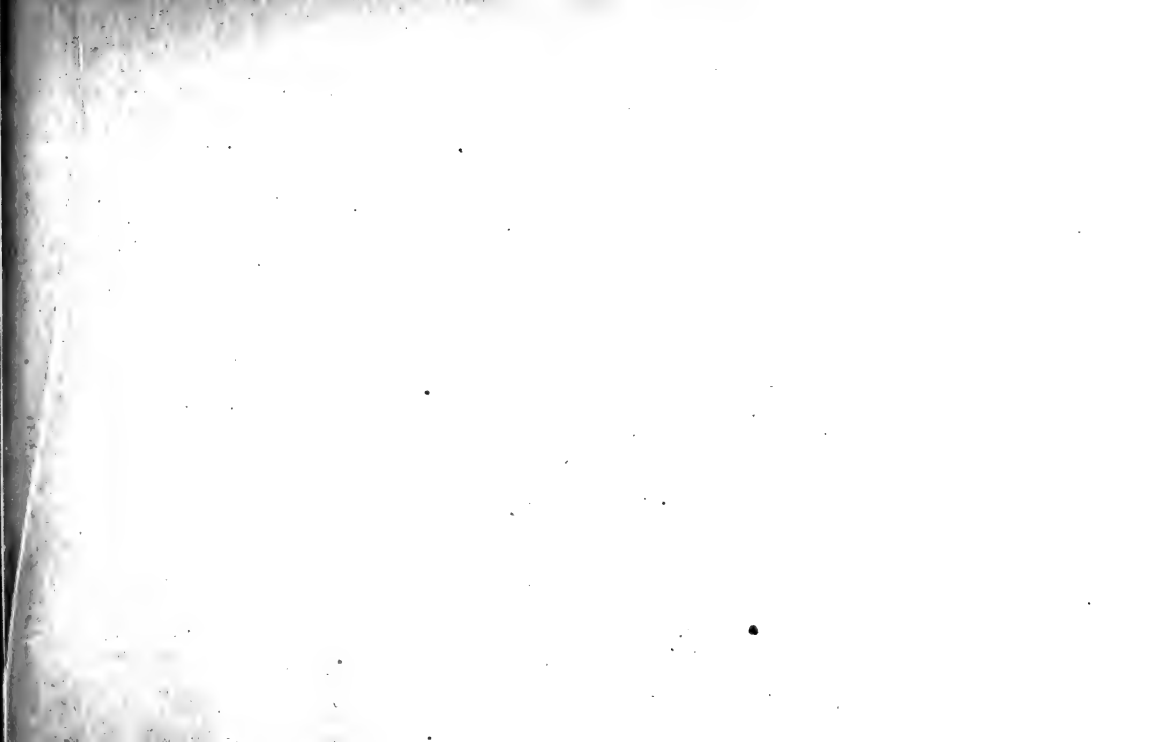


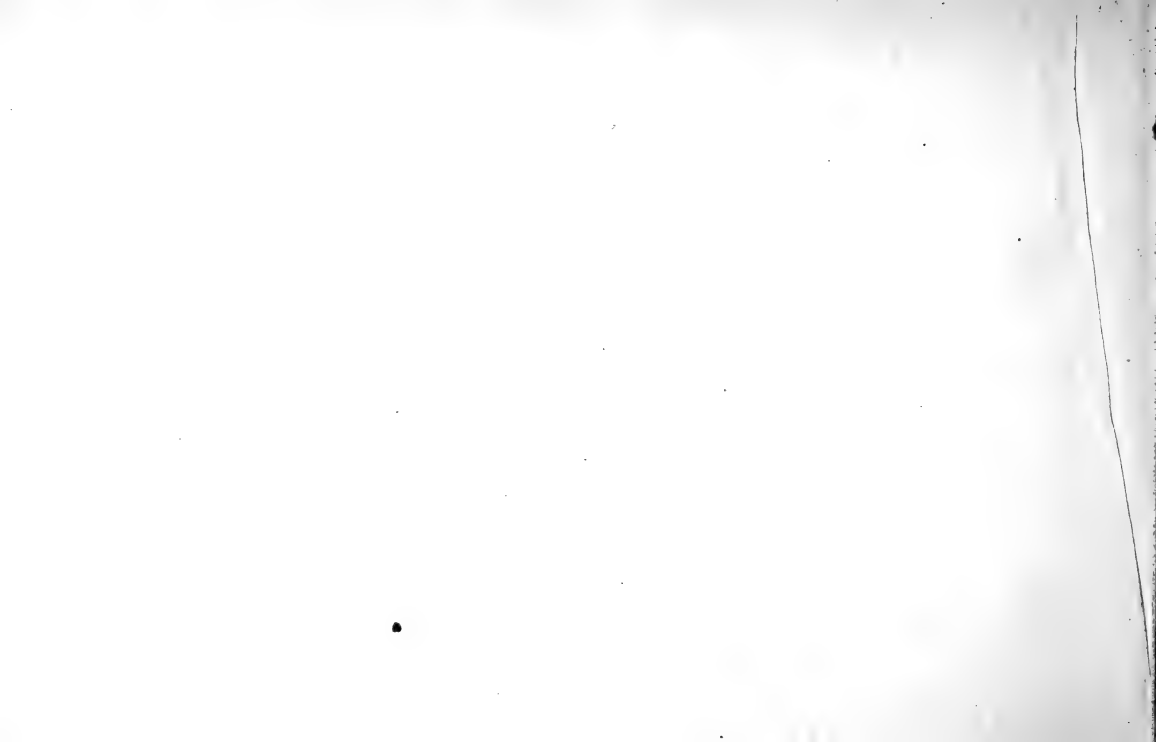




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PEDALACEÆ.	<i>Martynia diandra</i> , <i>Glox.</i>	Bichú.	Tall herb.	Purple mottled with yellow.	Rainy season.	Cold season.	Annual.	Naturalised in waste lands.	The Tiger claw or Devil's claw.
ACANTHACEÆ.	<i>Thunbergia coccinea</i> , <i>Wall.</i>	...	Climbing shrub.	Orange red.	Dec.—April.	Rainy season.	...	Pilibhit-naturalised.	
	<i>Thunbergia grandiflora</i> , <i>Roxb.</i>	...	Do.	Blue and white.	Rainy season.	...	...	Cultivated within the area.	
	<i>Ruellia patula</i> , <i>Jacq.</i>	...	Small shrub.	White.	..	...	...	Banda.	
	<i>Ruellia prostrata</i> , <i>Lamk.</i>	...	Diffuse under-shrub.	Pale-purple.	March.	May.	...	Bahraich Banda and probably all over the circle.	
	<i>Ruellia suffruticosa</i> , <i>Roxb.</i>	..	Under-shrub with woody root stock and fleshy roots.	White.	April—July.	...	Dies back annually.	In fire lines and burnt areas in Pilibhit, Kheri, Bahraich, and Gorakhpur.	

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ACANTHACEÆ— (contd.).	<i>Echmenthera tomentosa</i> , <i>Nees</i> . Var. <i>Wallichii</i>	...	Woody shrub.	Pale blue.	Feb.- March.	May.	Deciduous.	Gonda, Bahraich.	Older branches felted with woolly hairs.
	<i>Petalidium barlerioides</i> , <i>Nees</i> .	...	Small shrub.	Yellowish white.	Feb.— June.	June— July.	Do.	All over the circle.	
	<i>Dædalacanthus nervosus</i> , <i>T. Anders.</i>	...	Under-shrub.	Blue.	Feb.— May.	April— June.	Evergreen.	Gonda, Gorakhpur, Pilibhit, Kheri, Bahraich.	
	<i>Dædalacanthus purpurascens</i> , <i>T. Anders.</i>	...	Do.	Purple.	Jan. — March.	...	...	Kheri, Gonda, Bahraich, Gorakhpur, Banda, Jhansi.	
	<i>Strobilanthes angustifrons</i> , <i>Clarke</i> .	...	Do.	Bluish purple.	Jan.— May.	...	Evergreen.	Gonda.	
	<i>Phlogacanthus thyrsiflorus</i> , <i>Nees</i> .	...	Shrub.	Orange-red.	Feb.— April.	May— June.	Do.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	In moist shady localities.

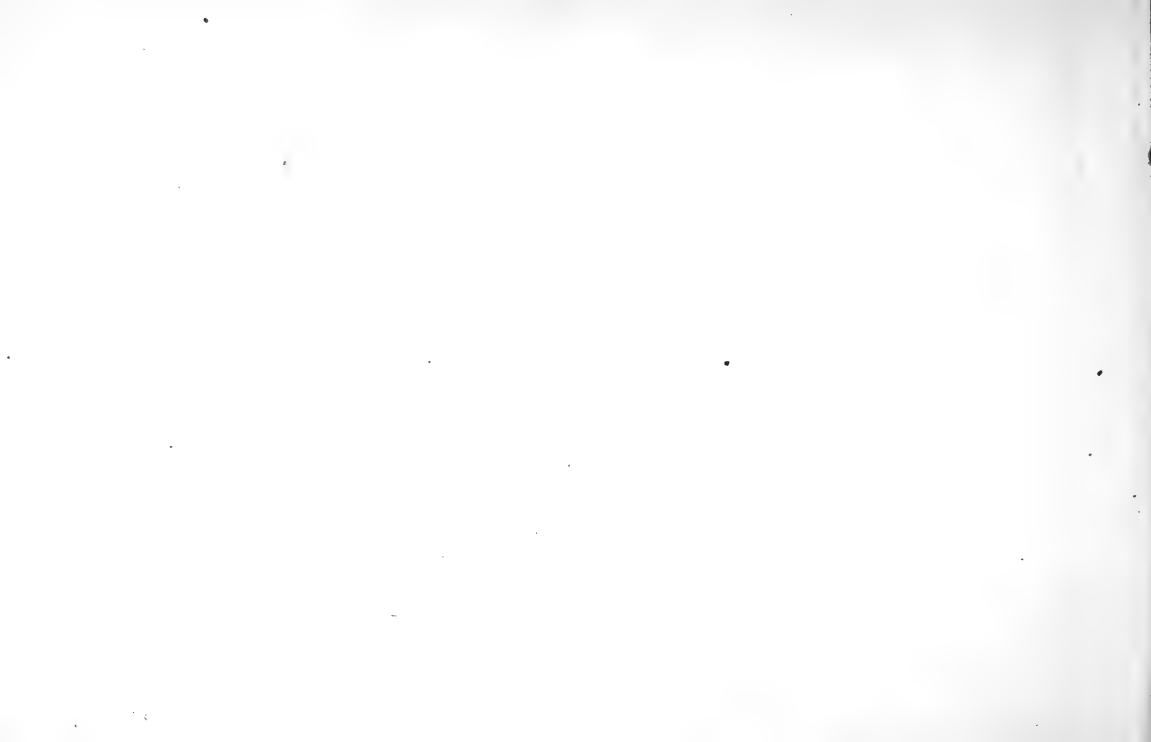




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NTHA- EÆ— vtd.).	<i>Barleria Prionitis</i> , Linn.	...	Under-shrub.	Orange-yellow.	Oct.— Jan.	Dec.— Jan.	Deciduous.	Babraich Jhansi, Banda.	Spiny at the axils
	<i>Barleria cristata</i> , Linn.	...	Under-shrub.	Purple.	May— Oct.	Dec.— April.	Sub-deciduous.	All over the circle.	
	<i>Barleria strigosa</i> , Willd.	...	Do.	Blue.	Oct.— Dec.	Dec.— Jan.	Ever-green.	Kheri, Jhansi, Banda Bahraich probably all over the circle.	
	<i>Lepidagathis cuspidata</i> , Nees.	...	Do.	Yellowish white streaked with purple.	March— May.	June.	Do.	Bahraich.	
	<i>Adhatoda Vasica</i> , Nees. Syn. <i>Justicia Adhatoda</i> , Linn.	Arusá, Rúsá, Bánsá.	Shrub.	White streaked with purple.	Oct.— May.	Feb.— May.	Do.	All over the circle, often gregarious.	

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ACANTHACEÆ— (concl'd.).	<i>Justicia Gendarussa</i> , <i>Linu. f.</i>	...	Under-shrub.	White mottled with pink.	Nov.—April.	Nov—April.	Ever-green.	Kheri, Gorakhpur as escapes from cultivation.	
	<i>Peristrophe bicalyculata</i> , <i>Nees.</i>	Gobra.	Annual herb.	Purple.	End of rainy season and cold season.		...	Abundant within the area in loose soils.	
	<i>Dicliptera Roxburghiana</i> , <i>Nees.</i>	...	Under-shrub or perennial herb.	Pink.	Oct.	June	...	All over the area.	
VERBENACEÆ.	<i>Lantana indica</i> , <i>Roxb.</i>	...	Shrub.	White yellow-red.	Throughout the year.		Ever-green.	All over the circle also Etawah.	
	<i>Lantana camara</i> , <i>Linu.</i>	...	Shrub.	Yellow orange pink and red.		Do	Subdeciduous.	Jhansi, (naturalized).	Naturalized in many other parts of the province.







Family.	Genus and species.	Vernacular name.	•Habit. of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
VERBENA- CÆ— (contd.).	Lippia nodiflora, Rich.	...	Perennial herb.	Pink.	Greater part of the year.		Subdeciduous.	In moist places, (e. g. river banks) all over the circle.	
	Callicarpa arborea, Roxb.	Dayá.	Small tree.	Purple.	April—June.	Aug.—Jan.	Do.	Pilibhit, Kheri Gonda, Gorakhpur, Bahraich.	
	Callicarpa macrophylla, Vahl.	Motiá (P).	Shrub.	Do.	March—Nov.	Cold season.	Do.	Throughout the area.	
	Tectona grandis, Linn.	Ságón, Sádón.	Large tree.	Dull white.	July—Aug.	Nov.—Dec.	Deciduous.	Jhansi, Banda; planted and naturalised in Gorakhpur.	
	Gmelina arborea, Roxb.	Kamhár.	Medium-sized tree.	Yellow and brown.	Feb.—May.	May—June.	Do.	All over the circle.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
VERBENA- CEÆ— (contd.).	<i>Premna mucronata</i> , Roxb.	Augná (K., Gaiyári (P., K., Pah., Gon.) Nágrá, (Gor.).	Small-medium-sized tree.	Greenish white.	April— June.	June— July.	Deciduous	All over the circle.	
	<i>Premna barbata</i> , Wall.	...	Small tree.	White.	April— May.	Do.	Do.	Do.	Fruits persist long after maturity.
	<i>Premna coriacea</i> , Clarke.	...	Scandent shrub.	Do.	April.	May.	...	Gorakhpur (Nichlaul).	
	<i>Premna herbacea</i> , Roxb.	...	Annual from a woody root stock	Do.	March— June.	June.	...	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	
	<i>Vitex Negundo</i> , Linn.	Nisendá, Sum- bhálu.	Shrub or small tree.	Blue.	Most part of the year specially April— June.	Most part of the year.	Evergreen.	All over the circle.	
<i>Clerodendron phlomoides</i> , Linn. f.	Ini, Eni.	Do.	Pinkish white.	Most part of the year.	Do.	Jhansi, Etawah, Pilibhit, Bahraich, Banda.			

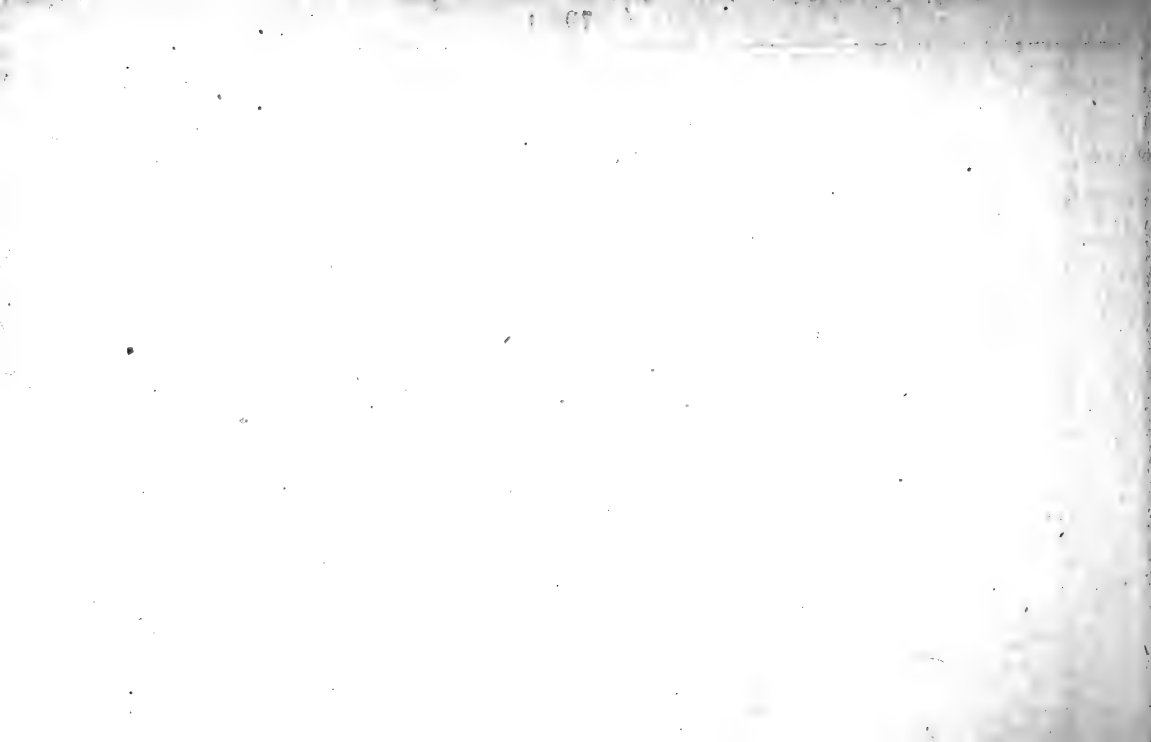




Fam .	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
ERBENA- B.— Mtd.).	Clerodendron serratum, Spreng.	Chailbarang.	Shrub.	Blue purple or blue white.	April—Aug.	June—Nov.	Evergreen.	Jhansi, Pilibhit, Gonda, Bahraich.	
	Clerodendron infortunatum, Linn.	Bhant.	Under-shrub.	White and pink.	Nov.—June.	May—July.	Deciduous.	All over the circle.	
	Clerodendron Siphonanthus, Br.	...	Shrub.	White and cream.	June—Oct.	Sep.—Jan.	Evergreen.	All over the circle.	
	Holmskioldia sanguinea, Retz.	...	Straggling shrub.	Crimson.	Octr.—Jan.	Cold season.	Deciduous.	Gonda, Bahraich.	
	Caryopteris Wallichiana, Schauer.	...	Erect shrub.	Purple and blue.	Jan.—June.	Jan.—June.	Evergreen.	Pilibhit, Bahraich, Gonda, Gorakhpur, also probably Kheri.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks
1	2		4	5	6	7	8	9	10
VERBENA- CEÆ— (concl.)	<i>Duranta Plumieri, Jacq</i>	Nil-kantá.	Spreading shrub.	Blue and white.	Rainy season.	Rainy season.	Ever-green.	Cultivated within the area commonly as a hedge plant (introduced).	
LABIATÆ.	<i>Ocimum sanctum, Linn.</i>	Táisi.	Under-shrub.	Pale pink.	Hot and rainy season	Sep.-Oct.	Dies back annually.	Naturalised in Jhansi.	
	<i>Ocimum basilicum, Linn.</i>	Kali-tals .	Herbaceous.	Purple.	Greater part of the year.	Greater part of the year.	...	Kheri, Gorakhpur.	
	<i>Orthosiphon pallidus, Royle.</i>	...	Annual from a woody root-stock.	White and pink.	April-May.	Rainy season.	...	Bahraich (Kakardari) (Duthie's collection.)	
	<i>Orthosiphon rubicundus Benth.</i>	Serwári (Bah.)	Do.	White and purple.	April—July.	Do.	Dies back annually.	All over the circle in fire traces and grass lands.	

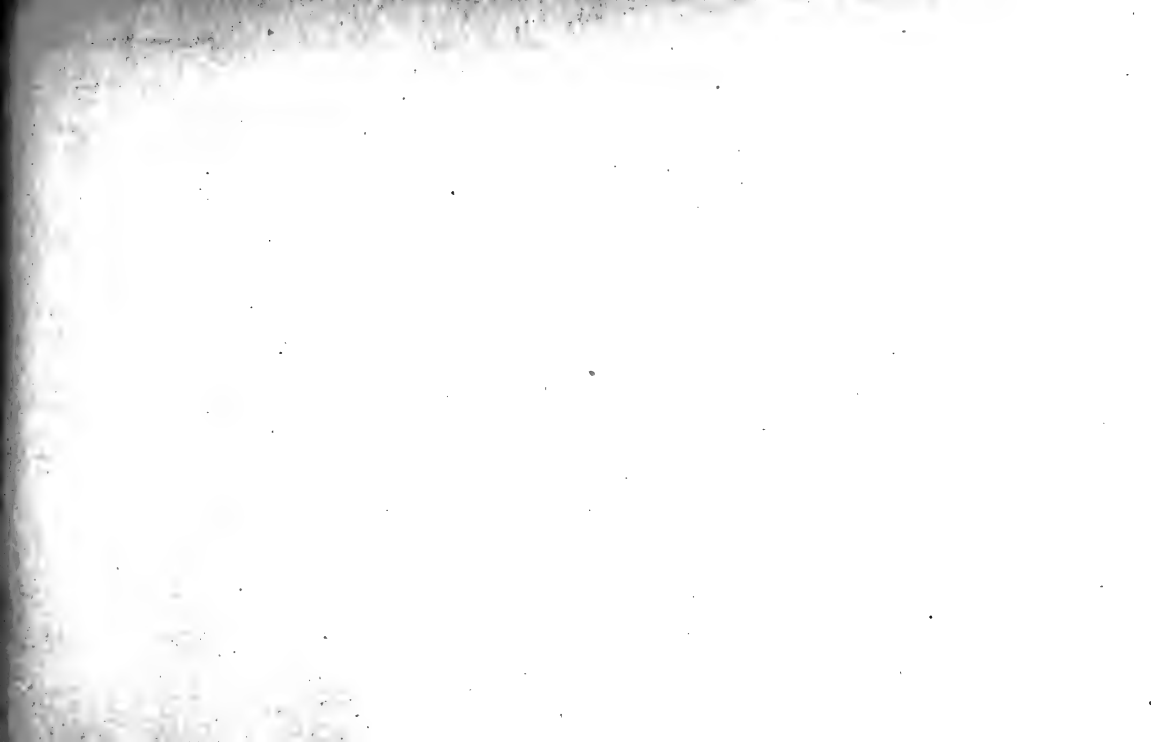






Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Localities by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LABIATÆ— ( <i>concid.</i> )	<i>Plectranthus ternifolius</i> , <i>D. Don.</i>	...	Tall herb.	Blue.	Sep.— Nov.	Cold season.	...	Pirelines, in Pilibhit, Kheri.	
	<i>Pogostemon plectranthoides</i> , <i>Desf.</i>	...	Spreading shrub.	Pink.	Greater part of the year specially Feb.— Oct.	Greater part of the year.	Ever-green.	All over the circle often gregarious.	
	<i>Colebrookia oppositifolia</i> , <i>Sm.</i>	Chaurá.	Under-shrub.	Dull white.	Nov.— March.	March— April.	Sub-deciduous.	Pilibhit, Kheri, Gonda, Bahraich, Gorakhpur—common.	
	<i>Anisomeles ovata</i> , <i>R. Br.</i>	...	Tall annual.	Purple and blue.	Oct.— Nov.	Oct.— Nov.	...	All over the circle.	
	<i>Leonotis nepetifolia</i> , <i>R. Br.</i>	Katilwá.	Do.	Orange.	Do.	Cold season.	...	Bahraich, Banda, Jhansi.	Doubtfully wild; often naturalized within the circle from cultivation.
NYCTAGINACEÆ.	<i>Boerhaavia diffusa</i> , <i>Linn.</i>	Pnnarnavá.	Under-shrub or herb.	Purple.	Rainy season.	Do.	...	An abundant weed in waste lands.	

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NYCTAGINACEÆ— ( <i>concl.</i> ).	Bougainvillea spectabilis, Willd.	...	Extensive climber.	Purple,* magenta or brick-red.	Mainly winter, but also in other parts of the year	...	Evergreen	Cultivated.	* Colour of the bracts.
AMARANTACEÆ.	Deeringia colosioides Br.	Lalmuniá.	Straggling shrub.	Greenish white.	June—Oct.	Oct.—Dec.	Deciduous	Pilibhit, Kheri, Bahraich, Gonda.	Flowers also in the cold season.
	Ærua tomentosa, Forsk.	...	Under-shrub.	Do.	Cold season.	April—May.	...	Bahraich. Jhansi, Etawah.	
	Ærua scandens, Wall.	...	Sub-scandent under-shrub.	Do.	All the year round.	All the year round.	Dies back annually.	All over the circle.	
	Ærua lanata, Juss.	..	Under-shrub.	Do.	Do.	Do.	...	Bahraich Bundelkhand; and also Jamua ravines.	
	Achyranthes aspera Linn	Chit-chitá.	Herbaceous annual	Greenish	Oct.—Jan.	Cold season.	...	All over the area also Etawah.	Fruits stick on to clothes by stiff straight bristles.

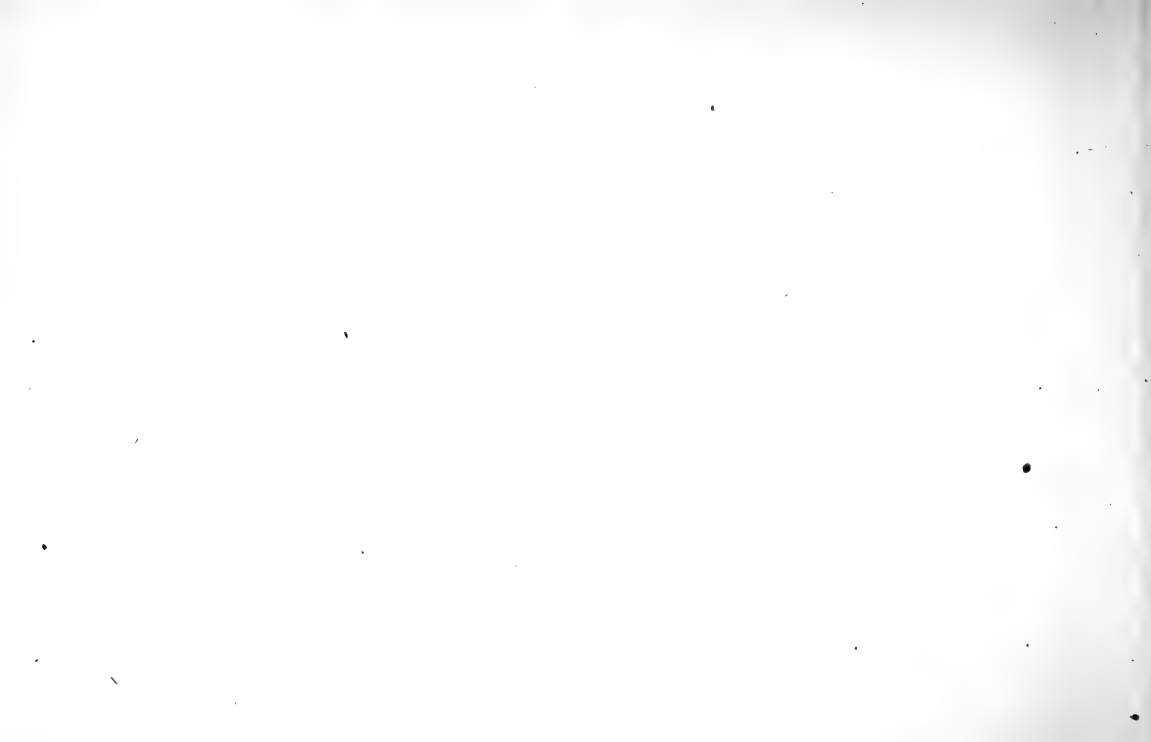




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1	2	3	4	5	6	7	8	9	10
AMARANTACEÆ— (conold).	<i>Pupalia lappa- cea, Juss.</i>	...	Annual herb.	Greenish white.	Rains.	Cold season.	...	Bahraich, Jhansi, Etawah, probably throughout the circle.	Fruits stick on to clothes by barbed bristles.
PIPERACEÆ.	<i>Piper longum, Linn</i>	Pipal, Piprá-múr.	Annual with woody rhizome.	Green.	Rainy season.	Jan—April.	...	Gorakhpur; probably in most places elsewhere also.	
LAURACEÆ.	<i>Beilschmiedia Roxburghiana, Nees.</i>	...	Medium sized to large tree.	White.	March—May.	May—June.	Sub-deciduous.	Bahraich, Gonda, Gorakhpur (rare).*	*Kanjilal's Gorakhpur specimen is Var. Dalzellii.
	<i>Machilus Gamblei, King.</i>	...	Medium sized tree.	Do.	Feb.—March.	May	Evergreen.	Pilibhit.	
	<i>Phæbe lanceolata, Nees.</i>	...	Small tree.	Do.	Feb.—June.	Rainy season.	Do.	Kheri, Gonda, Bahraich, Gorakhpur.	
	<i>Litsea sebifera, Pers.</i>	Maidá, Medh.	Medium sized tree.	Greyish green.	Do.	Cold season.	Sub-deciduous.	All over the circle.	
	<i>Litsea polyantha, Juss.</i>	...	Do.	Green.	Jan.—May.	June—July.	Do.	Ditto.	
ELÆAGNACEÆ.	<i>Elæagnus latifolia, Linn.</i>	..	Shrub.	Light yellow.	Nov.—Feb.	Hot season.	Evergreen.	Pilibhit, Kheri, Gorakhpur.	

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1	2	3	4	5	6	7	8	9	10
LOBANTH- CEÆ.	<i>Loranthus Scarrula</i> , <i>Lin.</i>	Bandá.	Woody parasite.	Green.	Cold season.	...	Ever- green.	Pilibhit, Gonda, Gorakhpur, Bahraich.	
	<i>Loranthus longiflorus</i> , <i>Desv.</i>	Do.	Do.	Orange.	Through- out the year.	Through- out the year.	Do.	All over the circle.	
	<i>Loranthus cordifolius</i> , <i>Wall.</i>	...	Do.	Buff.	Dec.— April.	Rainy season.	Do.	Bahraich.	
	<i>Viscum monoi- cum</i> , <i>Roeb</i>	Bisbandá.	Parasitic shrub.	Green.	March— May.	Sep.— Nov.	Do.	Gonda, Gorakh- pur, Bahraich*	* According to Du- sthe Kheri also.
	<i>Viscum articu- latum</i> , <i>Burm</i>	...	Woody leafless parasite.	Do.	March— Oct.	March— Oct.	Do.	Gonda, Gorakh- pur, Jhansi.	
SANTALA- CEÆ,	<i>Santalum al- bum</i> , <i>Lin.</i>	Chandan.	Small tree.	Do.	...	...	...	Planted—Pill- bhit, Kheri, Jhansi.	







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1	2	3	4	5	6	7	8	9	10
EUPHORBIA- ACEÆ.	<i>Euphorbia nerifolia</i> , <i>Linn.</i>	Senhúr, Thór.	Small tree or shrub.	Green.	Hot season.	...	Deciduous.	Jhansi, Gonda, Banda.	
	<i>Euphorbia ligularia</i> , <i>Roxb.</i>	Senhúr.	Do.	Do.	Do.	...	Do.	Jhansi, naturalised.	
	<i>Euphorbia acaulis</i> , <i>Roxb.</i>	Ban muriá.	Herb with perennial thickened root.	Yellowish green.	March—May.	June—July.	...	Firelines and burnt areas in Pilibhit, Kheri, Gonda, Bahraich and Gorakhpur.	
	<i>Bischofia javanica</i> , <i>Blume.</i>	Mirchá.	Large tree.	Green.	March—April.	Cold season.	Sub-deciduous.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	In moist ground.
	<i>Bridella retusa</i> , <i>Spreng.</i>	Khájá	Small to medium-sized tree.	Do.	April—June also Oct.-* Nov.	Oct.—Jan.	Do.	All over the circle.	*A second flush?

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UPHORBIACEÆ— (contd.).	<i>Bridella montana</i> , Willd.	...	Small medium-sized tree.	Green.	April—June also Oct., Nov.	Cold season.	Ever-green.	Gonda, Bahraich.	
	<i>Bridella stipularis</i> , Blume.	Kháji Madhá-latá (Gon).	Strag-gling extensive shrub.	...	April—Oct.	Dec.—March.	Do.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	Fruits persist for sometime after maturity.
	<i>Glochidion multiloculare</i> , Voigt.	...	Shrub.	Yellowish green.	Greater part of the year but flowers mainly April—Oct., fruits—Dec.—May.		Do.	Pilibhit, Kheri, Gonda, Gorakhpur, Bahraich.	
	<i>Glochidion assamicum</i> , Hk. f. ?	...	Shrub-small tree.	Green.	Greater part of the year.		Do.	All over the circle in swamps.	
	<i>Glochidion velutinum</i> , Wight.	...	Shrub-small tree.	Yellowish green.	Feb.—June.	July—Aug.	Do.	All over the circle.	





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EUPHORBIA- CEÆ— (contd.).	<i>Fluggea microcarpa, Bl.</i>	Beri.	Straggling or small sub shr tree.	Green.	April—July.	May—Nov.	Sub-deciduous.	All over the circle.	
	<i>Fluggea Leucopyrus, Wild.</i>	...	Shrub.	Do.	...	...	...	Gorakhpur (Duthie)	
	<i>Breynia rhamnoides, Muell.</i>	Sikati ; bari sikati.	Spreading shrub or tree.	Do.	Most part of the year.	...	Evergreen.	Pilibhit, Gorakhpur, and all Oudh Divisions, Jhansi.	
	<i>Sauropus quadrangularis, Muell.</i>	...	Shrub.	Do.	Greater part of the year.	...	Do.	Gonda (Gurhui Forests).	
	<i>Phyllanthus reticulatus, Poir.</i>	...	Do.	Do.	Do.	...	Do.	Gonda, Bahraich, Kheri, Gorakhpur, Jhansi.	
	<i>Phyllanthus Emblica, Linn.</i>	Aonla.	Medium-sized tree.	Yellowish green.	March—May.	Dec.—April.	Deciduous.	All over the circle.	

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EUPHORBACEÆ— (contd.).	<i>Phyllanthus simplex</i> , <i>Retz.</i>	...	Under-shrub or perennial herb.	Green.	Rainy-season.	...	...	Pilibhit, Gonda, Bahraich, Jhansi.	
	<i>Putranjiva Roxburghii</i> , <i>Wall.</i>	Patjú	Medium-sized to large tree.	Yellow	March—May.	Cold season.	Ever-green.	Pilibhit, Gorakhpur and all the Oudh Divisions.	Shady forests and vicinity of swamps.
	<i>Antidesma Ghæsemblia</i> , <i>Gærtn.</i>	Banmasúriá.	Shrub to small tree.	Greenish yellow.	Feb.—May.	Do.	Deciduous.	All over the circle.	
	<i>Antidesma diandrum</i> , <i>Roth.</i>	Banmasúriá.	Shrub.	Green.	March—June.	Do.	Do.	Do.	
	<i>Aporosa Roxburghii</i> , <i>Boisl.</i>	...	Small tree.	Yellowish green.	April.	June.	Ever-green.	Gorakhpur (Domakhand); rare.	
	<i>Croton oblongifolius</i> , <i>Roeb.</i>	Lapkan.	Do.	Do.	Jan.—Feb.	April.	Deciduous.	Kheri, Bahraich, Gonda, Gorakhpur.	



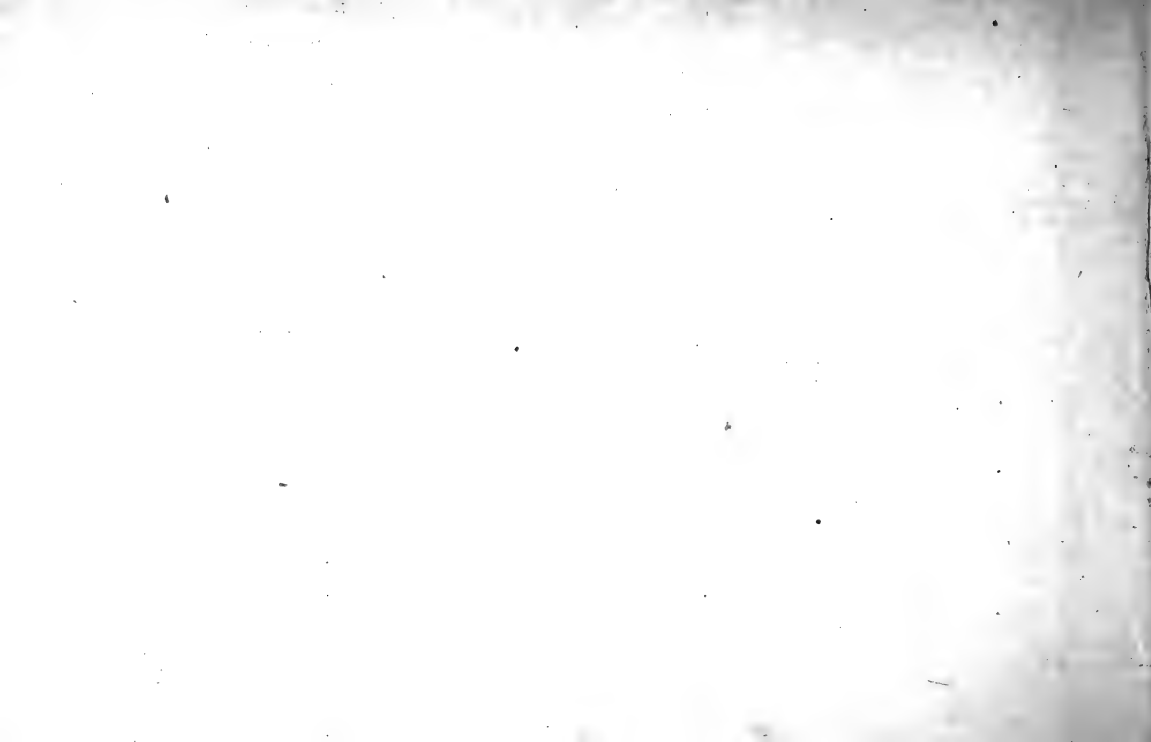




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EUPHORBIA- ACEÆ— (contd.)	<i>Baliospermum axillare</i> , <i>Blume.</i>	...	Under- shrub.	Green.	Most part of the year.	...	Sub-deci- duous.	All over the circle in shady moist places, often gregari- ous.	
	<i>Trewia nudiflora</i> , <i>Linn.</i>	...	Medium- sized tree.	Green- ish yellow.	Jan.— April.	Cold season.	Decidu- ous.	Pilibhit, Go- rakhpur, and all the Oudh Divisions.	Generally near water.
	<i>Mallotus philippinensis</i> , <i>Muell.</i>	...	Small tree.	Yellow- ish green.	Sept.— Nov.—	Feb.— May.	Ever- green.	All over the circle: abund- ant.	
	<i>Mallotus repandus</i> , <i>Muell.</i>	...	Scandent shrub.	Green.	Most part of the year.	...	...	Gorakhpur— (Domakhand).	
	<i>Homonola riparia</i> <i>Lour.</i>	...	Shrub.	Do.	...	...	...	Bundelkhand.	Recorded by Duthie.
	<i>Ricinus communis</i> , <i>Linn.</i>	Arand.	Shrub or tall annual.	Yellow and green.	Do. ...	...	...	Occasionally naturalised in waste-lands.	
	<i>Tragia involucrata</i> , <i>Linn.</i>	Bichu.	Slender climber or under- shrub with woody base.	Green.	Dec.— Mar.	...	...	Gorakhpur, Bahraich. Kheri.	Covered with sting- ing hairs.

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EUPHORBACEÆ— (concl'd.)	<i>Tragia cannabina</i> , Linn, f.	...	Herbaceous climber.	Green.	Dec.—March.	...	...	Banda (Lalitpur) Etawah and ravine lands in the Afforestation Division. Gonda.	Covered with stinging hairs.
	<i>Sapium insignne</i> , Trinan.	...	Medium-sized tree.	Do.	Jan.—March.	Hot season.	Deciduous.		
	<i>Sapium seiferum</i> , Roeb.	...	Small tree.	Yellowish green.	April—July.	Cold season.	Do.	Naturalised in Pilibhit, Kheri, and Gonda.	
	<i>Jatropha Curcas</i> , Linn.	Safed arand.	Shrub.	Do.	Throughout the year but principally May—Oct.	Most part of the year.	Do.	Naturalised all over the circle.	
	<i>Jatropha gossypifolia</i> , Linn.	Lál-arand.	Do.	Red.	May—Sep.	...	Do.	Naturalised and run wild all over the circle.	





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URTICACE-Æ.	<i>Holoptelea integrifolia</i> , <i>Planch.</i>	Bisendá (Bah.), Kari (K), Chiról (J), Dháminá (Gon).	Middle-sized tree.	Green.	Feb.—April.	May—July.	Deciduous.	All over the circle.	
	<i>Celtis tetrandera</i> , <i>Roxb.</i>	...	Large tree.	Greenish brown.	Feb.—May.	June—Sept.	Do.	Pilibhit, Gorakhpur and all Oudh Divisions, Banda, Jhansi.	
	<i>Trema orientalis</i> , <i>Blume.</i>	Chikásá.	Small tree.	Green.	Most part of the year.	...	Evergreen.	Gorakhpur; Bahraich.	
	<i>Trema politoria</i> , <i>Planch.</i>	Binóná, Bahariá.	Do.	Do.	April—June.	Oct.—March.	Do.	All over the circle.	
	<i>Cannabis sativa</i> , <i>Linn.</i>	Bhang.	Tall annual.	Do.	Mar.	Oct.	...	All over the circle in waste lands.	
	<i>Bœhmeria platyphylla</i> , <i>Don.</i>	...	Spreading tall shrub.	Greenish white.	Aug.—Sep.	Do.	Evergreen.	Pilibhit, Gonda, Banda.	

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URTICA- CÆ— (contd.)	Debregeasia velutina, <i>Gaud.</i>	...	Shrub.	Green.	Rainy season.	Cold season.	Evergren.	Pilibhit, Kheri.	
	Morus indica, <i>Linn.</i>	...	Shrub or small tree.	Do.	Feb.- March.	April- May.	Decidu- ous.	Cultivated; na- turalised in Kheri and Gorakhpur.	
	Morus lævig- ata, <i>Wall.</i>	Tát.	Large tree.	Do.	Do.	April— June.	Do.	Cultivated, sometimes ap- parently na- turalised.	Long-fruited.
	Morus alba, <i>Linn.</i>	Do.	Small medium- sized tree.	Do.	Do.	Do.	Do.	Cultivated.	Short white or red fruited mulberry commonest of the mulberries in the circle.
	Broussonettia, papyrifera, <i>Vent.</i>	...	Small medium- sized tree.	Pur- plish green.	March.	Rainy season.	Do.	Naturalised in Gorakhpur.	
	Streblus asper, <i>Lowe.</i>	Shór.	Shrub or small tree.	Yellow- ish green.	Jan.— March.	May— July.	Ever- green.	All over the circle.	

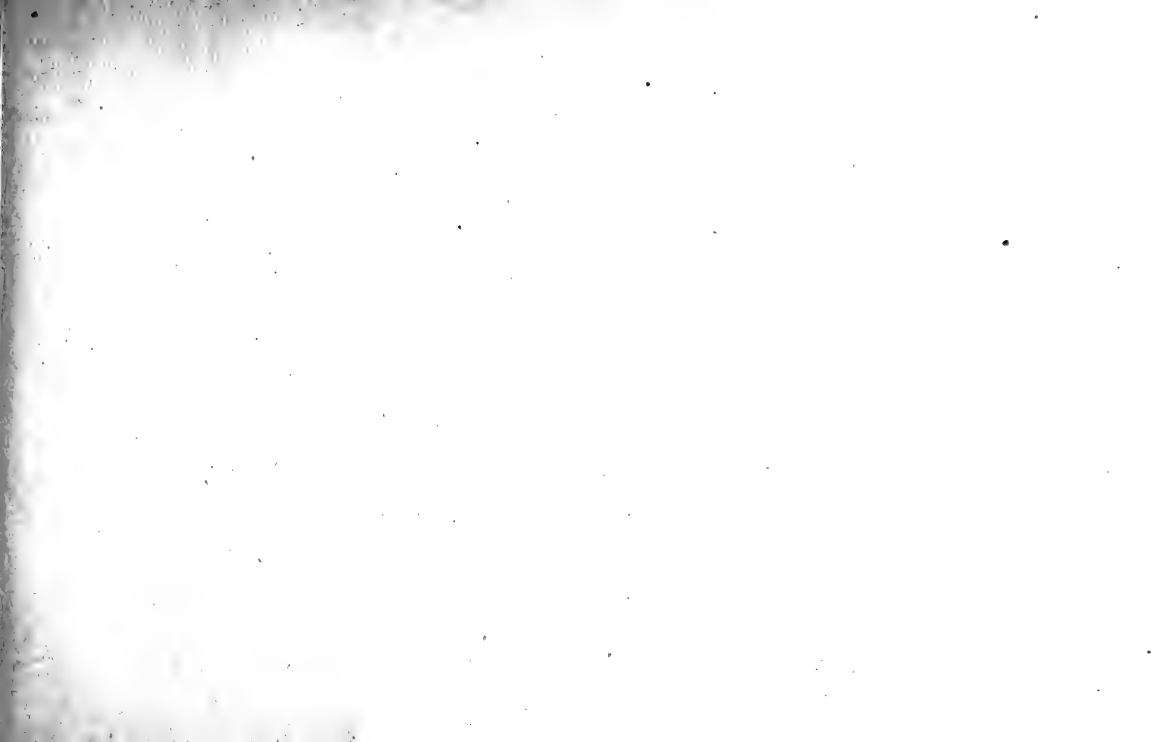






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1	2	3	4	5	6	7	8	9	10
URTICA- CÆ.— (contd.)	<i>Cudrania javanensis</i> , <i>Trecul.</i>	...	Scandent spiny shrub.	Green.	April— June.	Aug.— Nov.	Ever- green.	Pilibhit, Go- rakhpur Bahraich,	
	<i>Artocarpus Lakoocha</i> , <i>Roeb.</i>	Barhal ; dhco	Large tree.	Yellow.	Hot season.	Hot season.	Deciduous	Gonda, Kheri, Pilibhit, Bah- raich, Gorakh- pur in swampy ground ; plan- ted all over the circle.	Flowers also in July, and Sep- tember and also as late as November.
	<i>Artocarpus</i> , <i>integrifolia</i> , <i>Linn. f.</i>	Kathal,	Do.	Do.	Jan.— May.	Rainy season.	Evergreen	Cultivated.	The jack fruit.
	<i>Ficus gibbosa</i> , <i>Blume</i> var. <i>parasitiaca</i> , <i>King.</i>	...	Straggl- ing epi- phyte.	...	...	Jan.— March.	Ever- green.	Bundelkhand* Bahraich.	* Duthie.
	<i>Ficus benghal- ensis</i> , <i>Linn.</i>	Bar, bargat.	Large tree.	...	...	April— July.	Deciduous	All over the circle.	Epiphytic in early life.
<i>Ficus tomen- tosa</i> , <i>Roeb.</i>	Kath bar.	Large tree.	...	...	Hot season.	Ever- green.	Jhansi, Banda.	Do.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICA- CÆE— (contd.)	<i>Ficus retusa</i> , <i>Roxb.</i>	...	Medium to large-sized tree.	...	...	Jan.—April.	Evergreen.	All over the circle but not common.	Epiphytic in early life.
	<i>Ficus religiosa</i> , <i>Linn.</i>	Pipal.	Large tree.	...	...	March—June.	Deciduous.	All over the circle.	Do.
	<i>Ficus Arnottiana</i> , <i>Roxb.</i>	Kathpipal.	Small tree.	...	...	Do.	Do.	Jhansi, Gonda, Banda.	Do.
	<i>Ficus Rumphii</i> , <i>Blume.</i>	Paras pipal (Gon). Gajhar.	Large tree.	...	...	March—July.	Do.	Pilibhit, Gorakhpur and all Oudh Divisions.	Do.
	<i>Ficus Benjamina</i> , <i>Linn.</i>	...	Do.	...	...	Jan.—May.	Evergreen.	Kheri, Gonda, Gorakhpur.	Not epiphytic, also planted in gardens. Leaves with fine parallel veins.
	<i>Ficus infectoria</i> , <i>Roxb.</i>	Pákar.	...	...	...	Dec.—July.	Deciduous.	All over the circle, generally near villages.	Epiphytic.

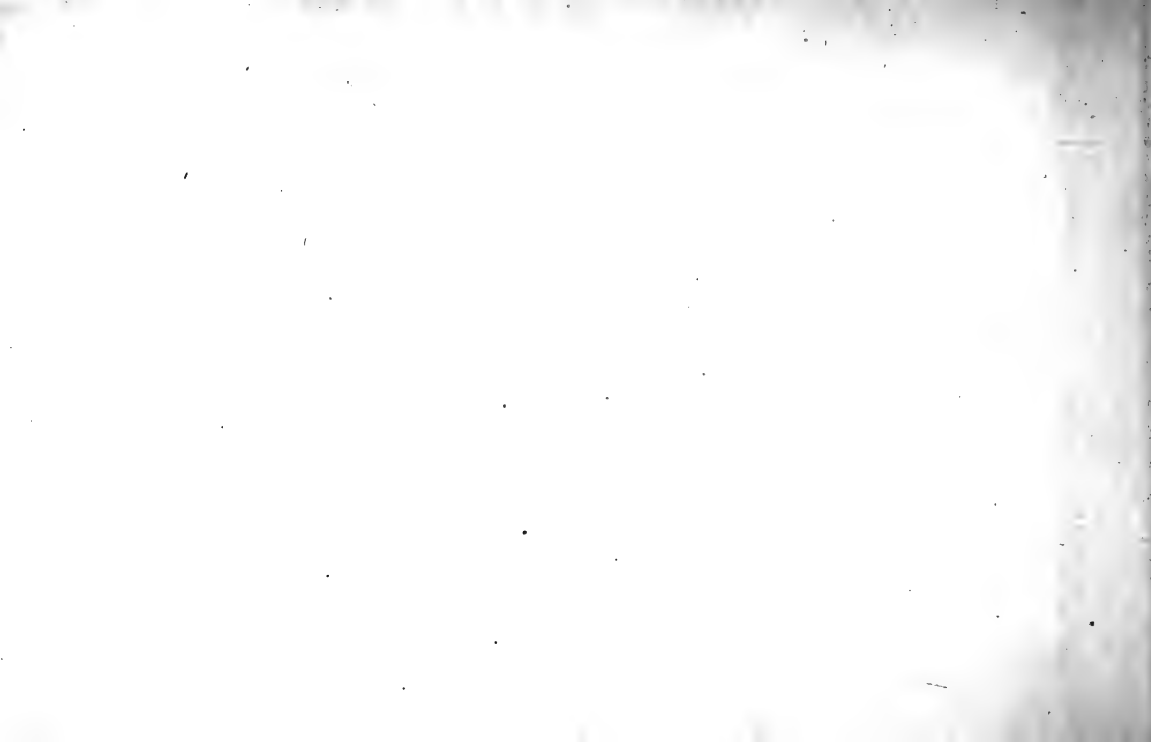




Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
FETICA- CEÆ— (contd.)	<i>Ficus heterophylla</i> , <i>Linna.</i>	...	Sub-erect creeping shrub.	...	...	Nov.	...	Pilibhit, Gorakhpur, and all Oudh divisions near water.	Not epiphytic.
	<i>Ficus hispida</i> , <i>Linna. f.</i>	Kat gulari.	Small tree.	...	Most part of the year.	...	Ever-green.	All over the circle.	Do.
	<i>Ficus Cunia</i> , <i>Buch-Ham.</i>	Khurúr.	Medium-sized tree.	...	Do.	..	Do.	Do.	Do.
	<i>Ficus scandens</i> , <i>Roxb.</i>	...	Climbing shrub.	...	Hot season.	Rainy season.	Do.	Pilibhit, Bahraich.	Do.
	<i>Ficus palmata</i> , <i>Forst.</i>	Anjir	Small tree or shrub.	...	March—June (3).	June—Oct.	Do.	All over the circle; generally near villages.	Do.
	<i>Ficus Roxburghii</i> , <i>Wall.</i>	...	Low tree.	...	...	April—June.	Do.	Bahgaich.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
URTICA- CEÆ— ( <i>concl.</i> )	<i>Ficus glomerata</i> , <i>Roeb.</i>	Gular, Umar.	Large tree	...	...	April— July.	Deciduous	All over the circle near water.	
	<i>Ficus somocarpa</i> , <i>Miq.</i> Syn. <i>Ficus lamino- sa</i> , <i>Hardw.</i>	..	Shrub.	...	Jan.— May.	...	...	Bundelkhand (Bajghat) Duthie's Collection.	
SALICA- CEÆ.	<i>Salix tetrasperma</i> , <i>Roeb.</i>	Birsá	Medium-sized tree	...	Feb.— April.	April— June.	Deciduous	All over the circle on the banks of streams.	
SCITAMI- NEÆ.	<i>Curcuma angustifolia</i> , <i>Roeb.</i>	Kácchúr, Tik- hur.	Herb.	...	April— May.	Rainy season.	...	Pilibhit, Gorakhpur, and all Oudh divisions in sal forests.	
	<i>Costus speciosus</i> , <i>Smith.</i>	...	Do.	...	Rainy season.	Oct.— Nov.	...	Do.	

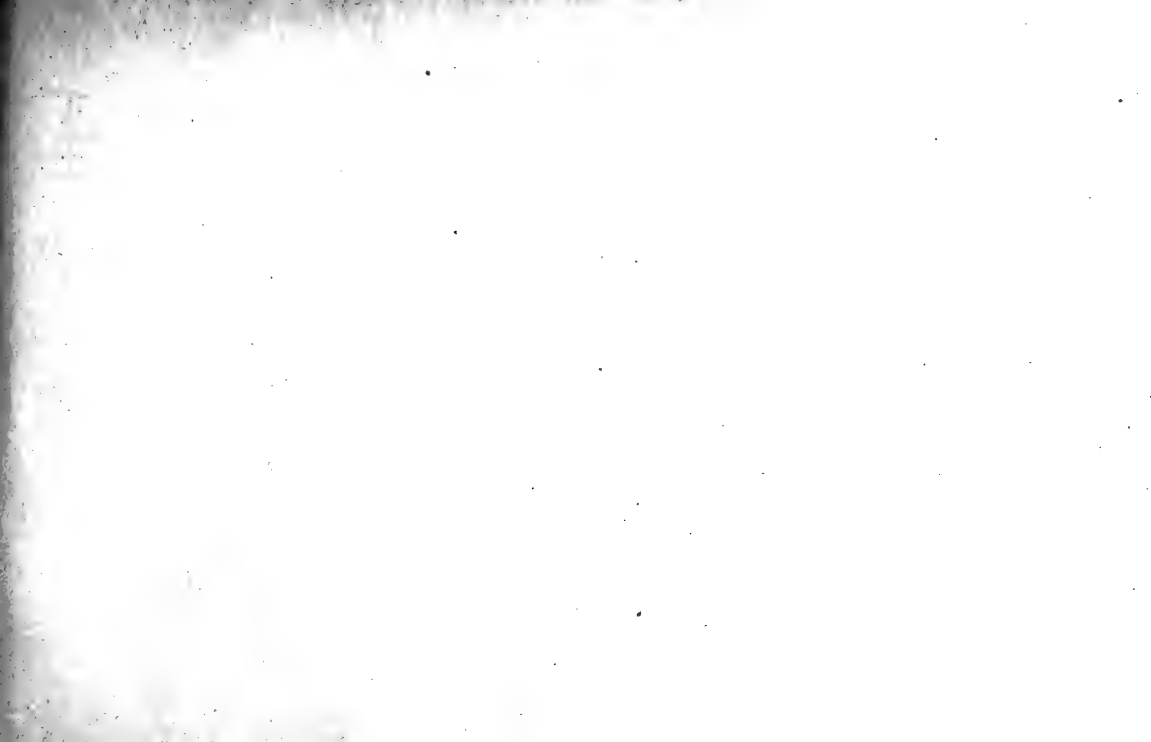






Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality and divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
AMARYLLIDACEÆ.	Agave Vera-Cruz, <i>Miller.</i>	Ram báns.	Shrub.	Greenish yellow.	Rainy season.	...	Evergreen	Planted, and naturalised in the area.	Leaves grey-green in open light; green in shade 4-6'.
	Agave Wightii, <i>D. &amp; P.</i>	Bans Keórá	Do.	Do.	Do.	Oct.-Nov.	Do.	Do	Leaves grey-green about 3'.
	Curculigo orchoides, <i>Gartn.</i>	Káli músi.	Herb.	Yellow.	Jan.—June.	Rainy season.	...	All over the circle.	
DIOSCOREACEÆ.	Dioscorea anguinea, <i>Roxb.</i>	...	Twining herb.	White.	End of rains.	December	...	Bahraich.	
	Dioscorea pentaphylla, <i>Linn.</i>	...	Twiner	Do.	Rainy season.	Cold season.	...	Pilibhit, Gorakhpur, and all Oudh divisions.	
	Dioscorea triphylla, <i>Linn.</i> Var. <i>dæmona</i> , <i>Roxb.</i>	...	Do.	Do.	Do.	Do.	...	Gonda, Bahraich, Kheri.	

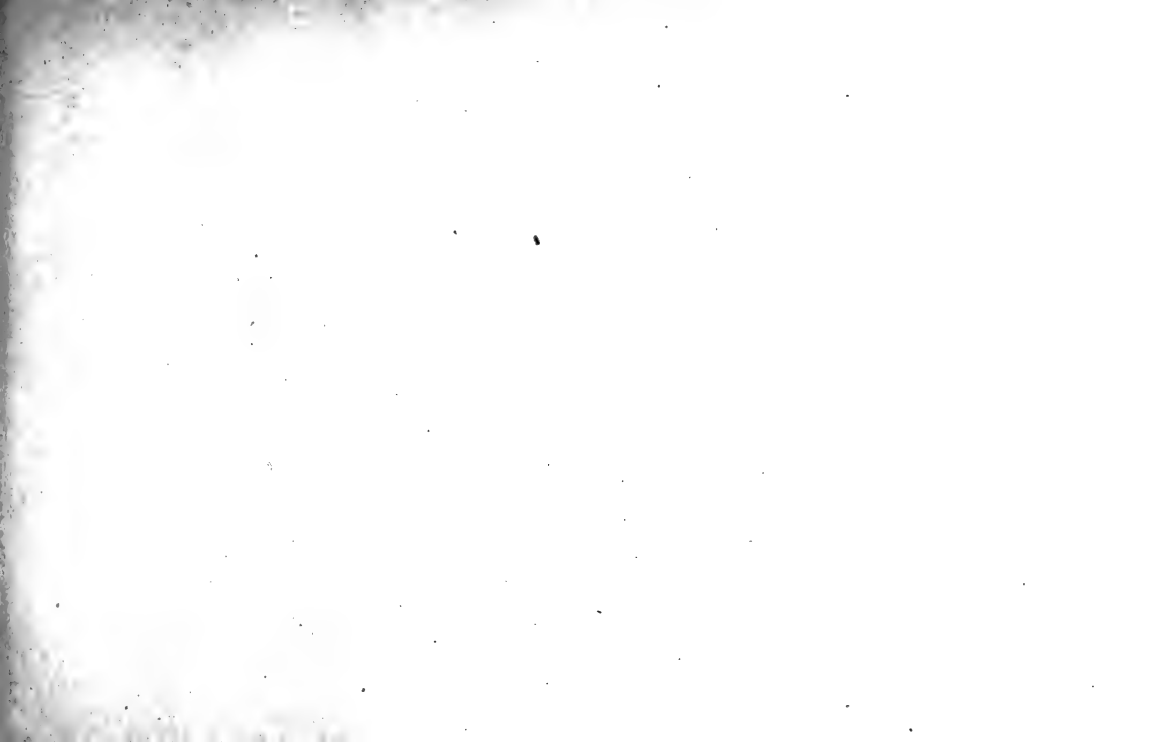
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1	2	3	4	5	6	7	8	9	10
DIOSCOREACEÆ.— (concl'd.)	<i>Dioscorea belophylla</i> , <i>Voigt.</i>	Tarúr.	Twiner.	White.	Rainy season.	Cold season.	...	Kheri.	
	<i>Dioscorea sativa</i> , <i>Linn.</i> Syn. <i>D. aculeata</i> , <i>Linn.</i>	Tarúl, tarur.	Do.	Do.	Do.	Do.	...	All over the circle; often planted.	
LILIACEÆ.	<i>Asparagus racemosus</i> , <i>Willd.</i>	Santáwar.	Shrub.	Do.	Sep.— Oct.	Cold season.	Sub-deciduous.	All over the circle, also Etawah.	
	<i>Asparagus ascendens</i> , <i>Roxb.</i>	Sitáwar.	Do.	Do.	April— Sep.	Nov.— Jan.	...	Bahraich, Kheri, Pilibhit, Gonda.	
	<i>Smilax macrophylla</i> , <i>Roxb.</i>	Ramdatun, Rám pán.	Climber.	Do.	March— July.	Cold season.	Deciduous.	All over the circle.	
	<i>Smilax Roxburghii</i> , <i>Wall.</i>	Rám pán.	Large climber.	Do.	June— July.	Do.	...	Pilibhit.	
	<i>Smilax proliifera</i> , <i>Roxb.</i>	Rám datun.	Climber.	Do.	April— Oct.	Cold season.	Deciduous.	Pilibhit, Gorakhpur, and all Oudh divisions.	





Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
LILIACEÆ —(conoid.)	<i>Urginea indica</i> , <i>Kunth.</i>	U'skil.	Herb.	Greenish white.	Feb.—April.	April—May.	...	Gonda, Jhansi.	Tubers poisonous.
	<i>Gloriosa superba</i> , <i>Linn.</i>	Kuthári.	Do.	Orange and yellow turing red.	Rainy.	Season.	...	All over the circle.	
PALMACEÆ.	<i>Borassus flabelliformis</i> , <i>Willd.</i>	Tárh.	Tall tree.	Greenish yellow.	May.	July—Aug.	Evergreen.	Cultivated, sometimes naturalised (Gorakhpur).	
	<i>Phœnix acaulis</i> , <i>Buch. Ham.</i>	Khajúri.	Short-stemmed shrub.	Do.	Dec.—Jan.	April—May.	Do.	All over the circle.	
	<i>Phœnix sylvestris</i> , <i>Roxb.</i>	Khajur.	Tree.	Do.	March—April.	July—August.	Do.	Gorakhpur.	
	<i>Phœnix humilis</i> , <i>Royle.</i>	Do.	Shrub or small tree.	Do.	Dec.—Jan.	April—June.	Do.	Pilibhit, Gorakhpur, and all Oudh divisions, Jhansi.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
PALMACEÆ ( <i>concl.</i> )	<i>Calamus tenuis</i> , <i>Rowb.</i>	Bet.	Climber	Yellowish green.	Rainy season.	Cold season.	Evergreen	Pilibhit, Gorakhpur, and all Oudh divisions.	
	<i>Wallichia densiflora</i> , <i>Mart.</i>	...	Shrub	...	...	...	Do.	+ Gonda—(Tulsi-pur range; Nepal boundary), Bahraich.*	+ Record from incomplete specimen. * Mr. W. J. Lambert.
TYPHACEÆ.	<i>Typha elephantina</i> , <i>Rowb.</i>	Pater.	Tall herb.	Yellowish green.	...	...	...	Pilibhit, Gorakhpur and all Oudh Divisions in swamps.	
ARACEÆ.	<i>Scindapsus officinalis</i> , <i>Schott.</i>	Gaj-pipal.	A rooting climber.	Do.*	March—April.	Cold season.	Deciduous	Pilibhit, Gorakhpur and Oudh divisions in sal forests.	* Colour of spathe.
	<i>Acorus Calamus</i> , <i>Linn.</i>	Bach.	Perennial herb.	Greenish yellow.	April.	September	...	Bahraich, Gonda.	
GRAMINEÆ.	<i>Bambusa nutans</i> , <i>Wall.</i>	Báns.	...	...	...	...	...	Planted in Gorakhpur.	

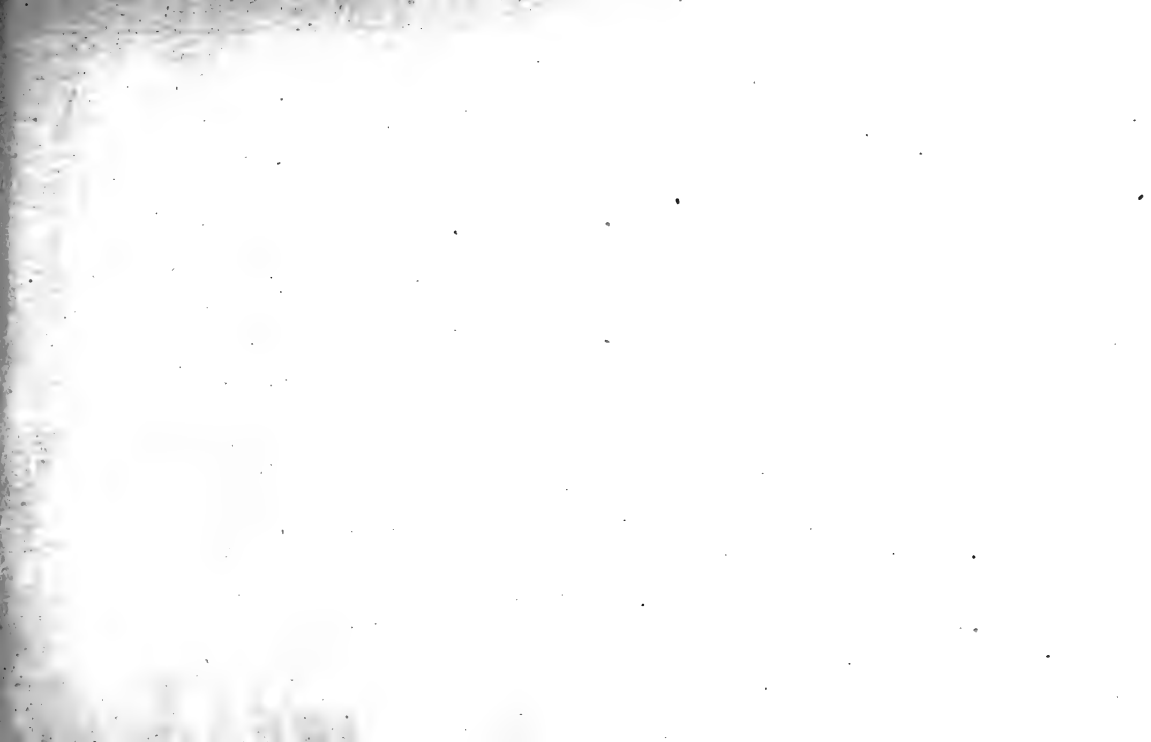






Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
GRAMINEÆ —(contd.).	Bambusa arundinacea, Willd.	Kántá báns.	...	...	March-April.	..	...	Planted in all divisions.	
	Dendrocalamus strictus, Nees.	Báns.	Small-sized bamboo.	Green.	Oct.—April.	Hot season.	Sub-deciduous	Pilibhit Gonda, Jhansi, Banda, Bahraich.	
	Arundo Donax, Linn.	Nar.	Tall reed	...	...	...	...	Pilibhit, Gonda, and Oudh divisions in swamps.	
	Phragmites Karka, Trin.	Do.	Do.	...	Nov.-Dec.	...	...	Jhils in the area (gregarious).	
	Thysanotens Agrostis, Nees.	...	Tall	...	End of rainy and cold season.	Cold season April.	...	Goorakhpur. Pilibhit, also all Oudh divisions in shady ravines.	
	Imperata arundinacea, Cyrill.	Charáí (Bah). Bhalúhi, (Gou)., Dabhelá (Gor).	Short, medium-sized grass.	...	Mainly rainy season but sporadically throughout the year.	...	...	Pilibhit, Kheri, Bahraich, Goorakhpur.	

Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
GRAMINEÆ —(contd.).	<i>Saccharum arundinaceum</i> , <i>Retz.</i>	Múnj.	...	...	Sep.	January	...	All over the circle in sandy river banks and open areas.	
	<i>Andropogon squarrosus</i> , <i>Linn. f.</i>	Khas-Khas.	...	...	Rainy season.	Cold season.	...	Open ground all over the circle.	
	<i>Andropogon contortus</i> , <i>Roem.</i>	Paruá.	Gregari- ous 1—3'.	...	Sep — Dec.	Oct.— Jan.	...	Open places all over the circle.	The spear grass— notorious for the large masses of barbed fruits which stick on to clothes.
	<i>Cymbopogon Martini</i> , <i>Slap. f.</i>  <i>Syn.</i> <i>Andropogon Schœnanthus</i> , <i>Lin.</i>	Ruáá.	Weak- stemmed grass.	...	Rainy season.	Cold season.	...	All over the circle—spora- dically; occur- ring in open places com- moner in dry localities (Banda, Jhansi).	Aromatic. Flowers occasionally; at other times of the year also.





Family.	Genus and species.	Vernacular name.	Habit of growth.	Colour of flower.	Time of flowering.	Time of seeding.	Periodicity.	Locality by divisions.	Remarks.
1	2	3	4	5	6	7	8	9	10
GRAMINEÆ —(conold.).	<i>Andropogon monticola</i> , <i>Schult.</i>	Dhaulá, Gúrlá, Chikná.	About 5'	...	Sept.- Oct.	Cold season.	...	Gonda, Pilibhit Kheri, Bundelkhand.	Gregarious in open forests, fire-lines, etc.
	<i>Anthistiria gigantea</i> , <i>Cav.</i>	U'lláh, Dhonra, (Gor.)	Tall grass.	...	End of rainy season.	Do.	...	Pilibhit, Oudh divisions, Gorakhpur.	
	<i>Ischoemum angustifolium</i> , <i>Hock.</i>	Bhábar, Sabai Baib.	Wiry- leaved short- stemmed grass.	...	Feb.— June.	May— July.	...	Common all over the circle in open places.	
FILICINÆ SCHIZÆ- ACEÆ.	<i>Lygodium flexuosum</i> , <i>Sweet.</i>	Bál-kesh (Gor.), Káli mengi (Bah.), Bálehur, Bánsi (J).	Slender climber.	...	April.	Nov.	Annual.	All over the circle.	

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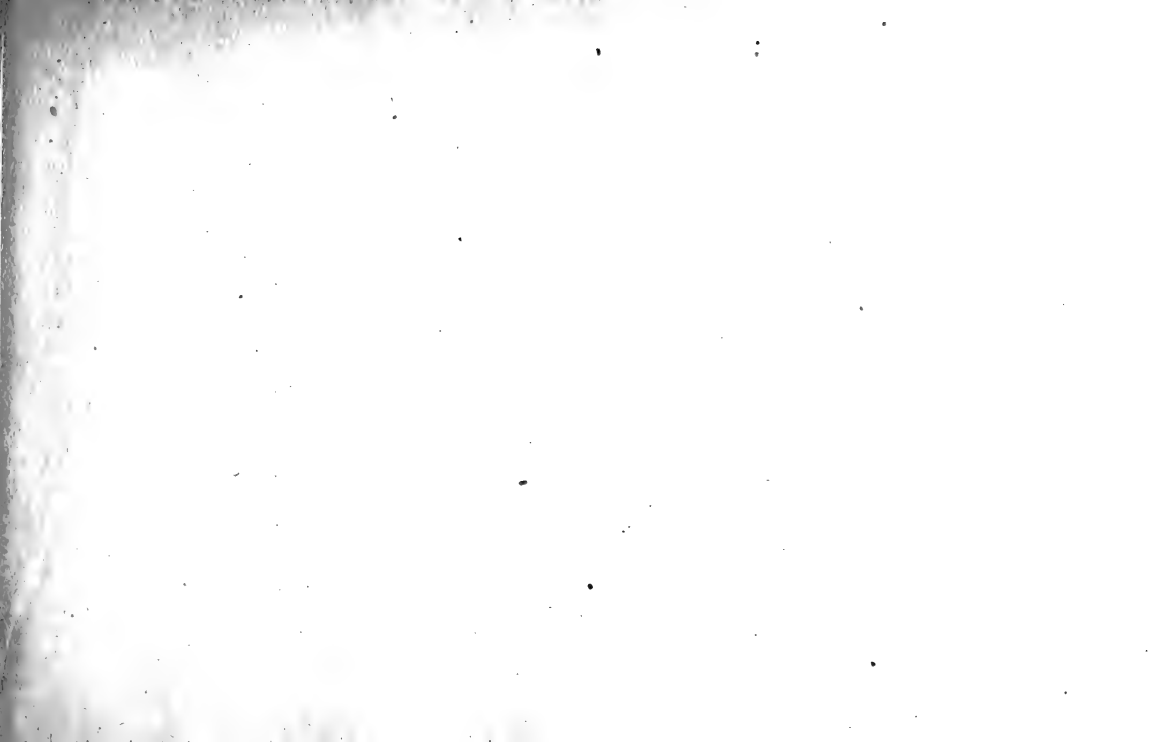
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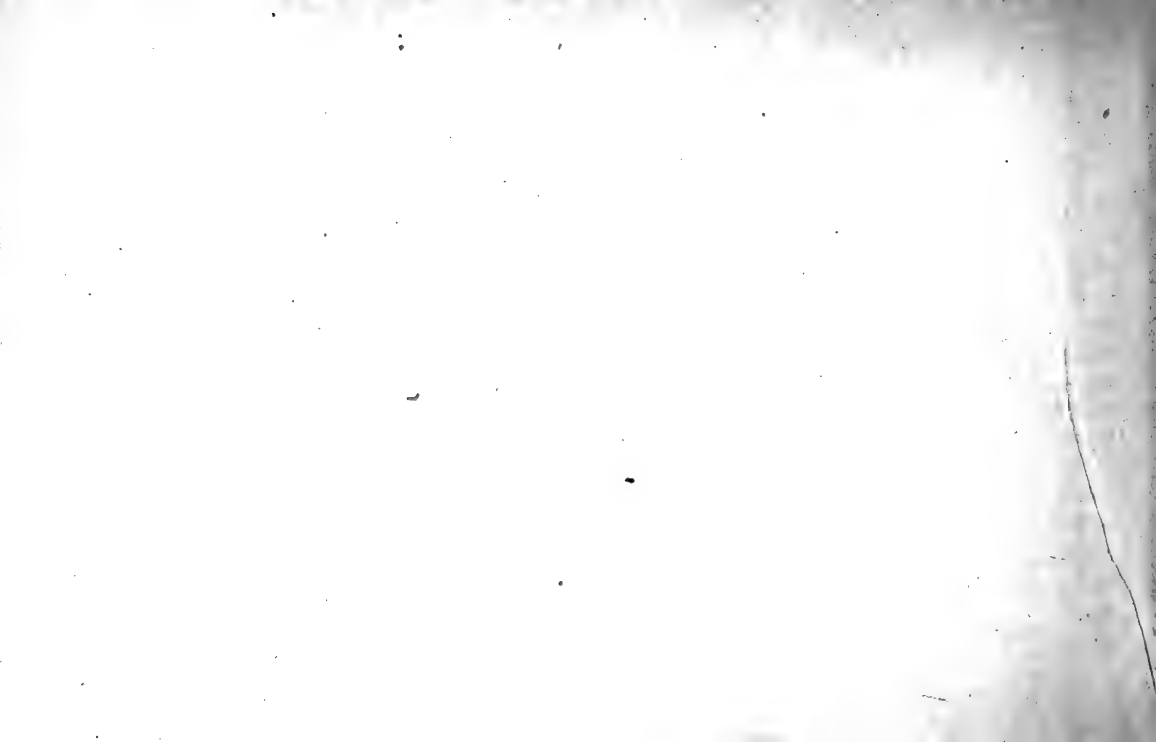
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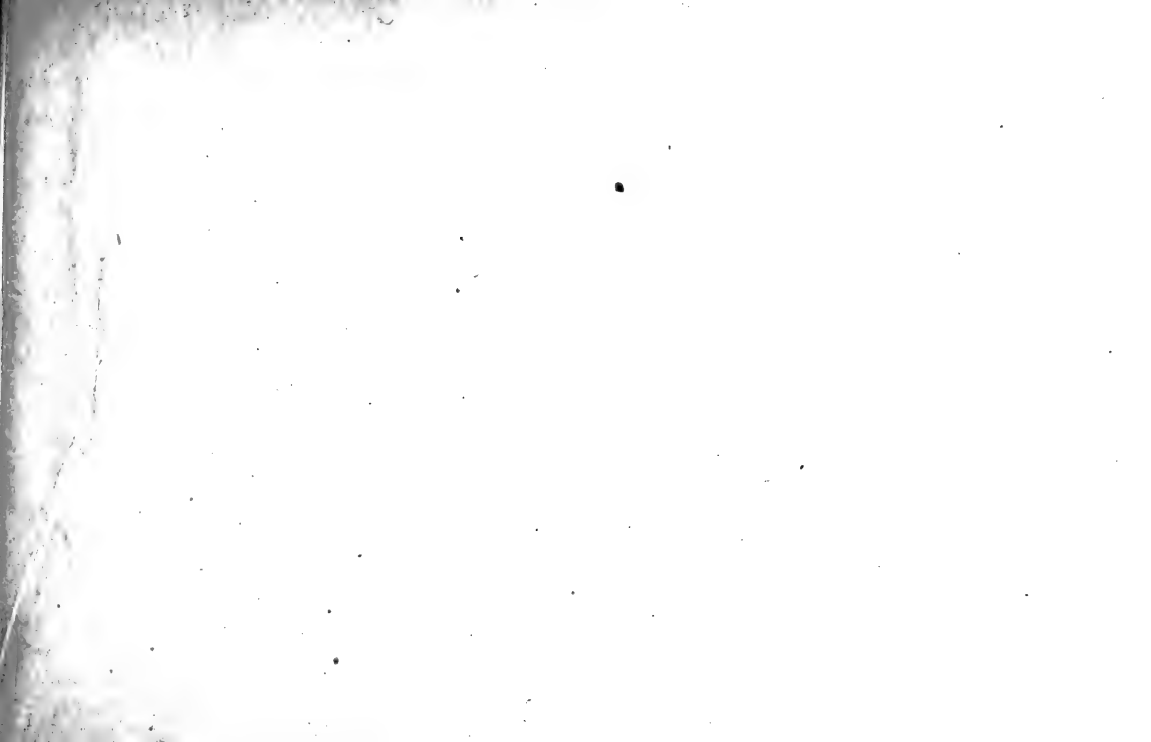
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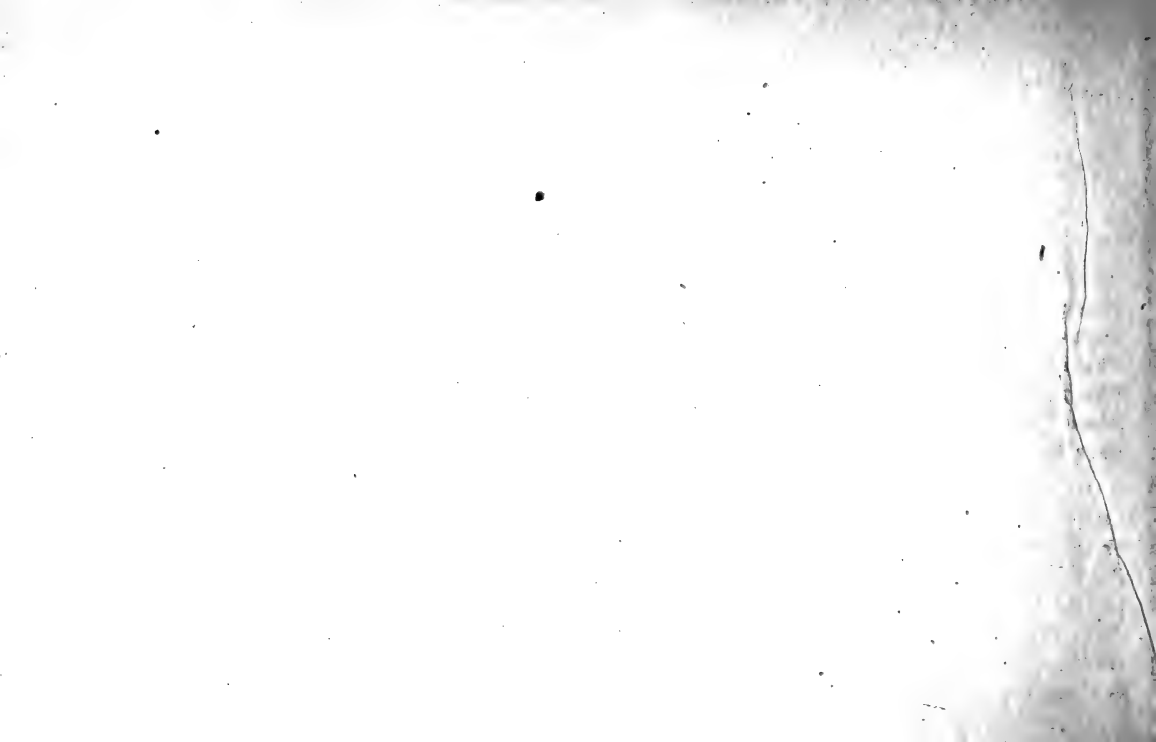
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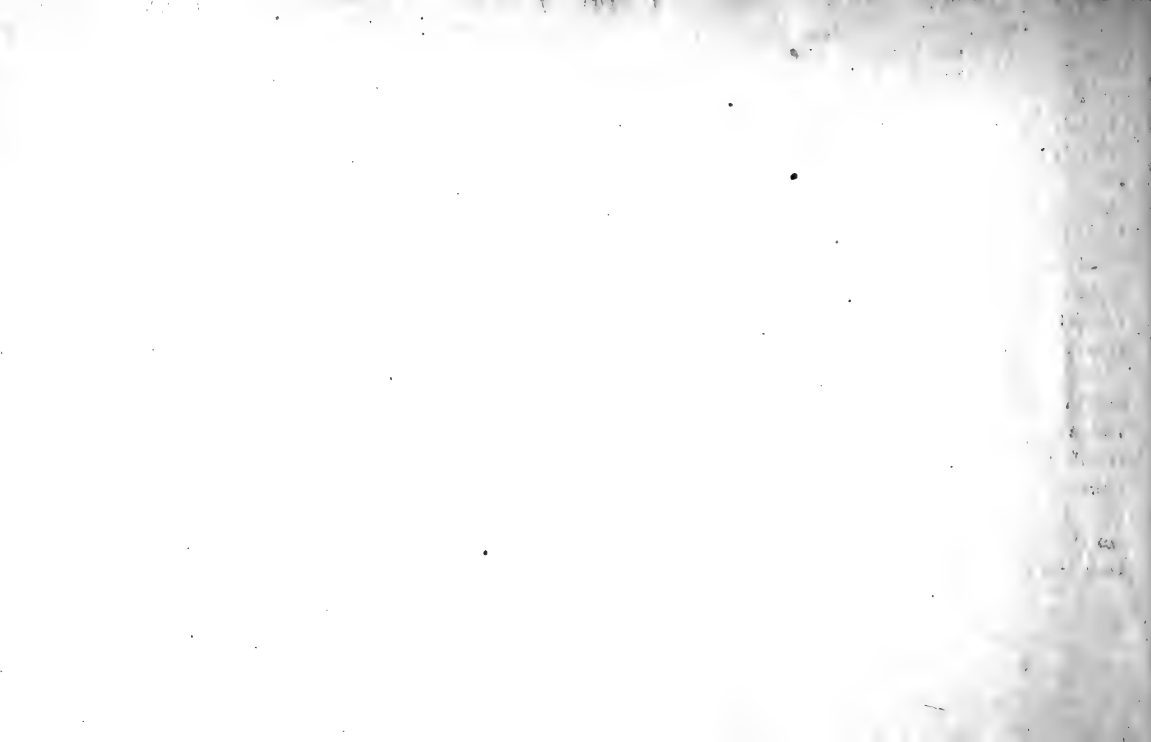




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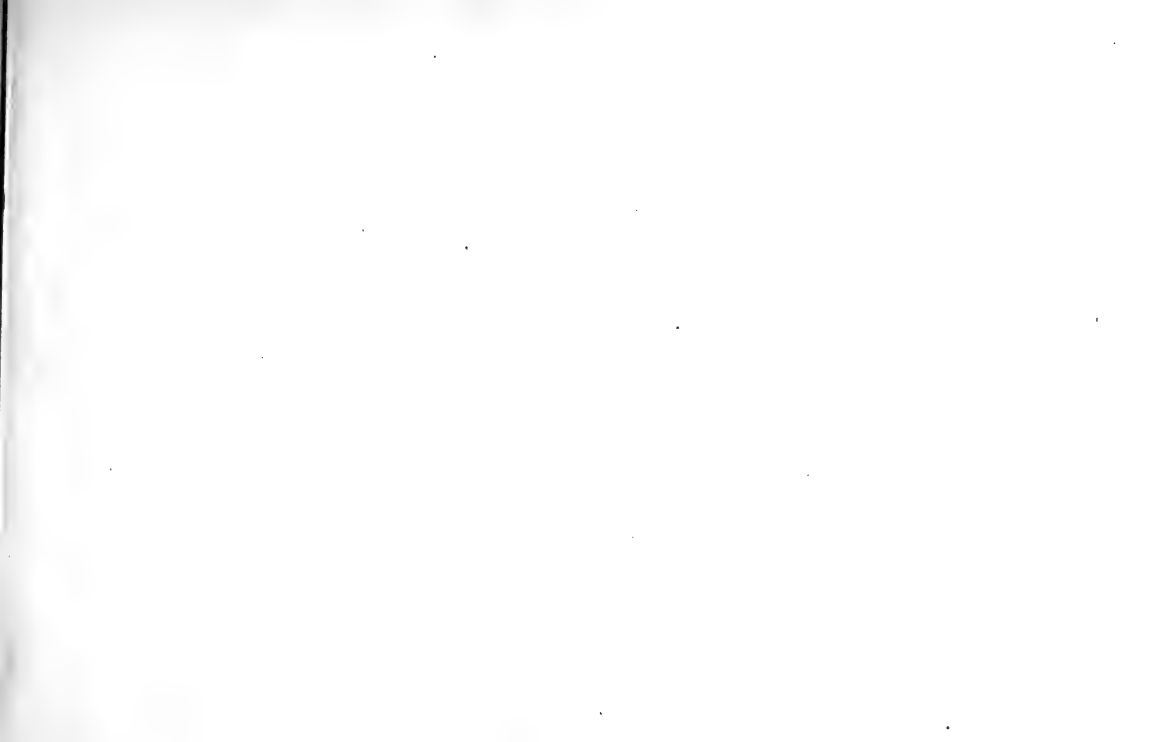


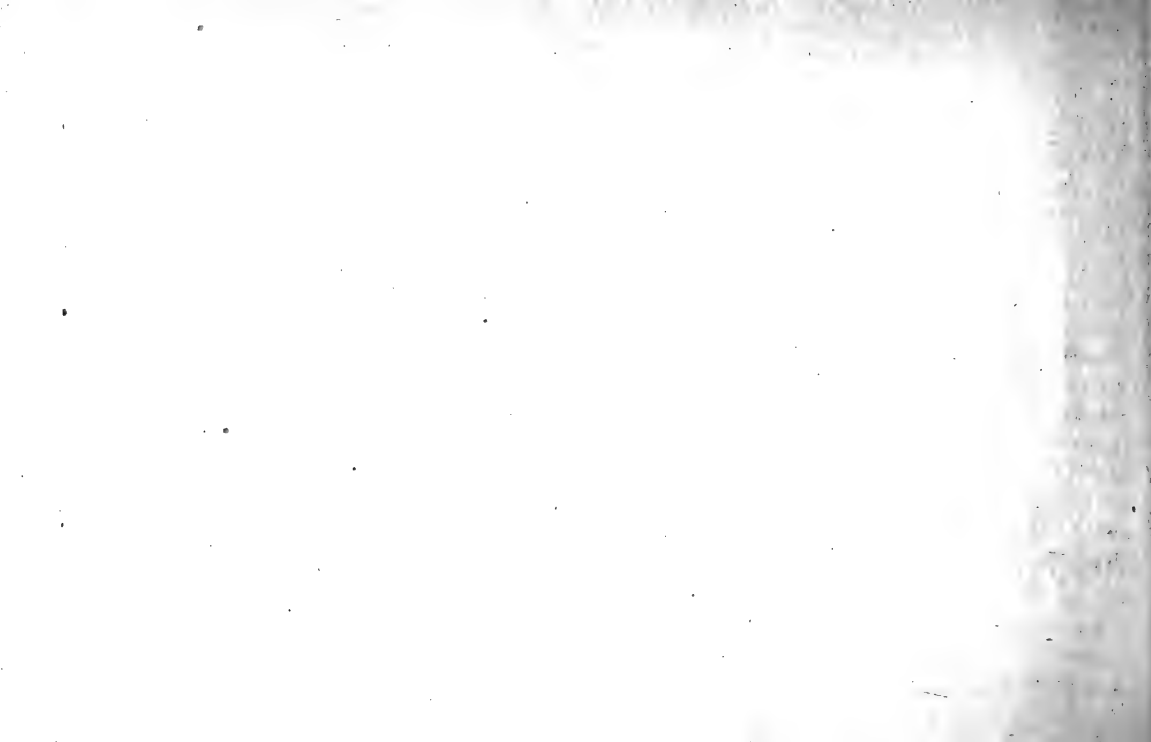




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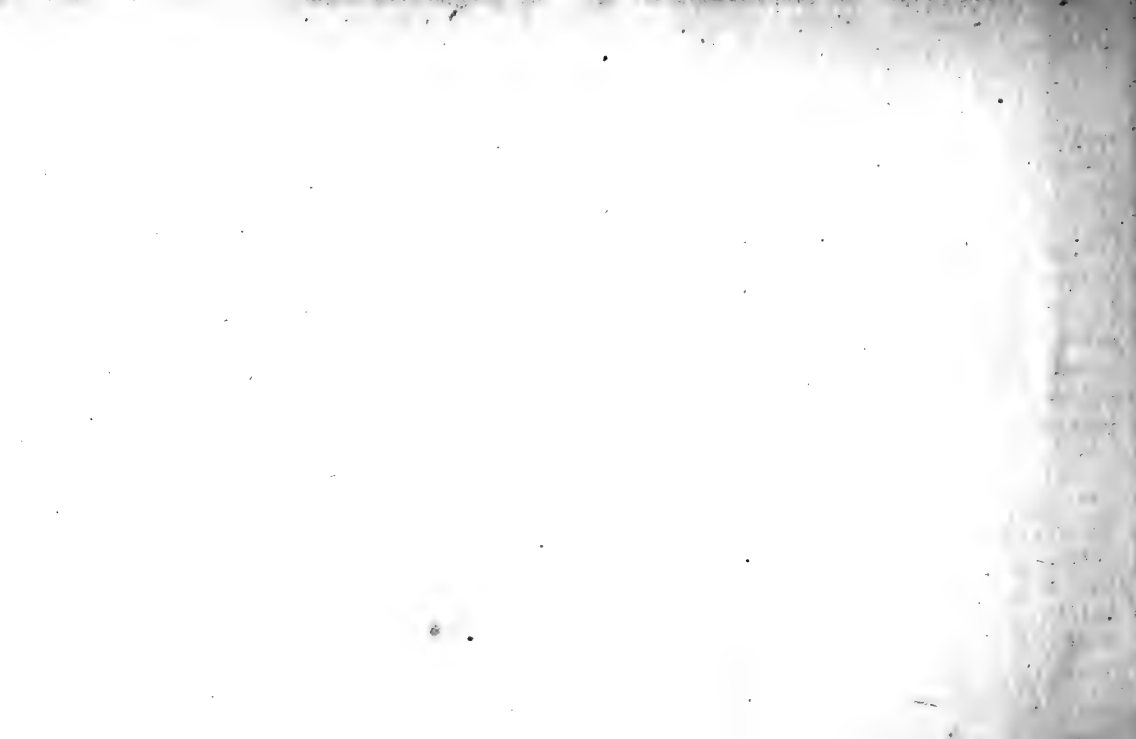




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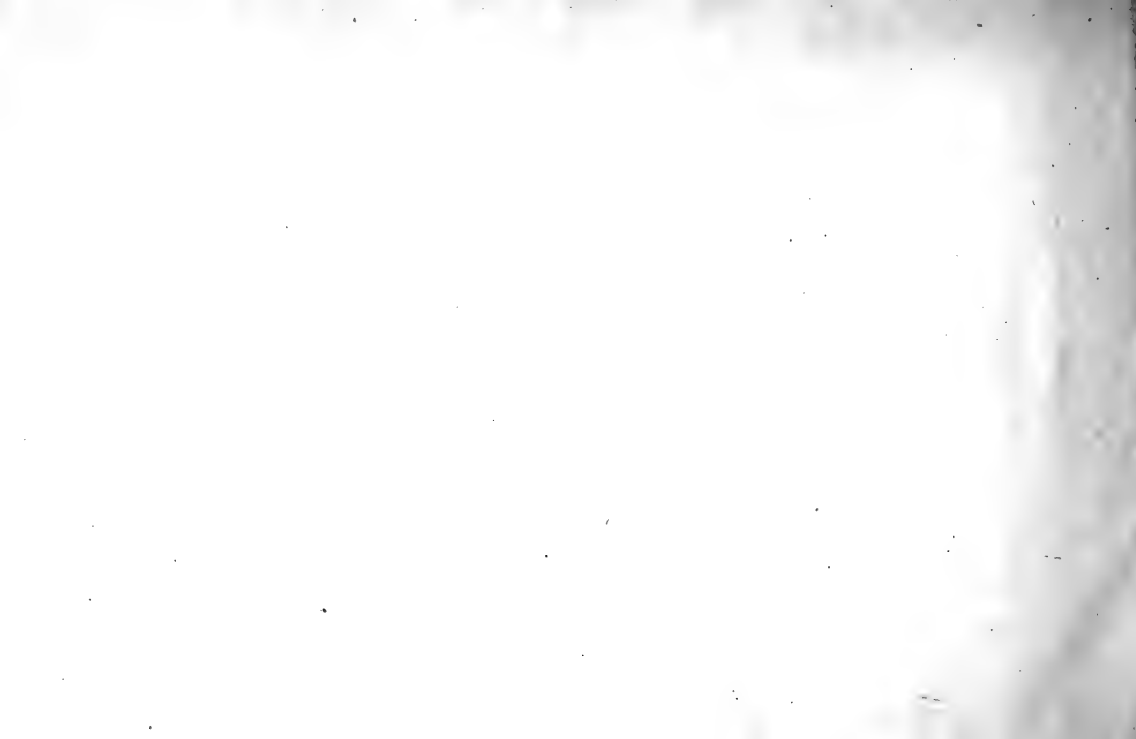
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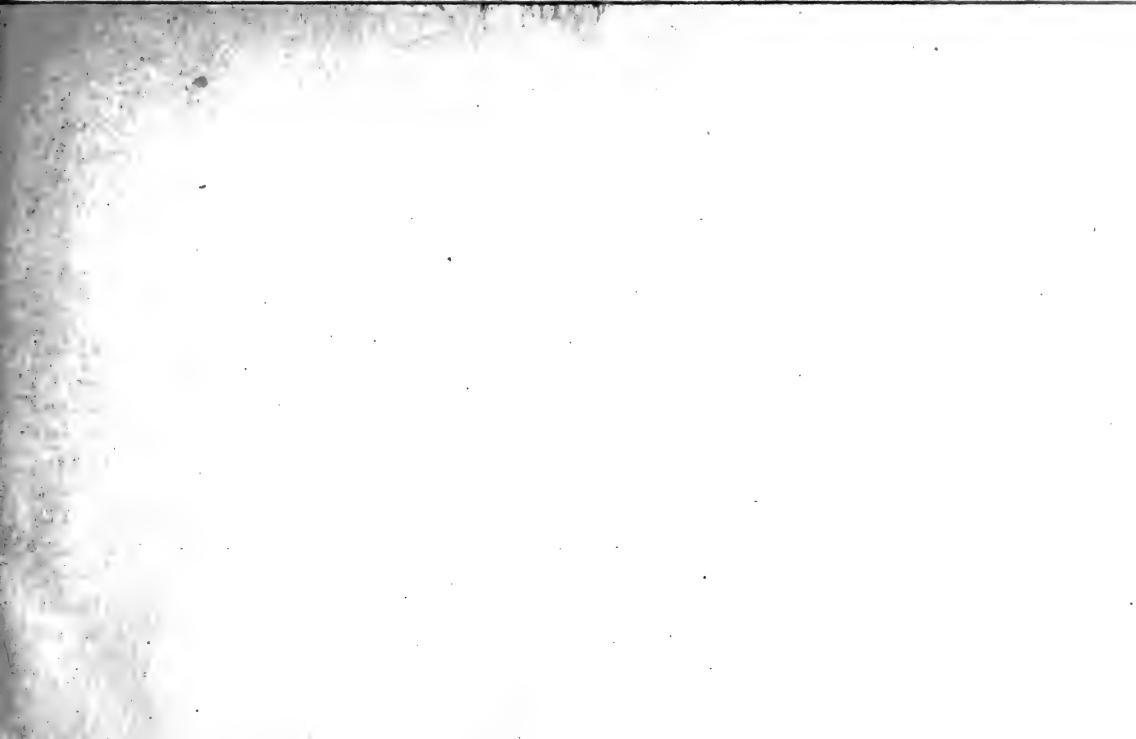
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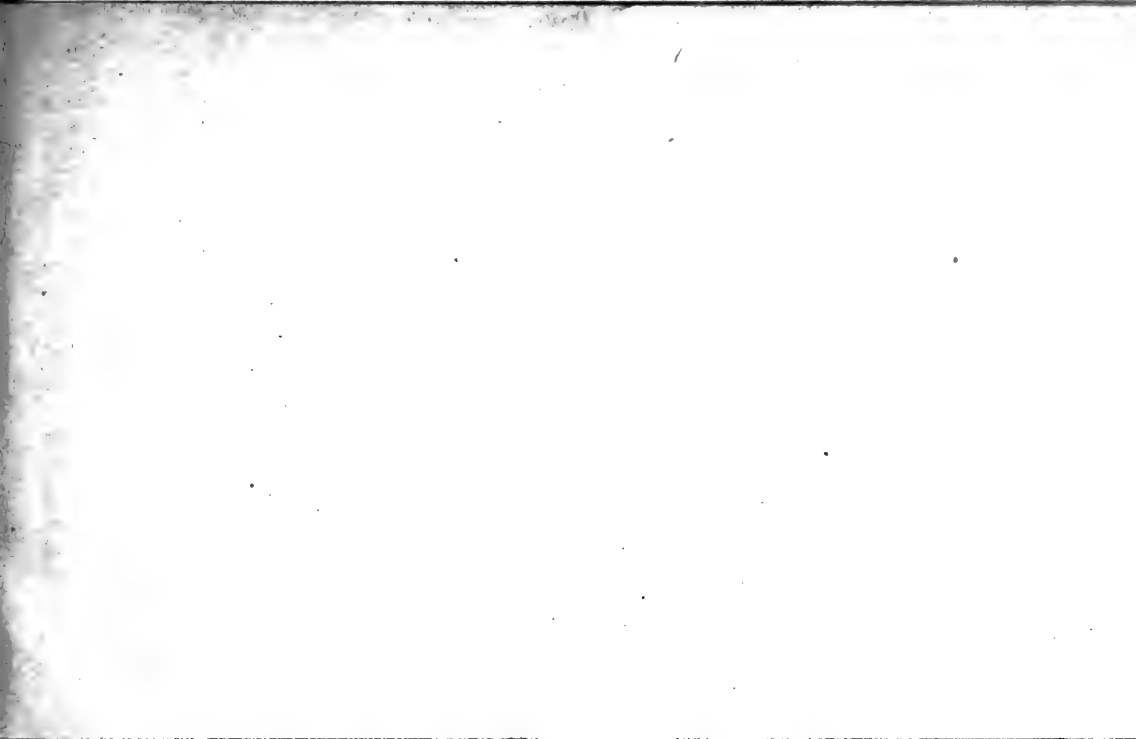






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