

Index Seminarum - ANNO 2024



Photo cover: 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 m² 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= seeds harvested in the wild

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 is available online on the BGCI Index Seminum platform.

SPERMATOPHYTES

Amaryllidaceae

1. *Allium nutans* L. W RU-0-SON-2010-263
(HBU Osnabrück) Russia; Altaisky Krai, Krasnoschekovsky r-n, Fl. Tscharysch, gegenüber
Mündung Fl. Inja; 51°25'47"N 83°00'53"E; alt. 317m; coll. N.Friesen

Apiaceae

2. *Visnaga daucooides* Gaertn. G PT-0-KIEL-2019 0781-
(HBU Kiel)

Apocynaceae

3. *Asclepias nivea* L. Z CU-0-FRP-22081
(Palmengarten Frankfurt am Main) Cuba; Prov. Pinar del Fio, San Ubaldo, Reserva Natural,
Pine and Palm savanna on white sand; 22°04'N 84°01'W; coll. Mangelsdorff, R.,
22/09/1999

Araceae

4. *Arum pictum* L.f. W FR-0-GENT-19910857
(HB Lyon) France; Corse

Aristolochiaceae

5. *Aristolochia macroura* Gomes G XX-0-STUTZ-000288
(HB Stuttgart)

Asparagaceae

6. *Galtonia viridiflorum* (I.Verdoorn) J.C.Manning & Goldblatt G XX-0-GENT-19940022
(Zwolle)
7. *Hastingsia alba* (Durand) S.Watson W US-0-GENT-20042011
(HBU California) USA; California, Siskiyou County, W of Weed; Stewart Springs Road near
junction with Old Hwy. 99; 41°26'N 122°27'W; coll. Raiche, R., Smith, N., Forbes, H. 018
8. *Hosta plantaginea* (Lam.) Asch. W CN-0-GENT-20031870
(HB Shanghai) China; Mt. Jingfu, Alt. 700m

Asphodelaceae

9. *Aloe prostrata* (H.Perrier) L.E.Newton & G.D.Rowley Z MG-0-HEID-104889
(HBU Tübingen) Madagascar; Prov. Toliary, Analavelona-Gebirge: "steiniger lockerer
Wald"; coll. Ralph D. Mangelsdorff (no. Pseudo Rauh 75588)

10. *Trachyandra hispida* (L.) Kunth G XX-0-GENT-20130353
(Alpengarten im Belvedere, Wien)

Asteraceae

11. *Haplopappus glutinosus* Cass. W AR-0-U-2022BL01627
(HBU Utrecht) Argentina; Neuquén Province, Cordillera de Los Andes, alt. 1680 m

Boraginaceae

12. *Codon schenckii* Schinz W NA-0-BONN-32722
(HBU Innsbruck - ex HB Bonn) Namibia; Kaokoveld; coll. Linterman, M.
13. *Echium vulgare* L. W BE-0-GENT-20241967
(HB Ghent) Belgium; Viroin, Fondry des Chiens; coll. Ann Herman

Cactaceae

14. *Coryphantha sulcata* (Engelm.) Britton & Rose G XX-0-GENT-19620207
(HB Marnier)

Caryophyllaceae

15. *Dianthus diffusus* Sm. W TR-0-GENT-19970105
(HB Izmir) Turkey; Yamanlardagi-Izmir
16. *Pollichia campestris* Aiton G XX-0-GENT-20170907
(HB Prague)
17. *Silene baccifera* (L.) Durande G XX-0-GENT-19971527
(Ghent)
18. *Silene paradoxa* L. Z FR-0-P-2012g153
(HB Plzen - ex HB Paris) France; Haute Corse, Corte, rte de Sta Lucia di Mercurio,
alt. 430 m

Convolvulaceae

19. *Convolvulus farinosus* L. G XX-0-HOH-SYS-K-10879
(HBU Hohenheim)
20. *Cuscuta epithymum* (L.) L. W BE-0-GENT-20241962
(HB Ghent) Belgium; Agimont, Bois De Wagne; coll. Ann Herman

Costaceae

21. *Chamaecostus congestiflorus* (Rich. ex Gagnep.) C.D.Specht & D.W.Stev. (HBU Düsseldorf) French-Guiana; Nouringes NP Z GF-0- ULM-2005-G-164

Crassulaceae

22. *Hylotelephium maximum* (L.) Holub. (HB Greifswald) Germany; Insel Rügen; coll. Handt, I. W DE-0-GENT-20030851
23. *Petrosedum sediforme* (Jacq.) Grulich (HB Lyon) Spain; Ronda, Andalucia, on calcareous rocks; coll. G. Dutartre Z SP-0-LYJB-995452

Cucurbitaceae

24. *Zehneria pallidinervia* (Harms) C.Jeffrey (HBU Lublin) G XX-0-GENT-20220660

Cupressaceae

25. *Cryptomeria japonica* (Thunb. ex L.f.) D.Don (HB Hangzhou) G XX-0-GENT-19820535

Cyperaceae

26. *Carex atrata* L. (HB Plzen -ex HB Bonn) Georgia; Region Khevi, road from Gveleti to Derdoraki; 1800m-2100m Z GE-0-BONN-18474
27. *Carex paniculata* L. subsp. *calderae* (A.Hansen) Lewej. & Lobin (HBU Oslo) Spain; Canary Islands, Tenerife; coll. Liv Borgen & Paidar Elven W IC-0-GENT-19790175
28. *Carex podocarpa* R.Br. (HBU Jena) USA; Montana, Glacier National Park Z US-0-JENA-7397590-40
29. *Cyperus ustulatus* A.Rich. (HB Ghent) New Zealand; coll. Guy Van Der Kinderen W NZ-0-GENT-20230919

Fabaceae

30. *Colutea bushei* (Boiss.) Shap. (HB Tehran) Iran; ca. 50km N of Semnan, alt. 2100m W IR-0-GENT-19841923

Iridaceae

31. *Libertia sessiliflora* (Poepp.) Skottsb. W CL-0-GENT-20010422
(HBU Dresden) Chile; VII Region, West of Talca, South of Curanipe, Tregualemu;
coll. S. Hahn

Loasaceae

32. *Aosa rupestris* (Gardner) Weigend G XX-0-ULM-2010-G-40
(HBU Ulm)

Malvaceae

33. *Malva verticillata* L. var. *crispa* L. G XX-0-GENT-20060471
(ex HB Uppsala)

Melianthaceae

34. *Melianthus elongatus* Wijnands G XX-0-GENT-20011462
(HB Latte)

Ochnaceae

35. *Ochna kirkii* Oliv. G XX-0-GENT-19950453
(HB Bogor)

Orobanchaceae

36. *Orobanche hederæ* Duby W BE-0-GENT-20232168
(HB Gent) Belgium; Ghent, Botanical Garden Ghent University

Phyllanthaceae

37. *Phyllanthus grandifolius* L. G XX-0-GENT-20170465
(HB Tallinn)

Ranunculaceae

38. *Nigella orientalis* L. Z MD-0-GENT-20232091
(HB Kiev) Moldavia; Chisinau
39. *Trautvetteria fontecalcareæ* Floden Z US-0-GB-2018-1226
(HB Göteborg) USA; Tennessee, Campbell County, on the east side of Pine Hollow Road;
ca. 0.5 air miles east of the west fork of the Norris Lake, alt. 335m; 36°16'N 84°08'W;
coll. Johan Nilson & Peter Zale GLUE081

Rosaceae

40. *Cotoneaster frigidus* Wall. ex Lindl. Z NP-0-GENT-20140603
(HBU Strasbourg - ex HB Berlin) Nepal; Buri Gandaki, Bangsam, alt. 2300m

41. *Cotoneaster laxiflorus* J.Jacq. ex Lindl. W RU-0-GENT-20040288B
(HBU Strasbourg - ex HB Kirovsk) Russia; Murmansk Region, Chibiny Mountains
42. *Cotoneaster rhytidophyllus* Rehder & E.H.Wilson W CN-0-GENT-20040289A
(HBU Strasbourg - ex HB Shangai) China; Sichuan, Mt. Omei, alt. 2500m
43. *Drymocallis arguta* (Pursh) Rydb. Z CA-0-REYK-1998/002
(HB Reykjavik) Canada; Alberta, 20 km E of Edmonton, just E of Nisku, alt. 700m
44. *Ligustrum foliosum* Nakai W KR-0-GENT-19831009
(Suweon) South Korea; Suweon, Kwanak Arboretum

Rutaceae

45. *Cneorum tricoccum* L. W ES-0-GENT-19960260
(HB Soller) Spain; Balearic Islands, Eivissa, Ses Balandres

Saxifragaceae

46. *Bensoniella oregona* (Abrams & Bacig.) C.V.Morton G XX-0-GENT-20011157
(HBU Frankfurt am Main)
47. *Elmera racemosa* (S.Watson) Rydb. G XX-0-GENT-20160037
(HB Basançon)

Turneraceae

48. *Turnera diffusa* Willd. ex Schult. G XX-0-GENT-20221245
(HBU Warszawa)

Vitaceae

49. *Nekemias megalophylla* (Diels & Gilg) J.Wen & Z.L.Nie G XX-0-DATH-3537
(HB Darmstadt)

Ghent University Museum & Botanical Garden

Our staff:

Hortulana
Chantal Dugardin

Collection manager
Kenneth Bauters

Scientific employee (parttime)
Phaedra Lagaet

Gardeners
Ritchy De Kraey
Olivier Dubois
Herbert Evrard
Agata Iwaszkiewicz
Phaedra Lagaet
Ann Herman
Stephan Vandewalle
Gilles Van Strydonck

DiSSCo-project
Berdien Daniels

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

Additional information

<http://www.gum.gent/en/ghent-botanical-garden>

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 ¹ 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 CBD².
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 1.4³)

I accept the above conditions.

Date, Signature

Recipient's name and address, stamp

¹ According to the CBD 'genetic sources' 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.

² ideally, the national focal point in the garden's home country.

³ 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.

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