



Botanischer Garten Erlangen

Index Seminum 2019/2020

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Botanischer Garten der Friedrich-Alexander-Universität Erlangen-Nürnberg



Botanischer Garten der
Friedrich-Alexander-Universität Erlangen-Nürnberg
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The Botanical Garden in Erlangen

In the historical city-center of Erlangen the Botanical Garden of the Friedrich-Alexander University is located north of the adjacent manor house garden. It was established in this place in 1829, although the garden can be traced back to the year 1626, when in closeby Altdorf an academic medical garden of the University of the City of Nuremberg was founded as a 'Hortus Medicus'.

The Botanical Garden in Erlangen with an area of 2 ha ranks among the smallest sites of its kind in Germany. Nevertheless it presents a surprisingly wide variety of plant species, natural biotopes and distinctive garden features. In a confined space a large number of natural environments has been created. By way of their intelligent design and layout they allow the visitor to experience the different garden areas individually. Characteristic for the appearance of the garden is its collection of amazing trees. Next to native oaks, lime and beech trees there are also redwoods, ginkgos and other exotic trees. Two huge mulberry trees bear testimony to experiments of the rearing of silkworms in the 19th century. Noteworthy is the remarkable collection of rare species of the genus *Sorbus* that includes a lot of endemic plants whose only natural occurrence is the Frankenalb. In cooperation with nature conservation authorities the botanical garden is able to support the protection of species by taking part in ex-situ-cultivation. Thereby plant species which are endangered in their natural habitat are cultivated in the botanical garden so that later a resettlement can take place.

In summertime the non-hardy subtropical woody plants are grouped into outdoor plantings with a geographical order. On the eastside of the garden the taxonomy of the angiosperms is easy to comprehend by walking through the systematic section. Nearby the small herbal and spice garden illustrates the culinary side of botany. Substances and similarities in treatment and effect play an important role in the arrangement of the hexagonal plantbeds in the medicinal herb garden. An ecological and morphological array of plants exemplifies the different aspects of floral ecology, seed dispersal and ecological site adaptation. The alpinum accommodates plants whose natural habitats are located in high altitudes in the mountains above the tree line. Closeby one can find a moist area, dry sandvegetation and a small steppe.

The greenhouses encompass about 1700m² and are rich in diversity. They house plants of the tropical lowland and montane rain forests, of mangroves and of arid climates (cactus family and other succulents). Other conservatories contain tropical agricultural crops and epiphytes. The special flora of Macaronesia can be admired in the glasshouse dedicated to the Canary Islands. Visitors especially enjoy the different basins with sealilies, lotos and giant victoria.

In its southwest, the garden holds yet another special feature. In 1907 a replica of a stalactite cave was built by Adalbert Neischl and is therefore named 'Neischl-Cave'. Stalactite caves are characteristic of the nearby calcareous Frankenalb. Due to the convenient location of the botanical garden in the city-center of Erlangen and its closeness to university facilities and hospitals a lot of people frequent the garden. The great popularity of the Botanical Garden is supported by changing exhibitions.

Dr. Walter Weiß

Botanischer Garten der Friedrich-Alexander-Universität Erlangen-Nürnberg



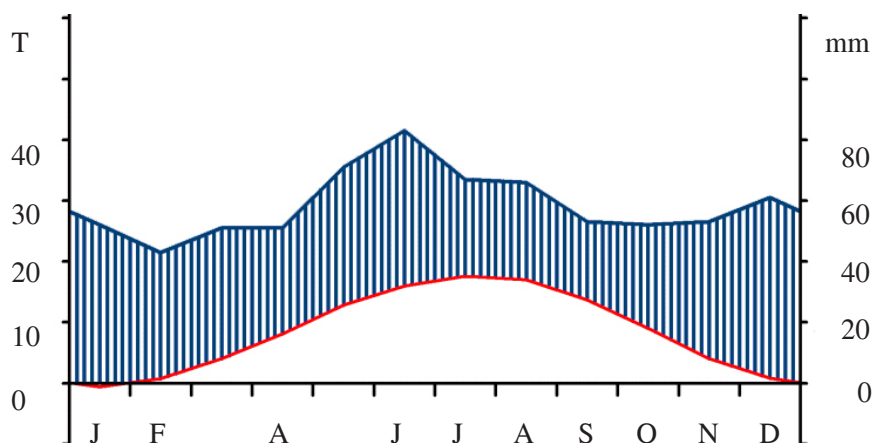
Geographische und klimatische Daten / Geographic and climatic data

Geographische Koordinaten / geographic coordinates: 49° 35,9' N - 11° 0,4' O, 280 m üNN

Mittlere Jahrestemperatur / mean annual temperature: 8,5 °C

Mittlerer Jahresniederschlag / mean annual precipitation: 660 mm

Klimadiagramm Erlangen / climatic diagram Erlangen:



Zeichen / Signs

- * Samen von kultivierten Pflanzen bekannter Wildherkunft
Seeds of cultivated plants from wild origin
- G Samen und Pflanzen aus den Gewächshäusern
Seeds and plants from the greenhouses
- HB Botanischer Garten
Botanical Garden

Samen von Pflanzen aus anderen Botanischen Gärten wurden mit einer Erlanger IPEN-Nummer versehen, wenn der Donor-Garten zum Zeitpunkt des Zugangs in Erlangen noch keine IPEN-Nummer vergeben hatte.

Seeds of plants from other Botanical Gardens were marked with an IPEN number from Erlangen, if the donor-garden at the time of the accession in Erlangen had not assigned an IPEN number.

Nomenklatur / Nomenclature

The plant list, a working list of all plant species:

<http://www.theplantlist.org/index.html>

The Euro+Med PlantBase, the information resource for Euro-Mediterranean plant diversity:

<http://www.emplantbase.org/home.html>

Agreement on the supply of living plant material by the Botanical Garden Erlangen

Against the background of the Convention on Biological Diversity (“CBD”) and the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity, the Botanical Garden Erlangen is dedicated to promoting the conservation, sustainable use, and research of biological diversity. The Botanical Garden Erlangen (the “supplier”) therefore expects its partners in acquiring, maintaining, and transferring plant material to always act in accordance with the CBD, the Nagoya Protocol and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material listed below passes on from the supplier to the recipient upon receipt of the material. In line with the Code of Conduct of the International Plant Exchange Network (IPEN), of which the Botanical Garden Erlangen is a member, the following conditions apply to this material transfer:

1. The recipient may use the supplied plant material, progeny or derivatives only for non-commercial purposes such as scientific study, education and conservation. Should the recipient at a later date intend a commercial use or a transfer to third parties for commercial use, the country of origin’s prior informed consent (PIC) must be obtained in writing before the material is used or transferred.
2. The recipient is responsible for ensuring an equitable sharing of benefits in accordance with the CBD and the Nagoya Protocol.
3. The recipient must keep all information on the received plant material, including its origin (supplier, country of origin, year of collection) and the IPEN number, as well as the terms and conditions in a comprehensible manner.
4. In the event that scientific publications are produced based on the supplied plant material, the recipient is obliged to indicate in those publications the origin of the material (the supplying garden and, if known, the country of origin) as well as the IPEN number. The recipient shall send a copy of these publications to the supplier.
5. On request, the supplier will forward relevant information on this transfer of the plant material to the body charged with implementing the Nagoya Protocol.
6. The recipient may transfer the received plant material, its progeny or derivatives only for non-commercial use to bona fide third parties. Such transfer to third parties must be under the terms and conditions of this agreement, including the obligation to keep, cite and transfer the IPEN number. The recipient must document the transfer in a suitable manner.

List of plant material transferred under this agreement from

Botanischer Garten der
Friedrich-Alexander-Universität Erlangen-Nürnberg
Loschgestr. 1
91054 Erlangen
Deutschland
Telefon: +49-(0)9131-8522969
Fax: +49/ (0)9131-8522746
seedexchange@fau.de

to

Name, Institution, Address:

Your E-Mail-address:

Orders are requested by 30th of March 2020:

I accept the conditions of the Agreement on the supply of living plant material by the Botanical Garden Erlangen on page 6.

Recipient's name, stamp

Date, Signature

Index Seminum 2019/2020

Aizoaceae

- | | | | | |
|---|---|--|------|----------------------|
| 1 | | Bergeranthus vespertinus (Berger) Schwantes
XX-0-ER-2009-3518 | 2008 | G. d. Staudenfreunde |
| 2 | G | Delosperma aberdeenense (L. Bolus) L. Bolus
XX-0-ER-2006-138 | 2000 | HB Rostock |

Amaryllidaceae

- | | | | | |
|---|--|--|------|---------|
| 3 | | Allium ramosum L.
XX-0-ER-2019-21098 | | |
| 4 | | Leucojum autumnale L.
XX-0-ER-2007-1259 | 2001 | HB Lyon |

Apiaceae

- | | | | | |
|---|---|--|------|-------------------------|
| 5 | * | Peucedanum austriacum (Jacq.) Koch
AT-0-ER-2011-12317 | 1993 | *AT, Klagenf. Dobratsch |
| 6 | | Pimpinella saxifraga L.
XX-0-ER-2012-13534 | | |
| 7 | | Seseli caespitosum Sibth. et Sm.
XX-0-ER-2011-12334 | | |

Araceae

- | | | | | |
|---|---|---|--|--|
| 8 | G | Aglaonema commutatum Schott, Treubii'
XX-0-ER-2007-100 | | |
|---|---|---|--|--|

Arecaceae

- 9 G Chamaedorea geonomiformis H. Wendl.
XX-0-ER-2019-21107

Asparagaceae

- 10 G Chlorophytum orchidastrum Lindl.
XX-0-ER-2010-8635

Asteraceae

- 11 * Antennaria dioica (L.) Gaertn.
DE-0-ER-2015-19399 2015 *DE, Bayern, Oberfr., Moggast
- 12 Antennaria plantaginifolia (L.) Richardson
XX-0-ER-2017-19695
- 13 G Argyranthemum hierrense Humphries
XX-0-ER-2012-13652 2008 HB Poznan
- 14 G Athanasia crithmifolia L.
XX-0-ER-2015-18284
- 15 G Brachyglottis greyi (Hook.f.) B. Nord.
XX-0-ER-2015-18328
- 16 Centaurea kotschyana Heuff.
XX-0-ER-2019-78
- 17 Centaurea rupestris L.
XX-0-ER-2017-20437 2015 ÖGG Graz, Landesgr. Steiermark
- 18 Crepis rubra L.
XX-0-NCY-20100046G 2013 HB Nancy
- 19 Crepis sibirica L.
XX-0-ER-2017-20436
- 20 Erigeron flettii G. N. Jones
XX-0-ER-2009-5303

Asteraceae

- | | | | | |
|----|---|---|------|---------------------------------|
| 21 | | Gnaphalium supinum L.
XX-0-ER-2019-21117 | | |
| 22 | G | Haplopappus glutinosus Cass.
XX-0-ER-2017-20465 | | |
| 23 | | Hieracium bornmuelleri Freyn
XX-0-ER-2009-5391 | 1982 | HB Jena |
| 24 | | Hieracium cerinthoides Gouan
XX-0-ER-2009-5392 | | |
| 25 | * | Hieracium hoppeanum Schult. subsp. testimoniale
GR-0-B-2651880 | 1985 | HB Marburg
*GR, W-Thessalien |
| 26 | * | Hieracium humile Jacq.
XX-0-ER-2009-5398 | 1987 | HB Bern |
| 27 | | Hieracium pannosum Boiss.
XX-0-ER-2009-5404 | 1995 | HB Marburg
*HU, Pirin |
| 28 | | Hymenoxys scaposa (DC.) K.L. Parker
XX-0-ER-2009-5580 | | |
| 29 | | Inula britannica L.
XX-0-ER-2009-5420 | | |

Brassicaceae

- | | | | | |
|----|--|--|------|-----------|
| 30 | | Aethionema coridifolium DC.
XX-0-ER-2017-20432 | | |
| 31 | | Alyssoides utriculata (L.) Medik.
XX-0-ER-2017-20426 | | |
| 32 | | Alyssum moellendorffianum Asch. ex Beck
XX-0-ER-2009-5869 | 1980 | HB Gießen |
| 33 | | Alyssum murale Wadst. et Kit.
XX-0-ER-2009-5870 | | |

Brassicaceae

34		<i>Alyssum ovirense</i> A. Kern. XX-0-ER-2015-19639		
35		<i>Alyssum wulfenianum</i> Willd. XX-O-LI-6461	2015	HB Linz
36	*	<i>Arabis alpina</i> L. AT-0-ER-2009-5877	2004	*AT, Ötztal (Rotmoos)
37		<i>Arabis bryoides</i> Boiss. XX-0-ER-2009-5882		
38		<i>Arabis scopoliana</i> Boiss. XX-0-ER-2009-5891		
39		<i>Arabis soyeri</i> Reut. & Huet XX-0-ER-2013-15823		
40	*	<i>Draba aizoides</i> L. DE-0-ER-2015-19418	2010	*D, Bay., Oberbayern, Kipfenberg
41		<i>Erysimum ochroleucum</i> (Haller f. ex Schleich) DC. XX-0-ER-2015-19419		
42		<i>Schivereckia doerfleri</i> (Wettst.) Bornm. XX-0-ER-2009-6009	1980	HB Wuppertal
43		<i>Thlaspi densiflorum</i> Boiss. et Kotschy XX-0-ER-2007-569		
44		<i>Vella pseudocytisus</i> L. XX-0-ER-2008-230	2006	HB Madrid (BSUPM)

Bromeliaceae

45	G	<i>Guzmania butcheri</i> Rauh XX-0-ER-2015-19616	2007	Frankfurt Palmengarten
46	G	<i>Guzmania lingulata</i> Beer var. <i>concolor</i> Proctor & Cedeño-Mald. XX-0-ER-2019-21106		

Bromeliaceae

- | | | | |
|----|----|---|--------------------------------------|
| 47 | G | Pitcairnia andreana Linden
XX-0-ER-2019-1385 | |
| 48 | G | Ronnbergia deleonii L. B. Sm.
XX-0-ER-2013-270 | |
| 49 | G | Tillandsia balbisiana Schult. & Schult.f.
XX-0-ER-2019-21103 | |
| 50 | G | Tillandsia bartramii Ell.
XX-0-ER-2012-4566 | |
| 51 | *G | Tillandsia bryoides Griseb. ex Baker
ARG-0-ER-2019-21104 | 1994 *ARG, Alemania, Quilmes, 1800 m |
| 52 | G | Tillandsia butzii Mez.
XX-0-ER-2012-12654 | |
| 53 | G | Tillandsia capillaris Ruiz et Pav.
XX-0-ER-2007-587 | |
| 54 | G | Tillandsia floridana (L. B. Sm.) H. E. Luther
XX-0-ER-2012-12656 | |
| 55 | G | Tillandsia gardneri Lindl.
XX-0-ER-2019-20931 | |
| 56 | G | Tillandsia juncea (Ruiz & Pav.) Poir.
XX-0-ER-2013-16025 | |
| 57 | G | Tillandsia loliacea Mart. ex Schult. & Schult.f.
XX-0-ER-2019-1380 | |
| 58 | G | Tillandsia paucifolia Baker
XX-0-ER-2015-19619 | |
| 59 | G | Tillandsia pruinosa Sw.
XX-0-ER-2019-21105 | |
| 60 | G | Tillandsia recurvata L.
XX-0-ER-2007-613 | |

Bromeliaceae

- 61 G Tillandsia tricholepis Baker
XX-0-ER-2007-586
- 62 G Vriesea marnier-lapostollei L. B. Sm.
XX-0-ER-2007-615
- 63 G Vriesea simplex (Vell.) Beer
XX-0-ER-2008-276 2008 HB Stuttgart-Wilhelma
- 64 G Vriesea splendens (Brongn.) Lem
XX-0-ER-2019-21108

Calycanthaceae

- 65 Calycanthus chinensis (W.C.Cheng & S.Y.Chang) P.T.Li
XX-0-ER-2019-21097

Campanulaceae

- 66 Campanula alliariifolia Willd.
XX-0-ER-2019-21094
- 67 Campanula versicolor Andrews
XX-0-ER-2019-21093
- 68 Platycodon grandiflorus (Jacq.) A.DC.
XX-0-ER-2019-21109
- 69 Symphyandra hofmannii Pant.
XX-0-ER-2019-698

Cannaceae

- 70 G Canna glauca L. `lachs´
XX-0-ER-2013-16023
- 71 G Canna glauca L. `rot´
XX-0-ER-2013-16022

Cannaceae

- 72 G* *Canna tuerckheimii* Kraenzl.
CR-0-ER-2007-592 1994 *CR, 1600 m

Caryophyllaceae

- 73 *Arenaria bungei* Barkoudah
XX-0-ER-2017-20429
- 74 *Cerastium alpinum* L. var. *lanatum* (Lam.) Asch. et Graebn.
XX-0-ER-2019-1182
- 75 *Cerastium boissieri* Gren.
XX-0-ER-2017-1183
- 76 *Dianthus biflorus* Sibth. et Sm.
XX-0-ER-2007-507
- 77 *Dianthus cruentus* Griseb.
XX-0-ER-2019-103
- 78 *G *Dianthus juniperinus* Sm. subsp. *bauhinorum* Turland HB Berlin-Dahlem
GR-0-B-0010496 *GR, Kreta, Mt. Jouchtas, 810 m
- 79 *Dianthus knappii* (Pant.) Asch. & Kanitz ex Borbás
XX-0-ER-2013-4472
- 80 * *Dianthus pavonius* Tausch HB Grenoble
FR-0-ER-2009-3840 2008 *FR, Fontgillarde, 2000 m
- 81 *Dianthus petraeus* Waldst. & Kit.
XX-0-2019-21116
- 82 *Dianthus plumarius* L. subsp. *praecox* (Willd. ex Spreng.) Domin
XX-0-ER-2017-1196
- 83 * *Dianthus seguieri* Vill. HB Berlin-Dahlem
IT-0-B-0541603 2006 *IT, St. Vincent, 1100 m
- 84 *Dianthus sylvestris* Wulfen
XX-0-ER-2015-17991

Caryophyllaceae

85		<i>Gypsophila sericea</i> (Ser.) Krylov XX-0-ER-2017-20462		
86		<i>Gypsophila tenuifolia</i> M. Bieb. XX-0-ER-2013-672		
87		<i>Minuartia laricifolia</i> (L.) Schinz & Thell. XX-0-ER-2017-943		
88		<i>Saponaria lutea</i> L. XX-0-ER-2009-207		
89		<i>Silene alpestris</i> Jacq. XX-0-ER-2009-6754		
90		<i>Silene atropurpurea</i> (Griseb.) Greuter & Burdet XX-0-ER-2017-19718		
91		<i>Silene roemerii</i> Friv. XX-0-ER-2015-19606		
92		<i>Silene saxifraga</i> L. XX-0-ER-2017-20483		
93		<i>Silene zawadskii</i> Fenzl XX-0-ER-2017-20485	2015	HB Masaryk U. Brno

Cistaceae

94	G	<i>Cistus albidus</i> L. XX-0-ER-2015-18310	2014	MN d'Histoire Naturelle, Paris
95	G*	<i>Cistus creticus</i> L. var. <i>eriocephalus</i> Greuter et Burdet FR-0-ER-2015-18306	2014	MN d'Histoire Naturelle, Paris *FR, Rt de St Florent, 246 m.
96	G	<i>Cistus laurifolius</i> L. XX-0-STGAL-472/1999	2008	HB St. Gallen
97		<i>Cistus salviifolius</i> L. XX-0-ER-2015-18293	2014	MN d'Histoire Naturelle, Paris

Cistaceae

- 98 *Helianthemum apenninum* (L.) Mill.
XX-0-ER-2012-14123
- 99 *Helianthemum lippii* (L.) Dum.Cours.
XX-0-ER-2009-4122
- 100 *Helianthemum nummularium* (L.) Mill.
XX-0-ER-2011-11243
- 101 *Helianthemum oelandicum* (L.) DC. subsp. *alpestris* (Jacq.) Breistr
XX-0-ER-2015-19629

Compositae

- 102 *Rhaponticum scariosum* Lam. subsp. *rhaponticum* (L.) Greuter
XX-0-ER-2019-21110
- 103 *Santolina rosmarinifolia* L.
XX-0-ER-2009-5519
- 104 *Sonchus palmensis* Boulos
XX-0-ER-2012-13597
- 105 *Tanacetum corymbosum* (L.) Sch. Bip.
XX-0-ER-2009-4809
- 106 *Tanacetum haradjanii* (Rech. f.) Grierson
XX-0-ER-2009-5571
- 107 G *Verbesina encelioides* (Cav.) A. Grey
XX-0-ER-2015-19613

Crassulaceae

- 108 * *Chiastophyllum oppositifolium* (Ledeb.) A.Berger HB Bonn
RU-0-BONN-22715 2008 *RU, Sotschi
- 109 *Rhodiola ishidae* Hara 2013 HB Graz (München `92)

Cyperaceae

110 *Carex grayi* Carey
 XX-0-ER-2009-6160

Datisceae

111 *Datisca cannabina* L.
 XX-0-ER-2009-6237

Dipsacaceae

112 G *Pterocephalus dumetorum* Coult.
 XX-0-ER-2009-393

113 *Scabiosa cinerea* Lapeyr. ex Lam. subsp. *cinerea*
 XX-0-ER-2009-6278 1984 HB Nancy

114 *Scabiosa graminifolia* L.
 XX-0-ER-2013-464

115 *Scabiosa silenifolia* Waldst. et Kit.
 XX-0-ER-2009-6290

116 *Scabiosa vestina* Facchini ex W. D.J. Koch
 XX-0-ER-2011-11251

Elaeocarpaceae

117 G *Crinodendron patagua* Molina
 XX-0-ER-2015-18324

Fabaceae

118 *Acacia longifolia* (Andrews) Willd.
 XX-0-ER-2015-18096

119 *Anthyllis barba-jovis* L.
 XX-0-ER-2015-18158

Fabaceae

- | | | | |
|-----|---|--|----------------------------------|
| 120 | | <i>Anthyllis montana</i> L.
XX-0-ER-2010-8221 | |
| 121 | G | <i>Bituminaria bituminosa</i> (L.) C.H.Stirt.
XX-0-ER-2015-18227 | |
| 122 | | <i>Caragana aurantiaca</i> Koehne
XX-0-ER-2019-21099 | |
| 123 | | <i>Cercis siliquastrum</i> L.
XX-0-ER-2010-8307 | |
| 124 | | <i>Chamaespartium sagittale</i> (L.) P.E. Gibbs subsp. <i>sagittale</i>
XX-0-ER-2010-8394 | |
| 125 | | <i>Coronilla coronata</i> L.
XX-0-ER-2017-20440 | |
| 126 | | <i>Coronilla vaginalis</i> Lam.
XX-0-ER-2015-19409 | |
| 127 | | <i>Cytisus austriacus</i> L.
XX-0-ER-2019-21121 | |
| 128 | * | <i>Genista tinctoria</i> L.
XX-0-ER-2010-8404 | 2010 *D, Brandenburg, Bruchmühle |
| 129 | | <i>Glycyrrhiza glabra</i> L.
XX-0-ER-2012-13492 | |
| 130 | | <i>Lathyrus niger</i> (L.) Bernh.
XX-0-ER-2010-8437 | |
| 131 | | <i>Oxytropis campestris</i> (L.) DC.
CH-0-STGAL-21180 | 2013 HB St. Gallen |
| 132 | | <i>Securigera orientalis</i> (Mill.) Lassen
XX-0-ER-2009-6706 | |
| 133 | G | <i>Sophora velutina</i> Lindl.
XX-0-ER-2010-8510 | |

Fabaceae

- | | | | |
|-----|---|------|-----------|
| 134 | <i>Trifolium rubens</i> L.
XX-0-ER-2010-8527 | 2010 | HB Angers |
|-----|---|------|-----------|

Gentianaceae

- | | | | |
|-----|--|--|--|
| 135 | <i>Gentiana acaulis</i> L.
XX-0-ER-2010-7622 | | |
| 136 | <i>Gentiana occidentalis</i> Jakow.
XX-0-ER-2009-6802 | | |

Geraniaceae

- | | | | |
|-----|--|--|--|
| 137 | <i>Erodium foetidum</i> (L.) L'Hér.
XX-0-ER-2019-21119 | | |
| 138 | <i>Pelargonium echinatum</i> Curtis
XX-0-ER-2019-21095 | | |
| 139 | <i>Pelargonium schizopetalum</i> Sweet
XX-0-ER-2019-21118 | | |
| 140 | <i>Pelargonium worcesterae</i> Knuth
XX-0-ER-2019-1359 | | |

Gesneriaceae

- | | | | |
|-----|---|--|--|
| 141 | <i>Ramonda myconi</i> (L.) Rchb.
XX-0-ER-2010-7356 | | |
|-----|---|--|--|

Hypericaceae

- | | | | |
|-----|--|------|------------------------|
| 142 | <i>Hypericum athoum</i> Boiss. et Orph.
XX-0-ER-2010-7031 | 2002 | Frankfurt Palmengarten |
|-----|--|------|------------------------|

Iridaceae

143 *Gladiolus illyricus* W. D. J. Koch
XX-0-ER-2007-521

Lamiaceae

144 *Cedronella canariensis* (L.) Webb & Berthel. `Gomera`
XX-0-ER-2015-18823

145 *Horminum pyrenaicum* L.
XX-0-ER-2010-7878

146 *Hyssopus officinalis* L.
XX-0-ER-2019-21115

147 * *Lavandula lanata* Boiss. 2015 HB Berlin Dahlem
ES-0-B-0013975 *ES, Sierra Nevada, Dolomit

148 *Marrubium vulgare* L.
XX-0-ER-2012-13510

149 *Micromeria fruticosa* (L.) Druce
XX-0-ER-2010-7918

150 *Nepeta parnassica* Heldr. et Sart.
XX-0-ER-2010-7944

151 *Origanum dictamnus* L.
XX-0-ER-2009-4973

152 *Phlomis fruticosa* L.
XX-0-ER-2010-7980

153 *Phlomis russeliana* (Sims) Benth.
XX-0-ER-2012-13533

154 *Phlomis samia* L.
XX-0-ER-2010-7984

155 *Prunella grandiflora* Scholler subsp. *pyrenaica* A.Bolòs et O.Bolòs
XX-0-ER-2008-758

Lamiaceae

- | | | | |
|-----|---|------|----------|
| 156 | Salvia cadmica Boiss.
XX-0-ER-2010-8010 | 2002 | HB Linz |
| 157 | Salvia clevelandii (A.Gray) Green
XX-0-ER-2013-15871 | | |
| 158 | Salvia nutans L.
XX-0-ER-2010-8039 | | |
| 159 | Scutellaria alpina L. subsp. alpina I. B. K. Richards
XX-0-ER-2015-382 | | |
| 160 | Scutellaria baicalensis Georgi
XX-0-ER-2010-8071 | | |
| 161 | Scutellaria orientalis L.
XX-0-2010-8074 | | |
| 162 | Scutellaria rubicunda Hornem.
XX-0-ER-2017-18006 | | |
| 163 | Sideritis endressii Willk. subsp. endressii
XX-0-ER-2010-8087 | | |
| 164 | Sideritis hyssopifolia L.
XX-0-ER-2012-13571 | 2000 | HB Paris |
| 165 | Stachys pumila Banks & Sol.
XX-0-ER-2015-17972 | | |
| 166 | Teucrium marum L.
XX-0-ER-2010-8118 | | |
| 167 | Thymus sibthorpii Benth.
XX-0-ER-2010-8152 | 2003 | HB Jena |

Linaceae

- | | | | |
|-----|--|--|--|
| 168 | Linum dolomiticum Borbás
XX-0-ER-2007-532 | | |
|-----|--|--|--|

Lythraceae

169 Heimia salicifolia (Kunth) Link
XX-0-ER-2010-8980

Malvaceae

170 Althaea officinalis L.
XX-0-ER-2007-465

171 G* Entelea arborescens R.Br. 1996 *NZ, Nordinsel
NZ-0-ER-2015-18217

Marantaceae

172 G Thalia dealbata Fraser
XX-0-ER-2009-280

Melastomataceae

173 G Monolena primuliflora Hook. f.
XX-0-ER-2010-9123

Mimosaceae

174 G Paraserianthes lophantha (Willd.) I.C.Nielsen
XX-0-ER-2015-18316

Morinaceae

175 Morina kokanica Regel. 2008 HB Krefeld
XX-0-ER-2009-4447

Musaceae

176 G Musa velutina H. Wendl. et Drude 2008 Frankfurt Palmengarten
XX-0-FRP-17743

Myrtaceae

- 177 G Ugni molinae Turcz.
XX-0-GENT-20000659 2007 HB Gent

Papaveraceae

- 178 Glaucium corniculatum (L.) Curtis
XX-0-ER-2010-9746

Plantaginaceae

- 179 Digitalis lutea L. subsp. australis (Ten.) Arcang.
XX-0-ER-2017-664
- 180 Erinus alpinus L.
XX-0-ER-2011-11859
- 181 Globularia cordifolia L.
XX-0-ER-2010-7248
- 182 Globularia repens Lam.
XX-0-ER-2010-7252
- 183 * Plantago subulata L.
ES-0-ER-2009-3251 *ES, Cadqués, Küstenfelsen

Plumbaginaceae

- 184 Acantholimon ulcinium (Willd. ex Schult.) Boiss.
XX-0-ER-2017-20431
- 185 Armeria alpina (DC.) Willd.
XX-0-ER-2013-15826

Poaceae

- 186 Bothriochloa ischaemum (L.) Keng
XX-0-ER-2017-20450

Poaceae

- | | | | | |
|-----|---|--|------|--|
| 187 | | <i>Festuca gautieri</i> (Hack.) K. Richt.
XX-0-ER-2010-7377 | | |
| 188 | | <i>Festuca scariosa</i> (Lag.) Pau
XX-0-ER-2013-15847 | | |
| 189 | * | <i>Festuca valesiaca</i> Schleich. ex Gaudin
CH-0-ER-2010-7403 | 2010 | *CH, Zermatt |
| 190 | * | <i>Koeleria vallesiana</i> (Honck.) Gaudin
FR-0-ER-2010-7636 15 | 2015 | BGA Laurantet, Grenoble
*FR, Ville-Vieille, 1300m |
| 191 | G | <i>Oryza sativa</i> L.
XX-0-ER-2013-424 | | |
| 192 | | <i>Phleum alpinum</i> L.
XX-0-ER-2010-7446 | 1993 | HB Piemont |
| 193 | | <i>Sesleria albicans</i> Kit. ex Schult.
XX-0-ER-2017-14153 | | |
| 194 | | <i>Sesleria caerulea</i> (L.) Ard.
XX-0-ER-2017-20484 | | |
| 195 | | <i>Stipa capillata</i> L.
XX-0-ER-2010-7498 | | |
| 196 | | <i>Stipa joannis</i> Celak.
XX-0-ER-2010-7501 | | |

Polygonaceae

- | | | | | |
|-----|---|--|------|-----------------------|
| 197 | * | <i>Rumex lunaria</i> L.
ES-0-ER-2009-4991 | 2006 | *ES, Canar. Tennerife |
|-----|---|--|------|-----------------------|

Primulaceae

- | | | | | |
|-----|----|--|------|----------------------|
| 198 | *G | <i>Heberdenia excelsa</i> Banks ex Schult.
ES-0-ER-2012-13871 | 1996 | *ES, Teneriffa, Teno |
|-----|----|--|------|----------------------|

Primulaceae

199 *Primula palinuri* Petagna
 XX-0-ER-2010-10250

Proteaceae

200 G *Banksia marginata* Cav.
 XX-0-ER-2015-18098

Ranunculaceae

201	*	<i>Anemone halleri</i> All. IT-0-ER-2010-7653	2009	HB Graz- ÖGG, Steiermark *IT, Aosta, Cogne, 1200m
202		<i>Aquilegia canadensis</i> L. XX-0-ER-2017-19696		
203		<i>Aquilegia ecalcarata</i> Maxim. XX-0-ER-2013-15874		
204		<i>Aquilegia einseleana</i> F. W. Schultz XX-0-ER-2017-20423		
205	*	<i>Aquilegia nevadensis</i> (Boiss. & Reut.) T. E. Diaz ES-0-ER-2017-20427	2001	BG Wuppertal *ES, Cordoba, S. Tejada, Malaga
206		<i>Clematis integrifolia</i> L. XX-0-ER-2008-3722	2007	G. d. Staudenfreunde
207		<i>Ranunculus caucasicus</i> M. Bieb. XX-0-ER-2010-10448		
208		<i>Ranunculus gramineus</i> L. XX-0-ER-2010-10452		
209		<i>Ranunculus japonicus</i> Thunb. var. <i>propinquus</i> W.T. Wang XX-0-ER-2010-10469		
210		<i>Thalictrum foetidum</i> L. XX-0-ER-2010-10485		

Rosaceae

211		<i>Acaena microphylla</i> Hook. f. XX-0-ER-2018-20564	2013	HB Christchurch
212	*	<i>Acaena saccaticupula</i> Bitter NZ-0-BONN-18235	2013	BG Bonn *NZ, Südi., Queenst., Lake Alta, 1760 m
213		<i>Aruncus dioicus</i> (Walter) Fernald var. <i>dioicus</i> XX-0-ER-2010-10573		
214	*	<i>Dryas octopetala</i> L. IT-0-ER-2009-6710		*IT, Friaul, Ampezzo, Passo d. Pura
215		<i>Geum canadense</i> Jacq. XX-0-ER-2010-10655	1990	HB Göttingen
216		<i>Geum tirolense</i> Kern. XX-0-ER-2010-10662		
217		<i>Petrophytum caespitosum</i> (Nutt. ex Torr. et A. Gray) Rydb. XX-0-ER-2010-10698		
218		<i>Potentilla brauneana</i> Hoppe ex Nestl. XX-0-ER-2010-7136		
219		<i>Potentilla carniolica</i> Kern. XX-0-ER-2010-10716	1986	HB München
220		<i>Potentilla montenegrina</i> Pantoc. XX-0-ER-2010-10736		
221		<i>Potentilla speciosa</i> Willd. XX-0-ER-2010-10751	2007	HB Graz- ÖGG Steiermark
222		<i>Quillaja saponaria</i> Molina XX-0-ER-2015-18791		
223		<i>Rosa jundzillii</i> Besser XX-0-ER-2010-10938		
224		<i>Sanguisorba dodecandra</i> Moretti XX-0-ER-2011-11087	1986	HB München

Rosaceae

225		<i>Sibiraea laevigata</i> (L.) Maxim. XX-0-ER-2011-11094	2000	HB Ljubliana
226	*	<i>Sorbus adeana</i> N. Mey. DE-0-ER-2010-7153	1994	*D, Bay., Neudorf/Weismain
227	*	<i>Sorbus cordigastensis</i> N. Mey. DE-0-ER-2018-20764		*D, Bay., Ofr, Kordigast-Plateau
228		<i>Sorbus danubialis</i> (Jáv.) Kárpáti XX-0-ER-11108	1985	HB Regensburg
229	*	<i>Sorbus fischeri</i> N. Mey. DE-0-ER-2012-14182		*D, Bay., Ufr, Nördlinger Ries
230	*	<i>Sorbus franconica</i> Bornm. ex Dull DE-0-ER-2010-7154	1992	*D, Bay., Etzdorf/ Gößweinstein
231	*	<i>Sorbus gauckleri</i> N. Mey. DE-0-ER-2019-21120		*D, Bay., Houbirg /Hersbruck
232	*	<i>Sorbus harziana</i> N. Mey. DE-0-ER-2014-16706		*D, Bay., Bärenthal/Weismain
233	*	<i>Sorbus hohenesteri</i> N. Mey. DE-0-ER-2010-7155	1994	*D, Bay., Leutenbach/Forchheim
234	*	<i>Sorbus hoppeana</i> N. Mey. DE-0-ER-2010-7156	1994	*D, Bay., Grainsberg, s. Kallmünz
235		<i>Sorbus minima</i> (H. Lév.) Hedl. XX-0-ER-2011-11114	1974	HB Wageningen
236	*	<i>Sorbus pannonica</i> Kárpáti DE-0-ER-2010-7159	1992	*D, Leutenbach, Forchheim
237	*	<i>Sorbus pulchra</i> N. Mey. DE-0-ER-2010-7157	1992	*D, Bay., Etzdorf/Gössweinstein
238	*	<i>Sorbus ratisbonensis</i> N. Mey. DE-0-ER-2011-11120		*D, Bayern, Nittendorf/Regensburg

Rosaceae

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|-----|---|--|------|---|
| 239 | * | <i>Sorbus schnizleiniana</i> N. Mey.
DE-0-ER-2011-11122 | 2011 | *D, Bayern, Neukirchen/Sulzbach-Rosenberg |
| 240 | * | <i>Sorbus schuwerkiorum</i> N. Mey.
DE-0-ER-2010-7160 | 2010 | *D, Bay., Greding |
| 241 | * | <i>Sorbus schwarziana</i> N. Mey.
DE-0-ER-2018-20767 | 2016 | *D, Bay., Frankenalb, Frechetsfeld |

Rutaceae

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|-----|---|---|--|--|
| 242 | | <i>Cneorum tricoccon</i> L.
XX-0-ER-2015-18246 | | |
| 243 | G | <i>Murraya paniculata</i> (L.) Jack
XX-0-ER-2011-11445 | | |

Saxifragaceae

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|-----|--|--|--|--|
| 244 | | <i>Saxifraga callosa</i> Sm. subsp. <i>callosa</i>
XX-0-ER-2015-614 | | |
| 245 | | <i>Saxifraga crustata</i> Vest
XX-0-ER-2011-11700 | | |

Scrophulariaceae

- | | | | | |
|-----|--|--|------|--------------|
| 246 | | <i>Verbascum densiflorum</i> Bertol.
XX-0-ER-2007-575 | | |
| 247 | | <i>Verbascum phoeniceum</i> L.
XX-0-ER-2008-235 | | |
| 248 | | <i>Veronica gentianoides</i> Vahl
XX-0-ER-2015-19612 | 2014 | BG, Freiburg |

Taxodiaceae

- 249 *Taxodium distichum* (L.) Rich. var. *imbriatum* (Nutt.) Croom
XX-0-ER-2011-12141 1985 HB Zwijndrecht

Thymelaeaceae

- 250 *Dais cotinifolia* L.
XX-0-ER-2015-17920

Verbenaceae

- 251 *Lippia dulcis* Trevis.
XX-0-ER-2011-12411

Violaceae

- 252 *Melicytus obovatus* (Kirk) Garn.-Jones
XX-0-ER-2015-18062 2002 HB Caen
- 253 *Viola dubyana* Burnat ex Gremli
XX-0-ER-2006-60 2004 HB Graz

Xanthorrhoeaceae

- 254 *Asphodeline liburnica* (Scop.) Rchb.
XX-0-ER-2010-8615

Zingiberaceae

- 255 G *Hedychium spicatum* Sm.
XX-0-ER-2009-4121



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