

# International Rock Gardener Index

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Full Index to Issues 1 -119 pages 3-82 Compiled by Glassford Sprunt

Brief Index from 120 to 131 pages 83-84

Full Index from 132 onwards page 85 onwards – Compiled by Ashley Allshire

**SCOTTISH ROCK GARDEN CLUB**

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**Grateful thanks are given to our Index makers.**

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## **SYMBOLS**

01/ = Issue Number

/12 = Adobe Reader Page number

/12C = Colour picture

/12D = Drawing

/3P = Painting

; = Divider between Issues

, = Divider between Pages

— = Substitute for name above

/13\* = Diagnoses and descriptions

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Cover image – *Dryas octopetala* in Canada – photo Lori Skulski

# INTERNATIONAL ROCK GARDEN INDEX to 119

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Aberdeen Spring : **53/1C**

**Abies** cilicica : **20/5**

— grandis : **69/25**

— nebrodensis : **84/17**

— sibirica : **97/3**

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— millefolium : **02/3; 75/10**

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— aureum : **110/73C**

— percarneum : **110/74, 74C**

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oppositifolia

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- — corm : **92/24C**
- — print : **92/20C**
- scardicus : **09/12, 13C; 16/17, 17C**
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- — corms : **44/15C**
- — flavus : **44/17, 17C, 18, 18C;**  
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- schneideri : **61/24; 64/27**
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- — corms : **90/25C**
- — — basal rings : **95/22C**
- — details : **90/25C**
- — diagnosis : **90/26**
- — habitat : **90/21, 22C**
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- — subsp. sublimis : **114/81C**
- simavensis : **40/3, 10; 64/27C**
- — basal rings : **64/27C**
- sozenii : **64/2, 28\*, 28C**
- — corm tunics : **64/27C**
- — herbarium : **64/29C**
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- — 'Cloudy Sky' : **09/21, 21C**
- — 'Goris' : **09/21, 21C**
- — subsp. ibrahimii : **40/2C**
- — subsp. ilgazensis : **52/28**
- — 'Late Love' : **09/21**
- — 'Lithuanian Autumn' : **09/21, 22C**
- — 'Oxonian' : **09/20C**
- — 'Pambak' : **09/21, 21C**
- — subsp. archibaldii : **09/23, 23C**
- — subsp. ilgazensis : **09/22, 22C**
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- — subsp. xantholaimos : **09/22,**  
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atticum

**Merendera** montana>>>Colchicum  
montanum

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Cover photo: *Crocus harpkeae* in habitat JJVV-022, photo Jānis Rukšāns.

*CROCUS HARPKEAE* Rukšāns – A NEW CROCUS SPECIES (*Liliiflorae*, *Iridaceae*) separated from the large complex of the so-called *Crocus chrysanthus* group.

Janis Rukšāns, Dr. biol. h.c. **125/3-14**

Be sure to call it a type of botanical deed poll, not a dead pool. Recent new changes of nomenclature for five South American *Hippeastreae*. John and Anita (Ana Rosa Flores) **Watson 125/15-19**

Prelude. The first of two renamed species from the north of Chile, this one a *Cistanthe* (*Montiaceae*). John Watson

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## SYMBOLS

**01/** = Issue Number

**/12** = Adobe Reader Page number

**/12C** = Colour picture

**/12D** = Drawing

**/3P** = Painting

**;** = Divider between Issues

**,** = Divider between Pages

**—** = Substitute for name above

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 Xinjiang : **141/24**  
 — Ak-Kum desert : **141/45C**  
 — Kashgar : **135/54**  
 Yunnan : **161/28, /54**  
 — Baima Shan : **135/44, /45**  
 — Da Xue Shan : **135/49**  
 — Gaoligong Mountains : **161/54**  
 — Shangri-La (Zhongdian) : **135/42**  
 — Yalong Mountains : **139/20**  
**Chionocharis hookeri** : **135/44, /45**  
**Chionodoxa** (Scilla) : **160/4, /11**  
**Chlidanthus fragrans** : **137/11, /12C**  
**Chloraea alpina** : **144/22, /36C**  
 — — F&W11095 : **156/20C**  
 — magellanica : **144/22, /36C; 145/13, /14C**  
 — virescens (syn. *C. piquichen*) : **156/6C**  
 — viridiflora : **144/22, /37C**  
**Chlorogalum pomeridianum** var. *pomeridianum* : **170/27**  
**Chorispora bungeana** : **179/17**  
**Chrysomyxa deformans** (rust fungus) : **179/9C**  
**Chrysosplenium oppositifolium** : **170/42C**  
**Chuquiraga oppositifolia** : **173/22C, /28**  
**Cicerbita azurea** : **179/11**  
**Cichorium intybus** : **137/22C**  
**Circaetus gallicus** (Short-toed Snake Eagle) : **179/21**  
**Cirsium occidentale** subsp. *candidissimum* : **142/86C**  
 — vulgare : **137/23C**  
 Ciscaucasia (North Caucasus) : **147/19**  
**Cistanthe** (Montiaceae) : **132/3**  
 — systematic relationships : **132/39**  
 — taxonomy : **132/38**  
 — arenaria : **132/24, /27, /39, /44C**  
 — celedoniana : **132/3-50, /15C, /16C, /24\*, /28C, /29C; 138/19**  
 — — flower : **132/30C, /31C, /32C, /33C, /48C**  
 — — — pressed : **132/25C**  
 — — habitat : **132/17C, /18C**  
 — — leaf/lamina : **132/30C**  
 — — seed morphology : **132/26, /33C, /34C, /35C, /37C**  
 — — seed vectoring : **132/34**  
 — — type specimens : **132/23C**  
 — crassifolia : **132/24, /27, /36C, /37C, /39**  
 — floresiorum : **132/38, /39, /43C**  
 — frigida : **132/39; 173/8C**  
 — gibbosifolia : **132/4**  
 — grandiflora : **132/14, /16C, /24, /26, /39, /40, /42C**  
 — — seed morphology : **132/36C, /37C**  
 — humilis : **132/39, /44C**  
 — longiscapa : **132/38**  
 — philhershkovitziana : **132/38**  
 — picta : **132/39, /43C**  
 — ranunculina : **132/39**  
 — sitiens (basionym *Calandrinia sitiens*) : **132/45\***  
 — subsp. *subspeciosa* : **132/38**  
**Cistus laurifolius** : **162/31**  
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**Cladosporidium orchidis** (orchid 'black death' Pathogen) : **156/58**  
**Clarkia gracilis** subsp. *traceyi* : **162/2C**  
 — seedlings : **162/62C**  
**Claytonia parviflora** subsp. *grandiflora* : **174/28C**  
**Clematis** cultivar : **137/10C**  
 — 'Nelly Moser' : **137/10C**  
 — flammula : **137/10**  
 — sibirica : **179/11C**  
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- DNA measurement : **168/5, /6**
- Cobra insecticide : **165/15**
- Codonopsis** clematidea : **135/54; 169/6, /7C**
- Coeloglossum** viride : **171/26C**
- — red form : **171/32C**
- Colchicaceae : **136/2, /3, /7; 147/17**
- phylogenetics : **147/18**
- colchicine : **136/3**
- Colchicum** : **147/17**
- allopolyploidy : **136/7**
- Central Asia/Western Himalaya clade : **136/7**
- corm tunics : **136/4, /6**
- corms : **136/3, /6**
- cultivated species : **136/3-84**
- cultivation : **136/7, /8**
- distribution : **136/3, 8-10**
- flowering period : **136/7**
- fragrance : **136/4**
- hybrids : **135/12P**
- — 'Altmarkstern' : **135/18, /19C**
- — 'Conquest' : **135/11P, /13**
- — 'Danton' : **135/13**
- — 'Dombai' (C. speciosum cv.) : **135/19**
- — 'Felbrigg Violet' : **135/14**
- — 'Ferndown Beauty' : **135/18**
- — 'Glorie van Holland' : **135/18**
- — 'Guizot' : **135/18**
- — 'Hidegkut' : **135/18**
- — 'James Pringle' : **135/18**
- — 'Klondike' : **135/18**
- — 'Lilac Wonder' : **135/11P, /14**
- — 'Naeisanum' : **135/18**
- — 'Petrovac' : **135/18**
- — 'President Coolidge' : **135/18**
- — 'Pride of Holland' : **135/14**
- — 'Purity' : **135/18**
- — 'Rosy Dawn' : **133/41C**
- — 'Ruby Queen' : **135/18**
- — 'Surprise' : **135/18**
- — 'Violet Queen' (C. speciosum × bivonae) : **135/11-19, /11P**
- — 'W. Kerbert' : **135/18**
- — 'Waterlily' : **135/11P, /12, /14**
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- ovary underground : **136/4**
- perianth colour : **136/4**
- perianth segments : **136/3**
- phylogenetics : **147/18**
- pollinators : **136/4**
- scout-flower : **136/4**
- seed : **136/5**
- — capsule : **136/4**
- — dormancy : **136/5**
- — hilum : **136/5**
- — sowing : **136/5**
- speciation & biodiversity centres : **136/7**
- toxicity (colchicine) : **136/3**
- × agrippinum : **135/18C**
- alberti : **136/7**
- — (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/71C**
- — corms (Tajikistan, Darwaz, Tovil-Dara) : **136/72C**
- — A. Seisums selections (Tajikistan, Darwaz, Tovil-Dara) : **136/72C**
- — 'Janis Ruksans' : **136/72C**
- — (cf. C. luteum × C. kesselringii) distribution : **136/10**
- alpinum, distribution : **136/9**
- antepense (Turkey, Adıyaman) : **136/46C**
- — (Turkey, Gaziantep) : **136/46C**
- — corms (Turkey, Gaziantep) : **136/46C**
- — distribution : **136/9**
- arenarium (C. fominii) (Moldova, Budzhak) : **136/32C**
- — corms (Moldova, Budzhak) : **136/32C**
- — (incl. C. fominii) distribution : **136/9**
- asteranthum (Greece, Peloponnesus, Arkadia) : **136/33C**
- — corms (Greece, Peloponnesus, Arkadia) : **136/33C**
- — distribution : **136/9**
- atticum : **144/81**
- — (Turkey, Denizli) : **136/47C**
- — corms (Turkey, Denizli) : **136/47C**
- — distribution : **136/9**
- — stolon-like cormels : **136/7**
- autumnale, corm tunic : **136/6**
- — daughter corms : **136/7**
- — distribution : **136/9**
- balansae (Turkey, Van) : **136/48C**
- — distribution : **136/9**
- bivonae, distribution : **136/9**
- — (Greece, Samos, Mount Ampelos) : **136/34C**
- — corm : **136/6**
- — distribution : **136/9**
- — vs **Sternbergia clusiana** : **136/34C**

**Colchicum bornmuelleri** : **135/11P; 147/17**

- — as syn. of *C. speciosum* or cv group : **147/19**
- bulbocodium subsp. bulbocodium (France, Alpes Maritimes) : **136/35C**
- — — corm : **136/6**
- — — corms (France, Alpes Maritimes) : **136/35C**
- — — daughter corms : **136/7**
- — — distribution : **136/9**
- — subsp. versicolor var. versicolor (Moldova, Transnistria) : **136/35C, /36C**
- — — — (Ukraine, Odessa) : **136/35C**
- — — — corms (Moldova, Transnistria) : **136/36C**
- — — — distribution : **136/9**
- burtii (Turkey, Eskişehir) : **136/49C, /50C**
- — (Turkey, Isparta) : **136/49C**
- — corms (Turkey, Eskişehir) : **136/51C**
- — distribution : **136/9**
- candidissimum (Azerbaijan, Lerik) : **136/12C**
- — (= *Merendera candidissima*) : **136/8\***
- — corm tunic : **136/6**
- — corms (Azerbaijan, Lerik) : **136/12C**
- — distribution : **136/8**
- chimonanthum (Greece, Thessaloniki) : **136/36C**
- — corms : **136/36C**
- — distribution : **136/9**
- corsicum, distribution : **136/9**
- crocifolium (Iran, Kermanshah) : **136/52C**
- — (Turkey, Gaziantep) : **136/52C**
- — (Turkey, Siirt) : **136/51C**
- — corms (Iran, Kermanshah) : **136/51C**
- — distribution : **136/9**
- davisii (Turkey, Adana) : **136/53C**
- — corm : **136/6**
- — distribution : **136/9**
- decaisnei, corm : **136/6**
- — distribution : **136/9**
- doerfleri (North Macedonia, Kumanovo) : **136/37C**
- — (North Macedonia, Skopje) : **136/37C**
- — corm tunic : **136/6**
- — corms (North Macedonia, Skopje) : **136/37C**
- — distribution : **136/9**
- eichleri (Azerbaijan, Gobustan) : **136/11C**
- — (Azerbaijan, Ismaili) : **136/11C**

- — corms (Azerbaijan, Gobustan) : **136/11C**
- — distribution : **136/8**
- figlalii (Turkey, Muğla) : **136/53C, /54C**
- — corms (Turkey, Muğla) : **136/54C**
- — distribution : **136/9**
- freynii (Iran, Ardabil) : **136/13C**
- — (Iran, Jolfa) : **136/13C**
- — (*C. zangezorum*) (Armenia, Meghri) : **136/13C**
- — corm : **136/6**
- — corm tunic : **136/6**
- — corms (Iran, Ardabil) : **136/1C, /13C**
- — stolon-like cormels : **136/7**
- — (incl. *C. zangezorum*) distribution : **136/8, /9**
- giganteum hort. : **135/12**
- — as syn. of *C. speciosum* or cv group : **147/20**
- greuteri (Armenia, Aragatsotn) : **136/14C**
- — corm tunic : **136/6**
- — corms (Armenia, Aragatsotn) : **136/14C**
- — distribution : **136/8**
- hirsutum (Turkey, Sivas) : **136/55C**
- — (Turkey, Tunceli) : **136/54C**
- — corm tunic : **136/6**
- — corms (Turkey, Sivas) : **136/55C**
- hirsutum, distribution : **136/9**
- hyrcanicum (syn. *C. speciosum* var. *lenkoranicum*) : **147/19**
- hungaricum, corm : **136/6**
- — — (Croatia, Dalmatia) : **136/38C**
- — daughter corms : **136/7**
- — distribution : **136/9**
- — 'Velebit Star' (Croatia, Velebit) : **136/38C**
- jolantae : **136/7, /8**
- — (= *Merendera jolantae*) : **136/8\***
- — (Iran, North Khorasan, Kopet Dag) : **136/73C**
- — (Turkmenistan, Balkan, Kopet Dag) : **136/73C**
- — corm : **136/6**
- — corms (Turkmenistan, Balkan, Kopet Dag) : **136/73C**
- — distribution : **136/10**
- kackarensen : **147/2, /17-41, /22\***
- — conservation status : **147/28**
- — corms : **147/22C**
- — distribution : **147/27C**
- — etymology : **147/28**
- — gynoeceum & androeceum (Georgia, Racha-Lechkhumi & Kvemo Svaneti)

- region) BARAKA-062 : **147/25C**
- — — BARAKA-063 as *C. speciosum* : **147/29C**
  - — — LST-313 (Turkey, Artvin, Kaçkar Mts.) : **147/24C**
    - — habitat : **147/28**
    - — holotype sheet (GB!) : **147/23**
    - — key : **147/38-39**
    - — LST-292 (Turkey, Artvin, Kaçkar Mts.) : **147/2C, /23C, /38**
    - — LST-313 (Turkey, Artvin, Kaçkar Mts.) : **147/21C, /27, /38**
    - — phenology : **147/28**
    - — recognition : **147/27, /38**
- Colchicum kesselringii** : **135/33C, /35, /36; 136/7; 182/3**
- — (Kyrgyzstan, Alay Valley) : **136/75C**
  - — corm tunic : **136/6**
  - — corms (Kyrgyzstan, Alay Valley) : **136/76C**
    - — distribution : **136/10**
  - — infraspecific hyb. 'My Choice' : **136/7, /74C**
    - — — 'Purple Star' : **136/7, /74C**
  - — aff. (= *C. luteum* f. *alba*) 'Snow of Highland' : **136/7**
  - — — 'Yeti' : **136/7**
  - — f. *albiflora* (Uzbekistan, Alay Mountains, Fergana) : **136/76C**
    - — — distribution : **136/10**
  - — kotschy : **150/14**
  - — (Iran, Zanjan) : **136/56C**
  - — distribution : **136/9**
  - — kurdicum : **135/28C**
  - — (Iran, Golestan) : **136/56C**
  - — (Turkey, Van, Karabet Pass) : **136/57C**
  - — corm : **136/6**
  - — corms (Turkey, Van, Karabet Pass) : **136/57C**
    - — distribution : **136/9**
  - — laetum (Russia, Eastern Stavropol) : **136/15C**
    - — corm tunic : **136/6**
  - — corms (Russia, Eastern Stavropol) : **136/14C**
    - — distribution : **136/8**
    - — seeds : **136/4C, /6C**
  - — lagotum (Turkey, Erzurum) : **136/58C**
  - — corms (Turkey, Erzurum) : **136/57C**
  - — distribution : **136/9**
  - — leptanthum (Turkey, Erzurum) : **136/58C**
  - — (Turkey, Tunceli) : **136/58C**
  - — corm tunic : **136/6**
  - — corms (Turkey, Erzurum) : **136/58C**
  - — distribution : **136/9**
  - — lenkoranicum (syn. *C. speciosum* var. *lenkoranicum*) : **147/19**
  - — liparochiadys (as syn. of *C. woronowii*, *C. speciosum*) : **147/19**
  - — liparochlamis (as syn. of *C. woronowii*, *C. speciosum*) : **147/19**
  - — luteum : **135/36; 136/7; 140/12, /23; 181/32**
    - — (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/76C, /77C**
  - — corms (Tajikistan, Vakhsh) : **136/80C**
  - — distribution : **136/10**
  - — seed hilum : **136/5**
  - — infraspecific hyb. 'Carrot Line' : **136/7, /78C**
    - — — 'Golden Baby' : **136/7**
    - — — 'Golden Elf' : **136/7**
    - — — 'Lucky Selfmade' : **136/7, /78C, /79C**
    - — — 'Minion' : **136/7**
    - — — 'Selena' : **136/7**
    - — — 'Vahsh' : **136/7, /77C, /78C**
    - — — corms (Kyrgyzstan, Chuy, Ala-Bel Pass) : **136/80C**
    - — f. *alba* : **136/7**
      - — — distribution : **136/10**
    - — — 'Snow of Highland' : **136/80C**
    - — — corms : **136/81C**
    - — — 'Yeti' : **136/79C**
  - — macrophyllum (Greece, Rhodes) : **136/39C**
    - — corm : **136/6**
    - — corm tunic : **136/6**
    - — distribution : **136/9**
  - — manissadjianii (Turkey, Amasya) : **136/59C**
    - — corm : **136/6**
    - — corms (Turkey, Amasya) : **136/59C**
    - — distribution : **136/9**
  - — stolon-like cormels : **136/7**
  - — micaceum (Turkey, Denizli) : **136/60C**
    - — distribution : **136/9**
  - — minutum (Turkey, Antalya) : **136/61C**
    - — corm : **136/6**
    - — corms (Turkey, Antalya) : **136/61C**
    - — distribution : **136/9**
  - — mirzoevae (Armenia, Tavush) : **136/16C**
  - — corms (Armenia, Tavush) : **136/17C**
  - — distribution : **136/9**
  - — montanum (Spain, Maestrazgo) :

**136/40C****Colchicum montanum**, corms (Spain) :**136/40C**

- — distribution : **136/9**
- munzurens (Turkey, Tunceli) : **136/62C**
- — corm : **136/6**
- — corms (Turkey, Tunceli) : **136/61C**
- — daughter corms : **136/7**
- — distribution : **136/10**
- neapolitanum : **135/18**
- persicum (Iran, Fars) : **136/63C**
- — (Iran, Markazi) : **136/63C**
- — distribution : **136/10**
- poliphyllum, distribution : **136/10**
- pusillum (Greece, Naxos) : **136/41C**
- — distribution : **136/9**
- raddeanum (Iran, Gilan) : **136/18C**
- — (Iran, Kuhha-(y)e-Sabalan) : **136/17C, /18C**
- — corm tunic : **136/6**
- — corms (Armenia, Vayots Dzor) : **136/17C**
- — distribution : **136/9, /10**
- robustum : **136/7, /8**
- — white & pink forms (Iran, North Khorasan, Kopet Dag) : **136/81C, /82C, /83C**
- — corms vs. *C. jolantae* (Iran, North Khorasan, Kopet Dag) : **136/84C**
- — distribution : **136/10**
- — seed hilum : **136/5**
- — seeds : **136/5C**
- sanguicolle (Turkey, Antalya) : **136/64C**
- — (Turkey, Muğla) : **136/64C**
- — distribution : **136/10**
- serpentinum (Turkey, Konya) : **136/65C**
- — (Turkey, Sivas) : **136/65C**
- — (Turkey, Tunceli) : **136/64C, /65C**
- — corm tunic : **136/6**
- — corms (Turkey, Konya) : **136/65C**
- — distribution : **136/10**
- sfikasianum (Greece, Southern Peloponnesus) : **136/41C**
- — distribution : **136/9**
- sibthorpii : **135/12**
- sieheanum (Turkey, Mersin) : **136/66C**
- — distribution : **136/10**
- soboliferum (Turkey, Van) : **136/67C**
- — corm : **136/6**
- — corm tunic : **136/6**
- — corms (Turkey, Van) : **136/67C**
- — distribution : **136/10**
- — seed hilum : **136/5**

- sp. (NW Iran) : **150/58, /65; 160/20**
- — (Turkey, Burdur, Katrancık Dağı) : **162/33**
- — (Turkey, Van) : **160/7**
- speciosum : **135/12; 141/51; 147/17, /18D, /27, /32, /35, /38**
- — (Georgia, Abkhazia) : **136/19C, /22C**
- — (Georgia, Abkhazia, Berchil Ridge) : **147/36C**
- — (Iran, Talysh) : **136/22C**
- — (Iran, Gilan Province, Talysh Mts., Kuhha-ye Tales) : **147/34C**
- — (Russia, North Caucasus, Dombai) : **136/20C, /21C**
- — (Russia, Karachay-Cherkessia, Dombay) : **147/28C**
- — — (Dombay-Ulgen & Alibek Gorges) : **147/36**
- — (Turkey, Bayburt Province, Soğanlı Pass) : **147/30, /31C, /38**
- — aneuploidy : **147/20**
- — BARAKA-062 : **147/29C**
- — daughter corms : **136/7**
- — distribution : **136/9; 147/19, /27C**
- — — in Iran : **147/34**
- — 'Dombai' : **135/19**
- — f. Album (Turkey, Gümüşhane Province, Zigana Pass) : **147/30C, /38**
- — gynoeceum & androeceum (Turkey, Ordu Province) : **147/26C**
- — habitat (Iran, Gilan Province) : **147/32C**
- — — Talysh Mts., Kuhha-ye Tales : **147/33C**
- — key : **147/38-39**
- — 'Ordu' : **147/30**
- — *sensu lato* : **147/20**
- — synonyms : **147/19**
- — — var. *lenkoranicum* : **147/19**
- — taxonomy : **147/19, /20**
- szovitsii, corm : **136/6**
- — corm tunic : **136/6**
- — daughter corms : **136/7**
- szovitsii agg. *C. bifolium* (Armenia, Lori) : **136/25C, /26C**
- — — (Armenia, Mount Aragats) : **136/25C**
- — — corms (Armenia, Lori) : **136/26C**
- — — f. *alba* : **136/24C**
- szovitsii agg. *C. ninae* : **136/24C**
- — — (Armenia, Vayots Dzor, Jermuk) : **136/27C**
- — — corms (Armenia, Vayots Dzor, Jermuk) : **136/27C**

- — subsp. brachyphyllum (Turkey, Gaziantep) : **136/68C**
- — — corms (Turkey, Gaziantep) : **136/68C**
- — — distribution : **136/10**
- — subsp. szovitsii : **133/49C, /50C**
- — — (Armenia, Vayots Dzor) : **136/23C**
- — — (Iran, Kuhha-(y)e-Sabalan) : **136/23C**
- — — (incl. *C. bifolium*, *C. ninae*) distribution : **136/9**
- — subsp. szovitsii s.s. (Armenia) : **136/24C**
- — — corms (Armenia, Vayots Dzor) : **136/24C**
- Colchicum** cf. szovitsii (Iran, West Azerbaijan Province, Oshnavieh) : **149/76**
- trigynum (= *Merendera trigyna*) : **136/8**
- — (Armenia, Lori) : **136/28C**
- — pink & white forms (Russia, North Caucasus, Karachay-Cherkess Republic) : **136/29C**
- — corm tunic : **136/6**
- — corms (Armenia, Lori) : **136/29C**
- — distribution : **136/9, /10**
- triphyllum (Iran, Semnan) : **136/42C**
- — (Ukraine, Odessa, Hadzhibey Estuary) : **136/42C**
- — (Ukraine, Odessa, Tiligul Estuary) : **136/43C**
- — corm tunic : **136/6**
- — corms (Iran, Semnan) : **136/43C**
- — — (Ukraine, Eastern Crimea) : **136/43C**
- — diseased corms : **165/16C**
- — distribution : **136/9, /10**
- turcicum (Bulgaria, Eastern Rhodopes) : **136/44C**
- — (Greece, Macedonia) : **136/44C**
- — distribution : **136/9**
- umbrosum (Ukraine, Crimea) : **136/30C**
- — distribution : **136/9**
- varians, corm tunic : **136/6**
- — corms (Iran, Markazi) : **136/69C**
- — distribution : **136/10**
- — pink & white forms (Iran, Markazi) : **136/69C**
- — stolon-like cormels : **136/7**
- variegatum : **135/24C, /26**
- — (Greece, Ikaria) : **136/45C**
- — (Greece, Naxos) : **136/45C**
- — distribution : **136/9**
- wendelboi (Iran, Bakhtiari) : **136/70C**
- — (Iran, Lorestan) : **136/70C**
- — corms (Iran, Lorestan) : **136/70C**

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- woronowii : **147/17, /19, /27, /39C**
- — (Georgia, Abkhazia, Mount Mamdzyshkha) : **136/31C; 147/35C**
- — aneuploidy : **147/20**
- — corm tunic : **136/6**
- — distribution : **136/9; 147/27C**
- — key : **147/38-39**
- — seed hilum : **136/5**
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- Colletotrichum** lineola, infection of *Trillium* : **175/9**
- Collomia** biflora : **173/21C**
- Colobanthus** quitensis : **152/37**
- — [cultivation](#) : **152/37**
- Columbina** picui (Picui Ground Dove) : **134/36C**
- Conanthera** trimaculata : **138/24, /25C**
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- Convolvulus** arvensis : **134/1C, /29C**
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- Corallodiscus** : **139/46**
- Corallorhiza** maculata var. maculate (Summer Coralroot) : **170/32C**
- Cordylanthus** tenuis subsp. tenuis (Slender Bird's Beak) : **170/21**
- Cornus** alba, cultivars : **180/41**
- — 'Aurea' : **180/14**
- — 'Elegantissima' : **180/14**
- — 'Kesselringii' : **180/13C**
- — 'Sibirica' : **180/14**
- canadensis : **180/28**
- — disjunct distribution : **180/28**
- controversa : **179/34C**
- florida : **180/28, /42**
- — 'Autumn Gold' : **180/42**
- — f. rubra : **180/39C, /41C**
- kousa var. chinensis : **180/42C**
- nuttallii : **174/10C, /11C**
- sericea subsp. sericea : **170/34**
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- — 'Anny's Winter Orange' : **180/14**
- — 'Bud's Yellow' : **180/14**
- — 'Winter Flame' : **179/30C**
- × rutgersiensis (*C. kousa* × *florida*) : **180/42**
- sessilis : **174/13C**
- Corona virus : **137/2, /21C; 145/2; 148/2; 169/21**
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**Cortusa brotheri** (**Primula matthioli** subsp. *brotheri*) : **179/14C**

**Corydalis**

- benecincta : **135/49**
- calycosa : **135/49**
- cava subsp. marschalliana : **182/48**
- darwasica : **181/32**
- fedtschenkoana : **135/40C**, /41
- glaucescens : **181/3**, /4, /7, /11; **182/4**
- — (Kazakhstan, nr. Almaty) herbarium Sheet : **181/6C**
- — 12KZ-051 (Kazakhstan, nr. Kegen Pass) : **181/4C**
- — — leaf, flower details : **181/5C**, /12C
- — 'Cream Beauty' (Kyrgyzstan, Ala-Archa) : **181/5C**, /11
- — distribution : **181/3**
- — 'Early Beauty' (Kazakhstan, Medeo) : **181/4C**, /11
- — leaflets : **181/12**
- — 'Pink Beauty' (Kyrgyzstan, Ala-Archa) : **181/4C**, /11
- — 'White Beauty' : **181/11**
- haussknechtii : **160/20**
- hybrids : **165/6C**
- kaschgarica : **181/11**
- "kashgarica" : **181/11**, /12, /15C
- — leaves & flowers : **181/15C**
- ledebouriana : **135/35**, /36, /37C; **181/30C**; **182/3**
- maracandica : **135/35**
- meifolia : **135/53**
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- nudicaulis : **181/12C**, /13C
- pskemensis : **181/2C**, /7C, /8C, /10-11\*; **182/3C**, /4
- — ARJA-9871 : **181/10**
- — as sp. nov. glaucescens aff. : **181/22**, /32
- — distribution : **181/10**
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- — holotype (ARJA-9871) : **181/9C**
- — leaflets : **181/12C**
- — locus classicus : **181/16C**
- — separation from *C. glaucescens* : **181/4**, /12C
- — separation from *C. "kashgarica"* : **181/11**
- — × nudicaulis : **181/13C**; **182/4**
- — — herbarium sheet : **181/14C**
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— subsect. *Brevinectaria* : **181/3**

— ruksansii : **182/4**

— schanginii : **182/4**

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**Cousinia thomsonii** : **135/54**

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— Diaries : **135/55L**; **141/2**

— pandemic : **174/49**

**Crambe kotshyana** : **135/35**

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- — in habitat : **162/22C**
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- — (Akseki, S Turkey) : **182/20C**
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- — locations : **162/33C**
- — yellow form : **162/30C**
- bydzowskyanus : **162/33-35\*, /46, /52**
- — BATM-471 : **162/32, /34, /37C**
- — (Turkey, Konya province, Beyşehir-lbradi) JP 91-13, flower parts : **162/37C**
- — — leaf morphology : **162/37C**
- — JP 91-13B : **162/32, /33, /35C**
- — R2CV-047 : **162/1C, /32, /34, /36C ; 163/2**
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- cancellatus (now *C. mazziaricus*) : **144/54; 162/6**
- — ARGI-103 : **144/55C**
- caspius : **160/29, /32; 172/5; 182/42**
- chiaicus : **150/73C, /73-75\*, /78C, /79C, /91; 172/22C, /23, /24, /27C**
- — 18IRS-059 : **150/77C**
- — corm tunics : **150/76C**
- — corms : **150/76C**
- — distribution : **150/73**
- — etymology : **150/75**
- — flower details : **150/77C**
- — habitat : **150/73**
- — holotype : **150/77C**
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- — separation from *C. dolatyarii* : **150/75**
- chionophilus : **150/80-81\*, /85C, /86C, /87C, /88C, /91 ; 172/22C, /23, /26C**
- — 22IRS-035 : **150/89**
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- — corm tunics : **150/84C**
- — distribution : **150/80**
- — etymology : **150/82**
- — flower details : **150/84C**
- — habitat : **150/80C**
- — holotype : **150/83C**
- — leaf morphology : **150/84C**
- — seed capsule & seeds : **150/1C, /82C**
- — separation from *C. adamii* : **150/82**
- christianii : **162/51-52\***

- — RIGA-028 (Turkey, nr. Beyşehir Gölü, Fela) : **162/46, /51, /52, /53C, /56C**
- — — flower parts : **162/53C**
- — — leaf morphology : **162/54C**
- — — seedpods & seeds : **162/54C**
- — etymology : **162/52**
- — habitat & distribution : **162/51**
- — holotype : **162/51, /55C**
- — recognition : **162/52**
- cf. christianii : JP 87-89 (Turkey, Konya, Beyşehir-Sarki Karagaç) : **162/46, /47C**
- — KPPZ-354 (Turkey, Konya, Beyşehir-Akseki) : **162/46, /47C**
- — RIGA-002 (Turkey, Konya, nr. Üzümlü) : **162/46, /47C**
- chrysanthus : **133/52; 150/48; 164/9; 172/6**
- cf. chrysanthus : **162/20, /22**
- cobbii : **164/2**
- concinnus : **151/6C**
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- damascenus : **144/55; 150/49, /65, /73**
- — JJVV-039 : **144/55C**
- — s.l. : **182/42**
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- — complex : **162/28-56**
- — distribution (Güner's map) : **162/44C**
- — fide Maw : **162/28, /30, /31, /32, /34, /40, /52**
- — — description : **162/28-29**
- — sensu lato : **162/28, /29, /30, /32, /40, /41C**
- — — 12TU-008 (Turkey, Muğla/Antalya, nr. Bekçiler) : **162/46, /50C**
- — — 14TUS-011 (Turkey, Antalya, Ekizce yaila) : **162/46, /49C**
- — — 14TUS-013B (Turkey, Antalya, Altinyaka-Antalya, Sarichinardağ) : **162/30, /46, /50C**
- — — BATM-391 (Turkey, Kahramanmaraş, nr. Göksun) : **162/41, /43C**
- — — BATM-402 (Turkey, Adana, Kaan gec.) : **162/41, /43C, /44C**
- — — JATU-014 (Turkey, Kütahya, Kütahya-Gediz) : **162/47, /50C**
- — — JJVV-024 (Turkey, Adana, Kaan gec.) : **162/41**
- — — JJVV-052 (Turkey, Antalya, Ekizce yaila) : **162/30, /46, /49C**
- — — JRRK-085 (Turkey, Sivas, Mazıkıran gec.) : **162/41, /44C**

- — — JRRK-089 (Turkey, Kayseri, Ziyarettepesi Geçidi) : **162/41**
- — — KPPZ-274 (Turkey, Ankara, Kuyuklu Dağ) : **162/41**
- — — KPPZ-274A : **162/42C**
- — — KPPZ-292 (Turkey, Sivas, Gurun-Pınarbaşı) : **162/41, /42C**
- — — localities : **162/45C**
- — — LST-014 (Turkey, Isparta, Bahtiyar) : **162/46, /48C**
- — — LST-022 (Turkey, Akşehir/Konya, Sultan Dağları) : **162/46, /48C**
- — — LST-044 (Turkey, Konya, nr. Akşehir) : **162/47, /50C**
- — — LST-347 (Turkey, Malatya/Kahramanmaraş, Matalya-Elbistan) : **162/41, /43C**
- — — LST-365 (Turkey, Kayseri, Ziyarettepesi Geçidi) : **162/41, /43C**
- — — RUDA-096 (Turkey, Kayseri, Dokuzdolanbaç gec.) : **162/41, /42C**
- — — RUDA-099 (Turkey, Adana, Kaan gec.) : **162/41**
- Crocus danfordiae** subsp. *kurdistanicus* (now *C. kurdistanicus*) : **149/73; 150/49**
- *dolatyarii* : **149/2, /70-90, /76-78\*, /82C, /84C, /85C, /87C, /88C, /89C; 150/91; 172/22C, /23, /25C**
- as 'sp., biflorus group' : **149/70, /71C**
- — — flower details : **149/70C**
- — corm tunics : **149/83C**
- — distribution map : **149/84C; 150/49C**
- — etymology : **149/78**
- — habitat & distribution : **149/76**
- — holotype : **149/76, /80C**
- — in habitat : **149/76C, /78C**
- — isotype (RIG! 22IRS-076) : **149/76, /81C**
- — leaf morphology : **149/83C**
- — locus classicus : **149/79C, /84C**
- — separation from *C. roopiae* : **149/79**
- — white form : **149/86C**
- 'elegantissimus' (= *C. brachyfilus*; syn. *C. elegans*, *C. speciosus* subsp. *elegans*) : **182/31**
- *erolii* : **144/2, /56\*, /57C, /61C, /80**
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- — flower details : **144/60C, /61C, /62C**
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- — seed pods : **144/62C**
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- *etruscus* : **164/9**
- *fleischeri* KJGR-034 : **144/64C, /66**
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- — subsp. *gargaricus* (now *C. gargaricus*) : **162/15**
- — subsp. *herbertii* (now *C. thirkeanus*) : **162/15**
- — corm tunic : **162/16C**
- — corms : **162/16C**
- — leaf morphology : **162/16C**
- — locus classicus : **162/21C**
- *gemboisii* : **133/51C, /54C, /55**
- — 'Golden Delight' : **133/54C, /55**
- — 'Sunspot' : **133/52C**
- — hybrids : **133/52C**
- *georgei* : **162/6, /8C, /11**
- *gilanicus* : **162/30; 182/42**
- *gramensis* (*nomen nudum*) : **152/7, /8**
- *gunae* : **150/91; 172/6, /22C, /23, /26C**
- *hadriaticus* 14GRA-049 : **165/32C**
- — — shoots : **165/32C**
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- — — shoots : **165/32C**
- — PELOG-003 : **165/35C**
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- — subsp. *parnassicus* : **165/33; 182/12**
- — — 18GRA-099 : **165/33C, /34C**
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- — subsp. *parnonicus* : **165/33, /34C; 182/12**
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- *hellenicus* : **182/32**
- — 12GRA-002 (Vikos Canyon, NW Greece) : **182/20C**
- — cataphylls : **182/21C, /32**
- — localities map : **182/33C**
- — subsp. *hellenicoides* : **182/33, /34C, /35C, /36-37\*, /37C, /51**
- — — corm tunics : **182/40C**
- — — etymology : **182/37**
- — — flower details : **182/41C**
- — — habitat : **182/34C**
- — — herbarium sheet : **182/39C**
- — — holotype (RIG II: BOT-17079!) : **182/36, /39C**
- — — JP 87-104 : **182/31, /51**

- — — leaf cross-section : **182/40C**
- — — PB-359 : **182/31, /38C, /51**
- — — seed capsule, seeds : **182/40C**
- — subsp. hellenicus : **182/33**
- Crocus heuffelianus** : **164/9**
- homeri : **144/2, 69C, /70C, /71C, /72\***
- — 'Homeri' : **144/66C**
- — corms : **144/74C**
- — etymology : **144/73**
- — flower details : **144/74C, /75C, /76C**
- — habitat : **144/68C, /69C**
- — habitat & distribution : **144/72**
- — KJGR-001 : **144/77C**
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- — throat hairs : **144/73C**
- — white form : **144/68C**
- hyrcanus : **182/45C, /46C, /48-49\*, /50, /51**
- — 16IRS-065 : **182/43**
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- — corms, stolons : **182/49C**
- — etymology : **182/49**
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- — habitat : **182/43C, /44C**
- — habitat, distribution : **182/48**
- — holotype (RIG II: BOT-17083!) : **182/47C, /48**
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- ibrahimii (syn. *C. speciosus* subsp. *ibrahimii*) : **182/31**
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- ilgazensis : **182/44**
- — 12TUA-146 (Ilgaz Dağı, N. Turkey) : **182/15C, /19**
- inghamii : **150/91; 165/27, /28C; 172/22C, /24, /27C**
- — corm tunic : **165/28**
- iranica : **150/66, /91; 172/22C, /23, /25C**
- cf. iranica : **151/12**
- jablanicensis : **152/9, /10, /14C, /15C, /25C, /28**
- — corm tunic : **152/20C**
- jostii (syn. *C. veluchensis* var. *micranthus*, nom. inval.) : **152/1C, /3-30, /8-9\*, /11C, /12C, /13C, /14C, /15C, /18C, /19C, /20C, /23C, /26C, /27C; 165/10; 177/13, /14C**
- — (N Macedonia, Popova Šapka Mt.) : **152/26C, /27C, /30C**
- — 22NMC-0014 (N Macedonia, Popova Šapka) : **152/17C**
- — 22NMC-005 (N Macedonia, Jablanica) : **152/16C**
- — basal plate : **152/19C**
- — collection localities : **152/10C, /28C**
- — corm tunic : **152/19C**
- — cultivation : **152/28**
- — etymology : **152/9**
- — flower details : **152/18C**
- — habitat & distribution : **152/9, /10C, /11C, /25C**
- — holotype RIG! : **152/8, /16C**
- — separation from *C. veluchensis* : **152/3, /10**
- — ? hybrid with *C. jablanicensis* : **152/10, /15C**
- korolkowii : **135/35, /36, /37C**
- kosaninii : **165/10**
- kurdistanicus : **150/35, /91; 162/28, /30, /56; 172/7**
- — syn. *C. danfordiae* kurdistanicus : **150/49**
- — 18IRS-020 : **149/73C, /74 ; 162/29C, /30**
- laevigatus f. albus 'Ray Cobb' : **164/32**
- ligusticus (syn. *C. medius*) f. albus : **164/32**
- lycius : **162/46**
- marandicus : **150/51-52\*, /52C, /56C, /57C, /91; 172/22C, /24, /27C**
- — corm tunics : **150/53**
- — corms : **150/53**
- — distribution : **150/51**
- — etymology : **150/51**
- — flower details : **150/54**
- — habitat : **150/50C, /51**
- — holotype : **150/55C**
- — leaf morphology : **150/54**
- — separation from *C. azerbaijanicus* : **150/51, /59**
- — white form : **150/53C**
- mathewii : **135/21; 144/54**
- mawii : **133/47C, /51C, /52, /55**
- mazziaricus : **144/80, /81**
- — (as *C. cancellatus* subsp. *mazziaricus*) : **144/80**
- — Kos locality map : **144/81**
- — 14GRA-051 : **165/30C**
- — PELOG-008 : **165/30C**
- cf. mazziaricus KJGR-074 : **165/30C**

- Crocus minutus** : **162/28, /29, /52**  
 — — HZ-88-38 : **162/31C, /32**  
 — — R2CV-038 : **162/31C**  
 — — locations : **162/32**  
 — — separation from *C. danfordiae* : **162/32**  
 — mouradi (syn. *C. flavus* subsp. *dissectus*) : **162/31**  
 — neapolitanus : **164/3**  
 — nivalis : **162/6C, /11**  
 — olivieri : **144/66**  
 — oreocreticus f. albus : **164/32**  
 — pallasii : **144/54, /67, /68, /80, /81; 165/30, /31C**  
 — — corm tunic : **165/30C**  
 — — 'Homeri' : **144/64, /66, /67**  
 — cf. pallasii ILOP-009 : **165/31C**  
 — — — corm tunics : **165/31C**  
 — pelistericus : **152/9; 165/10**  
 — — (N Macedonia, Jablanica) : **152/23C**  
 — pilousii PJC-215 : **162/9C, /10-11\*, /14C**  
 — — corms : **162/13C**  
 — — etymology : **162/11**  
 — — flower, detail : **162/11C, /12C**  
 — — holotype : **162/10, /14C**  
 — — leaf morphology : **162/12C**  
 — — locus classicus : **162/13C**  
 — — separation from *C. sieberi* complex : **162/11**  
 — polyanthus *nom. illeg.* (= *C. zuvandicus*) : **182/13, /23, /25, /26**  
 — pseudoiranicus : **150/65-67\*, /70C, /71C, /72C, /92; 172/22C, /23, /24, /28C**  
 — — corm tunics : **150/67C**  
 — — corms : **150/67C**  
 — — distribution : **150/65**  
 — — etymology : **150/66**  
 — — flower details : **150/65C**  
 — — habitat : **150/65**  
 — — holotype : **150/68C**  
 — — leaf morphology : **150/69C**  
 — — seed capsules & seed : **150/69C**  
 — — separation from *C. iranicus* : **150/67**  
 — pulchellus : **144/66; 182/26, /31**  
 — — as '*C. biflorus*' : **144/66**  
 — — f. albus '*Sylvia Cobb*' : **164/32**  
 — — KJGR-016 (Chios Island, Greece) : **182/13C**  
 — pulchricolor : **162/20; 165/26C, /28**  
 — — R2CV-003 : **162/17C**  
 — puringii CRIM-06 (Chatyr-Dag yayla, Crimea, Ukraine) : **182/17C**  
 — reinhardii : **150/91; 165/27, /28; 172/22C, /23, /26C**  
 — — corm tunic : **165/27**  
 — — separation from *C. inghamii* : **165/27**  
 — reticulatus complex : **160/24**  
 — robertianus f. albus : **164/32**  
 — 'Ronald Ginns' (*C. sieberi* x *C. sublimis* 'Tricolor') : **164/30C**  
 — roopiae : **149/79**  
 — — as *C. biflorus* subsp. *taurii* : **149/79**  
 — ruksansii : **90/2-13**  
 — sakaltutanensis : **165/28, /29C**  
 — — HKEP-9927 : **165/29C**  
 — sakariensis 12TUA-142 (Kuzuluk, NW Turkey) : **182/18C, /19**  
 — salzmännii f. albus 'El Torcal' : **164/31C**  
 — samarsii : **144/2, /82\*, /84C, /85C, /86C, /90C, /91C**  
 — — basal plate : **144/88C**  
 — — corm tunics : **144/80, /89C**  
 — — etymology : **144/83**  
 — — flower details : **144/86C, /87C**  
 — — habitat : **144/83C**  
 — — habitat & distribution : **144/82**  
 — — Kos locality map : **144/81C**  
 — — throat hairs : **144/88C**  
 — — type locality : **144/80**  
 — sanandajensis : **150/48, /49, /92; 172/22C, /24, /28C**  
 — — distribution : **150/49C**  
 — sativus : **150/48**  
 — scardicus : **152/9, /27C, /28; 165/10; 177/3C, /13**  
 — — (N Macedonia, Popova Šapka Mt.) : **152/26C**  
 — — JCA 760 : **177/5**  
 — scharojanii : **141/48, /49C; 152/28; 165/10**  
 — serotinus 19PTS-005B (Cabo de São Vicente, Portugal) : **182/16**  
 — sieberi : **162/5, /6C, /7, /11; 164/9**  
 — — subsp. *atticus* (now *C. atticus*) : **162/5**  
 — — subsp. *nivalis* (now *C. nivalis*) : **162/5**  
 — — subsp. *sieberi* (now *C. sieberi*) : **162/5**  
 — — subsp. *sublimis* (now *C. sublimis*) : **162/5**  
 — — — JJA 352.552 : **162/7, /9C**  
 — sivasensis : **165/28**  
 — speciosus : **172/4**  
 — speciosus agg. : **160/2**  
 — — in Iran : **150/49**  
 — — s.l. : **182/13, /31, /42, /43**  
 — — — distribution : **182/31**

- — — Iranian localities map : **182/42C**
- — s.s. : **182/17, /26, /42**
- — — BAR-003 (Kus Tba lake, Tbilisi, Georgia) : **182/14C**
- — subsp. *ilgazensis* (after Mathew) : **182/14**
- — subsp. *xantholaimos* (after Mathew) : **182/14**
- Crocus** cf. *speciosus* : **160/29, /32; 182/19, /23**
- sp., 22IRS-034, distribution : **150/49C**
- sp., 22IRS-034 (NW Iran, Kagnalagn) : **150/89C, /90C**
- sp. 22IRS-038, distribution : **150/49C**
- sp. 22IRS-041, distribution : **150/49C**
- sp. 22IRS-061, distribution : **150/49C**
- sp. 22IRS-079, distribution : **150/49C**
- sp. 22IRS-087, distribution : **150/49C**
- sp. 22IRS-099, distribution : **150/49C**
- sp. 22IRS-101, distribution : **150/49C**
- sp. (yellow, W Iran) : **149/74C, /75C**
- sp. HKEP-1631, as 'cf. *roopiae*' : **149/79**
- — approx. location : **149/84C**
- *striatulus* JRRK-006 (NE Turkey) : **182/19C**
- *sublimis* : **152/7; 162/6, /8C, /11**
- — PJC-215 (now *C. pilousii*) : **162/7, /11**
- — — coll. as *C. sieberi atticus*? : **162/7**
- — 'Tricolor' : **164/9**
- *thirkeanus* (syn. *C. herbertii*) : **162/15, /18C, /20, /21, /22, /23, /24**
- — R2CV-002 : **162/17C, /18C**
- — — corms & stoloniferous cormlets : **162/19C**
- — — leaf morphology : **162/19C**
- — in habitat : **162/17C**
- — location : **162/21C**
- — stoloniferous habit : **162/20, /21**
- *tommasinianus* : **156/35; 164/8, /28 ; 179/24C**
- — distribution : **164/3**
- — cultivars : **164/2, /3-23**
- — — 'Barr's Purple' : **164/3, /7**
- — — 'Bobbo' : **164/3C, /5**
- — — 'Claret'/Claret Group : **164/6, /28, /29C**
- — — claret form : **164/1C, /28, /29**
- — — 'Cream Tease' : **164/4C, /5C, /23**
- — — 'Deano' : **164/5C, /6, /6C, /23**
- — — 'Eostre's Egg' : **164/4, /6C, /7C, /23**
- — — 'Eric Smith' : **164/3, /16, /28**
- — — 'Farndale Purple' : **164/7C, /8C, /23**
- — — 'Foursquare' (hybrid with *C. vernus*) : **164/8, /9C, /23**
- — — 'Fridtjof' (hybrid with *C. chrysanthus*?) : **164/9C, /10C, /22, /23**
- — — 'Hörup' : **164/10C, /11C, /23**
- — — 'Leo' : **164/11C, /12C, /23**
- — — 'Lilac Beauty' : **164/3**
- — — 'Mousse de Framboise' : **164/6, /12C, /13C, /23**
- — — 'Myddleton Red' : **164/14C, /23**
- — — 'Peter Grimshaw' : **164/3C, /14C, /15C, /23**
- — — 'Pictus' : **164/3**
- — — 'Pieta' : **164/16C, /19, /23**
- — — 'Pixel' : **164/16, /17C, /23**
- — — 'Roseus' : **164/3**
- — — 'Ruby Giant' : **164/3**
- — — 'Silver Lining' : **164/18C, /23**
- — — 'St. Sepulchre's Pale' : **164/19C, /23**
- — — 'Tipsy' : **164/19C, /20C, /23**
- — — 'Wandering Minstrel' (hybrid with *C. vernus*) : **164/20, /21C, /23**
- — — 'Wendy Marr' (hybrid with *C. vernus*) : **164/10, /22C, /23**
- — — 'Whitewell Purple' : **164/3**
- — — 'Yalta' (hybrid with *C. x cultorum*) : **164/3**
- — varieties : **164/2, /3-23**
- *tomoricus*, as syn. with *C. veluchensis* : **152/7**
- — collection localities : **152/10**
- *vallicola* : **165/10**
- *veluchensis* : **152/3, /7, /8, /10; 162/7; 177/13**
- — (Greece, Elatia forest) : **152/5C**
- — — (— Mt. Parnassós) : **152/6C**
- — — (— Mt. Voros) : **152/5C**
- — — (Kosovo, above Vratnica) : **152/6C**
- — — hairs base inner segments : **152/6C**
- — (Serbia, Surdulica to Streezimirovci, nr Vlasinsko reservoir) : **152/4C**
- — corm tunic : **152/21C**
- — — (Greece, Mt. Ossa) : **152/21C, /22C**
- — — (Greece, Tymfristós) : **152/21C**
- — cultivation : **152/29**
- — group : **165/10**
- — sensu lato : **152/3, /4**
- — — collection localities : **152/10C**
- — — hybridization : **152/8**
- — — population diversity : **152/7**
- — separation from *C. sublimis* : **152/7-8**

- — white form : **152/5C**
- — var. *micranthus*, nom. inval. (as syn. of *C. jostii*) : **152/8, /10, /28**
- Crocus veneris** subsp. *carmeliensis* : **182/12**
- *vernus* : **164/3**
- *wattiorum* : **135/21; 164/28**
- *weldenii* hybrid 'Myddleton Cream' : **164/29**
- *xantholaimos* 12TUA-147 (Boyabat-Kabali road, N. Turkey) : **182/15C, /19**
- *yalovens* : **152/28**
- *zagrosensis* : **150/49, /92; 172/6, /22C, /23, /24, /28C**
- *zanjanensis* : **150/91; 172/22C, /23, /24, /27C**
- *zetterlundii* : **165/25C, /28**
- — JATU-008 : **165/26**
- — LST-103 : **165/26**
- — LST-108 : **165/26**
- — separation from *C. pulchricolor* : **165/25-27**
- *zubovii* : **172/4; 182/32, /43, /44**
- — 16IRS-154 (Olang Pass, Golestan, NE Iran) : **182/21C**
- *zuvandicus* : **182/1C, /24C, /25-26\*, /27C, /51**
- — basal tunic : **182/29C**
- — corms, tunics : **182/29C**
- — curved stigmatic branches : **182/28C**
- — etymology : **182/26**
- — flower details : **182/30C**
- — habitat : **182/23C**
- — habitat, distribution : **182/25**
- — holotype (RIG II: BOT-17088!) : **182/28C**
- — leaf cross-section : **182/29C**
- — RSZ-8792 : **182/23, /26**
- — seedpods, seeds : **182/30C**
- — separation from allied spp. : **182/26**
- [Crocus Pages](#) (Tony Goode) : **164/23**
- cryptic species : **148/8; 182/12, /16, /17**
- cultivar : **139/27**
- Curaeus curaeus** (Austral Blackbird) : **134/22C**
- Cyananthus flavus** : **148/55**
- *microphyllus* : **148/55**
- Cyclamen coum** : **133/20C; 164/25**
- — subsp. *coum* f. *coum* 'Porcelain' : **141/55**
- 'Porcelain' : **141/2, /53C, /54C, /55**
- — open-pollinated seedling from : **141/55C**
- *graecum* subsp. *anatolicum* : **135/26**
- *hederifolium* : **153/43; 180/5C**

- *persicum* ex Rhodes : **143/84C**
- Cymopterus terebinthinus** var. *californica* : **170/22**
- Cynosurus echinatus** : **174/9**
- Cypripedium**
- *calceolus* : **181/51, /52C, /53C**
- germination : **156/54**
- *flavum* : **133/33C; 135/42**
- *guttatum* : **135/42**
- hybrids : **180/29**
- — Gabriela gx (Kentucky Maxi; *C. kentuckiense* x *fasciolatum*) : **180/30, /31C**
- — Hank Small gx : **180/30C**
- — Philipp gx (Kentucky Pink; *C. kentuckiense* x *macranthos*) : **180/30, /31C**
- — Ulla Silkens gx (*C. flavum* x *reginae*) : **180/31, /32C**
- *parviflorum* var. *pubescens* : **180/30C**
- *plectrochilon* : **135/42**
- *tibeticum* : **135/42C, /49**
- *yunnanense* : **135/42**
- Cyrtanthus elatus** : **137/48C**
- Cystopteris fragilis** : **170/41C; 179/11**
- [Czech International Rock Garden conferences](#) : **138/3; 151/2, /35**
- Czechia/Czech Republic : **138/2**
- Ceska Rybna : **172/2**
- Hradec Kralove : **172/2**
- Průhonice : **151/35**
- Radotín : **156/44**
- Syrovice : **171/44**
- Dactylicapnos macrocapnos** (syn. *Dicentra macrocapnos*) : **180/48**
- Dactylorhiza alpestris** : **181/56C, /57C**
- 'black death' : **156/58**
- *elata* : **180/79C**
- *ericetorum* : **171/40, /41C**
- *fuchsii* : **171/6, /11, /37, /39C, /40C; 180/40; 181/48C, /49C**
- germination : **156/54**
- *incarnata* : **156/59C; 171/6, /37C, /38C**
- — var. *coccinea* : **171/19C, /20C**
- — var. *dunensis* (= var. *lobelia*) : **171/11, /18C, /19**
- *maculata* : **171/7C, /11, /37, /40**
- *majalis* : **171/8C, /40; 180/78C; 181/56**
- — subsp. *calcifugiens* : **156/54**
- *praetermissa* : **171/4C, /5, /11, /38C, /40**
- — hypochrome form : **171/5, /6C**
- — var. *junialis* (syn. *D. pardalina*) : **171/5, /11, /40**

**Dactylorhiza** protocorm : **156/53C**

- *purpurella* : **156/54, /55**
- *romana* : **156/54**
- *sambucina* : **156/54; 177/16C, /17**
- — red & yellow forms : **180/92C; 181/55C**
- self-seeding : **156/48**
- *viridis* : **179/2**

Dalhousie University, Halifax, NS, Canada : **139/2**

[Daffnet](#) : **143/72**

daffodil (**Narcissus**) hybrids : **165/5C**

- soil pH : **165/8, /9, /10**

**Danthonia californica** (California Oatgrass) : **170/17C**

**Daphne arbuscula** (Utrecht BG) : **152/33**

- 'Colinton Crown' : **156/2, /37-39, /37C, /38C, /39C**
- — propagation : **156/38**
- *blagayana* : **156/37; 180/14**
- *cneorum* : **156/37**
- × *eschmannii* 'Jacob Eschmann' : **156/37**
- *longilobata* : **156/38**
- *mezureum* : **156/38**
- *morrisonensis* : **145/55**
- *petraea* : **167/12**
- — 'Cima Tombea' : **156/37**
- 'Spring Beauty' : **180/14C**
- *tangutica* : **156/38**

**Darlingtonia californica** : **142/88, /96C**

**Darmera peltata** : **174/20C**

deer, grazing : **170/34**

**Delphinium andersonii** : **167/20**

- *confusum* : **135/39**
- *flexuosum* : **141/51**

**Dendrocopos leucopterus** (White-winged woodpecker) : **169/16**

**Deschampsia antarctica** : **152/37**

- *cespitosa* : **179/16**

**Desideria baiogoinensis** : **135/51C**

**Dianthus 'Inshriach Dazzler'** : **133/31C**

- *myrtinervius* : **167/18**
- 'Prince Charming'? : **179/47C**
- *scardicus* : **177/112**
- *superbus* : **179/11**
- *uzbekistanicus* : **135/35**

**Diapensia purpurea** : **135/44**

**Dicentra formosa** 'Bacchanal' : **180/26, /27C, /48**

- — 'Bountiful' : **180/48**
- — 'Langtrees' : **180/26**

**Dichelostemma capitatum** : **143/84C**

- *ida-maia* : **142/88C**

**Dictamnus angustifolius** : **169/8, /9C**

- — habitat : **169/9C**

**Dierema pulcherrima** : **137/47C**

**Dietes grandiflora** : **137/5, /7C, /48C**

**Digitalis ferruginea** : **180/45, /46C**

- — distribution : **180/46**

**Dionysia**, Iran : **176/3-10**

- growing medium : **173/48C**
- — commercial source ([Vulkatec](#), Germany) : **173/48**

- propagation : **173/37-50, /44C**

- — cuttings, aftercare : **173/45C, /48C, /49C, /50C**

- — — choice of material : **173/38C, /42**

- — — medium : **173/40**

- — — potting on : **173/47C**

- — — preparation : **173/38, /39C, /42C, /43C**

- — — rooted : **173/46C, /47C**

- — — watering : **173/40, /44C, /47C, /48C**

- — magnifying glasses : **173/43C**

- — records : **173/37C**

- *afghanica* GW/H 1308 : **173/50**

- *alipourii* : **176/3**

- *archibaldii* : **176/9C**

- *aretoides* : **152/34; 153/44**

- *assadii* : **176/6C**

- *bachtiarica* : **176/8C, /9**

- *brinkii* : **176/4C**

- *bryoides* : **149/3, /26C, /27C, /28C, /29C, /30C, /31C, /32C, /33C, /34C; 176/5C**

- *caespitosa* subsp. *bolivarii* : **149/51C, /53C, /54C**

- — — flower detail : **149/52C**

- *crista-galli* : **176/5**

- *denticulata* : **173/37C, /38C**

- *diapensiifolia* : **149/35C, /36C**

- *esfandiarii* : **149/46C, /47C, /48C, /49C, /50C**

- *iranica* : **176/7C**

- *iranshahrii* : **149/69C; 173/41C, /42C; 176/8C**

- *jamzadiae* : **149/60C, /61C, /62C**

- — flower & rosette detail : **149/59C**

- *janthina* : **149/42C, /44C, /45C**

- — detail : **149/43C**

- *lurorum* : **176/5C**

- *michauxii* : **149/7C, /8C, /9C, /10C, /12C, /14C, /15C, /16C, /67**

- — flower detail : **149/13C**

- — rosette detail : **149/11C, /12C**
- Dionysia mozaaffarania** : **149/68C**
- revoluta : **149/55C, /56C, /58C**
- — flower detail : **149/57C**
- — subsp. peduncularis : **149/67C**
- sarvestanica subsp. spathulata : **149/17C, /18C, /19C, /20C, /21C, /22C, /23C, /24C, /25C; 176/4C, /7**
- [splendens](#) : **149/3-69, /3C, /4C, /5C, /38, /67, /69C; 176/3**
- — corolla, brevistylous/longistylous forms : **149/5C**
- — flowers, inflorescence, leaves : **149/5C**
- — separation from *D. viva* : **149/38**
- spp. in habitat : **149/2**
- tapetodes : **152/34; 176/9C**
- tjeerdsmae : **176/6C**
- viva : **149/37C, /39C, /40C, /41C**
- — inflorescence detail : **149/38C**
- — separation from *D. splendens* : **149/38**
- zagrica : **149/68C; 176/7C**
- zetterlundii : **149/63C, /65C, /66C**
- — in habitat : **149/1C**
- — rosette detail : **149/64C**
- zschummelii : **176/5**
- — rooted cuttings : **173/46C**
- Diphasiastrum alpinum** (Alpine Clubmoss) : **170/38C**
- Diplacus kelloggii** : **174/30, /31C**
- pictus : **162/63C**
- — seedlings : **162/62C**
- torreyi : **170/11C, /19**
- viscidus : **174/29C**
- Diplodium** : **143/25**
- sp. 'Adelaide Hills' : **143/29C, /30C**
- dolichochilum (Mallee Orchid) : **143/28C**
- roseum : **143/6C**
- Dipterostemon capitatus** subsp. capitatus : **174/32C**
- Discaria nana** : **173/34C**
- Disporopsis** (Asparagaceae) : **161/54**
- germination : **161/54**
- Disanthus cercidifolius** : **133/45C**
- Disporum nantouense** : **145/55**
- Diuca diuca** (Diuca Finch) : **137/27C**
- Diuris behrii** (syn. **Arachnorchis behrii**) : **143/36C, /37C**
- brevifolia : **143/39C**
- chryseopsis : **143/88C**
- orientis : **143/34C, /37C**
- — × behrii natural hybrid : **143/38C**
- — × pardina natural hybrid : **143/35C**
- pardina : **143/34C**
- Dodecatheon** (now **Primula**) hendersonii : **174/26**
- Doellingeria breweri** : **170/27, /28C**
- dolerite : **142/3, /12C, /65, /66; 171/44**
- dolomite chalk : **165/9**
- Donatia novae-zelandiae** : **142/24C**
- — flowers : **142/24C, /29**
- Donia uniflora** (basonym of *Pyrrocoma uniflora*) : **172/31**
- Doronicum oblongifolium** : **179/11**
- Draba cretica** : **142/2**
- oreades : **179/17**
- Dracocephalum imberbe** : **179/16, /17**
- sp. : **166/23C**
- stamineum : **179/16, /17**
- Dracophyllum** subgenus *Cystanthe* : **142/25**
- subgenus *Richea* : **142/25**
- alpinum (syn. **Richea alpina**) : **142/25C, /26C**
- continentis : **142/25**
- desgrazii : **142/25**
- gunnii : **142/25**
- laciniatum : **142/25**
- minimum (Heath cushion plant) : **142/27C, /28C, /29**
- — flowers, foliage : **142/27C, /28C**
- pandanifolium (Pandani) : **142/25, /30, /31C, /32C, /70C**
- — subsp. ramulosum : **142/30**
- — spent inflorescences : **142/31C**
- — trunk : **142/33**
- persistentifolium (syn. **Richea scoparia**, *Scoparia*) : **142/1C, /8C, /11C, /25, /33C, /34C, /35C, /36C, /70C**
- — calyptra (operculum; fused petals) : **142/34**
- — exposed flowers : **142/34C**
- — pollination : **142/34**
- procerum : **142/25**
- sprengelioides : **142/25**
- tasmanicum : **142/25**
- victorianum : **142/25**
- Drimia aphylla** : **135/26**
- Drosera arcturi** (Alpine Sundew) : **142/8C, /36C, /61C, /62C**
- Dryas octopetala** : **177/15**
- Dryopteris formosana** : **145/55**
- Dutchman's pipe (**Aristolochia**) : **151/2, /24**
- Echinops emiliae** : **135/22, /23C**

- Echinopsis chiloensis** : **132/13**, /25; **137/1C**, /19, /20C, /21C; **138/24**  
 Ecuador, Cayambe-Coca : **154/25**  
 — Volcán Guagua-Pichincha : **154/24**, /25  
 El Niño Southern Oscillation : **138/20**  
**Elymus sibiricus** : **179/11**  
**Empetrum rubrum** : **144/22**  
**Empodisma minus** : **142/5**  
 ENSO (El Niño Southern Oscillation) : **138/20**  
**Epacris serpyllifolia** (Alpine heath) : **142/38C**  
**Ephedra chilensis** : **145/26**, /27C  
**Epilobium foliosum** (California Willowherb) : **170/11**  
 — nankotaizanense : **145/56**  
**Epimedium** 'Wim Boens' (? *E. davidii* x *E. rhizomatosum*) : **175/2C**  
**Epipactis**, germination : **156/54**  
 — gigantea : **180/40**  
 — palustris : **171/16C**; **180/28**, /29C, /40  
 — — distribution : **180/28**  
**Epipogium aphyllum** : **141/51**, /52C  
**Equisetum arvense** (Common Horsetail) : **170/22**, /34  
**Eranthis** seedlings : **151/3C**  
 — separation from *Shibanteranthis* : **151/3-4**  
 — cilicica : **133/48C**; **151/6C**, /7, /8, /13  
 — — distribution : **151/7**, /9C  
 — — R2CV-039 : **151/6**  
 — — — tubers : **151/10C**, /12C  
 — — separation from *E. hyemalis* : **151/7**  
 — *hyemalis* (syn. *E. bulgarica*, *E. hyemalis* var. *bulgarica*): **135/22**; **151/4C**, /5C, /7  
 — — CP 131 : **164/36C**  
 — — distribution : **151/4**  
 — — tubers : **151/9C**  
 — *iranica* : **151/4**, /7, /13  
 — — locality map : **151/9C**  
 — — tubers (WHIR-038) : **151/11C**  
 — *kurdica* : **151/1C**, /3-18, /12\*, /18C ; **160/20**; **172/14**  
 — — 17IRS-063 : **151/17C**  
 — — 17IRS-049 : **151/13C**  
 — — 17IRS-059 : **151/14C**, /15C  
 — — 17IRS-060 : **151/17C**  
 — — 22IRS-089 : **151/12**, /16C  
 — — cultivation : **151/13**  
 — — habitat & distribution : **151/12**  
 — — herbarium sheet : **151/15C**  
 — — holotype : **151/3**, /16C  
 — — leaves (17IRS-063) : **151/14C**  
 — — localities map : **151/8C**, /9C  
 — — separation from *E. cilicica* : **151/7**, /13  
 — — tubers : **151/11C**  
 — — — (17IRS-049) : **151/12C**  
 — *longistipitata* : **151/4**, /6C, /7  
 — — tubers : **151/10C**  
 — *pinnatifida* : **151/13**  
 — *sibirica* : **148/8**  
 — *stellata* : **148/8**; **151/13**  
 'eranthophilia' : **151/4**  
**Eremophila debilis** : **143/88C**  
 — *glabra* : **143/87C**  
 — — 'Kalbarri Gold' : **143/87C**  
**Eremorchis** : **143/25**  
**Eremurus fuscus** : **135/39**  
 — *lactiflorus* : **181/24C**, /32  
 — *luteus* : **176/13C**  
 — *olgae* : **135/32C**, /35C  
 — *regelii* : **181/31**  
 — spp. (Kyrgyzstan) : **169/15**  
 — *tianschanicus* : **140/12**, /23 ; **182/3**  
**Erica cinerea** : **170/44C**  
 — (*Bruckenthalia*) *spiculifolia* : **177/12**, /20C  
**Erigeron aurantiacus** : **179/14**  
 — 'Canary Bird' : **179/46C**  
 — *heterochaeta* : **179/16**  
 — *schmalhauseni* : **179/11**  
 — sp. : **148/57**  
 — *tianschanicus* : **179/11**  
**Eriochilus collinus** : **143/22C**  
**Eriogonum**, mounded cuttings : **146/70**  
 — *incanum* (Frosted Buckwheat) : **170/21**  
 — *latifolium* : **142/87C**  
 — *lobbii* : **170/30C**  
 — *nudum* : **142/93**  
 — — var. *deductum* (Naked Buckwheat) : **170/22**  
 — *rixfordii* : **152/42**  
 — *umbellatum* : **152/42C**  
 — *ursinum* var. *ursinum* (Bear Buckwheat) : **170/10**  
 — *wrightii* subsp. *subscaposum* : **170/13**  
**Eriophyton wallichii** : **148/57**  
**Eriosyce curvispina** : **137/27C**  
**Eritrichium villosum** : **179/16**  
**Erodium cicutarium** : **138/25**  
 — *moschatum* : **138/24**  
**Eryngium bourgatii** 'Picos Blue' : **180/40C**  
**Erysimum capitatum** var. *capitatum* : **170/14**  
 — *helveticum* : **181/61C**  
**Erythranthe bicolor** : **162/61C**; **174/30**  
 — *cardinalis* : **174/15C**

**Erythranthe** guttata : 174/30

— lutea : 173/25C

— — var. variegata : 156/9

— moschata (Musk Monkeyflower) : 170/22C

— naiandina (syn. **Mimulus** naiandinus) :

145/26, /31C

— — F&W11087 : 156/8C

— — F&W12614 : 156/12C

— — habitat : 156/11C

— primuloides : 170/16

**Erythronium** (Iran, Golestan) : 160/31

— 'Ballyrogan Inferno' : 180/19, /20C

— 'Beech Park' : 180/20C

— californicum 'White Beauty' : 180/19, /21C, /24C

— caasicum : 160/29, /32

— 'Craigton Cover Girl' : 180/19C

— dens-canis : 180/9C, /10, /18

— oregonum hyb. 'Harvington Snowgoose' : 180/23C

— 'Pagoda' :

— revolutum : 180/19

— revolutum 'Alleyne Cook' : 177/23-30, /23-24\*, /23C, /24C, /25C

— — 'Knightshayes' : 180/18C

— — 'Knightshayes Pink' : 180/18

— 'Rosalind' : 133/30C

— tuolumnense hyb. 'Pagoda' : 179/27C; 180/21C, /22C

— — 'Sundisc' : 180/22C

**Escallonia** rubra : 144/22

**Eschscholzia** californica : 137/39C

**Eucalyptus** coccifera (Snow Peppermint/Snow Gum) : 142/39C, /50C, /70C

— fasciculosa : 143/4, /5C

— incrassata : 143/5

— leucoxydon : 143/4, /5C

— microcarpa : 143/4

— obliqua : 143/3C, /4C, /6C

— pauciflora (Snow Gum) : 143/64C, /66C

— — subsp. niphophila : 143/52

— regnans : (Swamp Gum/Mountain Ash) : 142/40

— socialis : 143/5

— vernicosa (Varnished Gum) : 142/40

— — flowers, leaves : 142/40C

**Euphorbia** 'Blue Haze' (E. seguieriana subsp. niciciana hybrid) : 167/4

— chacarias : 134/25C

— collina : 144/22, /35C

— ferganensis : 140/23

— marginata : 137/47C

— nicaeensis : 167/4, /5C

— pekinensis : 135/49

— rapulum : 140/23; 166/16

**Euphrasia** (Orobanchaceae) : 144/15

— Chilean endemics : 144/16

— distribution : 144/16, /50

— hemiparasitism : 144/46

— hybrid swarm : 144/16, /25, /26, /42C, /43C, /44C, /47

— — habitat : 144/42C

— hybridization : 144/15, /16

— nothospecies : 144/16

— polyphyletic : 144/14

— taxonomy : 144/15-16

— sect. Trifidae : 144/15, /17, /46

— achibuenonensis : 144/1C, /13-53, /17C, /17\*, /18C

— — associated species & natural hybrids : 144/25, /27

— — conservation status : 144/24-25

— — description : 144/18-19

— — distribution : 144/19

— — ecology : 144/45

— — etymology : 144/24

— — exerted style & stigma : 144/22C

— — habitat : 144/21, /40C, /42C

— — hybrid swarm parent : 144/47

— — inflorescence : 144/21C

— — key : 144/29

— — location : 144/29C, /30C, /41C

— — nothospecies : 144/27

— — orange form : 144/20C

— — phenology : 144/19

— — pollination : 144/46, /47

— — population : 144/24

— — type specimen : 144/23C

— adenota : 144/16

— andicola : 144/17, /22, /25C, /26C, /27, /29, /45

— cockayniana : 144/16

— flavicans : 144/18, /22, /26, /27C, /28C

— gibbsiae subsp. comberi : 142/42C

— — subsp. discolor : 142/42C

— regelii : 179/11

— subexserta : 144/17, /26, /27, /28C, /29

— — habitat : 144/28C

— — possible hybrid : 144/45P

**Eurybia** integrifolia (Ragged Daisy) : 170/27

**Ewartia** meredithae (Rusty Cushion Herb) : 142/43C

**Ewartia nubigena** (Silver Ewartia) : **143/55C**  
 expanded clay aggregate (Leca) : **166/29**  
**Fascicularia** bicolor subsp. canaliculata :  
**144/22**  
**Fatsia polycarpa** : **145/55**  
 fertiliser, organic pelleted (Chrysan) : **166/26C**  
**Ferula kuhistanica** : **135/35**  
 — prangifolia : **169/15, /19C**  
**Fessia** : **160/2, /3, /11, /29, /31**  
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 — key : **160/38-9**  
 — separation from Scilla : **160/10**  
 — taxonomy : **160/11**  
 — assadii : **160/10, /39**  
 — bisotunensis : **160/10, /39**  
 — furseorum : **160/10, /38**  
 — gilanica : **160/11, /12, /31-2\*, /33C, /38**  
 — — bracts : **160/34C**  
 — — conservation status : **160/33**  
 — — distribution : **160/32, /33C**  
 — — etymology : **160/33**  
 — — flower details : **160/35C, /36C**  
 — — habitat : **160/29C, /32**  
 — — holotype (RIG!) : **160/31**  
 — — leaf : **160/37C**  
 — — phenology : **160/33**  
 — — raceme : **160/35C**  
 — — seeds, capsules : **160/37C**  
 — — separation from other Fessia : **160/31C, /32**  
 — gorganica : **160/10, /30C, /31, /32, /38**  
 — — 16IRS-093 : **160/30C**  
 — — distribution : **160/33C**  
 — greilhuberi : **160/10, /31, /38**  
 — hohenackeri : **160/10, /39; 182/48**  
 — khorassanica : **160/10, /38; 176/14C**  
 — olangensis : **113/51-70; 160/10, /29, /31, /39**  
 — — 16IRS-052 : **160/30C**  
 — — WHIR-093 : **160/30C**  
 — — distribution : **160/33C**  
 — parwanica : **160/10, /38**  
 — purpurea : **160/10, /38**  
 — puschkinioides : **160/3, /10, /38; 181/30C, /32; 182/3**  
 — raewskiana : **160/11, /38**  
 — vvedenskyi : **160/11, /38**  
**Festuca** spp., Fergana valley : **140/23**  
 — tianschanica : **179/16**  
 — valesiaca : **179/6, /14, /16**  
**Ficaria** sp. (Iran, Kurdistan) : **151/12**

— kochii : **172/14**  
 — verna : **174/42**  
 fire, biodiversity and vegetation effects :  
**143/48**  
 — 'fuel reduction' : **143/49**  
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*Flora of Israel* ([website](#)) : **151/32**  
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 flow cytometry, genome size : **145/10; 149/100**  
 — propidium iodide : **145/6; 149/96**  
 — standard (**Agave** americana 'Aureomarginata') : **145/6; 149/96**  
 food poisoning : **181/17**  
**Forsythia intermedia** : **134/25C**  
 France : **181/2, /33**  
   Alpes Maritimes : **180/65**  
   Aude : **175/31C, /32, /33, /34, /38, /43**  
   Aveyron : **181/33**  
   — PN des Grandes Causses : **181/33, /34**  
   — — Causse du Larzac : **181/33**  
   — — Gorges du Tarn : **181/33**  
   — — Viaduct de Millau : **181/33C**  
   — — Viala-du-Pas-de-Jaux : **181/33**  
   Bouches-du-Rhône : **175/31C, /33, /34, /35, /36, /37, /38, /39, /40, /41, /42, /43, /44; 180/65**  
   Drôme : **175/31C, /44; 180/50, /82; 181/33, /46**  
   — Barbières : **180/50**  
   — Chemin des Pignes : **180/62**  
   — Col de Bacchus : **180/84, /86**  
   — Col de la Bataille : **180/50**  
   — Col de la Croix : **180/84**  
   — Col de Menee : **180/87**  
   — Col de Valouse : **180/2, /83; 181/46**  
   — Col du Tourniol : **180/50, /58, /62C**  
   — Die : **180/82; 181/46**  
   — Jabron river : **180/82**  
   — Les Combes : **180/50, /63**  
   — Les Ducs : **180/50**  
   — Les Nonières : **180/87**  
   — Montboucher-sur-Jabron (Natura 2000 site) : **180/82**  
   — Montelimar : **180/82**  
   — river Drôme : **181/46**  
   — Rochefort-Samson : **180/50, /62**  
   — Romans-sur-Isère : **180/50**  
   — Roubion river : **175/45; 180/82**  
   — Vallon de Combeau : **180/87, /92, /93C**  
   — Vercors National Park : **180/50, /82,**

/84 ; **181/46**

Hautes-Alpes/Isère, PN des Ecrins, Lac de Julal : **181/62C**, /63

— Orcieres Merlette : **181/56**

Hérault : **175/31C**, /42

Montpellier : **181/45**

Var (Côte d'Azur) : **180/50**, /65, /74

— Ampus : **180/78**

— Bauduen : **180/78**

— Carqueranne : **180/73**

— Le Thoronet : **180/73**

— Plaine des Maures : **180/65C**, /66C

— Toulon : **180/71**

— Tourtour : **180/78**

— Vidauban : **180/65**

**Fragaria vesca** : **179/11**

### **Fritillaria**

— taxonomy, phylogeny : **160/22**

— subgenera : **140/5**

— subgen. *Fritillaria* : **141/3**

— — *Korolkowia* : **141/3**

— — *Liliorhiza* : **141/3**

— — *Rhinopetalum* : **140/2**, /3, /5, /15; **141/3**

— — — bulbs : **140/14C**

— — — distribution : **140/9C**

— — — flowers : **140/13C**

— — — key : **140/24**

— — — seeds : **140/14C**

— *acmopetala* : **135/22**

— *alburyana* : **135/27C**, /28

— *ariana* : **140/9**, /20C, /21C, /25

— — (Turkmenistan) : **140/25C**

— — — bulb : **140/14C**

— — — seeds : **140/14C**

— *aurea* : **135/22**

— *avromanica* : **150/14**

— *baisunensis* : **140/9**, /24; **141/3**

— — (Uzbekistan, Baisun) : **140/18C**

— — (Uzbekistan, Pulkhakim) : **141/4C**

— — (Uzbekistan, Shurab) : **141/5C**

— — — bulb : **140/14C**

— *bucharica* : **135/34C**, /35; **140/9**, /24; **141/3**

— — (Tajikistan, Darwaz) bulb : **140/14C**

— — — flower : **140/13C**

— — — seeds : **140/14C**

— — (Tajikistan, Darwaz & Norak forms) : **140/19C**

— *burnatii* : **167/14**

— *carica* : **135/22**, /23C; **144/65**

— *caucasica* : **141/3**

— — subsp. *syriaca* nom. spirit. : **160/6**

— *crassifolia* : **135/22**

— cf. *crassifolia* : **160/7**

— *dagana* : **141/3**

— *eduardii* : **140/5**

— *ferganensis* : **140/5**; **141/3**, /23, /39, /43

— — (Kyrgyzstan) : **141/39C**, /40C

— — distribution : **141/43D**

— — seedpods : **141/22C**, /23C

— — separation from *F. walujewii* : **141/43**

— — separation from *F. ruthenica* : **141/43**

— *gibbosa* : **140/3**, /9, /11, /20C, /21C, /25; **145/6**; **149/96**; **176/10C**

— — (Armenia, Ararat) seeds : **140/14C**

— — (Iran, Bojnurd) : **140/25C**

— — — bulb : **140/14C**

— — — flower : **140/13C**

— *hajastanica* : **141/3**

— *imperialis* : **148/34**, /35C; **150/14**; **176/10C**

— — cultivars : **165/18**

— — 'Lutea' : **179/28C**, /29C

— — 'Red Knight' : **179/28C**, /29C

— *karelinii* : **140/3**, /5, /9, /11, /15, /20C, /21C, /24

— — (Kazakhstan, Mangystau) : **140/23C**

— — — bulb : **140/14C**

— — — flower : **140/13C**

— — — seeds : **140/14C**

— — (Kyrgyzstan, Batken region) : **140/19C**, /20C

— *kolbintsevii* : **141/2**, /3-45, /12C, /13C, /14C, /16-17\*

— — 12KZ-075 : **141/20C**, /21C, /25C, /26C

— — as cf. *F. walujewii* : **141/25**, /39

— — as *F. ruthenica* : **141/25**

— *kolbintsevii*, distribution : **141/24**

— — etymology : **141/24**

— — filaments & anthers : **141/19C**

— — flower details : **141/17C**, /33C

— — habitat : **141/24**

— — Holotype (12KZ-075) : **141/15C**

— — locality map : **141/23C**

— — perianth segments : **141/18C**

— — phenology : **141/24**

— — seedpods : **141/1C**, /34C, /35C

— — separation from *F. ruthenica* : **141/20**, /31, /35

— — separation from *F. meleagroides* : **141/22**, /34

— — separation from *F. ferganensis* : **141/22**

— — separation from *F. walujewii* : **141/23**

— — separation from *F. ussuriensis* : **141/32**

- — separation from *F. tortifolia* : **141/36**
- — separation from *F. yuminensis* : **141/36**
- — tendrils : **141/31C**
- Fritillaria kotschyana** subsp. *kotschyana* : **147/32**
- *macedonica* (N Macedonia, Jablanica) : **152/22C**
- *maximowiczii* : **141/3**
- *meleagris* : **179/28C; 180/37C**
- *meleagroides* : **141/3, /25, /29**
- — (Kazakhstan, Altai) : **141/30C**
- — (Kazakhstan, Tarbagatai Mountains) : **141/30C**
- — (Ukraine, Donetsk Region) : **141/29C**
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- — — yellow form : **141/30C**
- — seedpods : **141/22C, 34C**
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- — 12KZ-076 (Kazakhstan, Dzungarian Gate) : **141/10C, /11C**
- *pelinaea* : **144/65C**
- *poluninii* : **150/14**
- *raddeana* : **179/26C**
- *roylei* : **135/52**
- *rugilosa* : **140/2, /3-27, /10-11\*, /20C, /21C; 141/3**
- — conservation status : **140/24**
- — distribution : **140/11, /12C**
- — etymology : **140/12**
- — habitat : **140/12**
- — holotype sheet OL 38056 : **140/12, /26C**
- — phenology : **140/12**
- — type locality : **140/4C, /5C, /6C, /7C, /8C**
- — (Kyrgyzstan, Jalal-Abad) flower : **140/13C**
- — (Kyrgyzstan, Osh) : **140/22C**
- — — bulb : **140/14C**
- — — seed capsule : **140/15C**
- — — seeds : **140/14C**
- *ruthenica* : **141/3, /25, /27, /31, /32, /43—**
- (Russia, Penza Region) : **141/28C**
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- — (as **Rhinopetalum** *stenantherum*) : **140/18**
- — (Kazakhstan) : **140/17C**
- — (Kazakhstan, Turkistan) bulb : **140/14C**
- — — flower : **140/13C**
- — — seeds : **140/14C**
- — (Kyrgyzstan, Talas valley) : **140/16C**
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- — (Kazakhstan, Marble Pass) : **141/9C**
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— — 'Max Frei' : **180/10, /11C**

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— — & colour forms : **137/53-57**

— — 'Alba' : **137/54, /56**

— — colour forms : **137/53C, /55C, /56C, /57P**

— — 'Rosea' : **137/54**

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— — habitat : **154/6C**

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— ernestii : **154/10C**

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— muelleriana subsp. muelleriana : **143/68C**

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 — peloponnesiacum (syn. G. altaicum subsp. peloponnesiacum) : **142/76C, /77**  
 — scipetarum (syn. G. shqipetarum) : **142/74, /75, /76C, /83**  
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- Iris** subgen. Hermodactyloides : **181/3**
- subgen. **Iris**, Sect. **Oncocyclus** : **135/31; 146/2, /3-73**
- — — aril : **146/3**
- — — basic cultivation requirements : **146/5**
- — — distribution : **146/4C**
- — — hybrid : **143/77C; 146/26C, /49C, /65C**
- — — morphology : **146/4D, /5**
- — — sp. 'Moleskin iris' (I. meda × I. polakii natural hybrid?) : **146/65C**
- — — taxonomy : **146/5**
- — — Armenia : **146/12-17, /55, /59, /60**
- — — Azerbaijan : **146/12, /14, /15, /18-27, /55, /58**
- — — Egypt, Sinai : **146/50**
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- — — Russia, Dagestan : **146/19**
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- — — Turkmenistan : **146/14, /55**
- — Section **Limnaris** : **169/7**
- — Section **Regelia** : **146/3, /55, /65**
- subgenus **Scorpiris** (**Juno**) : **156/2, /40-41, /42-46; 181/3**
- 'Finola' : **132/56C**
- 'Katharine's Gold' : **132/56C**
- 'Mars Landing' : **132/54C**
- 'North Star' : **132/57C**
- 'Painted Lady' : **132/54C**
- 'Sea Breeze' : **132/54C**
- 'Sunshine' : **132/55C**
- Dwarf bearded (DBI) 'Blue Flirt' : **143/76C**
- — 'Making Eyes' : **143/72C**
- — 'Moon Sundae' : **143/76C**
- — 'Toy Clown' : **143/76C**
- — yellow : **143/77C**
- Pacific Coast hybrid : **134/27C; 143/78C**
- × denticulata 'Happiness' : **132/53C, 55C**
- × hollandica 'Blue Magic' : **134/27C**
- — 'Lion King' : **134/28C**
- — (white cultivar) : **134/23C, /28C**
- spp., Fergana valley : **140/3, /4**
- acutiloba : **146/20C, /62**
- — compact form : **146/19C**
- — subsp. lineolata : **176/11C**
- — subsp. longitepala : **146/62C**
- alberti : **169/7, /8C, /46C**
- albomarginata : **181/3, /23, /24C, /25C, /31C**
- — as I. coerulea : **181/17**
- — habitat : **181/23C**
- antilibanotica : **146/31C, /35C, /41C**
- aphylla : **144/2C**
- assadiana : **146/40C**
- atrofusca : **146/49C**
- atropurpurea : **146/50C**
- aucheri : **150/73; 172/14**
- auranitica (Lava iris) : **146/35C**
- bakeriana : **149/76; 150/34**
- — in habitat : **149/78C**
- barnumiae : **135/31; 146/10C**
- barnumiae f. urmiensis (syn. I. urmiensis) : **135/31; 146/10 /59C**
- — subsp. demawendica (syn. I. demawendica) : **146/63C**
- basaltica : **146/33C, /41C**
- beetle-infested pods : **181/18**
- bismarckiana : **146/32C, /47C, /48C**
- bostrensis : **146/36C, /45C**
- — crosses with I. nigricans : **146/36, /45**
- bucharica : **135/33**
- camillae (I. schelkownikowii × I. iberica natural hybrid?) : **146/21C, /25**
- — habitat : **146/23C**
- — white & yellow form : **146/22C**
- cedreti : **146/30C**
- damascena : **146/38C, /39**

- Iris danfordiae** : **132/51**
- demawendica (syn. *I. barnumiae* subsp. demawendica) : **146/63C**
  - dolichosiphon : **135/49**
  - elegantissima (syn. *I. iberica*, *I. iberica* subsp. elegantissima) : **146/12C, 59C**
  - ewbankiana : **149/76**
  - ferdowsii : **146/55, /65C**
  - flea beetle : **165/15**
  - fosteriana : **176/13C**
  - galatica : **156/40C**
  - — RUDA-059 : **147/6, /7**
  - gatesii : **135/31; 146/7C**
  - graeberiana : **169/43**
  - grossheimii (Armenia, Syunik Province) : **144/92C**
  - hartwegii subsp. hartwegii : **174/22C, /23**
  - haynei (syn. *I. jordana*, *I. giladensis*) : **146/46C, /53C**
  - hermona : **146/42C**
  - histrioides : **132/51**
  - iberica : **146/12, /18C**
  - — blue standards : **146/25C**
  - — subsp. elegantissima : **135/26C, /30C, /31**
  - — subsp. lycotis : **176/11C**
  - — white form or hybrid : **146/24C**
  - kemaonensis : **135/54C**
  - kirkwoodiae : **146/3, /9C, /42C**
  - — subsp. calcaria : **146/9**
  - kolpakowskiana : **181/22**
  - cf. kolpakowskiana : **182/3**
  - korolkowii : **135/39; 181/26C, /32**
  - kuschakewiczii : **166/6C**
  - lineolata (syn. *I. acutiloba* subsp. lineolata) : **146/14C, /55C, /62**
  - — grazed by sheep : **146/19C**
  - — in habitat : **146/27C**
  - — seedpods : **146/1C, /17C**
  - lortetii : **146/33C, /51C**
  - — var. samariae (syn. *I. samariae*) : **146/52C**
  - lycotis (syn. *I. iberica* subsp. lycotis) : **146/13C, /60C**
  - magnifica : **135/33C; 181/18C**
  - mariae : **146/50C**
  - marivanica : **151/12**
  - meda : **146/56C, /57C, /65**
  - medwedewii : **146/27C, /58C**
  - nectarifera : **146/11C**
  - nigricans : **146/36, /43C**
  - nusairiensis : **156/44**
  - orchioides : **135/36**
  - pamphylica : **165/24**
  - paradoxa : **135/31C, /32C; 146/16C, /23C, /27, /61**
  - — dark form ('var. atrata') : **146/15C**
  - — f. choschab (syn. *I. medwedewii*) : **146/27C, /58C, /64C**
  - — — var. ochroleuca : **146/64C**
  - — f. mirabilis : **146/61C, /64**
  - — × *I. lineolata* natural hybrid : **146/26C**
  - [peshmeniana](#) : **156/42C, /44C, /46C**
  - — habitat : **156/45C**
  - — isotype sheet (Kew) : **156/43C**
  - — misnamed as '*I. peshmenii*' : **156/44**
  - — × nusairiensis : **156/46C**
  - persica : **160/7**
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  - 'petrana' in Israel : **146/44**
  - polakii, dwarf form : **146/56C, /65**
  - pskemensis : **181/3, /19C, /20C, /22, /31**
  - reticulata : **150/5**
  - — group : **165/24C**
  - — — growing conditions : **165/21-24**
  - — — ink disease (*Drechslera iridis*/*Bipolaris iridis*) : **165/22C**
  - — — treatment : **165/22**
  - reticulata s.l. : **150/51, /73**
  - — 'White Caucasus' : **132/55C**
  - ruthenica : **169/7, /8C, /24, /25C, /46C**
  - sari : **135/31; 146/6C**
  - shelkownikowii : **146/25C**
  - sisanica : **99/22-36**
  - sopenensis : **132/52**
  - sopenensis × *Iris danfordiae* : **132/52C**
  - sprengeri : **146/8C**
  - stenophylla subsp. stenophylla : **156/40, /41C**
  - susiana (syn. *I. grandiflora*, *I. kasruwana*, *I. sofarana*) : **146/28C, /29C**
  - swensoniana : **146/37C**
  - unguicularis 'Mary Barnard' : **164/25, /27C**
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— subgen. Leopoldia : **147/3, /4**  
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— massayanum (basonym of Leopoldia massayana) : **134/3, /4C, /5, /6, /9, /10; 147/15**  
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— mirum (basonym of Leopoldia mirum) : **147/15**  
— muglaensis (basonym of Leopoldia muglaensis) : **147/15**  
— cf. neglectum 'Baby's Breath' (now M.

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[Silverhill Seeds](#) (South Africa, Cape Town) :  
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— cambessedesii : **143/81C**

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— — 'Moonlight Sonata' : **139/9, /11C**

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 — — — inflorescence : 160/21C  
 — — — separation from *P. peshmenii* : 160/23  
 — avromanica : 150/12, /13-15\*, /27, /35, /38, /39, /42; 160/28; 172/14  
 — — 18IRS-026 : 150/12, /15C, /16C, /20C, /21C, /22C, /40C; 160/8C  
 — — 22IRS-097 : 150/23C  
 — — WHIR-185 : 150/13  
 — — bulbs : 150/18C

- — characteristic style : **150/17C**
- — conservation status : **150/15**
- — distribution : **150/11C**, /14, /**19C**, /43, /44; **160/28**
- — etymology : **150/15**
- — flower : **150/21C**
- — fruits : **150/18C**, /**23C**
- — habitat : **150/14**, /**19C**, /**20C**
- — holotype (GB!) : **150/21C**
- — isotype (RIG!) : **150/22C**
- — phrenology : **150/15**
- — seeds : **150/21C**
- — separation from *P. scilloides* : **150/14**, /24
- Puschkinia bilgineri** (syn. *P. kurdica*) : **150/4**, /6C, /41, /42; **160/5**, /7, /28
- — JRRK-058 : **160/6C**
- — distribution : **150/43**, /44; **160/27**
- — separation from *P. scilloides* : **160/7**
- hyacinthoides : **150/5**; **160/3**
- — WHIR-126 : **160/4**
- kurdistanica : **150/4**, /42, /43; **160/28**
- — BATM-060 : **150/6C**; **160/7C**, /8
- — — as *P. peshmenii* : **160/7**
- — distribution : **150/43**, /44; **160/27**
- — separation from *P. peshmenii* : **160/8**
- latifolia : **150/12**, /**24C**, /28, /29-30\*, /31, /42; **160/8**, /28
- — bracts : **150/33C**
- — bulbs : **150/33C**
- — conservation status : **150/30**
- — distribution : **150/11C**, /30, /43; **160/28**
- — etymology : **150/30**
- — flower : **150/31C**, /**32C**
- — fruits : **150/32C**
- — habitat : **150/30**
- — holotype (GB!) : **150/28C**
- — leaf : **150/26C**, /**27C**
- — phrenology : **150/30**
- — seeds : **150/32C**
- — separation from *P. scilloides* : **150/30**
- — SLIZE-066 (N Iran, Central Alborz) : **150/25C**, /26, /27, /28; **160/9C**
- libanotica (syn. *P. scilloides*) : **150/5**; **160/3**
- parvula : **150/12**, /36, /37-38\*, /42; **160/8**, /28
- — 18IRS-060B (NW Iran, W Mahabad) : **150/34**, /**37C**, /**40C**
- — 22IRS-050 (NW Iran, W Agh Bolagh) : **150/44C**
- — 22IRS-077 (NW Iran, Lake Urmia basin) :

- 150/35**, /**36C**; **160/10C**
- — conservation status : **150/39**
- — distribution : **150/11C**, /39, /**41C**, /43, /44; **160/28**
- — etymology : **150/39**
- — fruits : **150/38**, /**39C**
- — habitat : **150/34C**, /39
- — holotype (RIG!) : **150/36C**
- — phrenology : **150/39**
- — seeds : **150/38**, /**39C**
- — separation from *P. avromanica* : **150/38**
- — separation from *P. scilloides* : **150/38**
- peshmenii : **150/41**, /43; **160/6**, /13, /14, /22, /28
- — Rix et al. 1624 : **160/5C**, /6, /**24C**
- — — flower structure : **160/26C**
- — — flowers : **160/25C**
- — Rix et al. 1926 : **160/5**, /6, /**21C**
- — — [herbarium sheet](#) : **160/6**
- peshmenii s.l. : **150/4**, /**5C**
- cf. peshmenii (22IRS-082) : **150/5**, /**7C**
- — distribution : **150/4**, /43, /44; **160/21C** /27
- scilloides : **135/28C**; **150/3**, /5, /26, /27, /34, /38, /39, /42, /43; **160/3**, /5, /6, /7, /22, /23, /27, /28
- — distribution : **160/27**
- — inflorescence : **160/4C**
- scilloides s.l., distribution : **150/5**, /**11C**, /43, /44
- scilloides (Armenia, Zangezur Mts.) : **150/10C**, /24
- — 14ARM-037 (Armenia, near Vanadzor) : **150/24**
- — 14ARM-042 (Armenia, near Geghard) : **150/24**
- — 18IRS-072B (NW Iran, Kuhha-ye Sabalan) : **150/9C**, /13, /24, /26
- — BATM-089 (Turkey, Güzeldere Pass) : **150/24**
- — BATM-148 (Turkey, Tendürek Pass) : **150/7C**, /24
- — CMGG-028 (Georgia, Devdaraki valley) : **150/9C**, /24
- — KPPZ 90-221 (Turkey, Tunceli-Erzincan) : **150/7C**, /30
- — WHIR-126 (NW Iran, Kūhhā-ye Jālesh) : **150/8C**, /13, /24, /26, /30
- — — leaf : **150/27C**
- — WHIR-151 (NW Iran, Takht-e Soleyman Massif) : **150/10C**, /24

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**Puya** aplestris : **173/3**  
 — chilensis : **143/93C**  
 — raimondii : **154/3, /4C, /5**  
 — — habitat : **154/3C, /5C**  
 — — pollination : **154/5**

**Pyrethrum** leontopodium : **179/17, /18**  
 — pyrethroides : **179/11**

**Pyrorchis** nigricans : **143/47C**

**Pyrocoma** uniflora (syn. **Happlopappus** uniflora) : **172/30-31, /30C, /31C**  
 — — variability : **172/30**

**Pyrus** korshinskyi : **169/6**  
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 — kelloggii (California Black Oak) : **170/9, /10**  
 — macranthera : **150/30; 160/32**  
 — robur : **169/6**  
 — vacciniifolia (Huckleberry Oak) : **170/9, /20, /33, /34**

**Quinchamalium** chilense : **173/30**  
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 — covers : **153/42, /43, /44, /51C**  
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**Ramonda** : **139/37, /38, /46**  
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 — myconi : **139/41, /44, /46**  
 — nathaliae JCA 686 : **177/5C**

**Ranorchis** : **143/25**

**Ranunculus** alberti : **179/14, /15C, /16**  
 — glacialis : **164/33**  
 — gunnianus (Gunn's Buttercup) : **142/63C**  
 — kuepferi : **181/61C**  
 — occidentalis var. ultramontanus (Western Buttercup) : **170/26**  
 — orthorhynchus var. orthorhynchus (Straight-beaked Buttercup) : **170/22**  
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 — songaricus : **179/14**  
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**Raoulia** australis : **153/43**  
 — eximia : **154/5**  
 — hectorii var. hectorii : **178/10C**

Red Arrows : **180/8C**

**Restio** australis : **142/5**

**Rheum** nobile : **135/47C, /49**  
 — spiciforme : **179/17**

**Rhinanthus** songaricus : **179/11**

**Rhinotropis** cornuta var. cornuta (Sierra Milkwort) : **174/23C**

**Rhipsalis** baccifera : **137/5, /6C**

**Rhodanthe** anthemoides (Chamomile Sunray) : **143/70C**

**Rhodiola** coccinea : **179/16, /17C**  
 — gelida : **179/16**  
 — linearifolia : **179/16, /17C**  
 — rosea : **170/41C**

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 — 'Sir Nigel' : **177/27**  
 — 'Snow Lady' : **179/24C, /25C, /27C**  
 — 'Tortoiseshell Orange' : **137/8C**  
 — arboreum 'Tony Schilling' : **133/33C**  
 — calophytum : **177/2; 180/32**  
 — caucasicum hyb. 'Christmas Cheer' : **180/32**  
 — edgeworthii : **133/33C**  
 — Ghent deciduous azalea hybrids : **180/32**  
 — — 'Irene Koster' : **180/32, /33C**  
 — keleticum 'Rock's Form' : **153/44**  
 — luteum : **180/32, /33C**  
 — occidentale : **174/18C; 180/32**  
 — ponticum : **174/42**  
 — viscosum var. glaucum : **180/34C**  
 — wardii : **135/42, /43C**

**Rhodohypoxis** baurii : **153/44**

**Rhodolirium** montanum : **173/32C**

**Rhodophiala** andina : **132/23C**

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**Rosa** (Hybrid Tea) 'Mountbatten' : **137/13C**  
 — — 'Sugar Moon' : **137/12C**  
 — (Polyantha) 'Smoke Rings' : **137/12C**  
 — alberti : **179/9, /10C**  
 — banksiae : **134/35C**  
 — beggeriana : **169/7**  
 — damascena : **146/34C**  
 — fedtschenkoana : **179/9**  
 — gymnocarpa : **174/15**  
 — kokanica : **169/7C**  
 — laxa : **169/7C**  
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 — purpurea 'Royal Purple' : **133/41C**

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 — parvus ('Creeping Lawyer') : **134/42C, /43C**  
 — squarrosus : **134/46C, /47C**  
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- — — measurements : **174/38C**
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  - (*Othocallis*) *siberica* : **160/11**
  - (*Chionodoxa*) 'Pink Giant' : **180/15**
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- Sciurus** *vulgaris* ssp. *exalbidus* (Siberian Red Squirrel) : **179/20C**
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- bertolonii : **167/15**
- — confused with *V. corsica* : **167/15**
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- calcarata : **167/11**, /15
- — subsp. *zoysii* : **167/15**
- — — distribution : **167/15**
- — 'var. dubyana' : **167/11**
- canina, with peacock butterfly : **153/28C**
- cenisia : **167/12**, /13; **177/7**
- chamaedrys : **132/4**, /46C; **134/31C**;  
**138/19**, /24, /40C; **153/24C**, /25
- collina : **166/15C**
- columnaris : **145/43**
- comberi : **145/43**
- comollia : **167/12**
- congesta : **153/27C**; **167/22C**, /23C
- — F&W11093 : **156/21C**
- — F&W12642 : **156/21C**
- coronifera : **145/43**
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- — F&W10613 : **156/31C**
- — F&W11251 : **156/30C**, /31C, /32C
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- doerfleri : **167/15**, /17C, /18; **177/8C**
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- — imposters : **167/3, /13**
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- farkasiana : **145/16, /18C**
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- — flower : **144/39C**
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- gracilis : **167/18C**
- graeca : **167/17C**
- grisebachiana : **177/21C**
- — distribution : **177/20**
- — white morph : **177/22C**
- guatemalensis : **167/21**
- hallii : **167/20C**
- hieronymi : **145/43**
- latispala, as syn. for *V. schariensis* : **177/6**
- leyboldiana : **145/43**
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- — subsp. lobata : **170/32; 174/25, /26C**
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- — corolla spur : **145/23, /37C**
- — damage : **145/17C**
- — description : **145/23\***
- — distribution map : **145/25**
- — etymology : **145/25**
- — F&W 11610 : **145/23**
- — F&W 11904 (holotype) : **145/22**
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- — lamina : **145/23, /35C**
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- — colour variants : **177/8C, /9C, /18C, /20C**
- — distribution : **177/6**
- — in habitat : **177/14C, /20C**
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- — distribution : **153/15C**

— — F&W11090 : **156/17C**  
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— — F&W 11428 : **174/47C**  
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