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UNIVERSITET

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Semina Selecta 2016

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

Uppsala University



Dryas octopetala in the area for Scandinavian Alpine Plants.
Photo: Jesper Kårehed.

Semina Selecta 2016

The Linnaean Gardens of Uppsala:

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

We refer to www.botan.uu.se for further information on our gardens.

Requests can be sent to botanical.garden@botan.uu.se or to the postal address on the first page.

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 2014-07-05 (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 seeds you confirm to accept the above condition.

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Seeds collected in our plantations for Scandinavian Alpine Plants 2015 and 2016

Asteraceae

1. *Erigeron borealis* (Vierh.) Simmons

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Iceland, near Akureyri, Krossanesborgir. Collector: Elin Gunnlaugsdóttir. Seed source: Lystigardur Akureyrar, Public Park and Botanic Garden, Iceland; Index Seminum 2012/2013.

IS-0-UPS-2013-0147

2. *Hieracium* L. sect. *Alpina* (Griseb.) Gremlí (*Hieracium alpinum* L. s. l.)

Seeds collected 11 August 2015 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

3. *Solidago virgaurea* L. ssp. *lapponica* (With.) Tzvelev (*Solidago virgaurea* L. ssp. *alpestris* (Waldst. & Kit.) Gremlí)

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Norway, Troms, Storfjord, Sallooaivi. Collectors: Ritva Hiltunen, Aino Hämäläinen, Tuomas Kauppila, & Pasi Paavola. Seed source: Botanical Garden, University of Oulu, Finland; Index Seminum 2010/2011. Our accession number 2012-0172.

NO-0-OULU-2011-980

Boraginaceae

4. *Lappula deflexa* (Wahlenb.) Garcke

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Norway, NNO, Saltdal, Storfjord, Skogvoktergården, UTM N 7410860, E 0516916. Collector: Mats Nettelblatt. 13 August 2012.

NO-0-UPS-2012-0665

5. *Lappula deflexa* (Wahlenb.) Garcke

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Norway, NNO, Saltdal, Storfjord, Skogvoktergården, UTM N 7410860, E 0516916. Collector: Mats Nettelblatt. 13 August 2012.

NO-0-UPS-2012-0665

Brassicaceae

6. *Draba alpina* L.

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Sweden, Härjedalen, Stor-Mittåklappen. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 10 August 2012.

SE-0-UPS-2012-0708

7. *Draba glabella* Pursh var. *glabella*

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Dovrefjell mountains, by Kongsvoll Alpine Garden, 62° 18' N, 09° 36' E. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2013.

NO-0-UPS-2013-0135

Caryophyllaceae

8. *Cerastium alpinum* L. ssp. *glabratum* (Hartman) Á. & D.Löve
Seeds collected 11 August 2015 from a cultivated plant of known wild origin:
Norway, Sørtrøndelag, Feragen, 62° 33' N; 11° 49' E, 780 m.a.s.l. Collector: Mattias
Iwarsson. 1 August 2008.
NO-0-UPS-2008-0369

9. *Viscaria alpina* (L.) G.Don.
Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Sweden,
Lappland, Solbergs strand by Laisan. Collector: A. Karlsson. 2012. Seed source:
Fjällbotaniska trädgården, Hemavan, Sweden.
SE-0-UPS-2012-0667

Crassulaceae

10. *Rhodiola rosea* L.
Seeds collected 11 August 2015 from a cultivated plant of known wild origin:
Norway, Oppland, Vågå, Gjendesheim. Collectors: Brita Stedje & Tore Björn
Stensrud. Seed source: The Botanical Garden, University of Oslo, Oslo, Norway;
Index Seminum 2007.
NO-0-UPS-2007-1028

Cyperaceae

11. *Carex aquatilis* Wahlenb. ssp. *stans* (Drejer) Hultén
Seeds collected 8 September 2016 from a cultivated plant of known wild origin:
Norway, Hedmark, Folldal, close to Bruvoll. Collector: Örjan Nilsson. 12 July 1986.
NO-0-UPS-1986-8515

12. *Carex capitata* L.
Seeds collected 8 September 2016 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.
NO-0-UPS-2009-0395

Fabaceae

13. *Astragalus alpinus* L. ssp. *arcticus* Lindm.
Seeds collected 11 August 2015 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. Our accession number 2012-0187.
FI-0-OULU-2010-927

14. *Oxytropis campestris* (L.) DC. ssp. *sordida* (Willd.) C.Hartm.
Seeds collected 8 September 2016 from a cultivated plant of known wild origin:
Finland, Koillismaa, Kuusamo, Jäkälämutka, 66.30°N; 29.63° E, 130 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. Our accession number 2012-0188.
FI-0-OULU-2010-911

Plumbaginaceae

15. *Armeria scabra* Pall. ex Roem. & Schult.

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Norway, Troms, Kåfjord, Guolasjavri, 750 m.a.s.l. Collectors: Arve Elvebakk & Ivar Johnsen. Seed source: Tromsø Botanic Gardens, Tromsø, Norway; Index Seminum 2012.

NO-0-UPS-2012-0102

Poaceae

16. *Trisetum spicatum* (L.) K.Richt.

Seeds collected 23 June 2016 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.

IS-0-UPS-2001-1319

Primulaceae

17. *Primula scandinavica* Bruun

Seeds collected 8 September 2016 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Kongsvoll, 900 m.a.s.l. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2010.

NO-0-UPS-2010-0449

18. *Primula scandinavica* Bruun

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Norway, Sør-Trøndelag, Oppdal, Kongsvoll, 900 m.a.s.l. Collector: Tommy Prestø. Seed source: Ringve Botanical Garden, Trondheim, Norway; Index Seminum 2010.

NO-0-UPS-2010-0449

19. *Primula stricta* Hornem.

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Iceland, Eyjafjörður, Kjarnaskógur, 65° 39' N; 18° 08' W, 50 m.a.s.l. Seed source: Hortus Botanicus Reykjavikensis; Reykjavik, Iceland; Index Seminum 2011/2012. Our accession number 2012-0115.

IS-0-REYK-2002/001

Ranunculaceae

20. *Dryas octopetala* L.

Seeds collected 23 June 2016 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

21. *Dryas octopetala* L.

Seeds collected 11 August 2015 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. *Pulsatilla vernalis* (L.) Mill.

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Norway, Oppland, Beitostölen. Seed source: Gothenburg Botanical Garden, Gothenburg, Sweden; their accession no. 2013-655.
NO-0-UPS-2014-0126

23. *Ranunculus platanifolius* L.

Seeds collected 11 August 2015 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 23 June 2016 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

Saxifragaceae

25. *Saxifraga cespitosa* L.

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Iceland, Mordalur, Vík, 63° 24' N; 19° 01' W. Seed source: Hortus Botanicus Reykjavikensis; Reykjavik, Iceland; Index Seminum 2011/2012. Our accession number 2012-0116.
IS-0-REYK-2010/044

26. *Saxifraga oppositifolia* L.

Seeds collected 23 June 2016 from a cultivated plant of known wild origin: Sweden, Härjedalen, Stor-Mittåkläppen. Collectors: Christina Grusell, Magnus Lidén & Roger Holt. 10 August 2012.
SE-0-UPS-2012-0571

27. *Saxifraga paniculata* Mill.

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Switzerland, Sankt Gallen, Alt St. Johann, Churfirten, 1,620 m.a.s.l. Seed source: Botanischer Garten der Universität Zürich, Zürich, Switzerland; Index Seminum 2011. Our accession number 2012-0012.
CH-0-Z-20110588

Tofieldiaceae

28. *Tofieldia pusilla* (Michx.) Pers.

Seeds collected 8 September 2016 from a cultivated plant of known wild origin: Sweden, Jämtland, Lillulvåfjället, 930 m.a.s.l. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 27 July 2012.
SE-0-UPS-2012-0462

29. *Tofieldia pusilla* (Michx.) Pers.

Seeds collected 11 August 2015 from a cultivated plant of known wild origin: Sweden, Jämtland, Lillulvåfjället, 930 m.a.s.l. Collectors: Christina Grusell, Annika Vinnersten & Roger Holt. 27 July 2012.
SE-0-UPS-2012-0462

Seeds collected in the Linnaeus Garden 2016

Asteraceae

30. *Tagetes erecta* L.

From a cultivated plant not of known wild origin. Tall, slender cultivar.
XX-0-UPS-2017-0150

31. *Tagetes patula* L.

From a cultivated plant not of known wild origin. Tall, slender cultivar.
XX-0-UPS-2017-0151

Material collected in the Tropical Greenhouse 2016

If other kinds of propagules than seeds are collected, notes are given below.

Amaryllidaceae

32. *Hippeastrum striatum* (Lam.) H.E.Moore

Bulbs

From a cultivated plant not of known wild origin. Gift from Brazil; received as
Hippeastrum striatum 'Saltao',
BR-0-UPS-2008-0328

Araceae

33. *Amorphophallus dunnii* Tutcher

Tubers

From a cultivated plant not of known wild origin. Plant source: Gothenburg
Botanical Garden, Gothenburg, Sweden; their accession no. 2001-1559.
XX-0-UPS-2010-0620

34. *Amorphophallus impressus* Ittenb.

Tubers

From a cultivated plant not of known wild origin. Plant source: Gothenburg
Botanical Garden, Gothenburg, Sweden; their accession no. 2009-1820.
XX-0-UPS-2012-0723

35. *Amorphophallus konjac* K.Koch

Tubers

From a cultivated plant not of known wild origin. Seed source: Botanischer Garten
& Naturkundliche Station und Arboretum der Stadt Linz, Austria; Index Seminum
2007.
XX-0-UPS-2008-0246

36. *Amorphophallus variabilis* Blume

Tubers

From a cultivated plant not of known wild origin. Plant source: Gothenburg
Botanical Garden, Gothenburg, Sweden; their accession no. 2008-1637.
XX-0-UPS-2010-0621

Asphodelaceae

37. *Aloe lateritia* Engl. var. *graminicola* (Reynolds) S. Carter
From a cultivated plant not of known wild origin. Seed source: Sukkulenten
Sammlung Zürich; Index Seminum 1987/1988.
XX-0-UPS-1988-3254

Asteraceae

38. *Kleinia caespitosa* Thulin
Rhizomes
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

Cleomaceae

39. *Cleome viridiflora* L. (*Cleome gigantea* L.)
From a cultivated plant not of known wild origin, propagated by cuttings several
times. Seed source: Biologisk Institut, Aarhus, Denmark, 2007.
XX-0-UPS-2015-0241

Geraniaceae

40. *Pelargonium elongatum* (Cav.) Salisb.
From a cultivated plant not of known wild origin.
XX-0-UPS-2016-1654

41. *Pelargonium* cf. *inodorum* Willd.
From a cultivated plant not of known wild origin.
XX-0-UPS-2016-1655

Gesneriaceae

42. *Achimenes admirabilis* Wiehler
Tubers
From a cultivated plant not of known wild origin.
XX-0-UPS-2016-1619

43. *Achimenes dulcis* C.V. Morton
Tubers
From a cultivated plant not of known wild origin.
XX-0-UPS-1997-3153

44. *Achimenes mexicana* (Seem.) Benth. & Hook.f. ex Fritsch
Tubers
From a cultivated plant not of known wild origin.
XX-0-UPS-2016-1612

45. *Achimenes* sp.
Tubers
From a cultivated plant not of known wild origin.
XX-0-UPS-1987-3185

46. *Achimenes* sp.

Tubers

Plant collected directly from wild: Ecuador.

EC-0-UPS-2011-0189

47. *Corytoplectus capitatus* (Hook.) Wiehler

From a cultivated plant not of known wild origin.

XX-0-UPS-2011-0086

48. *Gloxinia perennis* (L.) Fritsch

Tubers

From a cultivated plant not of known wild origin.

XX-0-UPS-1983-3080

49. *Seemannia purpurascens* (Hook.) Wiehler

Tubers

Plant collected directly from wild: Bolivia.

BO-0-UPS-2016-1624

Oxalidaceae

50. *Oxalis triangularis* A.St.-Hil. ssp. *papilionacea* (Zucc.) Lourteig

Bulbs

From a cultivated plant not of known wild origin.

XX-0-UPS-1997-3147

Rubiaceae

51. *Geophila repens* (L.) I.M. Johnston

Plant collected directly from wild: Cook Islands, Rarotonga, S Avarua, track from Te Rua Manga along Papua Stream. Collector: Lars Jonsson. 11 March 1987.

CK-0-UPS-1987-3130

Rutaceae

52. *Erythrochiton brasiliensis* Nees & Mart.

From a cultivated plant not of known wild origin.

XX-0-UPS-1998-3169

Solanaceae

53. *Solanum betaceum* Cav.

From a cultivated plant not of known wild origin.

XX-0-UPS-2006-3001