



UNIVERSITY OF BERGEN

## Index Seminum 2023



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 Nieuwerkerken E.J., Penev L. (eds.) Catalogue of Life. Digital resource at [www.catalogueoflife.org](http://www.catalogueoflife.org). Species 2000: Naturalis, Leiden, the Netherlands. ISSN 2405-8858.

## **Contents**

Part 1: Collected from spontaneous plants – Seeds from wild plants: Page 4.

Part 2: Collected in the Arboretum – Seeds from cultivated plants: Page 9.

## **Desiderata**

*Orders can be placed online or by e-mail until March 15<sup>th</sup> 2023.*

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

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

E-mail: [indexseminum@uib.no](mailto:indexseminum@uib.no)

Mail:

University of Bergen

University Gardens

Mildevegen 240

N-5259 HJELLESTAD

Norway

## **The University Gardens**

Berit Gehrke

Section leader, the University Gardens

Heidi Lie Andersen

Associate Professor, the Botanical Garden

Torsten Eriksson

Associate Professor, the Museum Garden

Michael D. Pirie

Associate Professor, the Arboretum

Mladen Golubovic

Head gardener, the University Gardens

Solveig Lokøen Knudsen

Gardener, in charge of the Botanical Garden

Else Jorunn Melstokkå

Gardener, in charge of the Nursery

Hilde M. Moen Selstø

Gardener, in charge of the Museum Garden

# Index Seminarum 2023

Arboretum and Botanical Garden  
University of Bergen  
Norway

Each order is limited to 30 numbers  
Orders can be placed until 2023-03-15  
Contact: [indexseminum@uib.no](mailto: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 *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

3 *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.

**4 *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.

**5 *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.

**6 *Saussurea alpina* DC.**

Norway: Oppland, Etnedal, Stuttlii, 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**

**7 *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.

**8 *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**

**9 *Campanula latifolia* L.**

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

**Celastraceae**

**10 *Parnassia palustris* L.**

Norway: Oppland, Etnedal, Stuttlii, 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**

**11 *Cornus suecica* L.**

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

## Crassulaceae

**12** *Rhodiola rosea* L.

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

## Cyperaceae

**13** *Carex atrata* L.

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

**14** *Eriophorum latifolium* Hoppe

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

## Diapensiaceae

**15** *Diapensia lapponica* L.

Norway: Oppland, Lesja, Grønhøi, 1445 m, 62.0230554519° | 8.9328895882° (WGS84). 2021-  
09-05. Moe, B., 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** *Harrimanella hypnoides* (L.) Coville

Norway: Oppland, Lesja, Grønhøi, 1370 m, 62.0228781929° | 8.937731646° (WGS84). 2021-09-05. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

**21** *Monotropa hypopitys* L.

Norway: Hordaland, Ålvik, Ålvikvegen, 45 m, 60.4040366667° | 6.3485283333° (WGS84). 2021-10-24. Moe, B. Prov: Wild.

**22** *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.

**23** *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**

**24** *Lathyrus sylvestris* L.

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

**25** *Oxytropis lapponica* Gaudin

Norway: Oppland, Lom, SW of Bøvertun, 970 m, 61.6458120008° | 8.1040430814° (WGS84). 2021-09-03. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

**Gentianaceae**

**26** *Gentiana nivalis* Poir.

Norway: Hordaland, Eidfjord, Svolnos, 1180 m, 60.4700283333° | 7.2788466667° (WGS84). 2021-09-25. Moe, B. Prov: Wild.

**Juncaceae**

**27** *Juncus castaneus* Sm.

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

### Melanthiaceae

28 *Paris quadrifolia* L.

Norway: Oppland, Jevnaker, Rostedbekken, 350 m, 60.2922896537° | 10.4844130576° (WGS84). 2021-09-08. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

### Orobanchaceae

29 *Bartsia alpina* L.

Norway: Hordaland, Eidfjord, Isdalen, 860 m, 60.4332883333° | 7.27183° (WGS84). 2021-09-28. Moe, B. Prov: Wild.

### Primulaceae

30 *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

31 *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.

32 *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

33 *Frangula alnus* Mill.

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

### Rosaceae

34 *Geum rivale* Bourg. ex Nyman

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



### Saxifragaceae

**35** *Saxifraga aizoides* L.

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

**36** *Saxifraga cotyledon* L.

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

### Tofieldiaceae

**37** *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

### Alstroemeriaceae

**38** *Alstroemeria aurea* Graham

2020-09-28. Acc: W-2000.1314, ARG: Tierra del Fuego Province, Ushuaia. Ingjerd og Tor  
Høie; no. SB 830218.2. Det. by taxonomist.

### Asteraceae

**39** *Chiliodon diffusum* (G.Forst.) Kuntze

2022-08-18. 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.

**40** *Chiliodon rosmarinifolium* Less.

2022-08-18. 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.

## Celastraceae

**41 *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.

## Cornaceae

**42 *Cornus alternifolia* L.f.**

2021-10-11. Acc: Z-1982.0010, USA: Massachusetts, Worcester County, Prospect Hill, Petersham. Søren Ødum; no. 13. Det. by taxonomist.

**43 *Cornus controversa* Hemsl.**

2021-10-11. Acc: W-1979.0064, KOR: Kyenang-san, Seorak-san, E-slope, exposed SW, 1200 m, 38° 08' N | 128° 29' E. 1976-09-06. Nordisk Arboret Utvalg (NAU); no. 71. Det. by taxonomist.

## Ericaceae

**44 *Enkianthus campanulatus* (Miq.) G.Nicholson var. *longilobus* (Nakai) Makino**

2021-11-01. Acc: W-1977.1564, JPN: Kyushu, Hiko-san, 1000 m. 1976. Find Günther Christensen; no. C 193. Det. by taxonomist.

**45 *Enkianthus cernuus* (Siebold & Zucc.) Makino f. *rubens* (Maxim.) Ohwi**

2021-11-01. Acc: W-1977.1356, JPN: Honshu, Odaigahara, 1200 m. 1976. Rune Bengtsson; no. B 356. Det. by taxonomist.

**46 *Leucothoë grayana* Maxim.**

2021-10-18. Acc: W-1977.1804, JPN: Hokkaido Prefecture, Daireku, 1400 m. Magne Sandvik; no. S 86. Det. by taxonomist.

**47 *Rhododendron albrechtii* Maxim.**

2021-10-11. Acc: W-1977.1246, JPN: Honshu, Tateyama, 1600 m. Rune Bengtsson; no. B 246. Det. by taxonomist.

**48 *Rhododendron mucronulatum* Turcz.**

2021-12-09. 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.

**49 *Rhododendron nipponicum* Matsum.**

2021-10-18. Acc: W-1977.1878, JPN: Honshu, Tateyama, 1200 m. Magne Sandvik; no. S 162.  
Det. by taxonomist.

**50 *Rhododendron quinquefolium* Bisset & S.Moore**

2021-12-09. Acc: W-1979.0041, JPN: Honshu, Odaigahara, 1400 m. 1976. Magne Sandvik;  
no. S 261. Det. by taxonomist.

**51 *Rhododendron schlippenbachii* Maxim.**

2021-12-09. 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.

**52 *Rhododendron tschonoskii* Maxim.**

2021-10-18. Acc: W-1977.1876, JPN: Honshu, Tateyama, 1600 m. Magne Sandvik; no. S 160.  
Det. by taxonomist.

**53 *Vaccinium koreanum* Nakai**

2022-08-18. 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**

**54 *Corylopsis glabrescens* Franch. & Sav.**

2021-11-01. Acc: W-1977.1086, JPN: Honshu, Akasawa, 1200 m. 1976. Rune Bengtsson; no.  
B 86. Det. by taxonomist.

**55 *Hamamelis japonica* Siebold & Zucc.**

2021-10-18. Acc: W-1977.1871, JPN: Honshu, Tateyama, 1500 - 1700 m. Magne Sandvik; no.  
S 155. Det. by taxonomist.

### **Iridaceae**

**56 *Crocus vernus* (L.) Hill**

Norway: Hordaland, Bergen, Fana Folkehøgskule, 30 m, 60.251711° N | 05.269092° E  
(WGS84). 2022-07-01. Prov: Garden.

### Juglandaceae

**57** *Pterocarya rhoifolia* Siebold & Zucc.

2021-10-11. Acc: W-1972.1136, JPN: Akita Prefecture, Oirase. 1960. Murai; no. A 194. Det. by taxonomist.

### Nothofagaceae

**58** *Nothofagus antarctica* (Forst.) Ørst.

2021-09-07. Acc: W-1993.1322, ARG: Tierra del Fuego Province, Ea. Tepi, Rt.3A: 4 km S f Rio Grande, 50 m. Søren Ødum; no. Hørsholm 201-92. Det. by taxonomist.

### Plantaginaceae

**59** *Veronicastrum sibiricum* (L.) Pennell

2021-10-04. Acc: W-1991.0309, JPN: Nagano Prefecture, Chubu Region, Azumi Village, Abotoge. Det. by taxonomist.

### Rosaceae

**60** *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.

**61** *Sorbus bissetii* McAll.

2021-10-04. Acc: Z-1991.1594, CHN: Sichuan Province, Kulu, Muli, 3200 m. T. T. Yu; no. Yu 14299. Det. by taxonomist.

**62** *Sorbus eburnea* McAll.

2021-10-04. Acc: Z-1991.1579, CHN: Sikang, Kangting District, Yulinkong, 3000 m. 1934-10-17. Harry Smith; no. 12799. Det. by taxonomist.

**63** *Sorbus foliolosa* Spach

2021-10-04. 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.

**64** *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.

- 65** *Sorbus frutescens* McAll.  
2021-10-04. Acc: Z-1991.1607, CHN: Qinghai Province, Quinghai Hu (Kokonor), Koko Gorge. Joseph F. Rock; no. 13268. Det. by taxonomist.
- 66** *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.
- 67** *Sorbus gonggashanica* McAll.  
2021-10-04. Acc: Z-1991.1573, CHN: Sichuan Province, Liuba, Gongga Shan, (Minya Kanka) Liuba. 1981-09. Lancaster. Det. by taxonomist.
- 68** *Sorbus himalaica* Gabrieljan  
2021-10-11. Acc: Z-1991.1613, NPL: Annapurna, Lamjung Himal, 3900 m. Det. by taxonomist.
- 69** *Sorbus leptophylla* E.F.Warb.  
2021-10-04. Acc: Z-1991.1570, GBR: Wales, South Wales, Powys. Recieved as/ Det. by breeder.
- 70** *Sorbus microphylla* Wenz.  
2021-10-04. Acc: W-2004.0658, NPL: 4100 m. Kenneth Höegh. Det. by taxonomic specialist.
- 71** *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.
- 72** *Sorbus munda* Koehne  
2021-10-04. Acc: Z-1991.1591, CHN: Sichuan Province, W-Sichuan, Pan-lan-shan, west of Kwan Hsien, 2600 - 3000 m. Det. by taxonomist.
- 73** *Sorbus sambucifolia* (Cham. & Schltdl.) 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.
- 74** *Sorbus setschwanensis* (C.K.Schneid.) Koehne  
2021-10-15. Acc: Z-1985.0215, CHN: Sichuan Province, Mt. Omei. Lancaster; no. 492. Det. by taxonomist.

**75** *Sorbus tenuis* McAll.

2021-10-04. Acc: Z-1991.1627, CHN: Yunnan Province, Kangting District, Cheto La, 3900 m. Harry Smith; no. 12732. Det. by taxonomist.

**76** *Sorbus wilmottiana* E.F.Warb.

2021-10-04. Acc: Z-1991.1569, GBR: England, Avon, Avon Gorge. Det. by taxonomist.

**Theaceae**

**77** *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**

**78** *Trochodendron aralioides* Siebold & Zucc.

2021-12-09. Acc: W-1977.1332, JPN: Kyushu, Hiko-san, 1200 m. 1976. Rune Bengtsson; no. B 332. Det. by taxonomist.

Tag: seminumsystem2023, seminumwild2023