

RINGVE BOTANICAL GARDEN
NTNU University Museum, Trondheim, Norway

INDEX SEMINUM 2017



Contents:

Seeds and spores collected from spontaneous plants in natural habitats in Norway in 2016.

Nomenclature:

The nomenclature in the Index Seminum is mainly based on:

Lid, J. and Lid, D. T. 2005. Norsk flora. – Det norske Samlaget, Oslo.

Collectors:

Bård Jensen Skavlan (BJS), Reidun Mork (RM), Stefan Patrick Nilsen (SPN), Einar Værnes (EV), Wenche Selven Høy (WSH), Arild Westvik (AW).

Desiderata:

Orders can be placed online, by e-mail and mail until 15th March 2017.

Max. 20 orders per garden.

Online (registered users only): http://www.irisbg.com/indsem_trh/

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Ringve Botanical Garden

Steinar Gagnås	Gardener
Reidun Mork	Gardener
Stefan Patrick Nilsen	Gardener
Bård Jensen Skavlan	Gardener
Vibekke Vange	Head of Garden, Associate professor

Front page: *Parnassia palustris*. Photo: Stefan Patrick Nilsen.

Index Seminum 2017

Spontaneous plants; seeds and spores collected in natural habitats in Norway

Apiaceae

- 1 ***Angelica archangelica* L. subsp. *archangelica***
Norway: Nordland, Dønna, Småholman close to Skagalandet, 2-10 m, 66.07868206396553° N | 12.376699447631836° (WGS84). 2016-08-03. SPN.
- 2 ***Sanicula europaea* L.**
Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

Asteraceae

- 3 ***Antennaria dioica* (L.) Gaertner**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN, EV.
- 4 ***Cicerbita alpina* (L.) Wallr.**
Norway: Sør-Trøndelag, Trondheim, Strindamarka, Estenstad, 63.392018° N | 10.486422° E (WGS84). 2016-08-10. SPN.
- 5 ***Omalotheca sylvatica* (L.) Schultz Bip. & F.W.Schmidt**
Norway: Sør-Trøndelag, Hemne, Vågan, UTM 32V 496400 7030900 (WGS84). 2016-09-18. EV.
- 6 ***Saussurea alpina* (L.) DC.**
Norway: Sør-Trøndelag, Trondheim, Granåsen, 63.37838° N | 10.29899° E (WGS84). 2016-09-10. EV.

Betulaceae

- 7 ***Betula nana* × *B. pubescens* L.**
Norway: Sør-Trøndelag, Agdenes. 2016-09-11. WSH.
- 8 ***Betula nana* L. subsp. *nana***
Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° (WGS84). 2016-09-10. SPN.
- 9 ***Betula pubescens* Ehrh. subsp. *tortuosa* (Ledeb.) Nyman**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.
- 10 ***Betula pubescens* Ehrh. subsp. *tortuosa* (Ledeb.) Nyman**
Norway: Oppland, Dovre, Hjerkin. 2016-09-19. BJS.

Brassicaceae

- 11 ***Arabis hirsuta* (L.) Scop. var. *hirsuta***
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

12 ***Arabis hirsuta* (L.) Scop. var. *hirsuta***

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° E (WGS84). 2016-09-10. SPN.

13 ***Arabis hirsuta* (L.) Scop. var. *hirsuta***

Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

Campanulaceae

14 ***Campanula rotundifolia* L.**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.

Caprifoliaceae

15 ***Linnaea borealis* L.**

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° E (WGS84). 2016-09-10. SPN.

Caryophyllaceae

16 ***Lychnis flos-cuculi* L.**

Norway: Nordland, Dønna, Småholman close to Skagalandet, 2 - 10 m, 66.07868206396553° N | 12.376699447631836° E (WGS84). 2016-08-03. SPN.

17 ***Silene acaulis* (L.) Jacq.**

Norway: Nordland, Dønna, Skagalandet, 66.080732° N | 12.398164° E (WGS84). 2016-08-01. SPN.

18 ***Silene uniflora* Roth.**

Norway: Nordland, Vågan, Storemolla, 68.242964° N | 14.794041° E (WGS84). 2016-08-01. SPN.

Convallariaceae

19 ***Convallaria majalis* L.**

Norway: Sør-Trøndelag, Trondheim, Dragvoll, 7038905.107° N | 273614.787° E (ETRS89). 2016-09-13. AW.

Cyperaceae

20 ***Carex cf. buxbaumii* Wahlenb.**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM, EV.

21 ***Carex chordorrhiza* L.fil.**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

22 ***Carex dioica* L.**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN.

23 ***Carex cf. flava* L.**

Norway: Sør-Trøndelag, Meldal, Resfjellet, 62.982691° N | 9.529349° E (WGS84). 2016-09-18. SPN.

- 24 ***Carex cf. hostiana* DC.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.
- 25 ***Carex lasiocarpa* Ehrh.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.
- 26 ***Carex limosa* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. RM.
- 27 ***Carex norvegica* Retz.**
Norway: Sør-Trøndelag, Selbu, Ved Måltoppen, 63.13537° N | 11.43048° E
(WGS84). 2016-08-28. EV.
- 28 ***Carex pauciflora* Lightf.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.
- 29 ***Carex pulicaris* L.**
Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E
(WGS84). 2016-09-17. EV.
- 30 ***Carex pulicaris* L.**
Norway: Sør-Trøndelag, Trondheim, Granåsen, 63.37774° N | 10.29543° E
(WGS84). 2016-09-10. EV.
- 31 ***Carex rupestris* All.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.
- 32 ***Carex saxatilis* L.**
Norway: Nord-Trøndelag, Meråker, Fonnfjellet, 63.419318° N | 11.590835° E
(WGS84). 2016-08-06. SPN.
- 33 ***Carex vaginata* Tausch**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.
- 34 ***Eriophorum angustifolium* Honckeny subsp. *angustifolium***
Norway: Nord-Trøndelag, Meråker, Fonnfjellet, 63.419318° N | 11.590835° E
(WGS84). 2016-08-14. SPN.
- 35 ***Eriophorum angustifolium* Honckeny subsp. *angustifolium***
Norway: Nordland, Dønna, Hestadtinden, 66.05418644° N | 12.44918745° E
(ETRS89). 2016-08-04. SPN.
- 36 ***Eriophorum latifolium* Hoppe**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.

Diapensiaceae

- 37 ***Diapensia lapponica* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. SPN.

Droseraceae

38 *Drosera longifolia* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.

Dryopteridaceae

39 *Polystichum lonchitis* (L.) Roth

Norway: Nordland, Vågan, Storemolla, 68.242964° N | 14.794041° E (WGS84). 2016-08-01. SPN.

Empetraceae

40 *Empetrum nigrum* L. subsp. *hermaphroditum* (Hagerup) Böcher

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

Ericaceae

41 *Arctous alpinus* (L.) Nied.

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° (WGS84). 2016-09-10. SPN.

42 *Loiseleuria procumbens* (L.) Desv.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN.

43 *Loiseleuria procumbens* (L.) Desv.

Norway: Nord-Trøndelag, Meråker, Fonnfjellet, 63.419318° N | 11.590835° E (WGS84). 2016-08-06. SPN.

Fabaceae

44 *Anthyllis vulneraria* L.

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° (WGS84). 2016-09-10. SPN.

45 *Lotus corniculatus*

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.

46 *Lotus corniculatus*

Norway: Nordland, Dønna, Skagalandet, 66.080732° N | 12.398164° E (WGS84). 2016-08-01. SPN.

Gentianaceae

47 *Gentianella amarella* (L.) Börner subsp. *amarella*

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

Geraniaceae

48 *Geranium sylvaticum* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM & SPN.

Hypericaceae

49 *Hypericum maculatum* Crantz

Norway: Sør-Trøndelag, Meldal, Resfjellet (Vålaskaret), 62.982691° N | 9.529349° E (WGS84). 2016-09-18. SPN.

Juncaceae

50 *Juncus conglomeratus* L.

Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

51 *Juncus squarrosus* L.

Norway: Sør-Trøndelag, Hemne, Vågan, UTM 32V 496400 7030900 (WGS84). 2016-09-18. EV.

52 *Juncus trifidus* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

53 *Luzula multiflora* (Retz.) Lej.

Norway: Nordland, Dønna, Skagalandet, 66.080732° N | 12.398164° E (WGS84). 2016-08-01. SPN.

Juncaginaceae

54 *Triglochin palustris* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

Lamiaceae

55 *Prunella vulgaris* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM, EV.

Lentibulariaceae

56 *Pinguicula vulgaris* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.

Liliaceae

57 *Polygonatum verticillatum* (L.) All.

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693° E (WGS84). 2016-09-10. SPN.

Myricaceae

58 ***Myrica gale* L.**

Norway: Sør-Trøndelag, Selbu, Slettberga. 2016-09-12. SPN.

Nartheciaceae

59 ***Narthecium ossifragum* Huds.**

Norway: Nordland, Dønna, Solfjell, 66.128002° N | 12.517867° E (WGS84).
2016-10-19. SPN.

Orchidaceae

60 ***Epipactis atrorubens* (Hoffm.) Besser**

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693°
(WGS84). 2016-09-10. SPN.

61 ***Epipactis helleborine* (L.) Crantz**

Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E
(WGS84). 2016-09-17. EV.

Oxalidaceae

62 ***Oxalis acetosella* L.**

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693°
(WGS84). 2016-09-10. SPN.

Parnassiaceae

63 ***Parnassia palustris* L.**

Norway: Sør-Trøndelag, Trondheim, Granåsen. 2016-09-10. EV.

Poaceae

64 ***Melica nutans* L.**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.

65 ***Molinia caerulea* (L.) Moench**

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E
(WGS84). 2016-09-12. EV.

66 ***Phleum alpinum* L.**

Norway: Sør-Trøndelag, Meldal, Resfjellet, 62.982691° N | 9.529349° E
(WGS84). 2016-09-18. SPN.

Pyrolaceae

67 ***Orthilia secunda* (L.) House**

Norway: Nord-Trøndelag, Stjørdal, Forbordsfjellet, 63.523010° N | 10.912693°
(WGS84). 2016-09-10. SPN.

Ranunculaceae

- 68 ***Aconitum lycoctonum* L. subsp. *septentrionale* (Koelle) Korsh.**
Norway: Sør-Trøndelag, Trondheim, Strindamarka, Estenstad, 63.392018° N | 10.486422° E (WGS84). 2016-08-28. SPN.
- 69 ***Thalictrum alpinum* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

Rosaceae

- 70 ***Alchemilla alpina* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.
- 71 ***Dryas octopetala* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM.
- 72 ***Dryas octopetala* L.**
Norway: Nord-Trøndelag, Meråker, Fonnfjellet, 63.419318° N | 11.590835° E (WGS84). 2016-08-06. SPN.
- 73 ***Dryas octopetala* L.**
Norway: Oppland, Lom, Jotunheimen, Bøvertvatnet, 61.645094° N | 8.083267° E (WGS84). 2016-09-19. SPN.
- 74 ***Potentilla palustris* (L.) Scop.**
Norway: Sør-Trøndelag, Trondheim, Strindamarka, Estenstad, 63.392018° N | 10.486422° E (WGS84). 2016-08-16. SPN.

Rubiaceae

- 75 ***Galium odoratum* (L.) Scop.**
Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

Salicaceae

- 76 ***Salix herbacea* L.**
Norway: Nordland, Dønna, Solfjell, 66.128002° N | 12.517867° E (WGS84). 2016-10-19. SPN.

Saxifragaceae

- 77 ***Saxifraga aizoides* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM, EV, SPN.
- 78 ***Saxifraga aizoides* L.**
Norway: Oppland, Lom, Jotunheimen, Bøvertvatnet, 61.645094° N | 8.083267° E (WGS84). 2016-09-19. SPN.
- 79 ***Saxifraga cotyledon* L.**
Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. EV.

80 *Saxifraga cotyledon* L.

Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

81 *Saxifraga oppositifolia* L.

Norway: Oppland, Lom, Jotunheimen, Bøvertovatnet, 61.645094° N | 8.083267° E (WGS84). 2016-09-19. SPN.

82 *Saxifraga stellaris* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM & SPN.

Scrophulariaceae

83 *Digitalis purpurea* L.

Norway: Sør-Trøndelag, Hemne, Vågan, UTM 32V 496400 7030900 (WGS84). 2016-09-18. EV.

84 *Linaria vulgaris* Miller

Norway: Sogn og Fjordane, Luster, Fortunsdalen. 2016-09-20. SPN.

85 *Pedicularis palustris* L.

Norway: Sør-Trøndelag, Trondheim, Granåsen, 63.37715° N | 10.29594° E (WGS84). 2016-09-10. EV.

86 *Scrophularia nodosa* L.

Norway: Sør-Trøndelag, Hemne, Storberget, 63.38765° N | 9.00666° E (WGS84). 2016-09-17. EV.

87 *Veronica fruticans* Jacq.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN.

88 *Veronica fruticans* Jacq.

Norway: Oppland, Lom, Jotunheimen, Bøvertovatnet, 61.645094° N | 8.083267° E (WGS84). 2016-09-19. SPN.

89 *Veronica officinalis* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN.

90 *Veronica serpyllifolia* L.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. SPN.

Tamaricaceae

91 *Myricaria germanica* (L.) Desv.

Norway: Nordland, Saltdal, Rognan, Medby, 67.063888° N | 15.384644° E (WGS84). 2016-08-01. SPN.

Tofieldiaceae

92 *Tofieldia pusilla* (Michx.) Pers.

Norway: Sør-Trøndelag, Selbu, Våttafjellet, 63.165717° N | 11.248569° E (WGS84). 2016-09-12. RM, EV, SPN.

Desiderata

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NORWAY

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Orders can be placed until 2017-03-15

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

Terms and conditions:

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- 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.