Index seminum

Index Seminum

Utrecht University
Botanic Gardens
The Netherlands

Universiteit Utrecht

No. 36-1994

Utrecht University Botanic Gardens

P.O. Box 80.162
3508 TD Utrecht
The Netherlands

Index Seminum No. 36 - 1994

Notes on ordering:

Correspondents are asked to use the order-form provided, and send it to the address mentioned upon it. Furthermore, they should check with their own authorities concerning import-regulations and include any necessary permits with their order.

Only requests reaching us before **March 1, 1995** will be handled in sequence of entry. **Order-forms which will reach us after that date will not be handled!** Our Fax no. is .. 31 30 535177

Staff: **General Department**:

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Jan Tolsma,
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Drs. Eric J. Gouda
Curator

Educational Department:

Drs. Jaap Vos,
Education officer
Ir. Ruth C. de Jonge,
Coordinator Theme Garden Project

Regional office of Botanic Gardens Conservation International

Drs. Bert J.W. van den Wollenberg

Regional office of Botanic Gardens Conservation International
at Utrecht University Botanic Gardens

The gardens are located at:

- Utrecht: Fort Hoofddijk (University Center)
- Doorn: Von Gimborn Arboretum

Situation and climate:

Geographical position of the Main Garden ..... 52° 06' N : 5°11' E
Altitude ..... 2 m above sea level

Mean daily minimum of the coldest month ..... - 0,6°C
Mean daily maximum of the warmest month ..... + 21,6C°

Highest temperature ..... + 36,8°C *
Lowest temperature ..... - 24,8°C *

Average rainfall ..... 803 mm

*Monitored since 1849

Introduction

It is a pleasure to present our Index Seminum no. 36 (1994) and I would like to take the opportunity to inform you on some recent developments within Utrecht University Botanic Gardens.

As in former years we tried to make a seed selection of plant species from which the name is checked (identified) and as far as possible with origin data available.

In spite of a very warm and dry summer the seed harvest was quite good.

On May 20th 1994 a cooperation was founded between Botanic Gardens Conservation International (BGCI) and Utrecht University. This was the official start for the Dutch Regional Office BGCI. This Dutch Regional Office BGCI is located at the Utrecht University Botanic Gardens and Bert van den Wollenberg will be responsible for the coordination. New projects, that fit within the aim of BGCI, will be started. To realize those projects, there will be a close cooperation with members of the Dutch Plant Charter Group.

The function of Bert van den Wollenberg as Curator has been temporarily taken over by Eric Gouda.

Drs. Vijko P.A.Lukkien,
General Director.

Utrecht Botanic Gardens are developing specializations on the following groups and taxa:

-Flora of the Neotropics: Flora of the Guianas, with special emphasis on:
Gesneriaceae Zingiberaceae
Orchidaceae

-Annonaceae (Research Collection)

-Conifers (esp. Tsuga)

-Broad-leaved hardy trees and shrubs:
Aceraceae Betulaceae Ericaceae
Euonymus Laburnum Magnolia
Oleaceae (esp.: Fraxinus and Syringa)

-Alpines

-Crassulaceae (Research Collection)

-selected woodland plants (Arisaema, Arisarum & Trillium)

-Penstemon

-Lecanopteris

These specializations are given extra attention regarding verification, nomenclature, wild source material, etc.

We are especially interested in material from natural sources of the groups and taxa mentioned above. We have a cooperation with gardens with identical specializations. If you are interested, please contact us and we will provide additional information.

Aceraceae

1.	G I	00ZG00986	Acer cappadocicum Gled. subsp. lobelii (Ten.) P.C.DeJong
2.	G I	00ZG00968	Acer maximowiczianum Miq.
3.	G I	00ZG00997	Acer micranthum Siebold & Zucc.

Amaranthaceae

4.	G I	73ZE00844	Amaranthus retroflexus L.
5.	S I	74GR00319	Pleuropetalum darwinii Hook.f.; [HVDW 178] Galapagos Islands.

Amaryllidaceae

6.	G I	74GR00709	Clivia miniata Regel

Annonaceae

7.	S S	83GR00360	Annona glabra L.; [STOLZE s.n.] USA, Florida, Sebastian River, 3 Km. W. of Wabasso.

Aquifoliaceae

8.	G I	61RD00653	Ilex pedunculosa Miq. var. pedunculosa

Araceae

9.	G I	74GR00662	Aglaonema commutatum Schott var. commutatum
10.	G I	74GR00664	Aglaonema crispum (Pitcher & Manda) Nicolson
11.	G I	68GR00913	Nephthytis afzelii Schott

Aristolochiaceae

12.	G I	92GR01149	Aristolochia fimbriata Cham.

Asclepiadaceae

13.	G I	80RD00057	Periploca sepium Bunge

Asteraceae

14.	G I	55ZE00679	Anacyclus radiatus Loisel.
15.	S I	88GR00053	Chaptalia ignota Burkart; Argentina, Iquazu, Las Orquideas.
16.	G I	53ZE00682	Silybum marianum (L.) Gaertn.

Brassicaceae

17.	S I	91ZE00749	Arabidopsis thaliana (L.) Heynh.; Italia, Siena, Porta Tufi.
18.	S V	91ZS00974	Diplotaxis tenuifolia (L.) DC.; Switzerland, Wallis, alt.: 700m.

Bromeliaceae

19.	S I	90GR00250	Aechmea aquilega (Salisb.) Griseb. var. aquilega; [F.BI s.n.] French Guiana, fort primaire de Cacao.
20.	S I	79GR00188	Aechmea bromeliifolia (Rudge) Baker; [MAAS 3500] Guyana, Timehri.
21.	G I	94GR00788	Pitcairnia xanthocalyx Mart.
22.	S I	88GR00183	Tillandsia monadelpha (E.Morren) Baker;Fr.Guiana,Mt.Tortue, alt.:250-500m.

Campanulaceae

23.	S I	90BL00367	Campanula sabatia De Not.; Italia, Altopiano delle Manie (SV), alt.: 300m.
24.	S I	90BL00946	Edraianthus graminifolius (L.) A.DC.; (East)Germany, Kröchtendorff.
25.	G I	83BL00350	Edraianthus pumilio (Port.) A.DC.
26.	S I	83BL00283	Edraianthus tenuifolius (Waldst. & Kit.) A.DC.; Eur. Alps, no further details.
27.	G I	88GR00136	Laurentia longiflora (L.) Endl.
28.	G I	58ZE02196	Wahlenbergia lobelioides (L.f.) A.DC. subsp. lobelioides

Cannaceae

29.	S S	89GR00092	Canna indica L.; [MJJ 1781] Guyana, Old Farm near Konashen.
30.	S S	89GR00010	Canna indica L.; [WOLB 88-001] Nepal, near village Phalenksangu, along Annapurna Trail on steep slope to river, Alt.: 700m.
31.	S S	76GR00106	Canna paniculata Ruiz & Pav.; [PLKEN 5700] Peru, dept. Huanuco, Puente Durand, alt.:1000m.
32.	S I	75GR00189	Canna tuerckheimii Kraenzl.; [PL 3767a] Costa Rica, San Vito de Java.
33.	S I	80GR00287	Canna tuerckheimii Kraenzl.; [MAAS 4796] Ecuador, Alluriquin area, betw. S-to.Domingo de los Colorados and Quito, alt.: 850m.

Capparaceae

34.	G I	91GR01779	Cleome gigantea L.

Caryophyllaceae

35.	G I	83BL00090	Dianthus knappii (Pant.) Asch. & Kanitz ex Borbás
36.	S I	91ZE00752	Silene gallica L.; Italia, Grosseto, Il Puntone.
		Celastraceae	
37.	G I	73GR00486	Euonymus lucidus D.Don
		Costaceae	
38.	E I	94GR02117	Costus erythrocoryne K.Schum.; [MAAS s.n.] Peru, Alpahuayo.

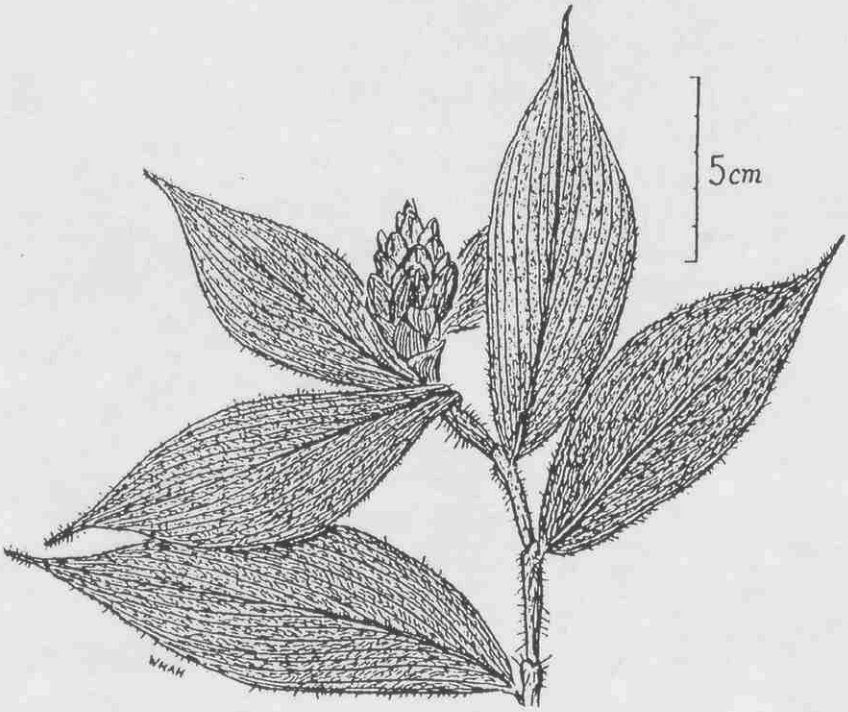

Fig. 1: Costus lasius (Costaceae)

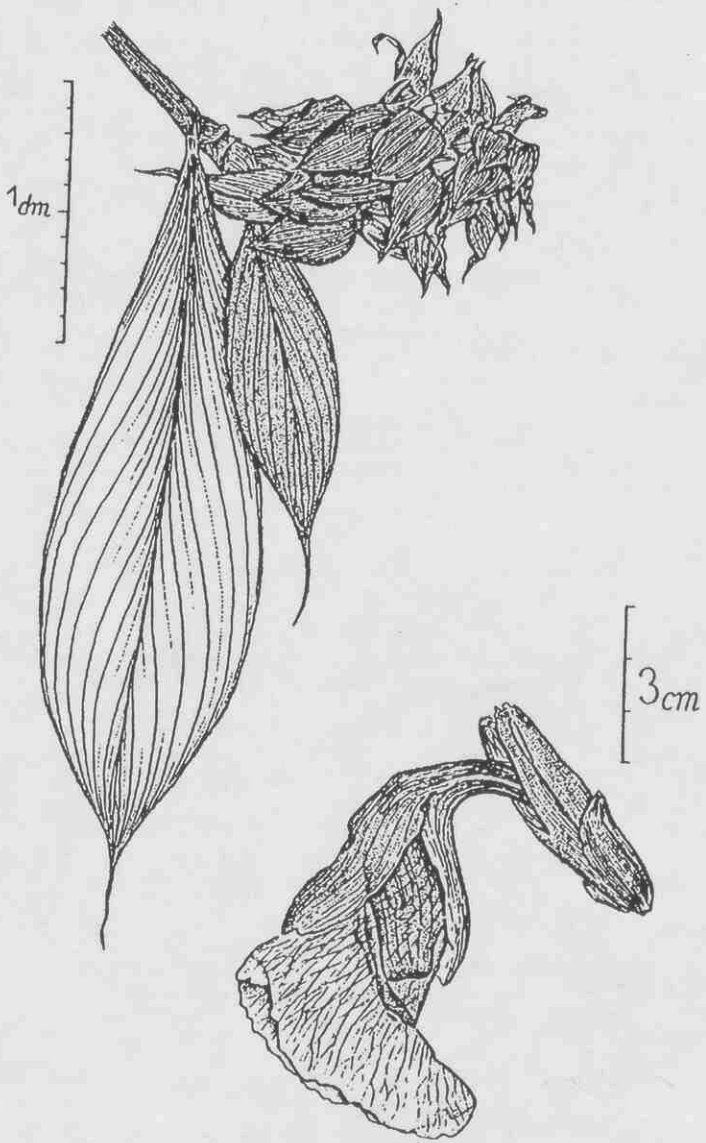

Fig. 2: Dimerocostus strobilaceus subsp. appendiculatus (Costaceae)

39.	E I	94GR02118	Costus erythrocoryne K.Schum.; [MAAS s.n.] Peru, Yanamono.
40.	S S	91GR00424	Costus lasius Loes.; [MAAS 7880] Costa Rica, Osa Peninsula.
41.	E I	94GR02116	Costus longebracteolatus Maas; [MAAS s.n.] Peru, Sucusari.
42.	E I	94GR02115	Dimerocostus strobilaceus Kuntze subsp. appendiculatus Maas; [MAAS s.n.] Peru, Sucusari.
		Crassulaceae	
43.	S I	79GR00196	Aeonium arboreum (L.) Webb & Berthel.; Tenerife (Canary Isls.).
		Cuscutaceae	
44.	G I	71ZE00025	Cuscuta gronovii Willd.
		Ericaceae	
45.	G I	00ZG00034	Kalmia angustifolia L.
46.	G I	00ZG01222	Kalmia latifolia L.
47.	G I	00ZG00883	Leucothoe fontanesiana (Steud.) Sleumer
48.	G I	00ZG00037	Pieris floribunda (Pursh ex Sims) Benth. & Hook.f.
49.	G I	00ZG00097	Rhododendron canadense (L.) Torr.
50.	G I	00ZG01146	Zenobia pulverulenta (W.Bartram ex Willd.) Pollard
		Euphorbiaceae	
51.	S I	91ZE00842	Euphorbia helioscopia L.; Belgium, county Brabant, Vilvoorde.

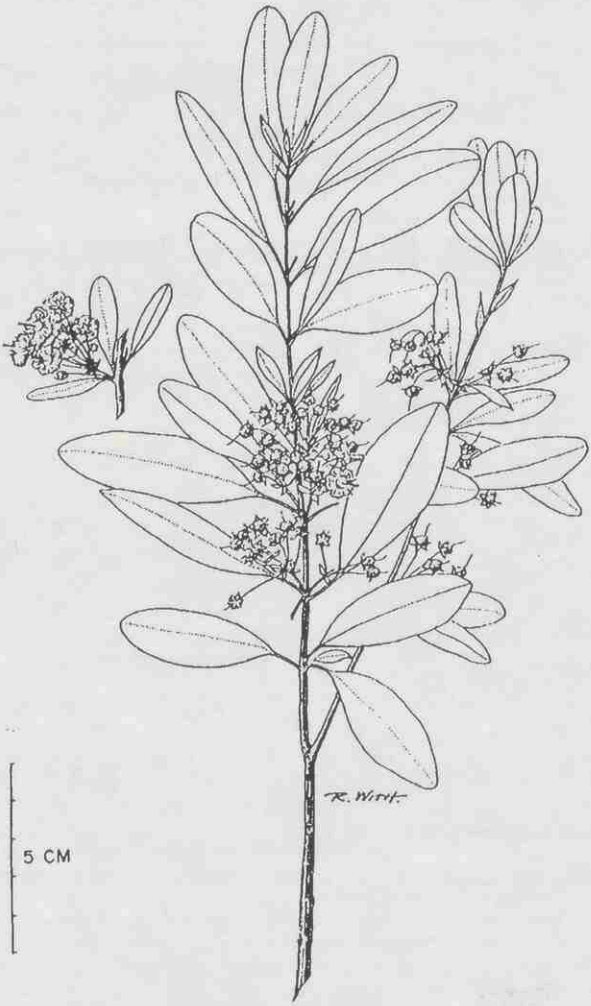

Fig. 3: Kalmia angustifolia (Ericaceae)

Fabaceae

52.	G I	56ZE02112	Tetragonolobus purpureus Moench
53.	G I	73ZE00883	Trifolium incarnatum L.

Gentianaceae

54.	S I	57ZE00818	Centaurium erythraea Rafn subsp. erythraea; Czech Republic, S.Bohemia, Sobeolav, alt.: 500m.

Gesneriaceae

55.	S I	81BL00241	Haberlea rhodopensis Friv.; [CYT 24905] Bulgaria, Rodopen Mts., Cudnite Metova, near Cepelare, alt.: 105m.
56.	G I	65BL00453	Ramonda myconi (L.) Rchb.
57.	S I	82BL00132	Ramonda nathaliae Pancic & Petrovic; Yugoslavia, Titov Veles, alt.: 230m.

Grossulariaceae

58.	G I	69GR00038	Escallonia bifida Link & Otto

Hydrophyllaceae

59.	G V	71ZE00310	Phacelia congesta Hook.

Iridaceae

60.	G I	77BL00409	Iris magnifica Vved.
61.	G I	91GR00557	x Pardanca norrisii L.W.Lenz Lamiaceae

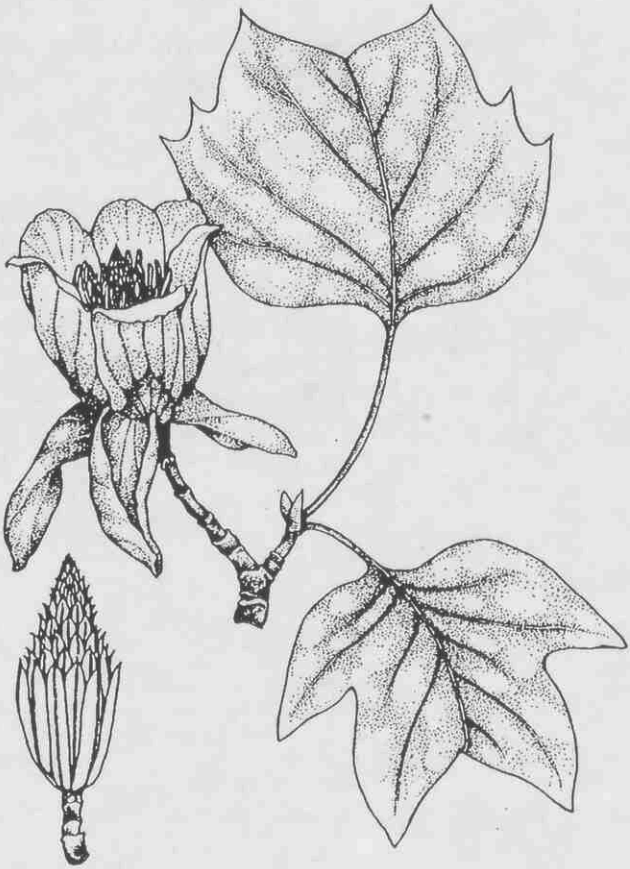

Fig 2: Liriodendron tulipifera (Magnoliaceae)

62.	G I	79ZE00338	Ocimum basilicum L.
		Liliaceae	
63.	S I	80GR00248	Bomarea edulis (Tussac) Herb.; [L&G 455] Suriname, Kabelebo area, along Barieba Creek.
64.	G I	68GR01464	Liriope spicata Lour.
		Loasaceae	
65.	G I	53ZE00859	Blumenbachia hieronymi Urb.
		Lythraceae	
66.	S I	90ZE00952	Lythrum hyssopifolia L.; (East)Germany, Kreiss Prensleu, Gstow.
		Magnoliaceae	
67.	G I	00ZG00099	Liriodendron tulipifera L.
68.	G I	00ZG01142	Magnolia hypoleuca Siebold & Zucc.
69.	G I	65RD00047	Magnolia tripetala (L.) L.
70.	G I	00ZG01144	Magnolia virginiana L.
		Malvaceae	
71.	G I	69GR00169	Gossypium arboreum L.
72.	S I	67GR00037	Malvastrum coromandelianum (L.) Garcke; [JCL s.n.] Brazil.
73.	S I	91GR00590	Urena lobata L.; Nepal, Chitwan National ark, Sauraha, 0.5 Km from entrance.

Moraceae

74.	K S	73GR00411	Ficus religiosa L.

Myrsinaceae

75.	G I	74GR00008	Ardisia solanacea Roxb.
76.	G I	74GR00008	Ardisia solanacea Roxb.

Onagraceae

77.	G I	53ZE00879	Clarkia purpurea (Curtis) A.Nelson & J.F.Macbr.

Plantaginaceae

78.	G I	54ZE02451	Plantago afra L.

Plumbaginaceae

79.	G I	75ZE00620	Psylliostachys suvorovii (Regel) Roshkova

Polemoniaceae

80.	G I	89ZE00014	Gilia tricolor Benth.

Primulaceae

81.	G I	69BL00037	Androsace albana Stev.

Ranunculaceae

82.	G I	75ZE00311	Adonis aestivalis L.

Rosaceae

83.	S I	78ZS00010	Filipendula kamtschatica (Pall.) Maxim.; Russia, Sakhalin, Juzhnosachalinsk.
84.	G I	73GR00527	Rhaphiolepis umbellata (Thunb.) Makino

Rubiaceae

85.	S I	84GR00191	Coccocypselum guianense K.Schum.; French Guiana, no further details!

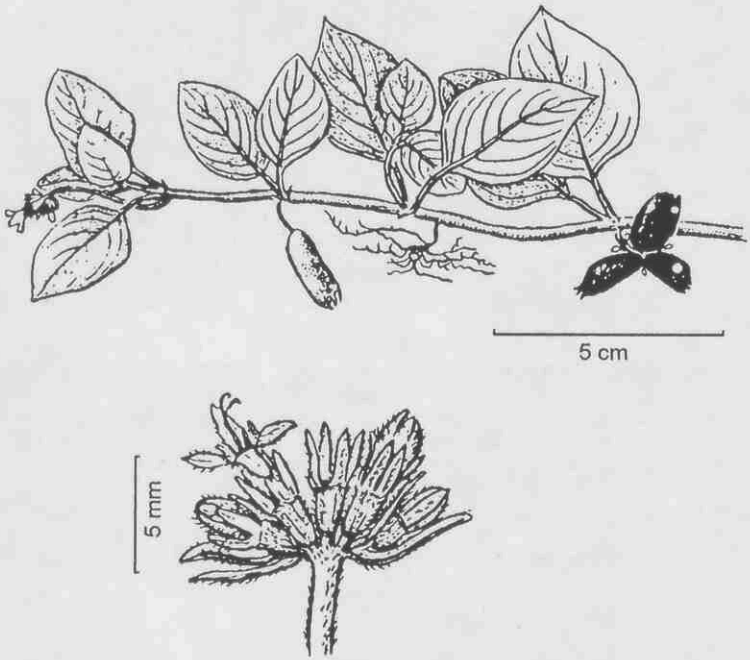

Fig. 1: Coccocypselum guianense (Rubiaceae)

86.	S I	92GR01485	Coccocypselum guianense K.Schum.; [G&W 442] Guyana, Santa Mission, disturbed forest.
87.	S I	87ZS00024	Rubia tinctorum L.; France, Dept. Gard, Aramon.
		Scrophulariaceae	
88.	G I	91GR00874	Calceolaria mexicana Benth.
89.	G I	55ZE00896	Calceolaria tripartita Ruiz & Pav.
90.	G I	68GR00129	Leucocarpus perfoliatus (Kunth) Benth.
91.	G I	66BL00018	Wulfenia carinthiaca Jacq.
92.	G I	71ZE00811	Zaluzianskya capensis (Benth.) Walp.
		Solanaceae	
93.	G I	89ZE00003	Schizanthus pinnatus Ruiz. & Pav.
		Sterculiaceae	
94.	G I	87GR00028	Abroma augusta (L.) L.f.
		Styracaceae	
95.	G I	64RD00305	Halesia carolina L. var. carolina
		Symplocaceae	
96.	G I	00ZG00909	Symplocos paniculata (Thunb. ex Murray) Miq.

Tropaeolaceae

97.	G I	56ZE02149	Tropaeolum peregrinum L.

Valerianaceae

98.	G I	71ZE01430	Centranthus macrosiphon Boiss.
99.	G I	70ZE02101	Fedia cornucopiae (L.) Gaertn.

Verbenaceae

100.	G I	76GR00299	Clerodendrum speciosissimum Van Geert
101.	G I	72ZE02197	Verbena rigida Spreng.

Zingiberaceae

102.	G S	68GR00016	Globba marantina L.; **bulbils!**
103.	G S	89GR00057	Globba winitii C.H.Wright; **bulbils!**

Verification:

The seeds in this list have been taken from verified plants and only if we were reasonably sure that cross-pollination with related species would be unlikely.

Explanation of provenance codes:

E=	Seeds directly from natural source.
S=	Seeds derived from a plant in cultivation but from known natural source (not necessarily F1 generation).
G=	Seeds from a plant from other Botanical Garden or Institute; not from known natural source.
K=	Nursery origin; not from known natural source.

Explanation of abbreviated collector-names:

F.BI	F. Billiet
HVDW	H. v.d. Werff
JCL	J.C. Lindeman
L&G	J.C. Lindeman & A.R.A. Görts
MAAS	P.J.M. Maas
CYT	Cytotaxonomy Utrecht University
MJJ	M.J.Jansen-Jacobs
PL	T. Plowman
PLKENN	T. Plowman & H. Kennedy
STOLZE	R.G. Stolze
WOLB	L.J.W. van den Wollenberg

Sources of illustrations used:

Fig. 1,2,5:	W.H.A. Hekking, Utrecht University Herbarium (U)
Fig. 3:	Ronald With in: Soper, James H. 1982. Shrubs of Ontario
Fig. 4:	R.H. Molenbrock (ed.) 1981. Illustr. Flora of Illinois

This Index Seminum has been produced on Chlorine-free paper.