



Delectus seminum

Hortus Botanicus Alpinus “Viole”

n° 49 - 2022

**MUSE - Science Museum
Trento. Italy**


**Giardino Botanico
Alpino Viole
Monte Bondone**


MUSE
La rete dei Musei della
Scienza in Trentino



Hortus Botanicus Alpinus “Viole”

Viole Alpine Botanical Garden is one of the oldest and largest alpine gardens in Italy. It was founded in the late 1930's to promote environmental education and to contribute to the conservation of the alpine flora. Since its inception, the Garden was developed as part of Trento Science Museum, now MUSE, an extensive network of science and nature museums in Trentino, NE Italy.

“Viole” is an area well known for its unique grasslands that naturally host a very diverse flora, being the ideal setting for an alpine garden. Located at an altitude of about 5,000 feet above the sea level, the Botanical Garden faces south and is naturally rich in water, thanks to a neighbouring peat bog. Over 1,000 species of alpine plants are currently cultivated in the Garden. They are native of the major mountains of the world. Medicinal plants and endangered native taxa are a special focus of the Garden.

Viole Alpine Botanical Garden contributes to biodiversity conservation growing, propagating and banking the seeds of endangered plants native of the Eastern Italian Alps.

The central rock garden covers approximately 2 acres and is surrounded by woods and meadows for other 25 acres, where a nature trail guides the visitor through the most significant alpine habitats (flower-rich grasslands, forests, alpine shrubs and peat bogs) and the most common trees (beech, scots pine, rowan, arolla pine, larch and birch) that are explained in detail.

A panoramic point along the nature trail allows a breath-taking view over the Brenta Dolomites, the famous limestone massif. Other points of interest include arable fields with neglected and underutilized crops, a local vegetable garden and additional information on plant adaptation at high altitude engaging the senses.

Every summer Viole Alpine Botanical Garden offers to its visitors a rich programme of entertaining and educational events. Among the others, various workshops exploring different plant species and their uses engaging the senses.

In tabula: *Daphne mezereum* L.

Site details

Area covered: 10 hectares
Latitude: 46° 01' 22" N
Longitude: 11° 02' 16" E
Altitude: 1.540 m a.s.l.

Opening hours

June, July & August: 9 am - 6 pm
September: 9 am - 5 pm

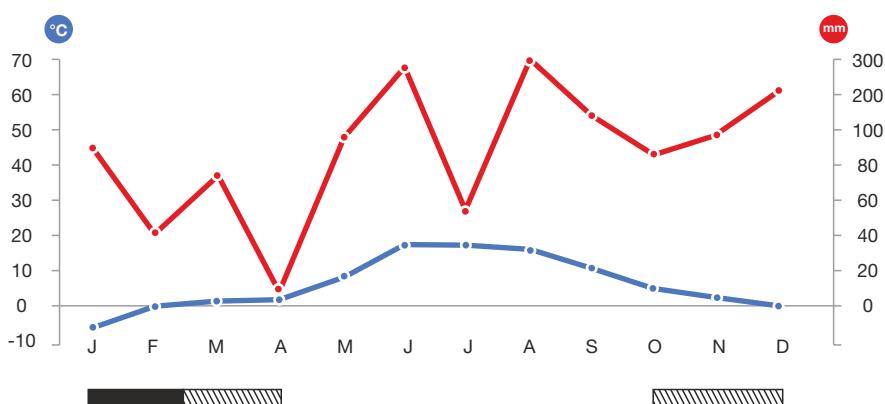
Climatic data 2021

Annual mean temperature: 5,7 °C
Absolute maximum temperature (14.08.21): 24,6 °C
Absolute minimum temperature (15.02.21): -14,1 °C
Mean daily maximum temperature of the warmest month (August): 14,6 °C
Mean daily minimum temperature of the coldest month (January): -4,3 °C
Certain frost (mean daily minimum temperature below zero): J F
Possible frost (some daily minimum temperature below zero): M A O N D
Total rainfall: 1.457,2 mm

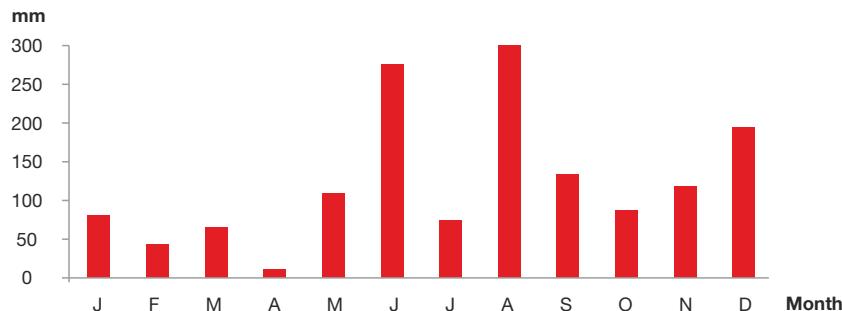
Ombothermic diagram for 2021

Viole Alpine Botanical Garden
Monte Bondone

1.540 m.s.l.
5,7 °C
1.457,2 mm



Rainfall 2021



Month	Mean temperature °C	Rainfall mm
January	-4,3	85
February	-0,2	43
March	0,8	72,8
April	2,3	12,2
May	6,9	98,4
June	14,3	268
July	14,6	57
August	13,7	298,4
September	11,5	129,2
October	6	88,6
November	2,4	110,4
December	0,1	194,2
Annual mean temperature	5,7 °C	
Total rainfall		1.457,2 mm

Literature

Cullen J. *et al.*, 1984-2000 - The European Garden Flora. Cambridge University Press.
Beckett K., 1993 - Encyclopaedia of Alpines. Alpine Garden Society, Pershore.
Tutin T.G. *et al.*, 1964-1980 - Flora Europaea. Cambridge University Press.
Huxley *et al.*, 1992 - The New RHS Dictionary of Gardening. MacMillan, London.
Pignatti S., 1982 - Flora d'Italia. Edagricole.

Staff

Franco Pedrotti, *Botanices Professor*
Costantino Bonomi, *Horti curator*
Lisa Angelini, *Horti curator adiunctus*
Emilio Coser, *Hortulanus Primarius*
Francesco Rigotti, *Hortulanus*

Delectus seminum 2022

*quae Hortus Botanicus Alpinus "Viole" Musei Scientiarum pro mutua
commutatione offert.*

Semina in Horto Botanico collecta

Pan-European seed list search keyword: seminumsystem2022

- | | | | |
|-----|---|-----|---|
| 3 | Achillea clavennae L. XXOTR20072008 | 38 | Astrantia major L. XXOTR20060222 |
| 8 | Aconitum anthora L. ITOTR20083001 | 39 | Athamanta cretensis L. XXOTR20083021 |
| 6 | Aconitum lycoctonum L. s.l. XXOTR20060038 | 42 | Caltha palustris L. XXOTR20060249 |
| 7 | Aconitum napellus L. XXOTR20060043 | 225 | Campanula alliariifolia Willd. XXOTR20094008 |
| 250 | Aethionema grandiflorum Boiss. & Hohen.
XXOTR20150250 | 44 | Campanula carpatica Jacq. XXOTR20060255 |
| 11 | Allium fistulosum L. XXOTR20083017 | 287 | Campanula lactiflora M.Bieb. XXOTR20190287 |
| 9 | Allium schoenoprasum L.
var. <i>sibiricum</i> (L.) Garcke XXOTR20060089 | 46 | Campanula latifolia L. XXOTR20083019 |
| 10 | Allium victorialis L. XXOTR20060096 | 43 | Campanula speciosa Pourr. XXOTR20083022 |
| 239 | Alyssoides utriculata (L.) Medik. XXOTR20120239 | 45 | Campanula thrysoides L. XXOTR20060266 |
| 13 | Alyssum argenteum All. XXOTR20060099 | 274 | Centaurea ambigua Guss. XXOTR20180274 |
| 14 | Alyssum montanum L. XXOTR20060100 | 48 | Centaurea macrocephala Muss.Puschk. ex Willd.
XXOTR20060280 |
| 15 | Alyssum saxatile L. XXOTR20060101 | 227 | Centaurea orientalis L. XXOTR20094005 |
| 16 | Androsace carnea L. XXOTR20060109 | 237 | Centaurea pulchra DC. XXOTR20110237 |
| 17 | Androsace lactea L. XXOTR20060111 | 49 | Centaurea scabiosa L. XXOTR20060284 |
| 18 | Anemone multifida Poir. XXOTR20060125 | 273 | Centaurea tenoreana Willk. XXOTR20180273 |
| 19 | Anemone narcissiflora L. XXOTR20060126 | 50 | Cephalaria gigantea (Ledeb.) Bobrov XXOTR20060289 |
| 21 | Antennaria rosea (D.C.Eaton) Greene
XXOTR20072012 | 251 | Cerastium tomentosum L. XXOTR20150251 |
| 22 | Anthemis montana L. XXOTR20060136 | 265 | Cerithide minor L. ssp. <i>auriculata</i> (Ten.) Domac
XXOTR20170265 |
| 23 | Anthyllis vulneraria L. XXOTR20060141 | 51 | Chenopodium bonus-henricus L. ITOTR20060305 |
| 271 | Aquilegia atrata Koch XXOTR20180271 | 275 | Cicerbita alpina (L.) Wallr. XXOTR20180275 |
| 264 | Arabis alpina L. s.l. XXOTR20170264 | 53 | Cimicifuga foetida L. XXOTR20060316 |
| 52 | Armeria alliacea (Cav.) Hoffmanns. & Link.
XXOTR20094011 | 288 | Cirsium purpuratum (Maxim.) Matsum. XXOTR20190288 |
| 30 | Armeria maritima (Mill.) Willd.
ssp. <i>alpina</i> (Willd.) P. Silva XXOTR20060175 | 252 | Clematis recta L. XXOTR20150252 |
| 31 | Artemisia borealis Pall. XXOTR20060186 | 289 | Dactylorhiza fuchsii (Druce) Soó ITOTR20190289 |
| 32 | Artemisia chamaemelifolia Vill. XXOTR20060187 | 60 | Delphinium elatum L. XXOTR20060367 |
| 33 | Aruncus dioicus (Walter) Fernald
ITOTR20060194 | 61 | Dianthus deltoides L. XXOTR20060373 |
| 238 | Asphodelus albus Mill. XXOTR20120238 | 62 | Dianthus petraeus Waldst. & Kit. XXOTR20060384 |
| 34 | Aster alpinus L. XXOTR20060200 | 245 | Dianthus furcatus Balb. XXOTR20130245 |
| 35 | Astragalus centralpinus Braun-Blanq.
XXOTR20060217 | 277 | Dianthus gratianopolitanus Vill. XXOTR20180277 |
| 36 | Astragalus glycyphyllos L. XXOTR20060219 | 64 | Digitalis grandiflora Mill. XXOTR20060396 |
| | | 65 | Digitalis lutea L. ITOTR20060399 |
| | | 66 | Digitalis parviflora Jacq. XXOTR20060400 |
| | | 67 | Digitalis purpurea L. XXOTR20060401 |

- 68 *Dracocephalum ruyschiana* L. XX0TR20060418
 69 *Dryas drummondii* Richardson ex Hook. XX0TR20060419
 70 *Dryas octopetala* L. XX0TR20060420
 71 *Drypis spinosa* L. XX0TR20060423
 72 *Echinops exaltatus* Schrad. XX0TR20060428
 228 *Edraianthus graminifolius* (L.) A. DC. XX0TR20094001
 73 *Epilobium angustifolium* L. XX0TR20060434
 75 *Erinus alpinus* L. XX0TR20060448
 76 *Eriophyllum lanatum* (Pursh) J.Forbes XX0TR20060457
 77 *Eryngium alpinum* L. XX0TR20060452
 78 *Eryngium bourgatii* Gouan XX0TR20060454
 254 *Eryngium giganteum* M.Bieb. XX0TR20150254
 236 *Erysimum aurantiacum* (Leyb.) Leyb. IT0TR20100236
 282 *Fraxinus excelsior* L. XX0TR20180282
 79 *Fritillaria pallidiflora* Schrenk. XX0TR20060482
 81 *Genista sagittalis* L. XX0TR20060495
 82 *Gentiana asclepiadea* L. IT0TR20060497
 83 *Gentiana cruciata* L. XX0TR20060498
 84 *Gentiana dinarica* Beck. XX0TR20072003
 85 *Gentiana farreri* Balf. f. XX0TR20060501
 86 *Gentiana lutea* L. IT0TR20060518
 266 *Gentiana lutea* L.
 ssp. *symphyandra* (Murb.) Hayek XX0TR20170266
 281 *Gentiana paradoxa* Albov XX0TR20180281
 87 *Gentiana septemfida* Pall. XX0TR20083004
 88 *Gentiana tibetica* King ex Hook.f. XX0TR20060515
 242 *Geranium pratense* L. XX0TR20120242
 90 *Geranium pyrenaicum* Burm.f. XX0TR20060535
 91 *Geum coccineum* Sibth. et Sm. XX0TR20060544
 94 *Globularia cordifolia* L. XX0TR20060552
 95 *Globularia nudicaulis* L. XX0TR20060553
 97 *Gypsophila repens* L. XX0TR20060562
 98 *Gypsophila tenuifolia* M. Bieb. XX0TR20060563
 99 *Helianthella quinquenervis* (Hook.) A.Gray
 XX0TR20060569
 100 *Helianthemum apenninum* (L.) Mill.
 XX0TR20083013
 241 *Helianthemum nummularium* (L.) Mill.
 XX0TR20120241
 101 *Hemerocallis lilioasphodelus* L. XX0TR20060584
 103 *Hesperis matronalis* L. XX0TR20060597
 104 *Hieracium aurantiacum* L. XX0TR20060600
 105 *Hieracium glaucum* All. XX0TR20060602
 106 *Hieracium intybaceum* All. XX0TR20060603
 107 *Hieracium lanatum* Vill. XX0TR20060604
 108 *Hieracium pilosella* L. XX0TR20060605
 109 *Hieracium porrifolium* L. XX0TR20060606
 110 *Hieracium villosum* Jacq. XX0TR20060608
 111 *Horminum pyrenaicum* L. XX0TR20060611
 113 *Hypericum olympicum* L. XX0TR20072006
 114 *Hypericum orientale* L. XX0TR20060623
 115 *Hypericum perforatum* L. XX0TR20060624
 116 *Hypochaeris facchiniana* Ambrosi IT0TR20060628
 117 *Hyssopus officinalis* L. XX0TR20060630
 118 *Incarvillea mairei* (H.Lév.) Grierson
 XX0TR20060637
 119 *Incarvillea zhongdianensis* Grey-Wilson
 XX0TR20060640
 120 *Inula hirta* L. XX0TR20060643
 122 *Iris graminea* L. XX0TR20060660
 124 *Iris missouriensis* Nutt. XX0TR20060663
 290 *Iris pallida* Lam. XX0TR20190290
 229 *Iris sanguinea* Donn ex Hornem. XX0TR20094004
 125 *Iris setosa* Pall. ex Link. XX0TR20060670
 126 *Iris sibirica* L. XX0TR20060672
 127 *Iris spuria* L. XX0TR20060685
 129 *Isatis tinctoria* L. XX0TR20060688
 130 *Jasione laevis* Lam. XX0TR20060690
 131 *Knautia drymeia* Heuff. XX0TR20060701
 284 *Larix decidua* Mill. XX0TR20180284
 278 *Leontodon hispidus* L. XX0TR20180278
 133 *Leontopodium alpinum* Colm. ex Cass.
 IT0TR20060710
 134 *Leonurus cardiaca* L. XX0TR20060721
 135 *Levisticum officinale* W.D.J.Koch
 XX0TR20060728
 267 *Lilium pyrenaicum* Gouan XX0TR20170267
 291 *Linaria alpina* (L.) Mill. XX0TR20190291
 137 *Linaria dalmatica* (L.) Mill. XX0TR20060785
 138 *Linaria purpurea* (L.) Mill. XX0TR20060787
 139 *Linum alpinum* Jacq. XX0TR20060792
 292 *Lonicera xylosteum* L. XX0TR20190292

- *140 *Lupinus polyphyllus* Lindl. XXOTR20060809
- 141 *Lychnis flos-jovis* (L.) Desr. XXOTR20060812
- 142 *Lychnis viscaria* L. XXOTR20060813
- 144 *Malva moschata* L. XXOTR20060822
- 146 *Meconopsis cambrica* (L.) Vig. XXOTR20060826
- 268 *Meconopsis horridula* Hook. f. & Thomson
XXOTR20170268
- *147 *Mimulus guttatus* DC. XXOTR20060842
- 148 *Minuartia laricifolia* (L.) Schinz et Thell.
XXOTR20060847
- 149 *Morina longifolia* Wall. ex DC.
XXOTR20060854
- 150 *Myrrhis odorata* (L.) Scop. XXOTR20060857
- 152 *Nepeta racemosa* Lam. XXOTR20060866
- 158 *Papaver alpinum* s.l. XXOTR20060908
- 240 *Papaver apokrinomenon* Fedde XXOTR20120240
- 159 *Papaver atlanticum* Coss. XXOTR20060911
- 160 *Papaver lateritium* K.Koch XXOTR20060914
- 161 *Papaver nudicaule* L. XXOTR20060915
- 162 *Papaver orientale* L. XXOTR20060917
- 163 *Pastinaca sativa* L. XXOTR20083010
- 164 *Pentstemon fruticosus* (Push) Greene
XXOTR20060928
- 165 *Pentstemon serrulatus* Menzies ex Sm.
XXOTR20060931
- 166 *Peucedanum ostruthium* (L.) W.D.J.Koch
ITOTR20060936
- 167 *Peucedanum rablense* W.D.J.Koch
XXOTR20060937
- 168 *Peucedanum verticillare* (L.) W.J.D.Koch ex DC.
ITOTR20060938
- 169 *Podophyllum hexandrum* Royle XXOTR20060980
- *170 *Polemonium caeruleum* L. XXOTR20060986
- 279 *Polygonum bistorta* L. XXOTR20180279
- 171 *Potentilla alchimiilloides* Lapeyr. XXOTR20061005
- 231 *Potentilla arguta* Pursch. XXOTR20094012
- 172 *Potentilla atrosanguinea* G.Lodd. ex D.Don
XXOTR20061009
- 174 *Potentilla grandiflora* L. XXOTR20061021
- 175 *Potentilla pennsylvanica* L. XXOTR20061029
- 176 *Potentilla purpurea* (Royle) Hook. f.
XXOTR20061030
- 177 *Potentilla recta* L. XXOTR20061032
- 178 *Potentilla rupestris* L. XXOTR20061034
- 179 *Primula auricula* L. XXOTR20061040
- *180 *Primula florindae* Kingdon-Ward
XXOTR20061049
- 183 *Pulsatilla rubra* (Lam.) Delarbre XXOTR20061077
- 248 *Rhaponticum gr. scariosum* XXOTR20130248
- 186 *Rheum palmatum* L. XXOTR20061100
- 263 *Rhodiola rosea* L. XXOTR20160263
- 255 *Rhodothamnus chamaecistus* (L.) Rchb.
XXOTR20150255
- 256 *Rosa pimpinellifolia* L. XXOTR20150256
- 188 *Rosa rugosa* Thunb. XXOTR20061148
- 189 *Rosa villosa* L. XXOTR20061155
- 285 *Rosa glauca* Pourr. XXOTR20180285
- 286 *Rosa virginiana* Mill. XXOTR20180286
- 190 *Rudbeckia hirta* L. XXOTR20061415
- 280 *Rumex alpinus* L. XXOTR20180280
- 191 *Salvia glutinosa* L. ITOTR20061174
- 192 *Salvia przewalskii* Maxim. XXOTR20061176
- 193 *Sanguisorba dodecandra* Moretti
XXOTR20083009
- 194 *Sanguisorba minor* Scop. XXOTR20061185
- 195 *Saponaria caespitosa* DC. XXOTR20061188
- 196 *Saussurea discolor* (Willd.) DC. XXOTR20061194
- 198 *Saxifraga exarata* Vill. XXOTR20061206
- 199 *Saxifraga hostii* Tausch XXOTR20061208
- 243 *Saxifraga mutata* L. XXOTR20170243
- 200 *Saxifraga paniculata* Mill. XXOTR20072005
- 201 *Saxifraga rotundifolia* L. XXOTR20061219
- 261 *Saxifraga pensylvanica* L. XXOTR20170261
- 202 *Scabiosa columbaria* L. XXOTR20061224
- 203 *Scabiosa graminifolia* L. XXOTR20061225
- 232 *Scopolia carniolica* Jacq. XXOTR20094010
- 204 *Sedum kamtschaticum* Fisch XXOTR20061237
- 249 *Sempervivum montanum* L. XXOTR20140249
- 233 *Senecio adonisifolius* Loisel. XXOTR20094006
- 206 *Sibbaldia procumbens* L. XXOTR20061258
- 234 *Sideritis glacialis* Boiss. XXOTR20094002
- 207 *Sideritis hyssopifolia* L. XXOTR20061260
- 257 *Sideritis syriaca* L. XXOTR20150257
- 208 *Silene ciliata* Pourr. XXOTR20061264
- 270 *Silene uniflora* Roth ssp. *glareosa* (Jord.)
Chater & Walters XXOTR20170270

- 258 *Silene viridiflora* L. XX0TR20150258
 259 *Silene vulgaris* (Moench) Garcke IT0TR20150259
 209 *Silene zawadzkii* Herbich XX0TR20061270
 210 *Sisyrinchium angustifolium* Mill. XX0TR20061273
 247 *Solidago virgaurea* L. XX0TR20130247
 211 *Spiraea salicifolia* L. XX0TR20083016
 212 *Stachys alopecuros* (L.) Benth. XX0TR20061299
 260 *Stachys officinalis* (L.) Trevis. XX0TR20150260
 215 *Tanacetum corymbosum* (L.) Sch.Bip. XX0TR20083011
 214 *Tanacetum parthenium* (L.) Sch.Bip. XX0TR20072001
 *216 *Telekia speciosa* (Schreb.) Baumg. XX0TR20061318
 217 *Thalictrum delavayi* Franch. XX0TR20061323
 218 *Thalictrum foetidum* L. XX0TR20061324
 219 *Tiarella cordifolia* L. XX0TR20061328
 220 *Trollius chinensis* Bunge XX0TR20083007
 221 *Trollius pumilus* D.Don XX0TR20061351
 235 *Veratrum nigrum* L. XX0TR20094007
 222 *Verbascum thapsus* L. XX0TR20061378
 223 *Veronica fruticulosa* L. XX0TR20061387
 224 *Wulfenia carinthiaca* Jacq. XX0TR20061409

***Semina ex locis natalibus collecta*
(Monte Bondone)**

Pan-European seed list search keyword:
seminumwild2022

- 334 *Achillea millefolium* L. IT0TR20190334 (1570 m a.s.l.)
 335 *Actaea spicata* L. IT0TR20190335 (1700 m a.s.l.)
 313 *Anthyllis vulneraria* L. IT0TR20170313 (1534 m a.s.l.)
 342 *Aquilegia atrata* Koch IT0TR20200342 (1100 m a.s.l.)
 336 *Arctostaphylos alpina* (L.) Spreng. IT0TR20190336 (1935 m a.s.l.)
 314 *Arnica montana* L. IT0TR20170314 (1534 m a.s.l.)
 337 *Clematis alpina* (L.) Mill. IT0TR20190337 (1940 m a.s.l.)
 344 *Dactylorhiza maculata* (L.) Soó IT0TR20200344 (1460 m a.s.l.)
 345 *Digitalis lutea* L. IT0TR20200345 (1250 m a.s.l.)
 315 *Geum rivale* L. IT0TR20170315 (1545 m a.s.l.)
 316 *Gypsophila repens* L. IT0TR20170316 (2125 m a.s.l.)
 331 *Helianthemum nummularium* (L.) Mill. IT0TR20180331 (1965 m a.s.l.)
 317 *Heracleum sphondylium* L. IT0TR20180317 (1540 m a.s.l.)
 338 *Heracleum sphondylium* L. IT0TR20190338 (1818 m a.s.l.)
 318 *Hypochaeris uniflora* Vill. IT0TR20170318 (1544 m a.s.l.)
 319 *Lilium martagon* L. IT0TR20170319 (1569 m a.s.l.)
 346 *Lilium martagon* L. IT0TR20200346 (770 m a.s.l.)
 339 *Lonicera nigra* L. IT0TR20190339 (1790 m a.s.l.)
 320 *Paradisea liliastrum* (L.) Bertol. IT0TR20170320 (1551 m a.s.l.)
 340 *Paris quadrifolia* L. IT0TR20190340 (1700 m a.s.l.)
 321 *Parnassia palustris* L. IT0TR20170321 (2117 m a.s.l.)
 341 *Peucedanum ostruthium* (L.) W.D.J.Koch IT0TR20190341 (1780 m a.s.l.)
 347 *Peucedanum verticillare* (L.) W.J.D.Koch ex DC. IT0TR20200347 (950 m a.s.l.)
 322 *Potentilla nitida* L. IT0TR20170322 (2125 m a.s.l.)
 323 *Pulsatilla alpina* (L.) Delarbre IT0TR20170323 (1541 m a.s.l.)
 324 *Rumex alpinus* L. IT0TR20170324 (1539 m a.s.l.)
 325 *Saxifraga burseriana* L. IT0TR20170325 (2125 m a.s.l.)
 326 *Saxifraga caesia* L. IT0TR20170326 (2082 m a.s.l.)
 327 *Saxifraga rotundifolia* L. IT0TR20170327 (1628 m a.s.l.)
 332 *Silene acaulis* (L.) Jacq. IT0TR20180332 (2122 m a.s.l.)
 333 *Solidago virgaurea* L. IT0TR20180333 (1970 m a.s.l.)
 328 *Thalictrum aquilegiifolium* L. IT0TR20170328 (1549 m a.s.l.)
 329 *Trollius europaeus* L. IT0TR20170329 (1539 m a.s.l.)
 330 *Valeriana officinalis* L. IT0TR20170330 (1550 m a.s.l.)

Key to symbols:

* denotes potentially invasive species

The International Plant Exchange Network (IPEN)

Viote Alpine Botanical Garden joined the International Plant Exchange Network (IPEN) in January 2006. For full reference on IPEN please check <http://www.bgci.org/abs/ipen/>. IPEN binds all contracting parties to comply with a specific Code of Conduct regulating the acquisition, maintenance and supply of living plant material, in order to implement effectively the CBD prescriptions on Access and Benefits Sharing. All plant material supplied by an IPEN member is accompanied by a code that remains connected with that material and its derivatives through all generations to come. With the aid of this number it is possible to trace back where and under which conditions the plant material entered the IPEN. The first IPEN member garden that supplies a specific plant sample within the IPEN has to provide this material with an IPEN-number. The IPEN number is added in the seed list after the plant name and consists of four elements: country of origin (two positions, abbreviation according to the BGCI list, "XX" for unknown origin) - Restrictions of transfer (one position, "1" if there exist a restriction, "0" if none) - Institution acronym (in our case TR) – own internal accession code e.g. IT-0-TR-20060057 means originating from Italy, no restriction, garden code TR, own internal accession number. The supply of plant material includes the transfer of a minimum set of information connected with the IPEN-Number, consisting of the identification code of the first IPEN member garden that received the material from outside the network, together with the gardens accession number for that plant material. Country of origin if different from that of the garden and if known. Terms and conditions under which the material was acquired from the country of origin, if any. Additional information is available upon request.

Standards for seed conservation

All seeds are stored at 15% RH and 15 °C in a dedicated drying room, according to IPGRI gene bank standards. Loss of viability should be negligible for orthodox seeds.

For non IPEN members only

Agreement on the supply of living plant material for non-commercial purposes leaving the International Plant Exchange Network

Taking into account the provisions and decisions of the Convention on Biological Diversity of 1992 (CBD) and in particular those on access to genetic resources¹ and benefit-sharing, Viole Alpine Botanical Garden is committed to promote the conservation and sustainable use on biological diversity. Viole Alpine Botanical Garden therefore expects its partners when acquiring, maintaining and transferring plant material to act in accordance with the CBD and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material passes on to the recipient upon receipt of the material. The requested plant material will be supplied to the recipient only on the following conditions:

- 1.** Based on this agreement, the plant material is supplied only for non-commercial use such as display and educational purposes as well as environmental protection. Should the recipient at a later date intend to carry out research or commercial use or a transfer for commercial use, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred. The recipient is responsible for ensuring an equitable sharing of benefits.
- 2.** On receiving the plant material, the recipient endeavours to document the received plant material, its origin (country of origin, first receiving garden, „donor“ of the plant material, year of collection) as well as the acquisition and transfer conditions in a comprehensible manner.
- 3.** Please note that research and development activities are not allowed on the supplied plant material, that therefore falls outside the scope of application of the Nagoya Protocol.
- 4.** On request, the garden will forward relevant information on the transfer of the plant material to the body charged with implementing the CBD.²
- 5.** The recipient may transfer the received plant material to third parties only under these terms and conditions and must document the transfer in a suitable manner (e.g. by using the documentation form, such as provided in Annex 1.3).

Non IPEN members are requested to sign the order slip overleaf in acceptance of the conditions set out above.

¹ According to the CBD "genetic resources" means genetic material of actual or potential value. This definition covers both living and not living material. The Code of Conduct and the IPEN covers only the exchange of living plant material (living plants or parts of plants, diaspores) thus falling in the definition of genetic resources.

² Ideally, the national focal point in the garden's home country

Map



- ● ● Education path (IT)
- ● ● Nature trail (20 min)
- ● ● Sensory path
"With closed eyes"



Delectus seminum 2022

Your full address: _____

Please specify your e-mail: _____

To place your order, please fill in the form below and return it before the **31st March 2022**.
You can either post it, or email delesemi@muse.it.

Our address:

Hortus Botanicus Alpinus “Viole”
c/o MUSE - Museo delle Scienze

Corso del Lavoro e della Scienza, 3
38122 Trento. Italy

Desiderata (Max. 20 species)

Please enter the number that precedes the species name in the attached seed list.

Conditions for the supply of PGR from Viole Alpine Botanical Garden (IPEN designation TR)

Please note that seeds are supplied for display and educational use only in accordance with article 15 of the Convention on Biological Diversity (CBD) that regulates access to Plant Genetic Resources (PGR) between more than 170 countries worldwide. Please refer to the full conditions set out overleaf.

IPEN members

Please tick the box and state your IPEN designation _____

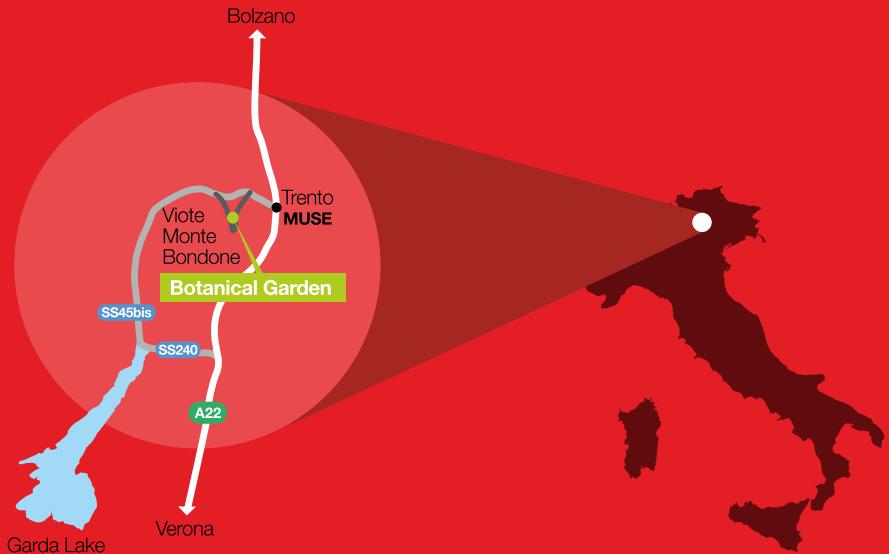
Non IPEN members

Please fill in the declaration below:

I accept the conditions stated out overleaf for the supply of PGR from Viole Alpine Botanical Garden.

Date _____ Signature and stamp _____





Hortus Botanicus Alpinus "Viole"
Viole Monte Bondone, Trento - Italy

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