

RINGVE BOTANICAL GARDEN
NTNU University Museum, Trondheim, Norway

INDEX SEMINUM 2020



Contents:

Seeds collected from spontaneous plants in natural habitats in Norway mainly in 2018 and 2019.

Nomenclature:

The nomenclature in the Index Seminum is following the Norwegian Biodiversity Information Centre, <https://www.biodiversity.no/>

Collectors:

Carina Egeland Aronsen (CEA), Steinar Gagnås (SG), Reidun Mork (RM), Stefan Patrick Nilsen (SPN), Vibekke Vange (VV), Arild Westvik (AW).

Desiderata:

Orders can be placed online, by e-mail and mail until 1th March 2020.

Max. 20 orders per garden.

Online (registered users only): <https://ringve.indexseminum.org/>

E-mail: ringve.botaniske@vm.ntnu.no

Mail:

Ringve Botanical Garden
NTNU University Museum
N-7491 TRONDHEIM
Norway



Position of Ringve
Botanical Garden:

63° 26' 52" N
10° 27' 10" E

Index Seminum 2020

Spontaneous plants: Seeds collected in natural habitats in Norway

Apiaceae

1 *Angelica sylvestris* L.

Norway: Nord-Trøndelag, Frosta, Neset, 63.553541° N | 10.647812° E (WGS84). 2018-09-07. SPN. Prov: Wild.

2 *Ligusticum scoticum* L.

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.

Asteraceae

3 *Antennaria dioica* (L.) Gaertner

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

4 *Cicerbita alpina* (L.) Wallr.

Norway: Sør-Trøndelag, Trondheim, Strindamarka. 2017-08-12. SPN. Prov: Wild.

5 *Cirsium helenioides* (L.) Hill

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

6 *Saussurea alpina* (L.) DC.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

7 *Tripolium pannonicum* (Jacq.) Dobrocz. subsp. *maritimum* Holub

Norway: Nord-Trøndelag, Frosta, Neset, 63.553541° N | 10.647812° E (WGS84). 2018-09-07. SPN. Prov: Wild.

8 *Tripolium pannonicum* (Jacq.) Dobrocz. subsp. *maritimum* Holub

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Betulaceae

9 *Betula nana* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

10 *Betula nana* × *B. pubescens* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

11 *Corylus avellana* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2019-09-09. SPN. Prov: Wild.

Brassicaceae

12 *Draba norvegica* Gunnerus

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

Campanulaceae

13 *Campanula rotundifolia* L.

Norway: Nord-Trøndelag, Snåsa, Lauvåsen, 64.209066° N | 12.318335° E (WGS84). 2018-09-06. SPN, VV. Prov: Wild.

14 *Campanula rotundifolia* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Caryophyllaceae

15 *Minuartia stricta* (Swartz) Hiern

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

16 *Silene uniflora* Roth.

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-18. SPN. Prov: Wild.

Cornaceae

17 *Cornus suecica* L.

Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SG, RM, SPN, VV.

Crassulaceae

18 *Rhodiola rosea* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

19 *Sedum rupestre* L.

Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Cupressaceae

20 *Juniperus communis* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2018-10-20. SPN. Prov: Wild.

21 *Juniperus communis* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Cyperaceae

22 *Carex atrata* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

23 *Carex atrofusca* Schkuhr

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

24 *Carex capitata* Sol.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

25 *Carex flacca* Schreb.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2018-10-27. SPN. Prov: Wild.

26 *Carex ovalis* Good.

Norway: Nord-Trøndelag, Snåsa, Lauvåsen, 64.209066° N | 12.318335° E (WGS84). 2018-09-06. VV. Prov: Wild.

27 *Carex parallela* (Laest.) Sommerf.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

28 *Carex rariflora* (Wahlenb) Sm.

Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SPN. Prov: Wild.

Elaeagnaceae

29 *Hippophae rhamnoides* L.

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.

30 *Hippophae rhamnoides* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2019-09-08. SPN. Prov: Wild.

Ericaceae

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

Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.

32 *Arctous alpinus* (L.) Nied.

Norway: Sør-Trøndelag, Rissa, Stadsbygd, 63.507538° N | 10.012321° E (WGS84). 2019-09. CEA. Prov: Wild.

- 33 ***Empetrum nigrum* L. subsp. *hermaphroditum* (Hagerup) Böcher**
Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SG, RM, SPN, VV.
- 34 ***Orthilia secunda* (L.) House**
Norway: Nordland, Dønna, Olfot, 66.100000° N | 12.491100° E (WGS84). 2018-09-17. SPN. Prov: Wild.
- 35 ***Orthilia secunda* (L.) House**
Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SG, RM, SPN, VV. Prov: Wild.
- 36 ***Vaccinium myrtillus* L.**
Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SG, RM, SPN, VV. Prov: Wild.
- 37 ***Vaccinium vitis-idaea* L.**
Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Fabaceae

- 38 ***Anthyllis vulneraria* L.**
Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.
- 39 ***Astragalus alpinus* L. subsp. *alpinus***
Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.
- 40 ***Lathyrus sylvestris* L.**
Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.
- 41 ***Lotus corniculatus***
Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.
- 42 ***Lotus corniculatus***
Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.
- 43 ***Oxytropis lapponica* (Wahlenb.) Gay**
Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

Gentianaceae

- 44 ***Gentiana nivalis* L.**
Norway: Oppland, Dovre, Dovrefjell Mountains, ved Dovregubbens hall, 62.174538° N | 9.427557° E (WGS84). 2019-09-06. VV. Prov: Wild.

Hypericaceae

- 45 ***Hypericum maculatum* Crantz**
Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2019-09-08. SPN. Prov: Wild.

Juncaceae

46 *Juncus castaneus* Sm.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

47 *Juncus filiformis* L.

Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SPN. Prov: Wild.

48 *Juncus triglumis* L. subsp. *triglumis*

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

Juncaginaceae

49 *Triglochin maritima* L.

Norway: Nord-Trøndelag, Frosta, Neset, 63.553541° N | 10.647812° E (WGS84). 2018-09-05. SPN. Prov: Wild.

50 *Triglochin maritima* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Lamiaceae

51 *Stachys palustris* L.

Norway: Nord-Trøndelag, Frosta, Vigtil: Burmo, 63.623227° N | 10.75686° E (WGS84). 2019-08-30. SPN.

52 *Stachys sylvatica* L.

Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Lentibulariaceae

53 *Pinguicula vulgaris* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

Linaceae

54 *Linum catharticum* L.

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.

Melanthiaceae

55 *Paris quadrifolia* L.

Norway: Sør-Trøndelag, Trondheim, Dragvollskogen, 63.407894° N | 10.459993° E (WGS84). 2018-09-10. AW. Prov: Wild.

Orobanchaceae

56 *Rhinanthus minor* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Plantaginaceae

57 *Plantago lanceolata* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E (WGS84). 2018-10-27. SPN. Prov: Wild.

58 *Plantago maritima* L. subsp. *maritima*

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.

59 *Plantago media* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

60 *Veronica fruticans* Jacq.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

61 *Veronica officinalis* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E (WGS84). 2019-08-22. SPN. Prov: Wild.

Poaceae

62 *Molinia caerulea* (L.) Moench

Norway: Nord-Trøndelag, Snåsa, Ådalsvegen, Merkesbekken, 64.23665° N | 12.008314° E (WGS84). 2018-09-06. SG, RM, SPN, VV. Prov: Wild.

Polemoniaceae

63 *Polemonium caeruleum* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

Primulaceae

64 *Primula veris* L.

Norway: Nord-Trøndelag, Frosta, Tautra, Nordhamna, 63.579255° N | 10.624423° E (WGS84). 2019-08-11. SPN. Prov: Wild.

Ranunculaceae

65 *Aconitum lycoctonum* L. subsp. *septentrionale* (Koelle) Korsh.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV. Prov: Wild.

66 *Thalictrum alpinum* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

Rosaceae

67 *Dryas octopetala* L.

Norway: Nordland, Dønna, Breivika, 66.05706° N | 12.386055° E (WGS84).
2019-08-04. SPN. Prov: Wild.

68 *Geum rivale* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E
(WGS84). 2019-08-22. SPN. Prov: Wild.

69 *Potentilla nivea* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

70 *Potentilla palustris* (L.) Scop.

Norway: Nordland, Dønna, Skagalandet, 66.080732° N | 12.398164° E
(WGS84). 2018-09-15. SPN. Prov: Wild.

71 *Potentilla palustris* (L.) Scop.

Norway: Nord-Trøndelag, Levanger, Byavatnet, 63.665513° N | 11.014395° E
(WGS84). 2019-08-22. SPN. Prov: Wild.

72 *Prunus padus* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° | 10.650773°
(WGS84). 2019-09-08. SPN. Prov: Wild.

73 *Rubus saxatilis* L.

Norway: Nordland, Dønna, Skagalandet, 66.080732° N | 12.398164° E
(WGS84). 2018-09-17. SPN. Prov: Wild.

74 *Rubus saxatilis* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E
(WGS84). 2019-08-22. SPN. Prov: Wild.

75 *Sorbus aucuparia* L.

Norway: Nord-Trøndelag, Levanger, Ekne, 63.699018° N | 11.041346° E
(WGS84). 2019-08-22. SPN. Prov: Wild.

Rubiaceae

76 *Galium verum* L.

Norway: Nord-Trøndelag, Frosta, Gullberget, 63.539681° N | 10.650773° E
(WGS84). 2018-10-20. SPN. Prov: Wild.

Salicaceae

77 *Salix glauca* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

78 *Salix myrsinites* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

Saxifragaceae

79 *Saxifraga adscendens* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

80 *Saxifraga aizoides* L.

Norway: Nordland, Alstahaug, Sandnessjøen, Horvneset., 66.019414° N | 12.66655° E (ETRS89). 2018-09-16. SPN. Prov: Wild.

81 *Saxifraga aizoides* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

82 *Saxifraga cotyledon* L.

Norway: Nord-Trøndelag, Frosta, Southeast on the peninsula, close to road 753, 63.60197° N | 10.868397° E (WGS84). 2019-08-22. SPN. Prov: Wild.

83 *Saxifraga nivalis* L.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

Tofieldiaceae

84 *Tofieldia pusilla* (Michx.) Pers.

Norway: Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m, 62°18' N | 09°36' E (WGS84). 2019-09-06. SPN, TP, VV.
Prov: Wild.

Desiderata

NTNU University Museum
Ringve Botanical Garden
N-7491 Trondheim
NORWAY

Contact e-mail:
ringve.botaniske@vm.ntnu.no

Each order is limited to 20 numbers
Orders can be placed until 2020-03-01

If necessary, please make corrections to your name, address and e-mail here:

Terms and conditions:

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 commercialise the genetic material, its products, or research derived from it. Such commercialisation will be subject to the conditions of a separate agreement with the country of origin.

By ordering seed or other plant material, the recipient accepts and pledges to respect the above conditions.