

# **Index Seminum**

**Anno 2022**



**UNIVERSITEIT GENT**

**Photo cover: *Paeonia daurica* subsp. *wittmanniana* (Chantal Dugardin)**

## Hortus Botanicus Universitatis Gandavensis

### Ghent University Botanical Garden

Geographical location of the garden

Latitude: 51° 02' N

Longitude: 3° 43.5' E

Elevation: c. 10 m above sea level

Area 2.75 ha, with 4000 m<sup>2</sup> greenhouses

Founded in 1797, in its present position since 1902

Rainfall (average per year): 673.3 mm

Rainfall (mm average per month):

J	F	M	A	M	J	J	A	S	O	N	D
56.7	43.0	36.4	44.0	47.2	54.5	68.8	67.0	62.1	67.5	71.3	54.8

Temperature (average per month in °C):

J	F	M	A	M	J	J	A	S	O	N	D
3.0	3.3	6.6	9.6	13.7	16.5	18.5	18.2	15.7	11.1	6.4	3.7

Absolute minimum: -18.2 °C (1929)

Great efforts are made to check the identity of the plants grown in our botanical garden. However, we are aware that a certain amount of errors cannot be avoided. Your comments on the naming of the diaspores received from this garden are gratefully appreciated. All collected seed is the result of open pollination and neither purity nor germination is guaranteed.

### **Explanation of the codes**

Most of the seeds are harvested in the botanical garden. For seeds collected from plants of known wild origin, the donor (between brackets) and origin are mentioned.

### **Plant provenance code:**

The plants from which we collected seeds are:

W= of known wild origin

Z= descendants of plants of known wild origin in cultivation

G= of garden origin

U= of unknown origin

### **IPEN-number**

The IPEN-number consists of four elements:

1. ISO-code of the country of origin (two positions, XX means 'country of origin unknown')
2. One position which refers to restrictions of transfer that exist (1) or not (0)
3. Our garden code (GENT)
4. Accession number in our garden. The first four digits indicate the year of registration (1900 = unknown year of accession). The last four digits are a sequence number within the year of accession.

e.g. VE-0-GENT19781147

This plant material entered the garden in 1978 as accession no. 1147. It originated from Venezuela. There are no restrictions of transfer.

This Index Seminum can be searched through the global seed search system:

[ebgconsortiumindexseminum2022](http://ebgconsortiumindexseminum2022)

## SPERMATOPHYTES

- Adoxaceae**
- 1 *Sambucus racemosa* L. W PL-0-GENT-20140997  
(Wroclaw) Poland, vicinity of Bardo, Lower Silesian Voivodeship
- Agavaceae**
- 2 *Hastingsia alba* (Durand) S. Watson W US-0-GENT-20042011  
(Berkeley) United States, California, Siskiyou County, W of Weed, 976 m
- 3 *Hosta plantaginea* (Lamarck) Ascherson W CN-0-GENT-20031870  
(Shangai) China, Mt. Jingfu, 700 m
- Alliaceae**
- 4 *Allium lusitanicum* Lamarck W IT-0-GENT-20031923  
(Trieste) Italy, Trieste, Basovizza, 380 m
- Amaranthaceae**
- 5 *Pleuropetalum darwinii* J.D. Hooker G XX-0-GENT-19900484  
(München)
- Apiaceae**
- 6 *Dystaenia takeshimana* (Nakai) Kitagawa G XX-0-GENT-20191627  
(Jibou)
- 7 *Ferula communis* L. G XX-0-GENT-20020800  
(P. Goetghebeur)
- 8 *Opopanax chironium* (L.) Koch W FR-0-P-2009g065  
(Paris) France, Var, Plan de la Tour, le Baucas, 199 m
- 9 *Seseli montanum* L. W FR-0-GENT-19751215  
(Villers-les-Nancy) France, Thuilley-aux-Grosseilles, 230 m
- 10 *Thapsia garganica* L. G XX-0-GENT-20051447  
(J. Callens)
- Araceae**
- 11 *Arum concinatum* Schott G XX-0-GENT-20010171  
(Meise)
- 12 *Arum creticum* Boissier & von Heldreich G XX-0-GENT-20051131  
(Alresford)
- 13 *Arum purpureospathum* P.C. Boyce Z GR-0-GENT-19980417  
(Göteborg) Greece, Crete
- Aristolochiaceae**
- 14 *Aristolochia clematitis* L. G XX-0-GENT-20070931  
(Dresden)

<b>Asphodelaceae</b>		
15	<i>Aloe cryptopoda</i> Baker (Pretoria) South Africa	W ZA-0-GENT-19813307
16	<i>Asphodeline lutea</i> (L.) Reichenbach (Pisa) Italy, Madonie, Piano Zucchi, 1200 m	Z IT-0-GENT-19730716A
17	<i>Eremurus fuscus</i> (O.Fedtschenko) Vvedensky (Bonn) Kyrgyzstan, Arslambob, oberhalb Djerada, 1425 m	Z KG-0-BONN-28820
18	<i>Kniphofia hirsuta</i> Codd (München) South Africa, Drakensberg	Z ZA-0-GENT-20060207
<b>Asteraceae</b>		
19	<i>Hieracum tomentosum</i> L. (Utrecht)	G XX-0-GENT-20060971
20	<i>Tanacetum parthenium</i> (L.) Schultz Bipontinus (Bayreuth)	G XX-0-GENT-20090922
<b>Berberidaceae</b>		
21	<i>Nandina domestica</i> Thunberg (Hiroshima) Japan	W JP-0-GENT-20030025
22	<i>Podophyllum hexandrum</i> Royle (A. Huttert) China, Yunnan, Birong Valley	W CN-0-GENT-20012230
<b>Betulaceae</b>		
23	<i>Alnus firma</i> Siebold & Zuccarini (Rotterdam) Japan, Goshikinuma	W JP-0-GENT-20102150
24	<i>Corylus americana</i> Walter (Meise) United States, Indiana, Fulton County	W US-0-BR-19792835
<b>Boraginaceae</b>		
25	<i>Echium vulgare</i> L. (A. Herman) Prov. Namen, Ravel - Ligne 156, omgeving Doische	W BE-0-GENT-20222330
<b>Brassicaceae</b>		
26	<i>Aethionema saxatile</i> (L.) R. Brown (Frankfurt am Main) France, Granile, 980 m	Z FR-0-FRT-1991/322
27	<i>Iberis sempervirens</i> L. (Neuchâtel) Italy, Alpes Maritimes	W IT-0-GENT-19760188
<b>Campanulaceae</b>		
28	<i>Azorina vidalii</i> (H.C.Watson) Feer (Berlin) Portugal, Azores, Flores, 40 m	Z PT-0-B-0481080

- Cannaceae**
- 29 *Canna tuerckheimii* Kränzlin W EC-0-GENT-19931767  
(Utrecht) Ecuador, Alluriquin, area between Sto. Domingo de los Colorados and Quito, Mt. Forest, 850 m
- 30 *Canna paniculata* Ruiz & Pavon Z BR-0-BR-19902047  
(Meise) Brasil, Rio de Janeiro, Floresta da Tijuca
- Caprifoliaceae**
- 31 *Dispsacus fullonum* L. W BE-0-GENT-20222328  
(A. Herman) Belgium, Prov. Namen, Ravel - Ligne 156, Doische
- 32 *Lonicera vesicaria* Komarov G XX-0-GENT-20011976  
(Newcastle upon Tyne)
- Caryophyllaceae**
- 33 *Atactum compactum* (Fischer) Oxelman Z GE-0-BONN-18483  
(Klagenfurt) Georgia, Mzcheta-Mtianeti, Gergeti Trinity Church
- 34 *Dianthus plumarius* L. W FR-0-GENT-19770717B  
(Montpellier) France, l'Hérault
- 35 *Dianthus diffusus* Smith W TR-0-GENT-19970105  
(Izmir) Turkey, Yamanlardagi-Izmir
- 36 *Dianthus preobrazhenskii* Klokov G XX-0-GENT-20031795  
(Utrecht)
- 37 *Silene paradoxa* L. Z FR-0-P-2012g153  
(Plzen) France, Haute Corse, Corte, rte de Sta Lucia di Mercurio, 430 m
- 38 *Silene waldsteinii* Grisebach G XX-0-GENT-20041254  
(Meise)
- Cistaceae**
- 39 *Cistus monspeliensis* L. W PT-0-GENT-20031488  
(Coimbra) Portugal
- 40 *Cistus populifolius* L. subsp. *populifolius* W PT-0-GENT-20031485  
(Coimbra) Portugal
- 41 *Cistus salviifolius* L. W FR-0-GENT-20040796  
(Paris) France, Landes, Capbreton
- Crassulaceae**
- 42 *Sempervivum heuffelii* Schott W BG-0-GENT-20030626  
(Sofia) Bulgaria, Mons Vitosha
- Cupressaceae**
- 43 *Cryptomeria japonica* (Thunberg ex L.f.) D. Don W KR-0-GENT-20040628  
(Chungchong Namdo) South Korea, Byonsan, Jeolla-Bukdo

<b>Cyperaceae</b>			
44	<i>Carex</i>	<i>calderae</i> A.Hansen (Oslo) Spain, Canary Islands, Tenerife	W IC-0-GENT-19790175
45	<i>Carex</i>	<i>intumescens</i> Rudge (Montreal) Canada, Québec, MRC Québec, Saint-Augustin-de-Desmaures, 3 m	W CA-0-GENT-20121087
46	<i>Carex</i>	<i>parviflora</i> Host (Grenoble) France, Département des Hautes-Alpes, Col Agnel, 2700 m	W FR-0-GENT-20111884
47	<i>Rhynchospora</i>	<i>corymbosa</i> (L.) Britton (M. Reynders) Cameroon, Inselberg near Yaounde	W CM-0-GENT-20071418
48	<i>Scirpoides</i>	<i>holoschoenus</i> (L.) Sojak (Tehran) Iran, Kermanshah Province, Paveh, west Kerend, west Eslamabad, Ravancar, 2020 m	W IR-0-GENT-20051051
49	<i>Scirpus</i>	<i>sylvaticus</i> L. (P. Goetghebeur) Belgium, Gent, Bourgoyen	W BE-0-GENT-20020966
<b>Dioscoreaceae</b>			
50	<i>Dioscorea</i>	<i>communis</i> (L.) Caddick & Wilkin (Ljubljana) Slovenia, Kal rad Hrastnikom	W SI-0-GENT-20152208
<b>Ephedraceae</b>			
51	<i>Ephedra</i>	<i>helvetica</i> C.A.Meyer (Chambésy-Genève) Switzerland, Valais, 600 m	W CH-0-GENT-19710586
<b>Ericaceae</b>			
52	<i>Pieris</i>	<i>japonica</i> (Thunberg) D.Don ex G.Don var. <i>yakushimensis</i> T.Yamazaki (Wespelaar)	G XX-0-GENT-19981114
<b>Fabaceae</b>			
53	<i>Carmichaelia</i>	<i>enysii</i> Kirk (Zundert)	G XX-0-GENT-20041898
54	<i>Indigofera</i>	<i>heterantha</i> Wallich ex Brandis (Guancourt)	G XX-0-GENT-19804017
<b>Francoaceae</b>			
55	<i>Melianthus</i>	<i>elongatus</i> Wijnands (Latte)	G XX-0-GENT-20011462
<b>Hemerocallidaceae</b>			
56	<i>Hemerocallis</i>	<i>middendorffii</i> Trautvetter & C.A.Meyer (M. Foster) Mongolia	W MN-0-GENT-20091579
57	<i>Hemerocallis</i>	<i>middendorffii</i> Trautvetter & C.A.Meyer (Tartu) Russian Federation, Sichote-Alin Mts., Udom	Z RU-0-GENT-20101288

- Hyacinthaceae**
- 58 *Ornithogalum viridiflorum* (I.Verdoorn) J.C.Manning G XX-0-GENT-19940022  
& Goldblatt  
(Zwolle)
- Hydrangeaceae**
- 59 *Hydrangea radiata* Walter W US-0-GENT-20010238  
(Lisle) United States, Big Hungry Gorge, Henderson County, North Carolina, 582 m
- 60 *Hydrangea sargentiana* Rehder W CN-0-GENT-20152525  
(Y. De Smet) China, Hubei
- 61 *Jamesia americana* Torrey & A. Gray W US-0-GENT-20012244  
(D. De Vos) United States, New Mexico, Sandia National Parc
- 62 *Philadelphus schrenkii* Ruprecht W CN-0-GENT-19980492  
(Lisle) China, Jilin Province, Changbai mountains
- Iridaceae**
- 63 *Iris klattii* Kemularia-Nathadze W AZ-0-FRP-26940  
(Frankfurt am Main) Azerbaijan, Prov. Talysch Ecological-Botanical Garden Pyatigorsk
- 64 *Libertia chilensis* (Molina) Gunckel W ES-0-GENT-19730688  
(L. De Clercq) Spain, Malaga, Torremolinos
- 65 *Libertia ixiooides* (G.Forster) Sprengel G XX-0-GENT-20000661  
(Meise)
- Lamiaceae**
- 66 *Clerodendrum trichotomum* Thunberg W KR-0-GENT-20070164  
(Chungchong Namdo) South Korea, Gosan-myon, Wanju-gun, Jeollabuk-do
- 67 *Phlomis chrysophylla* Boissier W LB-0-GENT-20100896  
(Jerusalem) Lebanon
- Nitrariaceae**
- 68 *Peganum harmala* L. Z CN-0-GENT-20130274  
(Göttingen)
- Ochnaceae**
- 69 *Ochna kirkii* Oliver G XX-0-GENT-19950453  
(Bogor)
- Orchidaceae**
- 70 *Bletilla striata* Reichenbach f. U XX-0-GENT-19004525
- Paeoniaceae**
- 71 *Paeonia officinalis* L. subsp. *villosa* (Huth) G XX-0-GENT-19922003  
Cullen & Heywood  
(Frankfurt am Main)



<b>Papaveraceae</b>		
72	<i>Papaver rhoeas</i> L. (Gent) Belgium, Gent, Plantentuin	W BE-0-GENT-20222354
<b>Pittosporaceae</b>		
73	<i>Bursaria spinosa</i> Cavanilles (Zundert)	G XX-0-GENT-20061530
<b>Plantaginaceae</b>		
74	<i>Digitalis lutea</i> L. (Brussel) Belgium, Namur, Belvaux	W BE-0-GENT-20040157
75	<i>Globularia cordifolia</i> L. (Klagenfurt) Austria, Hochobir Süd, 1100 m	W AU-0-GENT-19860652
76	<i>Hebe salicifolia</i> (G.Forster) Pennell (Dunedin) New Zealand, Flagstaff, Dunedin	W NZ-0-GENT-19970293
77	<i>Linaria supina</i> (L.) Chazelles (G. Van Strydonck) Belgium, Gent	W BE-0-GENT-20222450
78	<i>Plantago media</i> L. (Trieste) Italy, Trieste, Basovizza, 360 m	W JP-0-GENT-20031925
79	<i>Veronica gentianoides</i> Vahl (St. Kruis Brugge)	G XX-0-GENT-20180770
<b>Poaceae</b>		
80	<i>Briza minor</i> L. (A. Herman) Belgium, Tienne, Agimont	W BE-0-GENT-20222327
<b>Polygonaceae</b>		
81	<i>Bistorta officinalis</i> Delarbre (Jena) Germany, Thalbürgel, Bürgel	W DE-0-GENT-19830391
82	<i>Rumex scutatus</i> L. (K. Otten) Croatia, Jablanac, Zaviatnica bay	W HR-0-GENT-20060393
<b>Primulaceae</b>		
83	<i>Ardisia lurida</i> Blume (Bogor)	G XX-0-GENT-19782422
84	<i>Primula veris</i> L. (M. Libert) Belgium, Beerlegem, Hof ter Biezen	W BE-0-GENT-20211727
<b>Ranunculaceae</b>		
85	<i>Clematis vitalba</i> L. (A. Herman) Prov. Namen, Ravel - Ligne 156, omgeving Doische	W BE-0-GENT-20222329
<b>Rosaceae</b>		
86	<i>Crataegus intricata</i> Lange (Rostock)	G XX-0-GENT-19711040

- 87 *Drymocallis arguta* (Pursh) Rydberg Z CA-0-REYK-1998/002  
(Reykjavik) Canada, Alberta, 20 km E of Edmonton, just E of Nisku, 700 m
- Rubiaceae**
- 88 *Rubia argyi* (H.Léveillé & Vaniot) H.Hara W JP-0-GENT-20041013  
(Matsudo City) Japan, Oukuwa, Nagano-hara-machi, Gunma Pref. (Kantou District)
- Rutaceae**
- 89 *Cneorum tricoccon* L. W ES-0-GENT-19960260  
(Soller) Spain, Baleares, Eivissa, Ses Balandres
- 90 *Ruta corsica* de Candolle G XX-0-GENT-20142144  
(Raleigh)
- 91 *Ruta chalepensis* L. G PT-0-MADJ-116-2011  
(Funchal)
- 92 *Ruta graveolens* L. G XX-0-GENT-20141840  
(Lodz)
- Sapindaceae**
- 93 *Acer circinatum* Pursh W US-0-GENT-20012303A  
(Seattle) United States, Washington; Skamania County, Gifford Pinchot National Forest, 792 m
- 94 *Koelreuteria paniculata* Laxmann W KR-0-GENT-20070596  
(Gyeongg-do) South Korea, Deogyusan (Mt.), Jeollabuk-do
- Saxifragaceae**
- 95 *Bensoniella oregona* (Abrams & Bacigalupi) C.V.Morton G XX-0-GENT-20011157  
(Frankfurt am Main)
- 96 *Peltoboykinia watanabei* (Yatabe) H.Hara G XX-0-GENT-19951081  
(Meise)
- Scrophulariaceae**
- 97 *Buddleja alternifolia* Maximowicz G XX-0-GENT-19980330  
(Leipzig)
- 98 *Hebe salicifolia* (G.Forster) Pennell W NZ-0-GENT-19922319  
(Dunedin) New Zealand
- Solanaceae**
- 99 *Atropa bella-donna* L. W CH-0-GENT-19720921A  
(Champex) Switzerland, Valais Central, 1200 m
- 100 *Browallia speciosa* W.J.Hooker G XX-0-GENT-20220496  
(Krefeld)
- Staphyleaceae**
- 101 *Staphylea trifolia* L. W US-0-GENT-19940010  
(Lisle) United States, Illinois, Will County

**Styracaceae**

- 102 *Pterostyrax hispidus* Siebold & Zuccarini W JP-0-GENT-20060709  
(Kanagawa-ken) Japan, Tanzawa, Yamakita Nakagawa, 650 - 900 m

**Theaceae**

- 103 *Stewartia monodelpha* Siebold & Zuccarini G XX-0-GENT-19960511  
(Sendai)

**Zingiberaceae**

- 104 *Hedychium spicatum* Smith W CN-0-GENT-20031933

## **Ghent University Botanical Garden**

Our staff:

hortulana

Chantal Dugardin

botanical expert

Paul Goetghebeur

plant identification officer

Jan De Langhe

gardeners

Ritchy De Kraey

Olivier Dubois

Herbert Evrard

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Phaedra Lagaet

Ann Herman

Marc Libert

Stephan Vandewalle

Guy Van Der Kinderen

Gilles Van Strydonck

DiSSCo-project

Costantino Laureanti

Many volunteers contributed to this seed list and to the preparation of the seed packets.

### **Additional information**

*Website:* <http://www.plantentuin.ugent.be>

### **Supply of plant material**

Pursuant to the Convention on Biological Diversity (Rio de Janeiro, 1992) the Ghent University Botanical Garden supplies the plant material listed in this catalogue in accordance with the Code of Conduct for Botanic Gardens and similar collections.

We are member of IPEN (International Plant Exchange Network) and can exchange material with other IPEN members without bilateral agreement.

Non IPEN-members have to return the “Agreement on the supply of living plant material for non-commercial purposes leaving the International Plant Exchange Network” which must be signed by authorized staff. This agreement is printed on the back side of the order form.

Correspondents should check with their own authorities concerning import regulations and include any necessary permits with their order.

## **Agreement on the supply of living plant material <sup>1</sup> for non-commercial purposes leaving the International Plant Exchange Network (IPEN version 2b)**

Against the background of the provisions and decisions of the Convention on Biological Diversity of 1992 (CBD) and in particular those on access to genetic resources and benefit sharing, the garden is dedicated to promoting the conservation, sustainable use, and research of biological diversity. The garden therefore expects its partners in acquiring, maintaining and transferring plant material to always act in accordance with the CBD and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material passes on to the recipient upon receipt of the material. The requested plant material will be supplied to the recipient only on the following conditions:

1. Based on this agreement, the plant material is supplied only for non-commercial use such as scientific study and educational purposes as well as environmental protection. Should the recipient at a later date intend a commercial use or a transfer for commercial use, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred. The recipient is responsible for ensuring an equitable sharing of benefits.
2. On receiving the plant material, the recipient endeavors to document the received plant material, its origin (country of origin, first receiving garden, 'donor' of the plant material, year of collection) as well as the acquisition and transfer conditions in a comprehensible manner.
3. In the event that scientific publications are produced based on the supplied plant material, the recipient is obliged to indicate the origin of the material (the supplying garden and if known the country of origin) and to send these publications to the garden and to the country of origin without request.
4. On request, the garden will forward relevant information on the transfer of the plant material to the body charged with implementing the CBD<sup>2</sup>.
5. The recipient may transfer the received plant material to third parties only under these terms and conditions and must document the transfer in a suitable manner. (e.g. by using the documentation form, such as provided in Annex 1.4<sup>3</sup>)

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I accept the above conditions.

Date, Signature

Recipient's name and address, stamp

<sup>1</sup> According to the CBD 'genetic resources' means genetic material of actual or potential value. This definition covers both living and not living plant material. The Code of Conduct and the IPEN covers only the exchange of living plant material (living plants or parts of plants, diaspores) thus falling in the definition of genetic resources.

<sup>2</sup> ideally, the national focal point in the garden's home country.

<sup>3</sup> The material always needs to be accompanied by its IPEN-number, consisting of the identification code of the first IPEN member garden that received the material from outside the network, together with the garden's accession-number for the plant material. Additionally the country of origin and the terms and conditions under which the material was acquired from the country of origin and other stake-holders must accompany the material. When leaving the IPEN-network, also the name and address of the first IPEN-garden must be included. This documentation stays attached to the material wherever it goes.

**Index seminar HBUG 2021**

Your address :

Your desiderata :


Please indicate your requests, one number per box, and forward to:

Plantentuin Universiteit Gent

K.L. Ledeganckstraat 35

B-9000 Gent

e-mail: [chantal.dugardin@ugent.be](mailto:chantal.dugardin@ugent.be)

**Attention:** non IPEN members please complete the agreement on the supply of living plant material.