



Delectus seminum

Hortus Botanicus Alpinus "Viote"

n°50 - 2023

MUSE - Science Museum
Trento. Italy


Giardino Botanico
Alpino Viote
Monte Bondone


La rete dei Musei della
Scienza in Trentino



Hortus Botanicus Alpinus “Viote”

Viote 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.

“Viote” 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.

Viote 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 Viote 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.

This is the 50th edition of the Viote Alpine Botanical Garden's *Delectus seminum*; the first was published in 1959. Although there has been no continuity of publication, the seed exchange activity with other botanical gardens has not been interrupted since that year.

In tabula: *Digitalis grandiflora* Mill.

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 2022

Annual mean temperature: 7,0 °C

Absolute maximum temperature (22/07/2022): 27,1 °C

Absolute minimum temperature (12/12/2022): -13,8 °C

Mean daily maximum temperature of the warmest month (July): 17,1 °C

Mean daily minimum temperature of the coldest month (December): -0,6 °C

Certain frost (mean daily minimum temperature below zero): F D 

Possible frost (some daily minimum temperature below zero): J N 

Total rainfall: 942,4 mm

Ombrothermic diagram for 2022

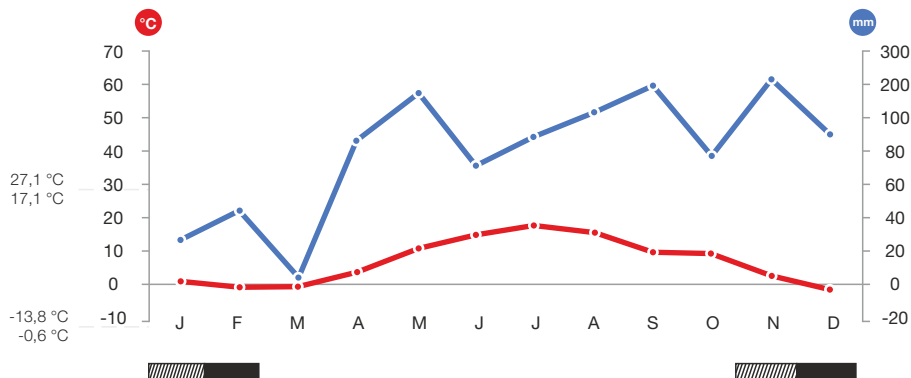
Viote Alpine Botanical Garden

Monte Bondone

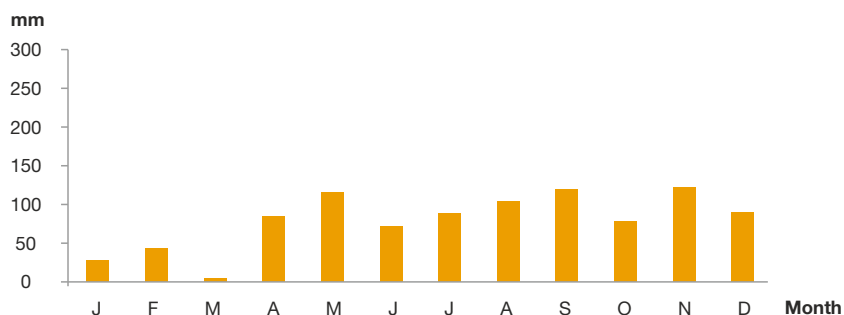
1.540 m.s.l.

7,0 °C

942,4 mm



Rainfall 2022



Month	Mean temperature °C	Rainfall mm
January	0,6	26,4
February	-0,2	42,8
March	0,4	4,4
April	3,8	84,4
May	10,6	115,2
June	15,0	70,8
July	17,1	88,2
August	15,3	102,8
September	9,9	119
October	9,7	77
November	2,7	122
December	-0,8	89,4
Annual mean temperature	7,0 °C	
Total rainfall		942,4 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., 2017-2019 - Flora d'Italia. Edagricole.
 Prosser F., Bertolli A., Festi F., Perazza G., 2019 - Flora del Trentino. Osiride.

Staff

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

Delectus seminum 2023

**quae Hortus Botanicus Alpinus “Viote” Musei Scientiarum pro mutua
commutatione offert.**

Semina in Horto Botanico collecta

Pan-European seed list search keyword: seminumsystem2023

- | | | | |
|-----|--|-----|--|
| 3 | <i>Achillea clavennae</i> L. XX0TR20072008 | 32 | <i>Artemisia chamaemelifolia</i> Vill. XX0TR20060187 |
| 5 | <i>Achillea pyrenaica</i> Sibth. ex Godr.
XX0TR20083018 | 33 | <i>Aruncus dioicus</i> (Walter) Fernald IT0TR20060194 |
| 6 | <i>Aconitum lycoctonum</i> L. s.l. XX0TR20060038 | 238 | <i>Asphodelus albus</i> Mill. XX0TR20120238 |
| 7 | <i>Aconitum napellus</i> L. XX0TR20060043 | 34 | <i>Aster alpinus</i> L. XX0TR20060200 |
| 53 | <i>Actaea cimicifuga</i> L. XX0TR20060316 | 35 | <i>Astragalus alopecurus</i> Pall. XX0TR20060217 |
| 250 | <i>Aethionema grandiflorum</i> Boiss. & Hohen.
XX0TR20150250 | 36 | <i>Astragalus glycyphyllos</i> L. XX0TR20060219 |
| 11 | <i>Allium fistulosum</i> L. XX0TR20083017 | 38 | <i>Astrantia major</i> L. XX0TR20060222 |
| 12 | <i>Allium lusitanicum</i> Lam. XX0TR20083020 | 39 | <i>Athamanta cretensis</i> L. XX0TR20083021 |
| 9 | <i>Allium schoenoprasum</i> L. XX0TR20060089 | 40 | <i>Atropanthe sinensis</i> (Hemsl.) Pascher XX0TR20233022 |
| 10 | <i>Allium victorialis</i> L. XX0TR20060096 | 42 | <i>Caltha palustris</i> L. XX0TR20060249 |
| 239 | <i>Alyssoides utriculata</i> (L.) Medik. XX0TR20120239 | 225 | <i>Campanula alliariifolia</i> Willd. XX0TR20094008 |
| 13 | <i>Alyssum argenteum</i> All. XX0TR20060099 | 44 | <i>Campanula carpatica</i> Jacq. XX0TR20060255 |
| 14 | <i>Alyssum montanum</i> L. XX0TR20060100 | 287 | <i>Campanula lactiflora</i> M.Bieb. XX0TR20190287 |
| 15 | <i>Alyssum saxatile</i> L. XX0TR20060101 | 46 | <i>Campanula latifolia</i> L. XX0TR20083019 |
| 16 | <i>Androsace carnea</i> L. XX0TR20060109 | 43 | <i>Campanula speciosa</i> Pourr. XX0TR20083022 |
| 17 | <i>Androsace lactea</i> L. XX0TR20060111 | 45 | <i>Campanula thyrsoidea</i> L. XX0TR20060266 |
| 18 | <i>Anemone multifida</i> Poir. XX0TR20060125 | 48 | <i>Centaurea macrocephala</i> Muss.Puschk. ex Willd.
XX0TR20060280 |
| 19 | <i>Anemone narcissiflora</i> L. XX0TR20060126 | 227 | <i>Centaurea orientalis</i> L. XX0TR20094005 |
| 20 | <i>Anisodus luridus</i> Link & Otto XX0TR20083006 | 49 | <i>Centaurea scabiosa</i> L. XX0TR20060284 |
| 21 | <i>Antennaria rosea</i> (D.C.Eaton) Greene
XX0TR20072012 | 274 | <i>Centaurea ambigua</i> Guss. XX0TR20180274 |
| 22 | <i>Anthemis montana</i> L. XX0TR20060136 | 237 | <i>Centaurea pulchra</i> DC. XX0TR20110237 |
| 23 | <i>Anthyllis vulneraria</i> L. XX0TR20060141 | 273 | <i>Centaurea tenoreana</i> Willk. XX0TR20180273 |
| 271 | <i>Aquilegia atrata</i> Koch XX0TR20180271 | 50 | <i>Cephalaria gigantea</i> (Ledeb.) Bobrov XX0TR20060289 |
| 264 | <i>Arabis alpina</i> L. s.l. XX0TR20170264 | 251 | <i>Cerastium tomentosum</i> L. XX0TR20150251 |
| 52 | <i>Armeria alliacea</i> (Cav.) Hoffmanns. & Link
XX0TR20094011 | 265 | <i>Cerinthe minor</i> ssp. <i>auriculata</i> (Ten.) Domac
XX0TR20170265 |
| 30 | <i>Armeria maritima</i> ssp. <i>alpina</i> (Willd.) P. Silva
XX0TR20060175 | 51 | <i>Chenopodium bonus-henricus</i> L. IT0TR20060305 |
| 31 | <i>Artemisia campestris</i> ssp. <i>borealis</i> (Pall.) H.M.Hall
& Clem. XX0TR20060186 | 288 | <i>Cirsium purpuratum</i> (Maxim.) Matsum. XX0TR20190288 |
| | | 252 | <i>Clematis recta</i> L. XX0TR20150252 |
| | | 289 | <i>Dactylorhiza fuchsii</i> (Druce) Soó XX0TR20190289 |

- 60 *Delphinium elatum* L. XX0TR20060367
- 61 *Dianthus deltoides* L. XX0TR20060373
- 62 *Dianthus petraeus* Waldst. & Kit. XX0TR20060384
- 245 *Dianthus furcatus* Balb. XX0TR20130245
- 277 *Dianthus gratianopolitanus* Vill. XX0TR20180277
- 64 *Digitalis grandiflora* Mill. XX0TR20060396
- 65 *Digitalis lutea* L. IT0TR20060399
- 66 *Digitalis parviflora* Jacq. XX0TR20060400
- 67 *Digitalis purpurea* L. XX0TR20060401
- 68 *Dracocephalum ruyschiana* L. XX0TR20060418
- 69 *Dryas drummondii* Richardson ex Hook. XX0TR20060419
- 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* 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
- 275 *Lactuca alpina* (L.) A.Gray XX0TR20180275

- 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
- 137 *Linaria dalmatica* (L.) Mill. XX0TR20060785
- 138 *Linaria purpurea* (L.) Mill. XX0TR20060787
- 291 *Linaria alpina* (L.) Mill. XX0TR20190291
- 139 *Linum alpinum* Jacq. XX0TR20060792
- 292 *Lonicera xylosteum* L. XX0TR20190292
- *140 *Lupinus polyphyllus* Lindl. XX0TR20060809
- 141 *Lychnis flos-jovis* (L.) Desr. XX0TR20060812
- 144 *Malva moschata* L. XX0TR20060822
- 146 *Meconopsis cambrica* (L.) Vig. XX0TR20060826
- *147 *Mimulus guttatus* DC. XX0TR20060842
- 148 *Minuartia laricifolia* (L.) Schinz & Thell. XX0TR20060847
- 149 *Morina longifolia* Wall. ex DC. XX0TR20060854
- 150 *Myrrhis odorata* (L.) Scop. XX0TR20060857
- 152 *Nepeta racemosa* Lam. XX0TR20060866
- 156 *Paeonia officinalis* L. XX0TR20060901
- 158 *Papaver alpinum* L. s.l. XX0TR20060908
- 240 *Papaver apokrinomenon* Fedde XX0TR20120240
- 159 *Papaver atlanticum* Coss. XX0TR20060911
- 160 *Papaver lateritium* K.Koch XX0TR20060914
- 161 *Papaver nudicaule* L. XX0TR20060915
- 162 *Papaver orientale* L. XX0TR20060917
- 163 *Pastinaca sativa* L. XX0TR20083010
- 164 *Penstemon fruticosus* (Pursh) Greene XX0TR20060928
- 165 *Penstemon serrulatus* Menzies ex Sm. XX0TR20060931
- 166 *Peucedanum ostruthium* (L.) W.D.J.Koch IT0TR20060936
- 167 *Peucedanum rablense* W.D.J.Koch XX0TR20060937
- 168 *Peucedanum verticillare* (L.) W.J.D.Koch ex DC. IT0TR20060938
- 169 *Podophyllum hexandrum* Royle XX0TR20060980
- *170 *Polemonium caeruleum* L. XX0TR20060986
- 279 *Polygonum bistorta* L. XX0TR20180279
- 171 *Potentilla alchimilloides* Lapeyr. XX0TR20061005
- 231 *Potentilla arguta* Pursch. XX0TR20094012
- 172 *Potentilla atosanguinea* G.Lodd. ex D.Don XX0TR20061009
- 174 *Potentilla grandiflora* L. XX0TR20061021
- 175 *Potentilla pennsylvanica* L. XX0TR20061029
- 176 *Potentilla purpurea* (Royle) Hook. f. XX0TR20061030
- 177 *Potentilla recta* L. XX0TR20061032
- 178 *Potentilla rupestris* L. XX0TR20061034
- 179 *Primula auricula* L. XX0TR20061040
- *180 *Primula florindae* Kingdon-Ward XX0TR20061049
- 183 *Pulsatilla rubra* (Lam.) Delarbre XX0TR20061077
- 184 *Ramonda myconii* (L.) Rchb. XX0TR20061079
- 248 *Rhaponticum scariosum* Lam. s.l. XX0TR20130248
- 186 *Rheum palmatum* L. XX0TR20061100
- 263 *Rhodiola rosea* L. XX0TR20160263
- 255 *Rhodothamnus chamaecistus* (L.) Rchb. XX0TR20150255
- 256 *Rosa pimpinellifolia* L. XX0TR20150256
- 188 *Rosa rugosa* Thunb. XX0TR20061148
- 189 *Rosa villosa* L. XX0TR20061155
- 285 *Rosa glauca* Pourr. XX0TR20180285
- 286 *Rosa virginiana* Herm. XX0TR20180286
- 190 *Rudbeckia hirta* L. XX0TR20061415
- 280 *Rumex alpinus* L. XX0TR20180280
- 191 *Salvia glutinosa* L. IT0TR20061174
- 192 *Salvia przewalskii* Maxim. XX0TR20061176
- 193 *Sanguisorba dodecandra* Moretti XX0TR20083009
- 194 *Sanguisorba minor* Scop. XX0TR20061185
- 195 *Saponaria caespitosa* DC. XX0TR20061188
- 196 *Saussurea discolor* (Willd.) DC. XX0TR20061194
- 198 *Saxifraga exarata* Vill. XX0TR20061206
- 199 *Saxifraga hostii* Tausch XX0TR20061208
- 243 *Saxifraga mutata* L. XX0TR20170243
- 200 *Saxifraga paniculata* Mill. XX0TR20072005
- 201 *Saxifraga rotundifolia* L. XX0TR20061219

- 261 *Saxifraga pensylvanica* L. XX0TR20170261
- 202 *Scabiosa columbaria* L. XX0TR20061224
- 203 *Scabiosa graminifolia* L. XX0TR20061225
- 232 *Scopolia carniolica* Jacq. XX0TR20094010
- 204 *Sedum kamschatcicum* Fisch. XX0TR20061237
- 249 *Sempervivum montanum* L. XX0TR20140249
- 233 *Senecio adonidifolius* Loisel. XX0TR20094006
- 206 *Sibbaldia procumbens* L. XX0TR20061258
- 234 *Sideritis glacialis* Boiss. XX0TR20094002
- 207 *Sideritis hyssopifolia* L. XX0TR20061260
- 257 *Sideritis syriaca* L. XX0TR20150257
- 208 *Silene ciliata* Pourr. XX0TR20061264
- 270 *Silene uniflora* ssp. *glareosa* (Jord.) Chater & Walters XX0TR20170270
- 258 *Silene viridiflora* L. XX0TR20150258
- 142 *Silene viscaria* (L.) Jess. XX0TR20060813
- 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 alopecuroides* (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
- 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:
seminumwild2023

- 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.)
- 343 *Centaurea nervosa* Willd. IT0TR20200343 (1550 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.)
- 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 aquilegifolium* 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 please check out the IPEN section on BGCI website (www.bgci.org). 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, Viote Alpine Botanical Garden is committed to promote the conservation and sustainable use on biological diversity. Viote 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"

-  Terrace of the Stars
-  Viewpoint
-  Relax area
-  Crossroads
-  American flower bed
-  Asian flower bed
-  Cultivated field
-  Peat bog
-  Weather station
-  Restaurant Viote
-  Herbal Room
-  Playground
-  Geological Garden
-  Educational center
-  Flight chamber for bees
-  Photo exhibition



Delectus seminum 2023



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 2023**.
You can either post it, or email delesemi@muse.it

Our address:

Hortus Botanicus Alpinus "Viote"

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 Viote 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 _____

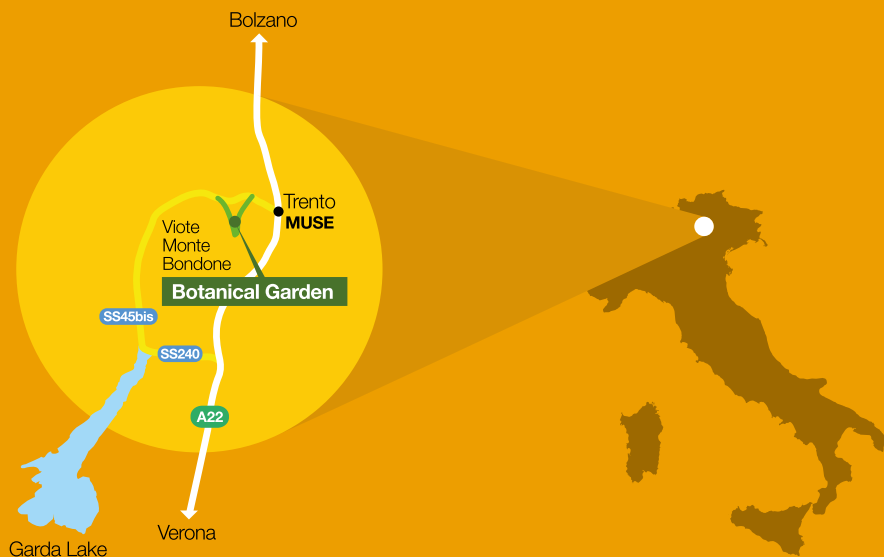
Non IPEN members

Please fill in the declaration below:

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

Date _____ Signature and stamp _____





www.muse.it

Hortus Botanicus Alpinus “Viotè”

Viotè Monte Bondone, Trento - Italy

delesemi@muse.it

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**Giardino Botanico
Alpino Viotè**
Monte Bondone

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