

MISSOURI BOTANICAL GARDEN

Index Seminar 2022



4344 Shaw Boulevard, Saint Louis, MO 63110, United States of America

GENERAL INFORMATION

Missouri Botanical Garden is pleased to offer its eleventh annual *Index Seminum*. Most seed is collected from naturally occurring populations. Species that are known weeds in disturbed areas in North America, known to be invasive to North America or other continents, and related species known to be invasive to North America or other continents have been excluded from the list. While we have made every effort to ensure that we are not distributing invasive or potentially invasive plants, selections should be made carefully with consideration of the environment in which the species will be grown.

We support the Convention on Biological Diversity. The seeds offered here are for the use of the common good in the areas of research and development of public gardens and plant collections. They should not be used for commercial profit. If publications result from the use of this material, we expect acknowledgement as the source of the material and an unsolicited reprint of any publication.

Missouri Botanical Garden is a member of the International Plant Exchange Network (IPEN). IPEN numbers are assigned to all plants that may be distributed. The IPEN number remains connected to the plant material and its derivatives through all generations to come. The IPEN number consists of the following:

1. Country of origin (two positions, abbreviation according to [ISO 3166-1-alpha-2](#), "XX" is used for seeds of plants of non-wild origin).
2. Restrictions of transfer (one position, "1" if there exist a restriction, "0" if none).
3. Garden code, which can be found on [Utrecht Botanic Garden's website](#).
4. Identification number (accession number of the specific garden. Example: 2004-149 or 03214, whatever the specific recording system of the gardens generates).

GEOGRAPHICAL DATA

Most seeds offerings listed below were collected from three of the four Natural Divisions within the state of Missouri: the Ozark Border Division (St. Louis and Franklin Counties); the Mississippi Lowlands located in the Missouri boot heel along the Mississippi River (Scott and Stoddard Counties); and the Ozark Highlands, located in south-central Missouri and northern Arkansas (Lawrence, Ozark, Reynolds, and Washington Counties). In general, Missouri's four eco-regions are separated by the Missouri and Mississippi Rivers, which divide the rolling prairie lands of northern Missouri which were formed by glaciers, from the Ozark Plateau that was formed by uplift and erosion.

CLIMATE CONDITIONS IN ST. LOUIS (2010-2020)

Average annual precipitation	1132.6 mm	Mean July temperature	27.7°C
Average annual snow	502.9 mm	Mean January temperature	0.2°C
Average temperature	14.7°C		

SEED SELECTIONS

Requests are limited to 10 items and must be submitted by August 1st, 2022. Please submit requests to via email to katherine.freeman@mobot.org or mail requests to: Missouri Botanical Garden, c/o Katherine Freeman/ Plant Records, 4344 Shaw Blvd., St. Louis, MO 63110, U.S.A.

NON INDEX SEMINUM PLANT MATERIAL REQUESTS

Requests for plant material not offered on our index seminum are reviewed on a case-by-case basis and can be submitted online through the [Plant Material Request form](#). The Missouri Botanical Garden will provide assistance for most requests from researchers or fellow botanical gardens free of charge, as staff resources allow. The Garden reserves the right to deny access to plant material based on the restrictions placed on the material by the country of origin, owner, or specific permit conditions. Requests originating from foreign countries must be accompanied by the proper import permits and mailing labels for importation purposes. A fee will be charged to cover shipping and phytosanitary certificates for all international requests on non index seminum requests.

ASTERACEAE

01. *Coreopsis lanceolata* L. ([IPEN US-0-MO-2015-1171](#))
Collected 07/16/2015, Franklin County, Missouri.
02. *Helianthus angustifolius* L. ([IPEN US-0-MO-2017-2631](#))
Collected 10/05/2017, Scott County, Missouri.
03. *Marshallia caespitosa* var. *signata* Beadle & F.E. Boynton ([IPEN US-0-MO-2020-0770](#))
Collected 07/02/2020, Ozark County, Missouri.
04. *Solidago riddellii* Frank ex Riddell. ([IPEN US-0-MO-2015-1769](#))
Collected 10/29/2015, Washington County, Missouri.
05. *Solidago ulmifolia* Muehlenb. ex Willd. ([IPEN US-0-MO-2016-2350](#))
Collected 11/04/2016, Franklin County, Missouri.

CARYOPHYLLACEAE

06. *Silene regia* Sims ([IPEN US-0-MO-2020-1210](#))
Collected 09/03/2020, Lawrence County, Missouri.

CYPERACEAE

07. *Carex annectens* var. *annectens* ([IPEN US-0-MO-2016-1411](#))
Collected 07/04/2016, Reynolds County, Missouri.
08. *Carex molesta* Mack. ex Bright ([IPEN US-0-MO-2016-1117](#))
Collected 06/10/2016, Franklin County, Missouri.
09. *Carex vulpinoidea* Michaux ([IPEN US-0-MO-2016-1410](#))
Collected 07/04/2016, Reynolds County, Missouri.

GENTIANACEAE

10. *Gentiana septemfida* Pall. ([IPEN GE-0-MO-2019-2547](#))
Collected 09/27/2019, Borjomi municipality, Samtskhe-javakheti, Republic of Georgia

HYDRANGEACEAE

11. *Hydrangea arborescens* L. ([IPEN US-0-MO-2019-1932](#))
Collected 10/01/2019, Highland County, Virginia.
12. *Philadelphus caucasicus* Koehne ([IPEN GE-0-MO-2019-2551](#))
Collected 09/27/2019, Borjomi municipality, Samtskhe-javakheti, Republic of Georgia

HYDROLEACEAE

13. *Hydrolea uniflora* Raf. ([IPEN US-0-MO-2017-2756](#))
Collected 10/18/2017, Stoddard County, Missouri.

HYPERICACEAE

14. *Hypericum androsaemum* L. ([IPEN GE-0-MO-2019-2539](#))
Collected 09/26/2019, Borjomi municipality, Samtskhe-javakheti, Republic of Georgia
15. *Triadenum walteri* (J.F. Gmel.) Gleason ([IPEN US-0-MO-2017-2718](#))
Collected 10/17/2017, Stoddard County, Missouri.

JUNCACEAE

16. *Juncus acuminatus* Michx. ([IPEN US-0-MO-2016-1207](#))

Collected 06/13/2016, Reynolds County, Missouri.

MELANTHIACEAE

17. *Melanthium virginicum* L. ([IPEN US-0-MO-2015-1722](#))

Collected 10/23/2015, Washington County, Missouri.

ONAGRACEAE

18. *Oenothera biennis* L. ([IPEN US-0-MO-2016-1876](#))

Collected 09/21/2016, St. Louis County, Missouri.

PLANTAGINACEAE

19. *Isoplexis canariensis* (L.) Lindl. ex G. Don. ([IPEN ES-0-MO-2016-1328](#))

Collected 08/15/2019 From plant grown in Missouri Botanical Garden conservatory.

Parent plant grown from seed collected from El Bailadero UTM, Tenerife, Canary Islands
by Jardin Botanico Canario 'Viera Y Clavijo' staff on July 11, 2016.

POACEAE

20. *Eragrostis intermedia* var. *intermedia* ([IPEN US-0-MO-2017-2526](#))

Collected 09/22/2017, Taney County, Missouri.

21. *Eragrostis spectabilis* (Pursh) Steud. ([IPEN US-0-MO-2017-2513](#))

Collected 09/21/2017, Taney County, Missouri.

22. *Eragrostis spectabilis* (Pursh) Steud. ([IPEN US-0-MO-2017-2635](#))

Collected 10/05/2017, Scott County, Missouri.

23. *Leptochloa fusca* subsp. *fascicularis* (Lam.) N. Snow ([IPEN US-0-MO-2017-2537](#))

Collected 09/26/2017, St. Louis County, Missouri.

24. *Muhlenbergia glabrifloris* Scribn. ([IPEN US-0-MO-2015-1879](#))

Collected 11/05/2015, Lincoln County, Missouri.

POLYGONACEAE

25. *Rumex stenophyllus* Ledeb. ([IPEN US-0-MO-2020-1057](#))

Collected 08/06/2020, St. Charles County, Missouri.

RANUNCULACEAE

26. *Clematis vitalba* L. ([IPEN GE-0-MO-2019-2528](#))

Collected 09/21/2019, Ananuri County, Mtskheta-Mtianeti, Republic of Georgia

ROSACEAE

27. *Potentilla norvegica* L. ([IPEN US-0-MO-2020-1059](#))

Collected 08/06/2020, St. Charles County, Missouri.

SAXIFRAGACEAE

28. *Boykinia aconitifolia* Nutt. ([IPEN US-0-MO-2019-2001](#))

Collected 09/27/2019, Giles County, Virginia.

29. *Heuchera villosa* Michx. ([IPEN US-0-MO-2019-1960](#))

Collected 09/29/2019, Giles County, Virginia.



Melanthium virginicum



Coreopsis lanceolata



Eragrostis spectabilis



Boykinia aconitifolia



Helianthus angustifolius



Isoplexis canariensis



Triadenum walteri



Silene regia



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