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# Semina Selecta 2020

The Linnaean Gardens of Uppsala:  
The Botanical Garden, The Linnaeus Garden,  
Linnaeus' Hammarby

Uppsala University



*Aconitum lycoctonum* ssp. *septentrionale* in the area for Scandinavian Alpine Plants.  
Photo: Jesper Kårehed.

## **Semina Selecta 2020**

The Linnaean Gardens of Uppsala:

(The Botanical Garden, The Linnaeus Garden, Linnaeus' Hammarby)

We refer to [www.botan.uu.se](http://www.botan.uu.se) for further information on our gardens.

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The family classification follows APG IV (The Angiosperm Phylogeny Group. 2016. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. Botanical Journal of the Linnean Society 181: 1–20).

The species names are generally according to currently accepted names in either Svensk Kulturväxtdatabas (SKUD, Nomenclature of cultivated plants in Sweden, <http://www.slu.se/skud>), Checklista över Nordens kärlväxter – version 2019-03-01 (Checklist of Nordic Vascular Plants, <http://www.euphrasia.nu/checklista>), or World Checklist of Selected Plant Families (<http://apps.kew.org/wcsp/home.do>).

All seeds are the result of open pollination.

We give no warranty of correct determination of the species. Any information on erroneously determined species are highly appreciated.

The Linnaean Gardens of Uppsala only deliver plant material under the condition that the receiver acts in a manner that is consistent to the letter and the spirit of the Convention on Biological Diversity, the Convention on International Trade in Endangered Species (CITES), the Code of Conduct of the International Plant Exchange Network (IPEN), and in compliance with all relevant conventions and laws relating to the protection of biological diversity. By requesting plant material, you confirm to accept the above condition.

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## Seeds collected in our plantations for Scandinavian Alpine Plants 2020

### Asteraceae

1. *Antennaria alpina* (L.) Gaertn. ssp. *canescens* (Lange) Chmiel.  
Seeds collected 24 July 2020 from a cultivated plant of known wild origin: Norway, Troms, Storfjord, Gappo, 69.03°N; 20.15° E, 705 m.a.s.l. Collector: Aino Hämäläinen. Seed source: Botanical Garden, University of Oulu, Finland; Index Seminum 2014, item 10. Our accession number 2015-0213.  
NO-0-OULU-2015-58

2. *Erigeron uniflorus* L.  
Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Norway, Troms, Kåfjord, Guolasjavri, 750 m.a.s.l. Collector: Arve Elvebakk. Seed source: Tromsø Botanic Gardens, Tromsø, Norway; Index Seminum 2012, item 108.  
NO-0-UPS-2013-0116

3. *Hieracium* L. sect. *Alpina* (Griseb.) Greml. (*Hieracium alpinum* L. s. l.)  
Seeds collected 13 July 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Torkilsstöten. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0514

4. *Saussurea alpina* (L.) DC.  
Seeds collected 12 August 2020 from a cultivated plant of known wild origin: Norway, Troms, Balsfjord, Holmvassfjellet, 400-510 m.a.s.l. Collectors: Amandine Deschamps, Martin Hajman & Kristian Nyvoll. Seed source: Tromsø Botanic Gardens, Tromsø, Norway; Index Seminum 2012, item 120.  
NO-0-UPS-2012-0093

### Boraginaceae

5. *Lappula deflexa* (Wahlenb.) Garcke  
Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Norway, NNO, Saltdal, Storfjord, Skogvoktergården, UTM N 7410860, E 0516916. Collector: Mats Nettelblad. 13 August 2012.  
NO-0-UPS-2012-0665

### Caryophyllaceae

6. *Arenaria norvegica* Gunnerus  
Seeds collected 24 June 2020 from a cultivated plant of known wild origin: Iceland, Eyjafjörður district, Krossanesborgir. Collector: Elin Gunnlaugsdóttir. Seed source: Lystigardur Akureyrar, Public Park and Botanic Garden, Iceland; Index Seminum 2010, item 726.  
IS-0-UPS-2012-0080

7. *Cerastium nigrescens* (H.C.Watson) H.C.Watson var. *laxum* (Lindblom) Brysting & Elven  
Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Norway, E Finnmark, Tana, Leirpollen, near the river Julelva, 75 m.a.s.l. Collector: Örjan Nilsson. 1998.  
NO-0-UPS-1999-1041

8. *Viscaria alpina* (L.) G.Don.  
Seeds collected 24 June 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Torkilsstöten, top of the mountain. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0522

### **Cornaceae**

9. *Cornus suecica* L.  
Seeds collected 19 August 2020 from a cultivated plant of known wild origin: Sweden, Jämtland, Nordtvärån, Storulvån, by parking lot. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 29 July 2012.  
SE-0-UPS-2012-0481

### **Crassulaceae**

10. *Rhodiola rosea* L.  
Seeds collected 24 July 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Torkilsstöten. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0639

### **Cyperaceae**

11. *Carex atrata* L.  
Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Skärvagsvallen, by the waterfall close to the bridge crossing Skärkan. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0631

12. *Carex capillaris* L.  
Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Sweden, Jämtland, Handöls Övre Kraftstation, roadside. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 29 July 2012.  
SE-0-UPS-2012-0480

13. *Carex capitata* L.  
Seeds collected 7 July 2020 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Dovrefjell mountains. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2009, item 107.  
NO-0-UPS-2009-0395

## Fabaceae

### 14. *Astragalus alpinus* L. ssp. *arcticus* Lindm.

Seeds collected 12 May 2020 from a cultivated plant of known wild origin: Finland, Koillismaa, Kuusamo, Jäkälämutka, 66.30°N; 29.64° E, 140 m.a.s.l. Collectors: Ritva Hiltunen, Aino Hämäläinen, Tuomas Kauppila, & Pasi Paavola. Seed source: Botanical Garden, University of Oulu, Finland; Index Seminum 2010/2011, item 206. Our accession number 2012-0187.  
FI-0-OULU-2010-927

### 15. *Lotus corniculatus* L. var. *borealis* Hyl.

Seeds collected 12 August 2020 from a cultivated plant of known wild origin: Norway, Oppland, Vågå, Gjendesheim, 1,100 m.a.s.l. Collector: L. K. Seed source: Botanical Garden, University of Oslo, Oslo, Norway; Index Seminum 2005.  
NO-0-UPS-2005-1036

## Juncaceae

### 16. *Juncus arcticus* Willd.

Seeds collected 21 August 2020 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 900 m.a.s.l. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2013, item 128.  
NO-0-UPS-2013-0141

### 17. *Juncus trifidus* L.

Seeds collected 24 July 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Grönfjället, bare fjeld, 1,000 m.a.s.l. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 11 August 2012.  
SE-0-UPS-2012-0548

## Papaveraceae

### 18. *Papaver radicum* Rottb. ssp. *radicum*

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Dovrefjell mountains, north of Kongsvoll Alpine Garden, 750 m.a.s.l. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2013, item 136.  
NO-0-UPS-2013-0142

## Poaceae

### 19. *Trisetum spicatum* (L.) K.Richt.

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Iceland, Kjarnaskógur, near Akureyri, 65° 39' N; 18° 08' W, 70-80 m.a.s.l. Seed source: Lystigardur Akureyrar, Public Park and Botanic Garden, Iceland; Index Seminum 2000, item 1173.  
IS-0-UPS-2001-1319

## Ranunculaceae

20. *Aconitum lycoctonum* L. ssp. *septentrionale* (Koelle) Korsh.

Seeds collected 12 August 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Grönfjället. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 11 August 2012.  
SE-0-UPS-2012-0549

21. *Dryas octopetala* L.

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Sweden, Torne Lappmark, W Tornehamn, 500 m.a.s.l. Collector: Örjan Nilsson. 1990.  
SE-0-UPS-1990-1753

22. *Dryas octopetala* L.

Seeds collected 16 July 2020 from a cultivated plant of known wild origin: Norway, Troms, Storfjord, Sallooaivi, 710 m.a.s.l. Collector: Aino Hämäläinen. Seed source: Botanical Garden, University of Oulu, Finland; Index Seminum 2010/2011, item 297. Our accession number 2012-0197.  
NO-0-OULU-2011-943

23. *Ranunculus platanifolius* L.

Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Torkilsstöten, near birch forest at the SE side. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0533

24. *Trollius europaeus* L.

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Sweden, Lappland, Hemavan, slope by the gardens. Collector: A. Karlsson. 2012. Seed source: Fjällbotaniska trädgården, Hemavan, Sweden.  
SE-0-UPS-2012-0669

## Rosaceae

25. *Alchemilla alpina* L.

Seeds collected 20 August 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Tännäs, Fjällnäs, 1.5 km N of the hotel. Collector: Örjan Nilsson. July 1985.  
SE-0-UPS-1985-8163

26. *Potentilla multifida* L.

Seeds collected 20 July 2020 from a cultivated plant of known wild origin: Sweden, Torne Lappmark, Abisko, by STF Abisko Turiststation, 400 m.a.s.l. Collector: Örjan Nilsson. July 1984.  
SE-0-UPS-1984-1842

27. *Potentilla nivea* L.

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Hede, Medskogen, Ulvberget, 500 m.a.s.l. Collector: Örjan Nilsson. 1987.  
SE-0-UPS-1987-8564

## Saxifragaceae

### 28. *Saxifraga aizoides* L.

Seeds collected 30 June 2020 from a cultivated plant of known wild origin: Sweden, Jämtland, Gettryggen, bare fjeld, 1,100 m.a.s.l. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 26 July 2012.  
SE-0-UPS-2012-0449

### 29. *Saxifraga cespitosa* L.

Seeds collected 2 July 2020 from a cultivated plant of known wild origin: Sweden, Härjedalen, Torkilsstöten, top of the mountain. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 9 August 2012.  
SE-0-UPS-2012-0518

### 30. *Saxifraga cotyledon* L.

Seeds collected 20 August 2020 from a cultivated plant not of known wild origin.  
Seed source: Botanischer Garten Frankfurt am Main; Frankfurt am Main, Germany; Index Seminum 2002.  
XX-0-UPS-2002-1302

### 31. *Saxifraga oppositifolia* L.

Seeds collected 30 June 2020 from a cultivated plant of known wild origin: Sweden, Jämtland, Tväråklumparna, north of Nordtvärån, 1,130 m.a.s.l. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 28 July 2012.  
SE-0-UPS-2012-0473

### 32. *Saxifraga paniculata* Mill. ssp. *paniculata*

Seeds collected 30 June 2020 from a cultivated plant of known wild origin: Norway, Rogaland, Blåfjäll. Collector: Örjan Nilsson. July 1983.  
NO-0-UPS-1985-8145

## Violaceae

### 33. *Viola biflora* L.

Seeds collected 12 August 2020 from a cultivated plant of known wild origin: Sweden, Jämtland, Lillulvåfjället, 1,050 m.a.s.l. Collectors: Christina Grusell, Annika Vinnersten, Roger Holt & Siri Holmberg. 27 July 2012.  
SE-0-UPS-2012-0461

### 34. *Viola rupestris* F.W.Schmidt ssp. *relicta* Jalas

Seeds collected 24 June 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-0000-2566

## Material collected in the Tropical Greenhouse 2020

### Acanthaceae

35. *Crossandra infundibuliformis* (L.) Nees

Seeds collected 2020 from a cultivated plant not of known wild origin.

XX-0-UPS-0000-3331

36. *Ruellia rosea* (Nees) Hemsl.

Seeds collected 2020 from a cultivated plant of known wild origin: Mexico.

Collector Mikael Hedrén. 1991.

MX-0-UPS-1991-3214

### Amaranthaceae

37. *Pleuropetalum darwinii* Hook.f.

Seeds collected 2020 from a cultivated plant not of known wild origin. Seed source: Botanical Garden of the University of Turku.

XX-0-UPS-1999-3039

### Araceae

38. *Amorphophallus albus* P.Y.Liu & J.F.Chen

Tubers collected 2020 from a cultivated plant not of known wild origin. Tuber source: Gothenburg Botanical Garden, Gothenburg, Sweden; their accession no. 2010-2817, BG 00276 (Loki-Schmidt-Garten, Botanischer Garten der Universität Hamburg, Ham 1222).

XX-0-UPS-2019-0032

39. *Amorphophallus impressus* Ittenb.

Tubers collected 2020 from a cultivated plant of known (indirect) wild origin. Tuber source: Gothenburg Botanical Garden, Gothenburg, Sweden; their accession no. 2009-1820 (Loki-Schmidt-Garten, Botanischer Garten der Universität Hamburg, Ham 1381).

MW-0-UPS-2012-0723

40. *Amorphophallus konjac* K.Koch

Tubers collected 2020 from a cultivated plant not of known wild origin. Tuber source: Botanischer Garten & Naturkundliche Station und Arboretum der Stadt Linz, Austria; Index Seminum 2007, item 1.

XX-0-UPS-2008-0246

### Aristolochiaceae

41. *Aristolochia fimbriata* Cham. & Schldl.

Seeds collected 2020 from a cultivated plant not of known wild origin. Seed source: Winterbourne Botanic Garden, Birmingham University, Birmingham, UK; Index Seminum 2008/2009, item 391 (H.B. Erlangen). Our accession number: 2009-0153.

XX-0-ULM-2004-G-33



42. *Aristolochia trilobata* L.

Seeds collected 2020 from a cultivated plant of known (indirect) wild origin. Seed source: Utrecht University Botanic Gardens, Utrecht, the Netherlands; Index Seminum 2009, item 9 (French Guiana, Saül. Collector: S. Mori, no. 22351. 2007.). Our accession number 2010-0436.  
GF-0-U-1992GR00904

**Asteraceae**

43. *Kleinia caespitosa* Thulin

Rhizomes collected 2020 from a plant collected directly from wild: Somalia, Sanaag Region, escarpment S of Laasqoray, the Geldora Pass. 10° 59' N, 48° 21' E. Collectors: Mats Thulin, Abdi Dahir & Abdisalam Hassan. 20 Jan 1995.  
SO-0-UPS-1996-1559

**Dioscoriaceae**

44. *Dioscoria polystachia* Turcz.

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-1985-3060

**Gesneriaceae**

45. *Achimenes admirabilis* Wiehler

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-2016-1619

46. *Achimenes dulcis* C.V.Morton

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-1997-3153

47. *Achimenes grandiflora* (Schiede) DC.

Tubers collected 2020 from a cultivated plant not of known wild origin. Seed source: Royal Botanic Gardens Kew, Richmond, UK; Index Seminum 1989, item 510-8405300.  
XX-0-UPS-1989-3184

48. *Achimenes mexicana* (Seem.) Benth. & Hook.f. ex Fritsch

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-2016-1612

49. *Achimenes misera* Lindl.

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-2017-0948

50. *Achimenes* sp.

Tubers collected 2020 from a cultivated plant (received as rhizome) of known (indirect) wild origin: Ecuador.  
EC-0-UPS-2011-0189

51. *Corytoplectus capitatus* (Hook.) Wiehler

Seeds collected 2020 from a cultivated plant not of known wild origin. Seed source: Botanischer Garten der Justus-Liebig-Universität, Giessen; Germany; Index Seminum 1985.  
XX-0-UPS-2011-0086

52. *Gloxinia perennis* (L.) Fritsch

Tubers collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-1983-3080

53. *Niphaea oblonga* Lindl.

Tubers collected 2020 from a cultivated plant not of known wild origin. Plant source: Royal Botanic Gardens Kew, Richmond, UK.  
XX-0-UPS-1989-3155

### Malvaceae

54. *Gossypium barbadense* L.

Seeds collected 2020 from a cultivated plant not of known wild origin. Seed source: Botanischer Garten München, München, Germany; Index Seminum 2000.  
XX-0-UPS-2017-0911

### Melastomataceae

55. *Clidemia hirta* (L.) D. Don.

Seeds collected 2020 from a plant collected directly from wild: Fiji, Mba Province, Viti Levu, Nandarivatu Forest Reserve, 800 m.a.s.l. Collector: Lars Jonsson. Dec 1986.  
FJ-0-UPS-1987-3438

### Musaceae

56. *Musa velutina* H. Wendl. & Drude.

Seeds collected 2020 from a cultivated plant not of known wild origin. Plant source: Bergius Botanic Garden, Stockholm, Sweden.  
XX-0-UPS-2005-3003

### Primulaceae

57. *Cyclamen cilicium* Boiss. & Heldr.

Seeds collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-2018-0545

58. *Cyclamen libanoticum* Hildebr.

Seeds collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-2018-1010

### Rutaceae

59. *Erythrochiton brasiliensis* Nees & Mart.

Seeds collected 2020 from a cultivated plant not of known wild origin.  
XX-0-UPS-1998-3169

### Solanaceae

60. *Capsicum rhomboideum* (L.) Jack

Seeds collected 2020 from a cultivated plant not of known wild origin. Seed source: Wilhelma, Der Zoologisch-Botanische Garten, Stuttgart, Germany; Index Seminum 2016, item 602. Our accession number 2017-0806.  
XX-0-BONN-31580