



UNIVERSITY OF BERGEN

**Index Seminum
2024**



**The University Gardens
University of Bergen
Norway**

The Bergen University Gardens' Index Seminum includes separate lists for spontaneous and garden-origin accessions. This year, we offer wild-collected seeds from different localities in Norway.

We conducted the work under permits issued by the pertinent government authorities and documented our field observations in iNaturalist, these are presented in a separate project: <https://www.inaturalist.org/projects/bergen-irisbg-export>.

In response to the International Convention on Biological Diversity, the seeds are supplied to other botanical gardens and research institutions on the following conditions:

1) The seeds will be used for the common good in the areas of research, education, conservation, and the development of botanical gardens.

2) Information on the material will be appropriately stored and the connection between the information and the material will be maintained.

3) If scientific publications are produced on the plant material provided, the origin of the material must be cited. In addition, the garden would expect to receive a copy of these publications.

4) Permission must be sought from the garden if the recipient seeks to commercialize either the genetic material, its products or research derived from it. Such commercialization will be subject to the conditions of a separate agreement with the country of origin.

5) In case of material becoming invasive in the recipient's region, the garden takes no responsibility for the consequences.

6) Norwegian authorities do not issue relevant phytosanitary certificates for seed exchange. Seeds will only be sent if the receiving garden has contacted their regional authority and received written proof of exemption from phytosanitary requirements.

Please note that all seeds are the result of open pollination.

Nomenclature

The nomenclature in the Index Seminum is mainly based on:

Roskov Y., Ower G., Orrell T., Nicolson D., Bailly N., Kirk P.M., Bourgoin T., DeWalt R.E., Decock W., van Nieukerken E.J., Penev L. (eds.) Catalogue of Life. Digital resource at www.catalogueoflife.org. Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-8858.

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Desiderata

Orders can be placed online or by e-mail until March 1st 2024.

We will prioritize online orders, and each order is limited to 30 numbers.

Online: <https://uib.indexseminum.org/>

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Index Seminum 2024

Arboretum and Botanical Garden
University of Bergen
Norway

Each order is limited to 30 numbers
Orders can be placed until 2024-03-01
Contact: indexseminum@uib.no

Part 1 Collected from spontaneous plants

Seeds from wild or naturalized plants

Apiaceae

- 1** *Angelica archangelica* L.
Norway: Hordaland, Eidfjord, Isdalen, 740 m, 60.4247383333° | 7.2592533333°
(WGS84). 2021-09-27. Moe, B. Prov: Wild.

Asparagaceae

- 2** *Maianthemum bifolium* (L.) F.W.Schmidt
Norway: Hordaland, Bergen, Milde, Korsdalane, 30 m, 60.2602° | 05.2722° (WGS84).
2023-10-16. Pousi, T. Prov: Wild.
- 3** *Polygonatum verticillatum* All.
Norway: Oppland, Jevnaker, Rostedbekken, 400 m, 60.2769508128° | 10.4613014683°
(WGS84). 2021-09-08. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D.
Prov: Wild.

Asteraceae

- 4 ***Antennaria alpina* (L.) Gaertn.**
Norway: Oppland, Lesja, Grønhøi, 1590 m, 62.0286688531° | 8.9274128526°
(WGS84). 2021-09-05. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 5 ***Omalotheca norvegica* (Gunnerus) Sch.Bip. & F.W.Sch**
Norway: Hordaland, Eidfjord, Isdalen, 860 m, 60.43328° | 7.2718166667° (WGS84).
2021-09-26. Moe, B. Prov: Wild.
- 6 ***Saussurea alpina* DC.**
Norway: Oppland, Lom, W of Bøvertun, 990 m, 61.654682045° | 8.117415905°
(WGS84). 2021-09-03. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 7 ***Saussurea alpina* DC.**
Norway: Oppland, Etnedal, Stuttlia, 660 m, 60.9137224849° | 9.7935953736°
(WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D.
Prov: Wild.

Brassicaceae

- 8 ***Arabidopsis lyrata* subsp. *petraea* (L.) O'Kane & Al-Shehbaz**
Norway: Oppland, Lom, Bøverdalen, 530 m, 61.7625104001° | 8.4117414057°
(WGS84). 2021-09-04. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 9 ***Braya linearis* Rouy**
Norway: Oppland, Lom, Bøvertun, 1000 m, 61.6806963604° | 8.0725778419°
(WGS84). 2021-09-03. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Campanulaceae

- 10 ***Campanula latifolia* L.**
Norway: Hordaland, Eidfjord, Måbødalen, 460 m, 60.4264966667° | 7.2285283333°
(WGS84). 2021-09-27. Moe, B. Prov: Wild.

Celastraceae

- 11 ***Parnassia palustris* L.**
Norway: Oppland, Etnedal, Stuttlia, 660 m, 60.9136333312° | 9.7934595868°
(WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D.
Prov: Wild.

Cornaceae

12 *Cornus suecica* L.

Norway: Hordaland, Eidfjord, Svolnos, 1180 m, 60.3638283333° | 5.407725° (WGS84). 2021-09-19. Moe, B. Prov: Wild.

Crassulaceae

13 *Rhodiola rosea* L.

Norway: Hordaland, Eidfjord, Måbødalen, 420 m, 60.4236833333° | 7.2127466667° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

Cyperaceae

14 *Carex atrata* L.

Norway: Hordaland, Eidfjord, Måbødalen, 460 m, 60.424775° | 7.2164783333° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

15 *Eriophorum latifolium* Hoppe

Norway: Oppland, Etnedal, Stuttlil, 650 m, 60.9135546084° | 9.7932604328° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Droseraceae

16 *Drosera anglica* Huds.

Norway: Hordaland, Eidfjord, Isdalen, 860 m, 60.4401666667° | 7.2763716667° (WGS84). 2021-09-28. Moe, B. Prov: Wild.

Ericaceae

17 *Andromeda polifolia* L.

Norway: Hordaland, Eidfjord, Isdalen, 850 m, 60.4414783333° | 7.26753° (WGS84). 2021-09-26. Moe, B. Prov: Wild.

18 *Arctostaphylos uva-ursi* (L.) Spreng.

Norway: Oppland, Lom, Breidstulen, 850 m, 61.9386946071° | 8.8614499569° (WGS84). 2021-09-04. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

19 *Arctous alpina* (L.) Nied.

Norway: Hordaland, Eidfjord, N of Isdalstølen, 1100 m, 60.4664216667° | 7.2744133333° (WGS84). 2021-09-25. Moe, B. Prov: Wild.

20 *Phyllodoce caerulea* (L.) Bab.

Norway: Oppland, Lesja, Grønhøi, 1180 m, 62.0441099953° | 8.9632374421° (WGS84). 2021-09-05. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

21 *Pyrola minor* Gilib. ex DC.

Norway: Oppland, Etnedal, Stuttlii, 610 m, 60.916048706° | 9.7730526701° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Fabaceae

22 *Lathyrus sylvestris* L.

Norway: Hordaland, Eidfjord, Hereidsvegen, 100 m, 60.4690533333° | 7.0799528333° (WGS84). 2021-10-21. Moe, B. Prov: Wild.

Juncaceae

23 *Juncus castaneus* Sm.

Norway: Hordaland, Eidfjord, N of Isdalstølen, 980 m, 60.4647416667° | 7.2758033333° (WGS84). 2021-09-25. Moe, B. Prov: Wild.

Primulaceae

24 *Lysimachia europaea* (L.) U.Manns & Anderb.

Norway: Hordaland, Eidfjord, Svolnos, 1180 m, 60.3627533333° | 5.394625° (WGS84). 2021-09-19. Moe, B. Prov: Wild.

Ranunculaceae

25 *Thalictrum flavum*

Norway: Oppland, Gran, Hovstjern, 250 m, 60.3574414955° | 10.5671561882° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

26 *Trollius europaeus* L.

Norway: Oppland, Etnedal, Stuttlii, 670 m, 60.9136704922° | 9.7940929234° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Rhamnaceae

27 *Frangula alnus* Mill.

Norway: Hordaland, Bergen, Mildevegen, 25 m, 60.2573466667° | 5.269975° (WGS84). 2021-11-01. Moe, B. Prov: Wild.

Rosaceae

28 *Geum rivale* Bourg. ex Nyman

Norway: Hordaland, Eidfjord, Isdalen, 860 m, 60.4501616667° | 7.279995° (WGS84). 2021-09-28. Moe, B. Prov: Wild.

Saxifragaceae

29 *Saxifraga aizoides* L.

Norway: Hordaland, Eidfjord, Måbødalen, 460 m, 60.4268716667° | 7.230605° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

30 *Saxifraga cotyledon* L.

Norway: Hordaland, Eidfjord, Måbødalen, 400 m, 60.421145° | 7.2011166667° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

Scrophulariaceae

31 *Digitalis purpurea* L.

Norway: Hordaland, Bergen, Milde, Naustdalen, 30 m, 60.252446° N | 5.269972° E (WGS84). 2023-08-17. Pousi, T. Prov: Wild.

Tofieldiaceae

32 *Tofieldia pusilla* Pers.

Norway: Hordaland, Eidfjord, Rjuperusti, 1180 m, 60.4666133333° | 7.2909283333° (WGS84). 2021-09-25. Moe, B. Prov: Wild.

Part 2 Collected in the Arboretum

Seeds result from open pollination

Asteraceae

- 33** *Chiliodendron diffusum* (G.Forst.) Kuntze
2023-08-01. Acc: W-2000.1003, CHL: Capitan Prat, Aysén, Cordón de Villa O'Higgins N of Rio Mosco, 700 m. 2000-02-04. Per Harald Salvesen; no. PHS2000.046. Det. by taxonomist.
- 34** *Chiliodendron rosmarinifolium* Less.
2023-08-01. Acc: W-2000.0730, CHL: Los Lagos, Palena, Cerro Sin Fin above Futaleufú, 1100 m, 43° 10' S | 071° 51' W. 2000-02-15. Per Harald Salvesen & Brynjulv Litlere; no. PHS2000.100. Det. by taxonomist.
- 35** *Leucanthemum vulgare* Lam.
2023-07-14. Acc: W-1999.0385, NOR: Hordaland, Lindås, Alversund, slåtteeng like NØ f Alver kirke. 1995-05. Per Harald Salvesen. Det. by taxonomist.

Celastraceae

- 36** *Euonymus sachalinensis* Maxim.
2023-10-09. Acc: W-1983.0036, KOR: Mt. Jiri. 1982. Det. by taxonomist.
- 37** *Tripterygium wilfordii* Hook.f.
2021-10-18. Acc: W-1977.2230, KOR: Kyebang-san, Taegi-san, S-slope, 850 m, 37° 35' N - 128° 18' E. 1976-09-10. Nordisk Arboret Utvalg (NAU); no. 188. Det. by taxonomist.

Ericaceae

- 38** *Enkianthus cernuus* (Siebold & Zucc.) Makino f. *rubens* (Maxim.) Ohwi
2023-10-23. Acc: W-1977.1356, JPN: Honshu, Odaigahara, 1200 m. 1976. Rune Bengtsson; no. B 356. Det. by taxonomist.
- 39** *Leucothoe grayana* Maxim.
2023-10-16. Acc: W-1977.1804, JPN: Hokkaido Prefecture, Daireku, 1400 m. Magne Sandvik; no. S 86. Det. by taxonomist.

- 40** *Rhododendron albrechtii* Maxim.
2023-10-16. Acc: W-1977.1246, JPN: Honshu, Tateyama, 1600 m. Rune Bengtsson; no. B 246. Det. by taxonomist.
- 41** *Rhododendron mucronulatum* Turcz.
2023-11-20. Acc: W-1979.0126, KOR: Jejudo, Jeju Island, Mt. Halla, W-slopes towards & including top, 1930 m, 33° 22' N | 126° 31' E. 1976-09-28. Nordisk Arboret Utvalg (NAU); no. 486. Det. by taxonomist.
- 42** *Rhododendron nipponicum* Matsum.
2023-10-23. Acc: W-1977.1878, JPN: Honshu, Tateyama, 1200 m. Magne Sandvik; no. S 162. Det. by taxonomist.
- 43** *Rhododendron quinquefolium* Bisset & S.Moore
2023-11-20. Acc: W-1979.0041, JPN: Honshu, Odaigahara, 1400 m. 1976. Magne Sandvik; no. S 261. Det. by taxonomist.
- 44** *Rhododendron schlippenbachii* Maxim.
2023-11-20. Acc: W-1979.0129, KOR: Kyenang-san, Odae-san, S slope, 900 m, 37° 47' N | 128° 34' E. 1976-09-09. Nordisk Arboret Utvalg (NAU); no. 155. Det. by taxonomist.
- 45** *Rhododendron tschonoskii* Maxim.
2021-10-18. Acc: W-1977.1876, JPN: Honshu, Tateyama, 1600 m. Magne Sandvik; no. S 160. Det. by taxonomist.
- 46** *Vaccinium koreanum* Nakai
2023-08-17. Acc: W-1979.0139, KOR: Seorak-san, top of Seolak-san (Dae-cheong-bong), 1700 m, 38° 07' N | 128° 29' E. 1976-09-05. Nordisk Arboret Utvalg (NAU); no. 35. Det. by taxonomist.

Hamamelidaceae

- 47** *Hamamelis japonica* Siebold & Zucc.
2023-10-16. Acc: W-1977.1871, JPN: Honshu, Tateyama, 1500 - 1700 m. Magne Sandvik; no. S 155. Det. by taxonomist.

Iridaceae

- 48** *Crocus vernus* (L.) Hill
Norway: Hordaland, Bergen, Fana Folkehøgskule, 30 m, 60.251711° N | 05.269092° E (WGS84). 2023-06-29. Prov: Garden.

Juglandaceae

49 *Pterocarya rhoifolia* Siebold & Zucc.

2023-10-09. Acc: W-1972.1136, JPN: Akita Prefecture, Oirase. 1960. Murai; no. A 194. Det. by taxonomist.

Rosaceae

50 *Sorbus albovii* Zinserl.

2021-10-04. Acc: W-1994.0216, RUS: Adygeya, Caucasus, mons Abago, flora localis, 43.9056 | 40.1533. 1979. Det. by taxonomic specialist.

51 *Sorbus bissetii* McAll.

2023-10-09. Acc: Z-1991.1594, CHN: Sichuan Province, Kulu, Muli, 3200 m. T. T. Yu; no. Yu 14299. Det. by taxonomist.

52 *Sorbus eburnea* McAll.

2023-10-02. Acc: Z-1991.1579, CHN: Sikang, Kangting District, Yulinkong, 3000 m. 1934-10-17. Harry Smith; no. 12799. Det. by taxonomist.

53 *Sorbus foliolosa* Spach

2023-10-02. Acc: Z-1996.0094, NPL: Bimtakothi, moraine and rocky hillsides, 3100 m, 28° 38' N | 84° 27' E. 1950-08-27. C. D. Lowndes; no. 1478. Det. by taxonomist.

54 *Sorbus forrestii* McAll. & Gillham

2021-10-11. Acc: Z-1992.0827, CHN: Yunnan Province, Beima Shan, 3048 m. George Forrest; no. F19583. Det. by taxonomist.

55 *Sorbus frutescens* McAll.

2023-10-02. Acc: Z-1991.1607, CHN: Qinghai Province, Quinghai Hu (Kokonor), Koko Gorge. Joseph F. Rock; no. 13268. Det. by taxonomist.

56 *Sorbus glabriuscula* McAll.

2021-10-04. Acc: Z-1991.1589, CHN: Yunnan Province, halfway up Songgui Mountain (Sung Kuei), 26° 30' N | 100° 10' E. McLaren; no. C288. Det. by taxonomist.

57 *Sorbus gonggashanica* McAll.

2023-10-02. Acc: Z-1991.1573, CHN: Sichuan Province, Liuba, Gongga Shan, (Minya Kanka) Liuba. 1981-09. Lancaster. Det. by taxonomist.

58 *Sorbus himalaica* Gabrieljan

2021-10-11. Acc: Z-1991.1613, NPL: Annapurna, Lamjung Himal, 3900 m. Det. by taxonomist.

- 59** *Sorbus leptophylla* **E.F.Warb.**
2021-10-04. Acc: Z-1991.1570, GBR: Wales, South Wales, Powys. Recieved as/ Det. by breeder.
- 60** *Sorbus microphylla* **Wenz.**
2021-10-04. Acc: W-2004.0658, NPL: 4100 m. Kenneth Höegh. Det. by taxonomic specialist.
- 61** *Sorbus muliensis* **McAll.**
2021-12-08. Acc: Z-1985.0213, CHN: Sichuan Province, SW-Sichuan. Mts. SE of Muli, 3000 - 3300 m. George Forrest; no. 22177. Det. by taxonomist.
- 62** *Sorbus munda* **Koehne**
2023-10-02. Acc: Z-1991.1591, CHN: Sichuan Province, W-Sichuan, Pan-lan-shan, west of Kwan Hsien, 2600 - 3000 m. Det. by taxonomist.
- 63** *Sorbus sambucifolia* (**Cham. & Schldl.**) **M.Roem.**
2022-08-23. Acc: W-1977.1851, JPN: Hokkaido Prefecture, Ichimai-dake, 200 m, 42° 02' N - 143° 10' E. 1976. Magne Sandvik; no. S 135. Det. by taxonomist.
- 64** *Sorbus setschwanensis* (**C.K.Schneid.**) **Koehne**
2023-10-23. Acc: Z-1985.0215, CHN: Sichuan Province, Mt. Omei. Lancaster; no. 492. Det. by taxonomist.
- 65** *Sorbus tenuis* **McAll.**
2023-10-02. Acc: Z-1991.1627, CHN: Yunnan Province, Kangting District, Cheto La, 3900 m. Harry Smith; no. 12732. Det. by taxonomist.
- 66** *Sorbus wilmottiana* **E.F.Warb.**
2021-10-04. Acc: Z-1991.1569, GBR: England, Avon, Avon Gorge. Det. by taxonomist.

Sapindaceae

- 67** *Acer carpinifolium* **Siebold & Zucc.**
2023-10-23. Acc: W-1977.1969, JPN: Honshu, Odaigahara, 1200 m. Magne Sandvik; no. S 252. Det. by taxonomic specialist.
- 68** *Acer shirasawanum* **Koidz.**
2023-10-02. Acc: W-1977.1166, JPN: Honshu, Nikko, 1400 m. 1976. Rune Bengtsson; no. B 166. Det. by taxonomic specialist.
- 69** *Acer tschonoskii* **Maxim. subsp. australe** (**Momot.**) **Kitam. & Murata**
2023-10-02. Acc: W-1977.1854, JPN: Shikoku, Kamegamori, 1500 m. 1976. Magne Sandvik; no. S 138. Det. by taxonomic specialist.

Symplocaceae

70 *Symplocos coreana* (H.Lév.) Ohwi

2023-10-23. Acc: W-1977.1908, JPN: Honshu, Daisen, 1425 - 1600 m, 35,791083 | 137,927856. Magne Sandvik; no. S 192. Det. by taxonomist.

Theaceae

71 *Stewartia pseudocamellia* Maxim.

2021-11-11. Acc: W-1977.1322, JPN: Honshu, Daisen, 800 m. 1976. Rune Bengtsson; no. B 322. Det. by taxonomist.

Trochodendraceae

72 *Trochodendron aralioides* Siebold & Zucc.

2023-12-07. Acc: W-1977.1332, JPN: Kyushu, Hiko-san, 1200 m. 1976. Rune Bengtsson; no. B 332. Det. by taxonomist.