

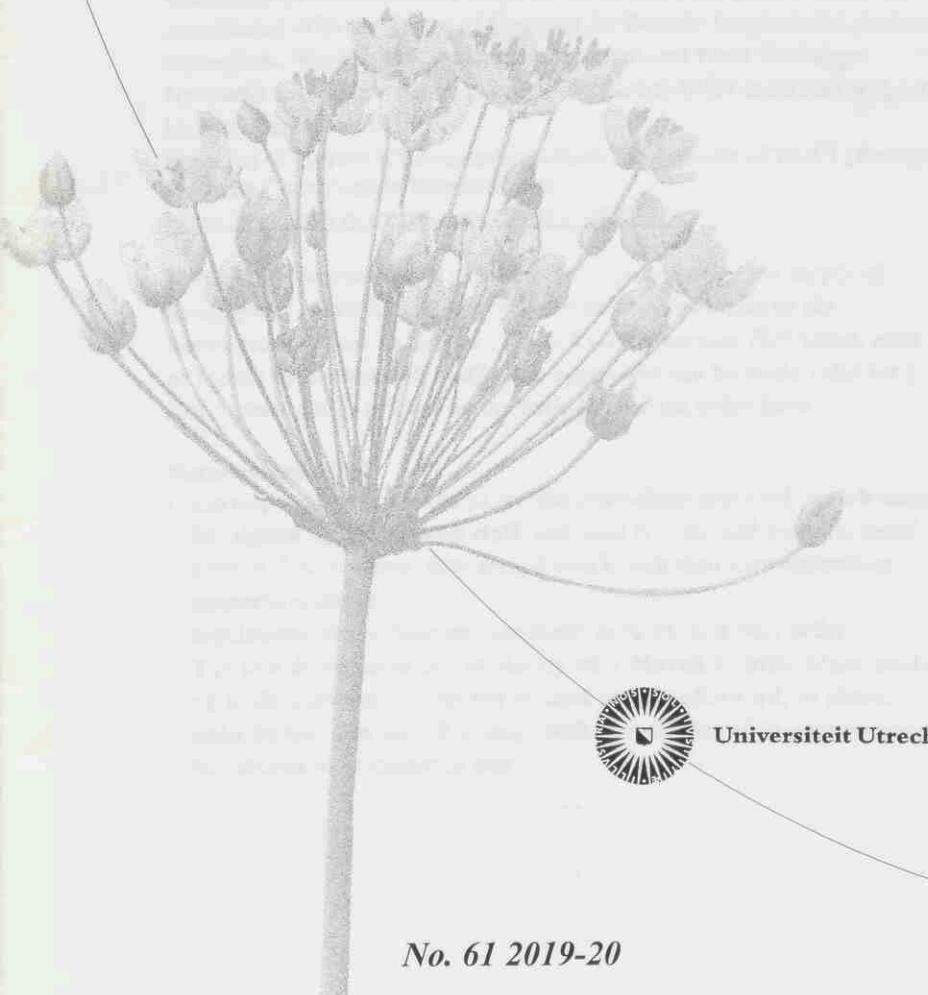


Index seminum

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Index Seminum

*Utrecht University
Botanic Gardens
The Netherlands*



No. 61 2019-20

UNIVERSITEITSBIBLIOTHEEK UTRECHT



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Utrecht University Botanic Gardens

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Index Seminum No. 61 - 2019-20

Internet Orders: <http://botuserv.bio.uu.nl/Atlantis/seedlist.html>
(including many pictures)

In response to the Convention on Biological Diversity (**CBD**), the Utrecht University Botanic Gardens supplies seeds and other plant material in accordance with the Code of Conduct for Botanic Gardens and similar collections. We are **IPEN**-member (**International Plant Exchange Network**) and can exchange material with other IPEN-members without bi-lateral agreements

For a list of current IPEN-members check the web-site of BGCI (**Botanic Gardens Conservation International**).

http://www.bgci.org/resources/History_of_IPEN/

Non IPEN-members have to return the “*Agreement on the supply of living plant material for non-commercial purposes leaving the International Plant Exchange Network (IPEN version 2b)*” which must be signed by **authorized staff**. This agreement can be made valid for 1, 3 or 5 years and is printed on the back-side of the order form.

Notes on ordering:

- Correspondents are asked to use the order-form provided, **which must be signed by authorised staff**, and send it to the address mentioned upon it. Furthermore, they should check with their own authorities concerning import-regulations and include any necessary permits with their order.
- The first distribution will be shortly after **March 1, 2020**. Many seeds of limited amount will be out of stock shortly afterward, so please order before this date. Requests, with a maximum of 25 packets will be handled in sequence of entry

Staff

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Situation and climate:

Geographical position of the Main Garden	52° 06' N : 5°11' E
Altitude	2 m above sea level
Mean daily minimum of the coldest month	- 0,6°C
Mean daily maximum of the warmest month	+ 21,6°C
Highest temperature	+ 36,8°C *
Lowest temperature	- 24,8°C *
Average rainfall	803 mm

*Monitored since 1849

From the Curator's Department

With the presentation of this Index Seminum No. **61-2019-20** we take the opportunity, as usual, to inform you on the latest developments in Utrecht University Botanic Gardens.

In general, the activities of the curators are divided in the following main groups:

- Hans Persoon [HP]: Systematic Garden, Theme Garden, Central Route and student courses.
- Eric Gouda [EG]: Greenhouse Collections (focal point: Neotropical Collections) and the Rock Garden

Specializations:

In the framework of the National Plant Collection (NP), Utrecht University Botanic Gardens are maintaining specializations on the following groups and taxa:

- Flora of the Neotropics: [EG] Flora of the Guianas, with special emphasis on:
 - Bromeliaceae*
 - Orchidaceae*
 - Costaceae*
 - Annonaceae* (Research Collection) [EG]
 - Cecropiaceae* [EG]
 - Rhipsalis* [EG]
 - Aeonium*[EG]
 - Alpines* [EG]
 - Penstemon* [EG]
 - Eriogonum* [EG]
- selected woodland plants (*Arisaema*, *Asarum*, & *Trillium*) [EG]

These specializations are given extra attention regarding verification, nomenclature, wild source material, etc.

We are especially interested in material from natural sources of the groups and taxa mentioned above. We seek cooperation with gardens with identical specializations. If you are interested, please contact us and we will provide additional information.

Bromeliaceae:

Study and development in the *Bromeliaceae* collection has several focus points. In the first place the *Bromeliaceae* research project for the "Flora of the Guianas" and for the Flora of Ecuador: we try to grow all possible species from this area. Beside this, the *Tillandsioideae* collection (as Subfamily of the *Bromeliaceae*) is part of the National Plant Collection (NP). The genus *Tillandsia* of the Andean countries (especially Bolivia & Ecuador) has a special attention because of the various taxonomic problems on species level in these areas. To increase the general knowledge about the recognised genera in the Family we try to grow representatives from all genera. It is evident that our *Bromeliaceae* Collections will increase dramatically in both size and quality.

Arisaema:

The last few years we have been very active with this group, increasing the number of wild collected species in the collection. Some areas, like the Peat Garden, have been improved to grow more *Arisaemas*. International contact with various *Arisaema* (*Araceae*) specialists caused considerable improvement of the collection.

Last but not least, the living collections have been enriched this year. Many new accessions from natural sources replaced accessions from cultivated origin, as part of the long-term collection strategy to replace plants of cultivated origin for wild- collected stock.

Codes used

Verification:

The seeds in this list have been taken from verified plants and only if we were reasonably sure that cross-pollination with related species would be unlikely. Verification codes used:

- 0**= not been determined by any authority;
- 1**= determined by comparison with other named plants;
- 2**= determined by a taxonomist or other competent person;
- 3**= determined by a specialist (taxonomist working on that group)

Explanation of provenance codes of the plants:

W= Accession of wild source (treat as 'Z' because the donor plant is cultivated in our B.G., except W*, which is wild collected seed, distributed as such.)

Z= from a wild source plant in cultivation.

G= Garden origin.

IPEN-Number:

The first two positions are the iso-code of the country of origin. xx means: country of origin unknown.

The next position is a digit meaning: special restrictions (1) or not (0).

The next position is the abbreviation of the garden introducing the material in IPEN (in this seed-list only u).

The rest consists of the internal accession number:

The first four digits of it indicate the year of registration, (1900 = unknown year of entry).

The next two characters are coding for the garden location or specific group of plants: **GR**=Green houses; **BL**=Rock Garden;

ZG=Orig. Von Gimborn Arboretum; **RD**=Woody Plants; **SL**=Seedlist only; **ZE**=Annuals and Biennials; **ZS** and **ZB**= Perennials.
The other five digits are a sequence number within a year.

The IPEN-number as a whole stays attached to the accession, wherever it may go, so that it is always possible to trace back its origin.

The * at the end of the description is followed by the seed-list collecting year.

Annonaceae

1. 3W *Mkilua fragrans* Verdc.
[IPEN ke-0-u-1991GR01649] Kenya. *2018

Apiaceae

2. 2G *Olymposciadium caespitosum* (J.E.Sm.) Wolff
[IPEN XX-0-U-1969BL00242] *2019

Araceae

3. 3W *Arisaema ciliatum* var. *liubaense* Gusman & Gouda
[IPEN cn0u-1989BL00077] China South-Central, Sichuan, Liuba ,
Alt.: 3600 m. , Coll.: Teune, C. 369 14/09/1981 *2017
4. 2Z *Arisaema consanguineum* Schott
[IPEN CN-0-U-2001BL00109] China , San-ba. , Coll.: A Exp.-'94
China (A.G.S.) 2036 *2019
5. 2Z *Arisaema consanguineum* Schott
[IPEN CN-0-U-1998BL00143] China , Tie Jie Shan, just before the
summit pass on the drive from ali to Lijiang. , Alt.: 3000 m. *2019
6. 2G *Arisaema flavum* var. *flavum*
[IPEN xx0u-1996BL01189] *2017

Aristolochiaceae

7. 2W *Aristolochia trilobata* L.
[IPEN gf0u-1992GR00904] French Guiana , Saül. , Coll.: Mori, S.
22351 *2016

Asteraceae

8. 1W *Cynara cardunculus* L.
[IPEN it0u-2001BL00758] Italy, Sicilia 1994 *2017
9. 2Z *Helichrysum compactum* Boiss.
[IPEN TR-0-U-2004BL01351] Turkey , Kastamonu, Ilgaz Dagi Pass , Alt.: 1800 m. , Coll.: Persson, J. 94-17 *2019
10. 2Z *Helichrysum nudifolium* subsp. *pilosellum* (L.f.) Beentje
[IPEN LS-1-M-2010/0431] Lesotho , Qacha's Nek Distr., Ramatseliso's Gate , Alt.: 2418 m. , Coll.: B.Ntloko *2019
11. 1G *Mutisia coccinea* St.-Hil.
[IPEN XX-0-U-2007GR00865] *2019

Berberidaceae

12. 1W *Diphylleia cymosa* Michx.
[IPEN US-0-U-2001BL00058] United States, North Carolina , Haywood County, Pisgah Nat. Forest, State Highway 215, shade, Alt.: 1000 m. 14/09/2000 *2019

Betulaceae

13. 2W *Betula lenta* subsp. *lenta*
[IPEN ca0u-1986RD00002] Canada, Ontario , Niagara Reg., Louth Tp., only verified population in Canada, steep slope above Lake Ontario; 1985. , Alt.: 88 m. *2018

Bignoniaceae

14. 1W *Chilopsis linearis* (Cav.) Sweet
[IPEN us-0-u-2011GR01069] United States, Texas *2018

Brassicaceae

15. 2W *Arabis soyeri* subsp. *jacquinii* (G.Becker) B.M.G.Jones
[IPEN sk-0-u-1992BL01345] Slovakia, Velka Fatra, Selenec.
*2018
16. 2Z *Aubrieta canescens* (Boiss.) Bornm.
[IPEN TR-0-U-1999BL00918] Turkey, Anatolia , Taurus near
Pozanti 1972 *2019
17. 2Z *Aubrieta thessala* Boiss.
[IPEN GR-0-U-1997BL01116] Greece , Pieria, Olympus, Enipevs-
Rema. *2019
18. 2W *Erysimum pulchellum* (Willd.) Gay.
[IPEN TR-0-U-2010BL00844] Turkey , Boz Dag , Alt.: 2000 m.
*2019
19. 1W *Pachyphragma macrophyllum* (Hoffm.) N.Busch
[IPEN xx0u-1998BL00720] Caucasus , NW. *2019

Bromeliaceae

20. 3W *Wittmackia lingulata* (L.) Mez
[IPEN MQ-0-U-1996GR00403] Martinique , near parque Trois
Ilets, epiphyte on Haematoxylon campedrianum. *2019
21. 3W *Aechmea racinæ* L.B.Sm.
[IPEN BR-0-U-2000GR00642] Brazil, Santa Catarina Coll.: Ehlers,
Renate s.n. *2018
22. 3W *Dyckia ferox* Mez
[IPEN PY-0-U-1997GR00647] Paraguay , Dept. Cordillera, hills W
of Tobati , Alt.: 450 m. , Coll.: Till, W. 6050 09/02/1991 *2018
23. 3W *Dyckia ferox* Mez
[IPEN PA-0-U-1996GR01183] Paraguay , Dept. Paraguari,
Cordillera de los Altos, parque San Roque 24 Km NE of Paraguari;
, Alt.: 500 m. , Coll.: Till, W. 6019 03/02/1991 *2019
24. 3W *Dyckia* aff. *gilliesii* Baker
[IPEN AR-1-HEID-130017] Argentina Northeast, Córdoba ,
Departamento Tulumba, next inhabited place Cerro Colorado , Alt.:
550 m. , Coll.: Jörg Piltz R:64237 (Heid.) 08/1983 *2019

Bromeliaceae (cont.)

25. 3W *Guzmania osyana* (E.Morren) Mez
[IPEN EC-0-U-2017GR00829] Ecuador , Mountain road Union del Toachi to Sigchos , Alt.: 1571 m. , Coll.: Jan Verkade *2019
26. 3Z *Pitcairnia capixaba* Fraga & Leme
[IPEN BR-0-U-2012GR00905] Brazil Southeast, Espirito Santo , border Minas Gerais, Vargena Alta *2017
27. 3W *Pitcairnia echinata* Hook.f.
[IPEN CO-0-U-2014GR00824] Colombia , San Vicente del Termales , Coll.: Peter Tristram s.n. 2014 *2019
28. 3W *Pitcairnia flammnea* var. *floccosa* L.B.Sm.
[IPEN BR-0-U-2012GR00681] Brazil Southeast, Rio de Janeiro , mun. Campos, Morro do Côco , Alt.: 150 -250 m. , Coll.: Walter Till 11140 04/02/1995 *2018
29. 3Z *Pitcairnia flammnea* var. *glabrior* L.B.Sm.
[IPEN BR-0-U-2001GR00086] Brazil , Teresopolis *2019
30. 3W *Pitcairnia flammnea* var. *roezlii* (E.Morr.) L.B.Sm.
[IPEN BR-0-U-2000GR00771] Brazil Southeast, Guanabara Rio de Janeiro City , Coll.: Leme, E. s.n. *2018
31. 3W *Pitcairnia graffii* Rauh
[IPEN VE-1-HEID-102579] Venezuela , E Tachira, SW of El Capacho, down to San Antonio , Alt.: 1000 m. , Coll.: Graf, H. Venezuela s.n. (R64680) 27/02/1993 *2019
32. 3W *Pitcairnia heterophylla* (Lindl.) Beer
[IPEN EC-0-U-2009GR01351] Ecuador , Rio Los Cedros , Alt.: 1100 m. , Coll.: Doug Binns (Aus) 11/2008 *2019
33. 3W *Pitcairnia integrifolia* Ker Gawl.
[IPEN TT-0-U-1993GR00746] Trinidad , Mt. Benedict, on sandy slope. , Alt.: 250 m, Coll.: Maas, P.J.M. et al. 8141 *2019
34. 3W *Pitcairnia maidifolia* (C.Morren) Decne.
[IPEN CO-0-U-2016GR00700] Colombia , Lowlands to Medina Rd. near tower , Alt.: 700 m. , Coll.: Peter Tristram 2016 *2019
35. 3W *Pitcairnia orchidifolia* Mez
[IPEN VE-0-U-2012GR00664] Venezuela, Estado Carabobo , along the old road from Valencia to Puerto Cabello , Alt.: 250 m. F. Oliva-Esteve s.n. 1997 *2019
36. 3Z *Pitcairnia orchidifolia* Mez
[IPEN VE-0-U-2016GR00908] Venezuela , Cuyagua district in Aragua Cathcart & Lemieux *2019

Bromeliaceae (cont.)

37. 3W *Pitcairnia paniculata* (Ruiz & Pav.) Ruiz & Pav.
[IPEN PE-0-U-2013GR00118] Peru , rd. Tarapoto to Pongo de Caynarachi (Yurimaguas). S6 27.386 W76 17.254 , Alt.: 976 m,
Coll.: Gouda, E.J. F#108 02/01/2013 *2019
38. 3W *Racinaea rothschuhiana* (Mez) M.A.Spencer & L.B.Sm.
[IPEN CR-0-U-2012GR00292] Costa Rica *2018
39. 3G *Pseudalcantarea viridiflora* (Beer) Pinzón & Barfuss
[IPEN XX-0-U-2004GR01126] *2018

Campanulaceae

40. 2Z *Asyneuma canescens* (Waldst. & Kit.) Griseb. & Schenk
[IPEN GR-0-U-2008BL00486] Greece , Mt. Timfrestos *2019

Cannaceae

41. 3W *Canna indica* L.
[IPEN GY-0-U-1989GR00092] Guyana , Old Farm near Konashen.
Coll.: Jansen-Jacobs, M.J. 1781 *2019
42. 3W *Canna paniculata* Ruiz & Pav.
[IPEN pe0u-1976GR00106] Peru , dept. Huanuco, Puente Durand,herb. 5 m, fls. red/orange; 76-03-22 , Alt.: 1000 m., Coll.: Plowman,T. & Kennedy,H. 5700 *2016

Caprifoliaceae

43. 2Z *Scabiosa argentea* L.
[IPEN ro0u-1999BL00569] Romania ,Cistr. Constanza, Vama Veche (1997). *2017

Caryophyllaceae

44. 2Z *Dianthus arenarius* subsp. *borussicus* Vierh.
[IPEN at0u-1991BL01115] Austria , no other details available!
*2018
45. 2Z *Dianthus subacaulis* subsp. *subacaulis*
[IPEN fr0u-1994BL01124] France , Herault, Felines-Minervois
*2017
46. 2W *Dianthus sylvestris* Wulfen
[IPEN FR-0-U-1993BL00776] France, Pyrenees , Aude, Montagne de Tauch , Coll.: Bellotte, W. *2019
47. 2Z *Minuartia circassica* (Albov) Woron.
[IPEN TR-0-U-2002BL00794] Turkey , Kalkanli Dag. *2019
48. 2Z *Silene multicaulis* Guss.
[IPEN IT-0-U-1978BL00183] Italy , Gram Sasso Abruzzes. 1972
*2019

Cistaceae

49. 2W *Helianthemum nummularium* subsp. *grandiflorum* (Scop.) Schinz & Thell.
[IPEN sk-0-u-2014BL00180] Slovakia , Tatra *2018

Clusiaceae

50. 2Z *Hypericum bithynicum* Boiss.
[IPEN GE-0-BONN-18510] Georgia , Region Guria, surroundings of Bakhmaro , Alt.: 1950 m. , Coll.: A.Gröger 25/08/2000 *2019
51. 2W *Hypericum olympicum* L.
[IPEN GR-0-U-2010BL00863] Greece , Taygetos mts. , Alt.: 1500 m. 2008 *2019

Crassulaceae

52. 2Z *Sedum obtusifolium* C.A.Mey.
[IPEN tr0u-1994BL00045] Turkey, Sugusksu Kizilcaham, coll.:
1989. *2018

Fabaceae

53. 1W *Albizia julibrissin* Durazz.
[IPEN cn-0-u-1998GR01066] China North-Central, Gansu Prov.,
Mt. Maiji, mixed forest, mountainous area, Alt.: 1500 m. *2018
54. 2W *Anthyllis montana* subsp. *montana*
[IPEN FR-0-U-1987BL00366] France , Montagne de Tauch, Aude.
*2019
55. 1W *Dorycnium pentaphyllum* subsp. *pentaphyllum*
[IPEN IT-0-U-2001BL00098] Italy , Südtirol, Bozen SE, Tiers N,
Völsegg, Trockenhang. , Alt.: 1200 m. 06/2000 *2019

Francoaceae

56. 1G *Francoa sonchifolia* Cav.
[IPEN XX-0-U-2004BL00394] *2019

Gesneriaceae

57. 2W *Haberlea rhodopensis* Friv.
[IPEN BG-0-U-1981BL00241] Bulgaria , Rodopen Mts., along
road from Cudnite Metova to Cepelare , Alt.: 1050 m. , Coll.:
Cytotax 24905 13/08/1979 *2019

Gunneraceae

58. 1G *Gunnera prorepens* Hook.f.
[IPEN xx0u-2006BL00950] *2015

Iridaceae

59. 2W *Iris lutescens* Lam.
[IPEN AT-0-U-1964BL00083] Austria *2019
60. 2W *Iris sintenisii* subsp. *sintenisii* Janka
[IPEN BG-0-U-1994BL01102] Bulgaria, E.Sredna Gora Mts. ,
Coll.: Sterz *2019
61. 2Z *Iris sintenisii* subsp. *sintenisii* Janka
[IPEN BG-0-U-1995BL00180] Bulgaria , Eastern Sredna Gora Mts
Coll.: Sterz *2019
62. 2W *Iris sintenisii* subsp. *sintenisii* Janka
[IPEN bg0u-2003BL01006] Bulgaria , Black Sea coast, Perla N of
Primorsko village. , Alt.: 2 m. *2018

Lamiaceae

63. 2Z *Phlomis cashmeriana* Royle ex Benth.
[IPEN IN-0-U-2014BL01367] Kashmir , near Srinagar , Alt.: 1500
m. *2019
64. 2Z *Phlomis fruticosa* L.
[IPEN HR-0-U-2009BL00316] Croatia , N. Dalmatien, N Drage ,
Alt.: 50 -150 m. , Coll.: Peter Gigerl 08/2007 *2019
65. 2W *Scutellaria californica* A.Gray
[IPEN US-0-U-2010BL00078] United States, California, Lake Co.
North Coast Ranges , Alt.: 747 m. *2019
66. 2Z *Sideritis syriaca* L.
[IPEN GR-0-U-2008BL00497] Greece , Mt. Olympos *2019
67. 2W *Stachys pradica* (Zanted.) Greuter & Pignatti
[IPEN CH-0-U-1988BL00339] Switzerland , Switzerland, Valais,
Gd. St. Bernard. , Alt.: 2300 m. *2019
68. 2W *Teucrium chamaedrys* subsp. *nuchense* (K.Koch) Rech.f.
[IPEN GE-0-U-2011BL00912] Georgia , Alt.: 917 m. , Coll.:
P.C.C. Georgian Expedition 2010 13-3 20/08/2010 *2019
69. 2W *Teucrium halacsyanum* Heldr.
[IPEN GR-0-U-2008BL00349] Greece , Attiki: Mt. Imittos *2019

Liliaceae

70. 2G *Allium flavum* subsp. *flavum* L.
[IPEN XX-0-U-2014BL00409] *2019
71. 2W *Erythronium dens-canis* L.
[IPEN FR-0-U-1998BL01374] France, Ain, mnt. du Vuache
(environ au sommet)., Alt.: 1100 m. *2019
72. 1G *Helonias bullata* L.
[IPEN xx0u-1998BL00254] *2018
73. 2Z *Hemerocallis middendorffii* Trautv. & C.A.Mey.
[IPEN RU-0-U-2015BL00261] Russian Federation, Khabarovsk,
Sichote-Alin Mts. Udomi 1987 *2019
74. 2W *Trillium grandiflorum* (Michx.) Salisb.
[IPEN US-0-U-1997BL00184] United States, Michigan , Ingham
County, Mesic Southern Forest, sitename: Bear lake Dunkel
Roadbank South. , Alt.: 250 m. *2019
75. 2U *Trillium grandiflorum* (Michx.) Salisb.
[IPEN XX-0-U-2002BL00679] *2019
76. 2G *Trillium kurabayashii* Freeman
[IPEN XX-0-U-2000BL00131] *2019
77. 2G *Trillium pusillum* Michaux
[IPEN XX-0-U-2002BL00817] *2019
78. 2G *Veratrum album* L.
[IPEN XX-0-U-1965BL00228] *2016
79. 2G *Veratrum nigrum* L.
[IPEN XX-0-U-1965BL00271] *2016

Magnoliaceae

80. 1G *Magnolia wilsonii* (Finet & Gagnep.) Rehder
[IPEN xx0u-2010RD00433] *2016

Malvaceae

81. 1W *Lavatera bryoniifolia* Mill.
[IPEN GR-0-H-2011-1320] Greece, South Crete, road from
Ambelouzos to Plouti, near Plouti 12/2011 18/10/2011 *2019

Myrtaceae

82. 2G *Callistemon rigidus* R.Br.
[IPEN xx0u-2006BL00421] *2018

Nartheciaceae

83. 2W *Narthecium ossifragum* (L.) Huds.
[IPEN NL-0-U-1964BL00700] Netherlands, Prov. Drenthe , near
Eelde 1964 *2016

Oleaceae

84. 1G *Syringa reticulata* (Blume) Hara
[IPEN xx-0-u-2007RD01665] *2018

Onagraceae

85. 3W *Fuchsia paniculata* Lindl.
[IPEN pa0u-1980GR00318] Panama , Chiriquí Mt.wood near
Guadeloupe, 2 km N of Cerro Punta. , Alt.: 1800 m, Coll.: Maas,
P.J.M. et al. 4985 21/10/1980 *2014

Papaveraceae

86. 1W *Glaucium flavum* Crantz
[IPEN ES-0-U-2004BL00010] Spain, Prov. Valencia , Jávea , Coll.:
Gouda, E.J. 03-09 17/07/2003 *2019
87. 2Z *Papaver spicatum* var. *spicatum*
[IPEN TR-0-U-1977BL00058] Turkey , no further details ! *2019

Pinaceae

88. 2W *Abies cephalonica* Loudon
[IPEN xx-0-u-1991RD01803] Balkan , Coll.: Cytotax 24529 *

Plumbaginaceae

89. 2Z *Armeria maritima* subsp. *andina* (Poepp. ex Boiss.) Moore & H.O.Yates
[IPEN AR-0-U-2002/0912] Argentina South, Santa Cruz Lago Argentina, Califate, Peninsula Magellanes *2019

Poaceae

90. 1W *Bouteloua gracilis* (Willd. ex Kunth) Lag. ex Griffiths
[IPEN us0u-2002BL00753] United States, South Dakota *2017

Polemoniaceae

91. 1W *Polemonium pauciflorum* S.Watson
[IPEN us0u-2009BL00514] United States, Arizona , Cochise Co.
Alt.: 2073 m. , Coll.: Alan Bradshaw (Alplains) 70095.17 *2014

Polygonaceae

92. 1G *Eriogonum arborescens* Greene
[IPEN xx-0-u-2016BL00073] *2017
93. 2W *Eriogonum heracleoides* var. *heracleoides* Boiss.
[IPEN US-0-U-2007BL00333] United States, Utah , Wasatch Mts,
Coll.: John Stireman (Sandy UT) *2019
94. 1W *Eriogonum umbellatum* var. *umbellatum*
[IPEN US-0-U-1994BL01273] United States, Colorado , Jefferson
County, South Table Mtn. , Alt.: 1859 m. *2019
95. 2G *Eriogonum umbellatum* var. *subaridum* S.Stokes
[IPEN XX-0-U-1994BL00472] *2019

Ranunculaceae

96. 1K *Trautvetteria carolinensis* (Walter) Vail
[IPEN xx0u-2013ZS00595] *2016

Rosaceae

97. 2W *Acaena inermis* Hook.f.
[IPEN NZ-0-U-1992BL00081] New Zealand. *2019
98. 2Z *Acaena pallida* (T.Kirk) J.W.Dawson
[IPEN NZ-0-TUEB-4674] New Zealand *2019
99. 2W *Geum coccineum* Sibth. & Sm.
[IPEN bg0u-1976BL00116] Bulgaria , Vitoscha Mts. *2017
100. 1K *Prunus maritima* Marshall
[IPEN XX-0-U-2013RD00542] *2019

Saxifragaceae

101. 2W *Heuchera pulchella* Wooton & Standl.
[IPEN US-0-U-2015BL00472] United States, New Mexico,
Bernalillo Co , Alt.: 3170 m. , Coll.: Alan Bradshaw (Alplains)
70924.37 *2019
102. 2W *Saxifraga cherleroides* var. *rebunshirensis* (Engl. & Irmsch.) Hara
[IPEN JP-0-U-1997BL00485] Japan , Hokkaido, Mt. Nishi-
kumaneschiri-dake, Katoh-gun. *2019
103. 1W *Saxifraga cotyledon* L.
[IPEN IT-0-U--2003BL00068] Italy , Champorcher, V. Brenve. ,
Alt.: 1300 m. *2019
104. 2W *Saxifraga hostii* subsp. *hostii*
[IPEN si0u-1994BL00098] Slovenia , Jalovec, ascent from Vrsic-
Pass. , Alt.: 1600 -1750 m. *2018
105. 2Z *Saxifraga rosacea* subsp. *rosacea*
[IPEN DE-0-U-1990BL00298] Germany , Scharfenstein, near
Kassel *2019
106. 2Z *Saxifraga umbrosa* L.
[IPEN es0u-1992BL01333] Spain , Picos de Europa. *2018

Scrophulariaceae

107. 1W *Lophospermum erubescens* D.Don
[IPEN bo0u-2005GR01250] Bolivia, Prov. Santa Cruz , direction of
Samaipata, near Ayacucho , Coll.: Gouda, C.S. s.n. *2016
108. 2W *Penstemon digitalis* Nutt.
[IPEN us0u-1995BL01112] United States, Michigan , Ingham
county, roadbank above seep , Alt.: 259 m. *2017

Taxaceae

109. 1G *Taxus brevifolia* Nutt.
[IPEN XX-0-U-2006RD01789] *2019

Urticaceae

110. 1G *Dendrocnide moroides* (Wedd.) Chew
[IPEN xx-0-u-2016BL01618] *2018

