

SURPLUS SEED LIST 2020-2021

GARDEN COLLECTED:

- 1 **Abeliophyllum** distichum (moist packed) white 90-150cm 127
2 **Abies** koreana purple-blue cones 10-18m 37
3 **Abronia** fragrans white 20-100cm 122
6 **Achillea** aleppica ssp zederbaueri white-yellow flr/grey lvs 5-15cm 88
9 **Acis** autumnalis white/pinkish base 7-15cm 14
10 nicaeensis white 5-18cm 147 184
11 **Aconitum** anthora yellow 25-100cm 183
12 columbianum deep bluish purple 30-150cm 138
14 lamarckii cream-yellow 90-120cm 65
16 napellus white to 1m 111
17 palmatum violet 60-120cm 183
18 piepunense pale blue 110-180cm 112
19 sachalinense ssp yezoense blue 1-2m 135
20 **Actaea** arizonica creamy-white 70-150cm 155
21 dahurica cream-white 1-2m 103
23 pachypoda white flr/white frt 45-60cm >
25 rubifolia white 30-140cm 186
26 rubra white flr/red frt 40-80cm 40 111
27 rubra (moist packed) white flr/red frt 40-80cm 105
28 rubra f neglecta white flr/white frt 80cm 111
29 simplex Atropurpurea Group white-pale pink flr/dark purple lvs 120-180cm 4
30 **Adenophora** khasiana blue/pale blue to 1m 42
32 triphylla pale blue 20-100cm 59
33 **Adlumia** fungosa pale pink-lavender 0.5-4m 94
34 fungosa white/pale pink-purple 0.5-4m 38 179
35 **Adonis** aestivalis red/dark base 20-50cm 29
38 **Aethionema** armenum pink flr/blue-grey lvs 10-20cm 60 101 179
39 glaucinum pink 5-10cm 88 99 147
40 grandiflorum pink flr/blue-grey lvs 15-30cm >
41 membranaceum pink 10-17cm 76
42 saxatile pink-purple flr/grey-green lvs 5-20cm 106 179
43 schistosum pink 13-18cm 147
44 subulatum pink 5-10cm 88 147
45 thomasianum pink-white flr/grey-green lvs 10-15cm 137
46 'Warley Rose' rose-pink to 20cm 68
47 **Agapanthus** africanus bright blue 20-90cm 158
48 praecox blue 80-100cm 56
49 sp white 45cm 56
51 **Agastache** mexicana rose-red 60-80cm 121
52 pallidiflora ssp neomexicana lavender-rose 30-60cm 78
53 rupestris red 50cm 87
54 **Agave** bracteosa (PDN #29) dwarf fat lvs 186
55 loferox (x) 'Stairway to Heaven' yellow 90cm lvs/6m flr 186
56 polianthiflora red 40cm/1-2m flr 139
57 pseudoferox (x) 'Bellville' 120cm 186
58 striata reddish-purple flr/grey-green lvs 60cm lvs/to 3m flr 186
59 univittata 'Band Aid' 186
60 victoriae-reginae cream flr 50cm lvs/to 4m flr 186
61 **Agrostemma** githago (PI) pink to 1m 87
62 githago (PI) 'Milas' rose-pink to 90cm 150
63 **Akebia** quinata (PI) pale purple-dark purple flr/whitish-purplish frt to 12m 124 179
64 **Albuca** namaquensis pale yellow/green to 30cm 3
65 shawii yellow to 30cm 58
67 **Alchemilla** saxatilis yellow-green 10-30cm 99
68 **Allium** aflatanense purplish-pink to 90cm 43
69 altaicum white tinged yellow 40-100cm 165
70 altaicum (ex Mongolia) 30-40cm 184
71 amplexens pink 15-50cm 149
74 caeruleum blue 25-95cm 60 179
77 carinatum white 30-50cm 177
78 carinatum ssp pulchellum pale lavender 30-50cm 136
79 carinatum ssp pulchellum reddish-purple 30-50cm 59 60 176
80 carinatum ssp pulchellum white 30-50cm 60
82 cernuum pale pink 10-50cm 160
83 cernuum pink 10-50cm 50 123
84 cernuum pink/white 10-50cm 44 73 85
85 cernuum rose-purple to 45cm 93
86 cernuum (large form) 149
87 cernuum 'Pink Giant' pink-purple 30-45cm 59
88 cristophii purple-violet to 60cm >
89 cyaneum blue 10-30m 111
90 cyathophorum purple-dark purple to 15cm 66 70 165
91 cyathophorum v farreri purple-dark purple 13-15cm 60 93 145
93 flavum yellow 6-30cm >
94 flavum 'Glaucum' yellow flr/blue lvs 6-30cm 85
95 flavum ssp tauricum mix flr/blue-grey lvs 15-35cm 80
96 flavum v minus yellow flr/blue-grey lvs 10-20cm 127
97 forrestii dark red purple 15-30cm 70
98 hollandicum purple/purple-pink 40-60cm 43 176
99 karataviense mix 25-30cm 84 153
100 karataviense pale pink-lilac flr/blue-grey lvs 25-30cm 179
101 karataviense whitish 25-30cm 53 69
103 karataviense 'Ivory Queen' cream-white 25-30cm 20
104 komarowii dark purple 30-50cm 185
105 lusitanicum pink-pale purple 20-45cm 165
108 meteoricum pale pink 15-20cm 47
111 **Allium** nevskianum deep pink-red flr/blue-grey lvs 10-30cm 85
112 nutans pink-pale purple 30-60cm 179
113 obliquum (ex Ruksans) bright green to 1m 59
114 ochotense whitish-green 20-30cm 9
115 olympicum lilac-pink/purple-red to 30cm 187
117 orientale white 10-40cm 145
118 ovalifolium v ovalifolium white/pink 30-60cm 47
119 rotundum burgundy-purple 20-50cm 80
120 scabriflorum violet-blue/blue 10-25cm 80
121 senescens pink-lilac 10-40cm 30 60 111
122 sibthorpiatum mauvish-pink/purple 4.5-12cm 22 70 117
123 siculum reddish/greenish-cream 50-120cm 165 179
124 siculum ssp dioscoridis creamy green/pink-purplish 60-90cm 69
125 stellatum deep pink 20-50cm 47 179
126 texanum white flr/blue-grey lvs 50-60cm 83
128 togashii pale pink/white 12-20cm 23 179
130 tuberosum (PI) white 30-50cm 157 163
131 unifolium bright pink 20-80cm 60 125
132 victorialis white-greenish 30-70cm 74
133 wallichii pale red-dark purple 20-50cm 59
134 zebdanense white 25-40cm 177 179
137 **Aloinopsis** hybrids mixed colors 4cm 130
138 **Aloinopsis/Nananthus** hybrids various colors 3cm 88
139 **Alophia** drummondii purple 15-45cm 168
140 **Alstroemeria** ligtu ssp simsii reddish orange 60-100cm 12
142 sp peach/pink 60-65cm 45
143 **Alyssoides** cretica yellow flr/grey woolly lvs 15-20cm 182
144 utriculata yellow 20-50cm >
145 **Alyssum** oxycarpum yellow flr/silver lvs 10-20cm 68
146 wulfenianum yellow flr/grey-green lvs 5-20cm 84 111
148 **Amorpha** canescens (Arkansas form) purple-orange tipped flr/ grey-green lvs to 90cm 186
149 nana red-purple 30-90cm 136 141 165
152 **Ampelodesmos** mauritanicus 60-350cm 33
153 **Amsonia** elliptica blue to 40cm 103
154 hubrichtii pale blue 60-90cm 46 101
155 illustris light blue 60-120cm 42
157 tabernaemontana (ex Lee Co, Texas) 186
158 **Anacampteros** rufescens pink 5-8cm 29
159 telephiastrum pink to 10cm 29
160 **Anacyclus** pyrethrum white/red reverse 5-15cm 1
161 **Anchusa** capensis cobalt blue 30-45cm 165
162 **Androsace** carnea ssp brigantiaca white to 12cm 37
166 lactea white 4-15cm 138 145
172 septentrionalis white 1-15cm 49 99 120
173 septentrionalis 'Stardust' white 10-25cm 52
176 **Andryala** agardhii yellow flr/silver woolly lvs 8-15cm 36 133
179 **Anemone** lithophila creamy yellow 20cm 93
180 lithophila white 10-25cm 6 78
181 multifida cream-yellow 10-40cm 68 138
182 multifida red 10-40cm 23 99
183 multifida white 10-40cm >
184 multifida 'Annabella Deep Rose' rose-pink 20-30cm 142
185 multifida v tetonensis red 10-20cm 68
186 multifida v tetonensis red-purple/white-yellow/blue 10-20cm 147
189 nemorosa 'Wyatt's Pink' (moist packed) white-pale pink/fades to deep pink 15-20cm 179
191 polyanthes white/red/mauve 25-60cm 187
194 rivularis (ex Chris Chadwell) white to 60cm 115
195 rupicola white/pink-violet reverse 5-25cm >
196 rupicola (cf) white/blue reverse 60cm 69
197 sylvestris white 30-45cm 23 142
198 virginiana white/greenish-white 30-80cm 93
200 **Anemonopsis** macrophylla pale lavender-purple 40-80cm 22 154 183
201 **Angelica** archangelica yellow-greenish to 2m 11
202 gigas dark purple flr/purplish stems 1-2m 103 164
203 sylvestris 'Purpurea' purple-pink flr/dark purple stems to 1.5m 33
204 **Antennaria** alpina whitish 3-18cm 49
205 dioica pink flr/grey woolly lvs 3-10cm 84
206 dioica white flr/grey woolly lvs 3-10cm 84
207 dioica (cf) light pink 2-5cm 119
208 dioica 'Nyewoods Variety' bright pink flr/grey lvs 10cm 90
209 parvifolia white flr/grey woolly lvs 2-8cm 88
210 plantaginifolia white-cream flr/grey woolly lvs 6-20cm 161
211 rosea rose-white 4-30cm 87
212 rosea ssp confinis cream yellow-red brown flr/grey woolly lvs 9-25cm 47 76
213 rosea ssp pulvinata white/pink/red/green/brown 4-17cm 47 89
214 **Anthemis** cretica white flr/grey lvs 10-30cm 171
215 cretica ssp carpatica white flr/silver lvs 10-30cm 88
216 cretica ssp leucanthemoides white flr/greyish lvs 10-30cm 76
217 **Anthericum** liliago white 60-90cm >
219 **Anthriscus** sylvestris 'Ravenswing' white flr/dark purple-bronze lvs 30-90cm 34 103 160
220 **Anthyllis** coccinea red 15-30cm 29
221 vulneraria mix yellow/orange/red 15-30cm 76 111
222 vulneraria red 10cm 58
223 **Antirrhinum** hispanicum dark pink/yellow 30cm 94
224 hispanicum pink 10-30cm 58

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- 225 **Apium** graveolens (as ssp rapaceum) greenish-white to 1m 165
 226 **Aquilegia** 'Alchemists Gold' white flr/gold variegated lvs 25-40cm 163
 227 alpina blue 15-80cm 172
 228 amaliae pale violet blue/white 20-30cm 146
 230 bertolonii blue-violet 20-30cm 146 170
 231 buergeriana (dwarf form) yellow/brown-purple 15-30cm 24 64 163
 232 buergeriana 'Calimero' purple/yellow 15-20cm 30 34 44
 233 canadensis red/yellow 15-90cm >
 236 canadensis 'Little Lanterns' red/yellow to 25cm 37 47
 237 chrysantha yellow 30-120cm 44
 238 coerulea blue/white 15-80cm 138 173
 239 discolor blue/white 10-20cm 179
 240 einseleana blue-violet 10-45cm 146
 241 flabellata blue/white 20-30cm 59
 242 flabellata pale blue/white 20-30cm 128
 243 flabellata purple 40cm 138
 244 flabellata white 20-30cm 30 84
 245 flabellata v pumila blue 15cm 7
 246 flabellata v pumila blue/white 15cm 38 44 46
 247 flabellata v pumila mid-blue/light yellow 8cm 93
 248 flabellata v pumila 'Rosea' rose-pink to 15cm 123
 249 formosa red/orange/yellow 50-60cm 139 66
 250 fragrans creamy-white/pale purple 15-80cm 139
 251 grahamii red/yellow 20-50cm 44 138
 254 nevadensis pale purple 15-60cm 161
 255 'Origami Yellow' soft yellow 35-45cm 121
 256 pyrenaica deep blue/lilac 10-30cm 46
 257 saximontana blue/cream 5-25cm 138 172
 259 scopulorum blue 5-30cm 68 120 138
 261 sp blue 45cm 167
 262 sp blue/white 15-20cm 82
 263 sp purple 75cm 142
 264 'Swallowtail' bright-soft yellow flr/blue-green lvs to 60cm 78
 266 viridiflora 'Chocolate Soldier' brown-purple/yellow-green 20-30cm 125
 267 viridiflora v atropurpurea dark purple 15-50cm 30
 268 vulgaris dark blue 25-40cm 163
 269 vulgaris dark red 40cm 40
 270 vulgaris double purple-pink 45-60cm 59
 271 vulgaris double/single white 60cm 34
 272 vulgaris mix 30-90cm 173
 273 vulgaris pink 30-90cm 72 163
 274 vulgaris pink/white 30-60cm 34 163
 275 vulgaris purple 30-90cm 54
 276 vulgaris white 30-90cm 54
 277 vulgaris yellow 30-90cm 54
 278 vulgaris 'Black Barlow' double dark purple-black to 90cm 92 144
 279 vulgaris 'Clementine Salmon Rose' salmon-rose pink double to 45cm 179
 280 vulgaris 'Green Apples' double green-white 45-60cm 103
 281 vulgaris 'Nivea' pure white to 90cm 103
 282 vulgaris 'Nora Barlow' rose pink/cream-pale green 60-90cm 37
 283 vulgaris v stellata rose 30-45cm 111
 284 vulgaris 'William Guiness' (true from seed) dark purple-black/white 60-75cm 101 163
 285 'Winky Blue and White' blue/white to 45cm 179
 286 **Arabis** collina pink 10-15cm 75
 287 georgiana (ex Bibb Co, Alabama) white 30cm 186
 288 **Aralia** californica greenish white 2-3m 61
 289 continentalis cream to 1m 183
 290 cordata 'Sun King' white flr/yellow-lime green lvs 90cm 116
 291 racemosa white flr/purple frt 90-150cm 4
 292 **Arctotis** stoechadifolia cream-yellow/maroon reverse flr/grey felted lvs to 35cm 165
 293 **Arenaria** grandiflora white 5-15cm 44 52 88
 294 **Argemone** munita white 40-160cm 88
 295 **Arisaema** ciliatum red-brown/greenish-white stripe to 90cm 9
 296 consanguineum green/purple-brown 90-180cm 100
 297 consanguineum (tall form) green 120cm 2
 298 dracontium green to 130cm 9
 300 fargesii red-brown/white striped to 60cm 9 62
 301 flavum yellow 30-75cm >
 302 flavum ssp flavum yellow 30-75cm 12
 303 heterophyllum narrow-leaved form 62
 304 heterophyllum yellow green-purple tinged to 100cm 169 39
 306 ringens greenish-white/carmine to 110cm 39 2
 307 sikokianum carmine-white to 70cm 9 2
 309 thunbergii ssp urashima off white/carmine 25-40cm 2
 310 thunbergii ssp urashima reddish-purple/grey 25-40cm 9
 312 thunbergii ssp urashima (cf) brown 30-60cm 69
 313 triphyllum green/purple-brown w/white stripes 60-90cm 40 69 176
 314 triphyllum ssp triphyllum green/carmine w/white stripes to 90cm 2
 315 **Aristolochia** californica pale green/brown-purple to 5m 139
 316 fimbriata yellow-brown flr/silver-veined lvs 15-30cm 26 27 29
 318 **Armeria** 'Joystick' red/pink 30-35cm 45
 319 juniperifolia pink 5-15cm 6 70
 320 maritima pink 2-30cm 157
 321 maritima pink-white 15-30cm 87 110
 322 maritima (large form) pink-white 50-60cm 87
 323 **Armeria** maritima 'Lauchearna' rich pink-rose 15-20cm 163
 324 maritima 'Nifty Thrifty' pink flr/variegated lvs 5-15cm 89 90
 325 maritima 'Rubrifolia' rose-pink flr/burgundy lvs 15-20cm 89 90 110
 326 maritima 'Victor Reiter' pink 5-10cm 7 89
 327 pungens pink/white to 40cm 112
 328 trojana pink 2-5cm 78
 329 welwitschii pink-white to 40cm 78
 330 **Arnica** chamissonis yellow 20-80cm 29
 331 **Artemisia** lactiflora creamy white to 150cm 127
 332 **Arthropodium** candidum 'Purpureum' white flr/purple-bronze 10-30cm 33
 333 **Arum** apulum red-brown 20cm 108
 334 dioscoridis greenish/purple 18-45cm 14
 335 italicum cream-light green flr/red frt 30-45cm 169
 336 italicum ssp albispatum white to 40cm 14
 338 sp green 30cm 108
 339 **Aruncus** dioicus cream 120-180cm 33
 340 **Asarina** procumbens cream/yellow 5-7cm 39 68 94
 341 **Asarum** canadense (moist packed) pale green/purple 6-20cm 179
 342 caudatum v viridiflorum (moist packed) greenish-yellow flr 7-17cm 179
 343 hartwegii (moist packed) reddish-brown 9-21cm 179
 344 **Asclepias** incarnata pink-mauve 1-1.5m 60 110
 346 tuberosa orange 30-100cm >
 348 **Asperula** orientalis pale-clear purplish blue to 30cm 103
 349 **Asphodeline** damascena white flr/blue-green lvs 45-170cm 49 96
 350 liburnica yellow 60-100cm 49
 351 lutea yellow 90-120cm 29
 352 lutea 'Italian Gold' yellow to 120cm 186
 353 taurica white 60-80cm 117 154
 354 taurica (ex Bolkar Dag, Turkey) white flr/grey lvs 30-40cm 184
 355 **Asphodelus** aestivus white 50-150m 58
 356 albus white/pink-veined 50-120cm 14
 358 **Aster** alpinus mauve-rosy purple 10-20cm 93
 359 alpinus mix 15-30cm 100 112
 360 alpinus purple 15-30cm 30 173
 361 alpinus white/purple 15cm 111
 362 alpinus (ex Kazakhstan) 165
 364 flaccidus blue/mauve 3-30cm 93
 365 himalaicus blue-purple 8-25cm 52 78
 366 likiangensis bluish-lavender purple 3-20cm 88
 369 **Astragalus** megacarpus purple 12-15cm 36
 370 **Astrantia** major dark pink 40cm 142
 371 maxima pink-white to 90cm 33
 372 **Astrophytum** asterias yellow/red base flr 2-7cm 107 152
 374 **Asyneuma** linifolium ssp linifolium blue-purple 10-15cm 147
 375 **Athamanta** turbith white 30-50cm 88
 376 **Atriplex** hortensis 'Rubra' red-purple flr/dark red-purple lvs 60-180cm 165
 378 **Aubrieta** pinardii purple 5-15cm 68
 379 sp (ex Mt Ossa, Greece) purple-lavender 7.5cm 121 141
 380 **Aurinia** saxatilis golden yellow 10-30cm 103 156
 381 saxatilis 'Sulphureum' yellow flr/grey-green lvs 15-25cm 178
 382 **Babiana** angustifolia blue 10-20cm 54
 383 stricta purple 10-30cm 121
 384 tubiflora cream-white/purple-violet spots 7-15cm 121
 385 tubulosa cream 7-15cm 3
 387 **Balsamorhiza** deltoidea yellow 20-90cm 140
 388 **Baptisia** alba cream-white 60-120cm 103
 390 australis blue-violet flr/blue-black frt to 1.5m >
 391 australis v minor purple-blue 30-60cm 144
 392 bracteata cream-pale yellow 45-75cm 135
 393 'Lunar Eclipse' lemon cream-purple 90-120cm 34
 394 'Solar Flare' yellow ages orange-violet to 120cm 4
 395 sphaerocarpa 'Screamin' Yellow' bright yellow 60-90cm 34
 396 **Barnardia** (Scilla) japonica lavender/lilac 7-20cm 103 144
 397 japonica rose purple/pink 7-20cm 177
 398 **Bauhinia** brachycarpa white to 5m 139
 400 **Begonia** cucullata white-pink 30-70cm 174
 402 grandis pink 28-60cm 179
 403 grandis ssp sinensis pink 20-40cm 176
 404 **Bellevia** romana creamy white to 30cm 58
 405 **Bergeranthus** vespertinus orange-yellow 2-5cm 88 130
 406 **Berkheya** purpurea pale-deep mauve to 1m 122 138
 407 **Berlandiera** lyrata yellow/red-maroon center 10-60cm 31 99 165
 408 **Beta** trigyna greenish-white to 100cm 165
 409 **Betonica** macrantha purplish-pink to 60cm 103
 410 nivea ssp ossetica yellow-white 15-50cm 85
 411 **Betula** pamirica (aff) (ex Halda) 74
 412 papyrifera white bark to 30m 33
 413 utilis v jacquemontii white bark to 20m 4
 414 **Bidens** aristosa yellow 30-60cm 167
 416 **Bistorta** officinalis rose-pink 20-80cm 120
 417 **Blackstonia** perfoliata yellow 10-50cm 60
 418 **Blephilia** ciliata lavender/pink/white 30-600cm 162
 419 **Bloomeria** crocea yellow 15-70cm 22
 420 **Boehmeria** platanifolia white 90-150cm 188
 421 sieboldiana tan to 180cm 188
 422 **Brahea** moorei white flr/grey-silvery blue lvs 60-120cm 170

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- 423 **Brimeura** amethystina deep-pale blue 10-15cm 57
424 amethystina sky blue 10-15cm 60
425 **Briza** maxima 20-60cm 60
426 **Brodiaea** californica 'Babylon' lilac-pink 25-60cm 94
427 elegans bluish purple-violet 10-50cm 8 32
428 **Browallia** americana blue-violet/white center to 60cm 164 167
430 **Bupleurum** longifolium yellow 50-90cm 60 165
431 ranunculoides yellow 10-60cm 146
432 spinosum yellow to 30cm 165
433 **Buxus** sempervirens 1-9m 22
434 **Calandrinia** sp (G&K 4698) orange 15cm 78 88
435 **Calceolaria** andina deep yellow-orange 20-35cm 106
436 biflora yellow 10-45cm 111
437 mexicana yellow 20-50cm 120
438 umbellata yellow 5-25cm 69
439 **Calliandra** californica red 60-180cm 139
441 **Callicarpa** dichotoma pink-white flr/purple frt 1-2m 101
442 japonica pink-white flr/violet-purple frt 1.2-1.8m 117
443 **Callirhoe** alcaeoides 'Logan Calhoun' white 30cm 174
444 involucrata reddish-purple 15-30cm >
447 **Caltha** palustris yellow to 50cm 165
450 **Calylophus** lavandulifolius yellow fades orange-pink flr/grey lvs to 20cm 88
451 **Camassia** leichtlinii (broad petals selection) blue-purple 65
452 leichtlinii ssp leichtlinii creamy white 20-130cm 60 177
453 leichtlinii ssp suksdorfii blue-violet 20-130cm 85
454 quamash blue-violet 20-80cm 44 66 68
455 **Campanula** ajugifolia lavender blue 20-35cm 165
456 alliariifolia creamy white 40-70cm 45 93
457 americana light blue-violet 60-180cm 105
458 barbata pale blue 10-30cm 60 132
459 barbata pale-deep blue 10-30cm 94
460 betulifolia white/pink bud 10-20cm 88
461 calaminthifolia blue-white flr/grey-green lvs 5-10cm 88
462 carpatica blue/white mix 15-30cm 44
463 carpatica blue-violet/purple 15-30cm 149
465 cervicaria pale blue-violet 30-100cm 120
468 collina rich purple-blue 15-35cm 147 179
469 formanekiana lilac blue-white flr/grey-downy lvs 15-30cm 147
470 fragilis blue 10-45cm 147
471 hofmannii creamy white 30-60cm 160
472 incurva pale blue-lilac to 30cm 80 99 165
473 komarovii bright blue-deep violet to 50cm 147
474 latifolia ice blue 60-120cm 177
475 latifolia mix 60-120cm 177
476 latifolia white 60-120cm 177
477 latifolia 'Macrantha' purplish blue 60-120cm 30
478 moesiaca pale lilac-blue 30-40cm 112
479 patula violet-pale blue 40-60cm 60
480 pendula creamy white 30-60cm 60
481 persicifolia violet-blue 30-90cm 59
482 persicifolia 'Planiflora' deep blue to 25cm 110
483 persicifolia 'Telham Beauty' blue 60-120cm 45
484 poscharskyana 'Blue Waterfall' violet-blue 15-20cm 163
485 primulifolia lavender blue to 90cm 54 60 94
486 rumeliana lilac-blue to 30cm 76 78
487 'Samantha' blue-violet 10-15cm 172
488 sarmatica (cf) white 35cm 147
489 saxifraga ssp aucheri violet-blue 5-15cm 6 88
490 speciosa blue-purple/white 30-50cm 147
491 topaliana blue-violet flr/grey lvs 20-40cm 88
492 troegerae pink buds/white 10-20cm 78
493 troegerae (ex Turkey) white flr/grey hairy lvs 10-15cm 184
494 versicolor lilac/purple 20-40cm 88 147
495 waldsteiniana (ex Velebit, Croatia) blue 184
496 wanneri violet 30cm 96
497 zangezura lavender-violet to 30cm 28 112
498 **Capnoides** (Corydalis) sempervirens pink/yellow tip 5-80cm 73
499 **Cardamine** concatenata white-pale pink 20-40cm 179
500 **Cardiocrinum** cordatum v glehnii (hort) greenish-white 1.5-2m 183
501 giganteum white/streaked purple 1-3m 181 94
502 giganteum v yunnanense white/purple-red streak 1-3m 20 9
503 **Carex** muskingumensis 40-100cm 110
504 nigra 10-110cm 10
505 pendula 20-100cm 11 71
506 scaposa pink to 30cm 186
507 **Carlina** acaulis ssp caulescens silvery white 15-50cm 185
508 **Cassia** nemophila yellow 180cm 158
509 **Catananche** caerulea lavender-blue 30-60cm 56 166
510 caespitosa yellow flr/silver-grey lvs 5-10cm 165
511 **Ceanothus** americanus white 80-150cm 10
512 **Centaurium** scilloides bright pink 7.5cm 69
513 **Centranthus** ruber 'Albus' white 45-90cm 178
514 **Centratherum** punctatum lavender-purplish 10-50cm 26
515 **Cephalanthus** occidentalis white-pale yellow 1-3m 167
516 **Cephalaria** gigantea pale yellow 120-240cm 111 136
517 **Cerastium** alpinum white 10cm 47
518 alpinum v lanatum white flr/silvery woolly lvs 6-10cm 179
519 latifolium white 3-10cm 92
520 **Cerithe** major ssp purpurascens purple flr & bracts/blue-green lvs 18-60cm 26
521 **Chaenorhinum** glareosum violet-lilac to 30cm 179
522 **Chamaebatiaria** millefolium white 60-200cm 165
524 **Chamaedaphne** calyculata white 20-150cm 100
526 **Chasmanthium** latifolium to 1.5m 110
527 **Chasmatophyllum** musculinum bright yellow 5cm 88
528 **Chiastophyllum** oppositifolium yellow 15cm 106
529 **Chlorogalum** grandiflorum white/purplish midvein 30-100cm 139
530 **Chlorophytum** nepalense white 30-60cm 174
531 **Cinna** arundinacea 28-185cm 105
535 **Cladrastis** kentukea 'Perkins Pink' pink to 15m 175
536 **Clarkia** pulchella magenta 10-40cm 50
539 **Clematis** addisonii reddish-purple/cream tips 60-100cm 94 150
540 alpina blue-violet/purple to 4m 55
541 alpina pink to 4m 119
543 chiisanensis pale yellow 2-3m 183
546 crispa violet-blue to 3m 97
548 fremontii pale blue-violet/purple 15-45cm 12 78 135
549 fusca purple-brown 35-200cm 132 135 183
550 glaucophylla deep rose red-purplish red to 5m 154 35
551 hexapetala white 30-100cm 73 165
552 hirsutissima dark violet-blue 15-65cm 9 60 165
553 ianthina blue violet/purple violet to 2.4m 183
554 integrifolia Lake Baikal Form lavender-blue 15-45cm 179
555 integrifolia 'Mongolian Bells' blue/lavender/pink/white 25-35cm 165
556 mandshurica white 90-150cm 165
558 occidentalis violet-blue 3m 127
559 ochroleuca pale yellow-pale purple 20-70cm 68 143
560 recta white 60-150cm 111
561 recta 'Lime Close' white flr/dark purple lvs to 1.5m 94
562 recta 'Purpurea' white flr/purple new lvs to 1.5m 177 179
563 rehderiana pale yellow to 7.7m 132 94
564 'Rooguchi' indigo-violet/plum purple to 2.4m 4 179
565 scottii dark violet-blue 15-65cm >
566 serratifolia yellow 4-5m 176
567 tangutica bright yellow 2-4m 64
570 viorna reddish purple-lavender/cream-yellow to 4m 46 97 179
571 **Cleome** hirta purplish-pink to 1.6m 11 29
572 serrulata (Pl) purple-pink 30-120cm 122 133
573 serrulata 'Eleni' white 10-150cm 165
574 **Clethra** acuminata white to 6m 4
575 alnifolia 'Ruby Spice' rose-pink 120-180cm 167
576 **Clintonia** umbellulata white-greenish white flr/black frt 27-60cm 179
577 **Codonopsis** clematidea pale blue/dark veins/purple spots inside 50-100cm 30 120
578 forrestii pale blue/blue-purple 1-3m 94
579 lanceolata greenish-cream/purple inside to 1.5m 94
580 ovata pale blue/purple veined 30-40cm 111
584 **Colchicum** bulbocodium (ex Ruksans) lavender 15cm 59
585 cupanii pale-deep purplish pink 7-15cm 57
589 montanum purple-red purple to 22cm 145
590 soboliferum pink 5-15cm 80 165
591 sp mixed (autumn-blooming) lilac/pink/white 15-30cm 179
592 speciosum 'Album' white to 25cm 179
593 'Zephyr' violet-purple 15-20cm 179
594 **Collomia** grandiflora peach 10-100cm 139
595 **Commelina** coelestis bright blue 30-60cm 94
596 **Consolida** ajacis blue-purple 30-80cm >
598 **Convolvulus** compactus white-rose flr/silver hirsute lvs to 8cm 88
599 **Coreopsis** lanceolata yellow 10-60cm 110
600 palmata yellow 30-80cm 161
601 **Coronilla** minima yellow to 20cm 76
602 **Corydalis** cheilanthifolia pale-bright yellow 10-30cm 60
603 nobilis cream-yellow/dark tip 30-50cm 187
605 solida (moist packed) mix 10-25cm 179
606 **Corylopsis** gotoana yellow to 5m 101
609 **Cosmos** sulphureus yellow-red orange 30-200cm 162
610 **Cotoneaster** salicifolius 'Repens' white flr/red frt to 30cm 101
611 **Cotula** hispida yellow flr/silvery lvs 10-20cm 90
612 sp (ex Tiffindell, South Africa) 165
613 **Cotyledon** orbiculata orange-red flr/grey-green lvs 13-45cm 133
614 **Crambe** maritima white flr/blue-green lvs to 75cm 164
615 **Cremanthodium** arnicoides yellow to 60cm 59 181
616 arnicoides x delavayi yellow 45cm 30
617 brunneopilosum yellow to 100cm 30
625 **Crocus** fleischeri white 5-9cm 80
627 goulimyii lilac-blue 10cm 22 57
634 pulchellus pale to mid-lilac/darker veins 12-20cm 57
636 sublimis pale lilac-blue/yellow 7-10cm 145
638 vernus 'Jeanne d'Arc' white 10-15cm 179
639 vernus ssp albiflorus white/purple stripe 6-15cm 80
640 vernus ssp vernus lilac-purple 8-12cm 22
642 **Cyclamen** confusum pink-rose flr/thicker lvs 15cm 85
643 cypricum white-pink/magenta mark 6-20cm 85
644 graecum pink 6-16cm 3 112
645 graecum 'Windmill' 20
646 hederifolium pink 8-20cm 5
647 hederifolium white 8-20cm 65 179

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- 648 **Cyclamen** hederifolium (ex Corfu, Greece) scented form 85
649 hederifolium (ex CSE) 57
652 libanoticum white-pink 8-15cm 85
653 mirabile pale-deep pink 5-13cm 20
654 persicum pure white 13-32cm 57
656 persicum (species, not florist's forms) 13-32cm 85
660 **Cynoglossum** montanum dark maroon-deep pink 30-50cm 155
661 **Cypella** herbertii golden yellow 30-50cm 186
662 **Cyrtanthus** breviflorus yellow to 30cm 78
663 epiphyticus reddish-orange 30-50cm 143
664 **Dactylicapnos** (Dicentra) macrocapnos yellow 2-8m 60
665 scandens yellow 2-5m 94 179
666 **Dactylorhiza** purpurella violet-purple to 45cm 69
670 **Daphne** kurdica white 30-60cm 76 185
671 laureola ssp philippi yellow-green 30-60cm 37 187
673 mezereum white flr/yellow frt to 100cm 96 177
674 oleoides cream-white/pink tinted to 60cm 170
676 pontica ssp haematocarpa yellow-green flr/red frt to 1m 68
679 **Dasyochloa** pulchella woolly lvs 4-15cm 88
680 **Daucus** carota 'Dara' (PI) burgundy fades to pink-white to 90cm 26 120
681 carota 'Rosea' (PI) rose-pink 40-100cm 86
682 **Degenia** velebitica yellow flr/silver-grey lvs 5-10cm >
683 **Deinathe** caerulea blue 30-50cm 95
684 **Delosperma** 'Copper Spinner' (sibling of 'Fire Spinner') 165
686 'Lavender Ice' lavender-pink 5-7.5cm 44
687 'Lesotho Pink' bright pink 2.5cm 44
689 sp (dwarf) magenta 165
690 sutherlandii rose-purple 5-10cm 44
692 **Delphinium** elatum blue 40-200cm 22
693 elatum white 40-200cm 22
694 exaltatum pale lavender/purple 70-200cm 126
695 grandiflorum blue 20-35cm 92
696 grandiflorum 'Blauer Zwerg' deep blue 30-40cm 41
697 nuttallianum blue-purple 10-40cm 152
698 pylzowii blue-purple/bluish-grey 20-55cm 165
699 requienii blue-grey to 120cm 28
700 illinoensis white 90-120cm 158
701 perplexum light pink-purplish pink 75-150cm 161
702 longipetala yellow/orange to 120cm 139
703 **Dianthus** alpinus rich pink 5-10cm 99
704 alpinus (cf) hybrid 165
705 arenarius 'Little Maiden' pure white 15cm 76 163
706 armeria pink/rose 15-70cm 43 163
708 barbatus dark pink 30-60cm 171
709 barbatus mix 30-60cm 68 173
710 barbatus white 30-60cm 21
711 callizonus pink-carmine 5-10cm 36 99
712 carthusianorum deep pink-purple to 60cm 4 111
713 carthusianorum (cf) clusterhead 165
714 chinensis pink 30-50cm 172
715 chinensis 'Siberian Blue' lavender-blue/reddish-violet to 30cm 163 177
716 crinitus white/pinkish 30-40cm 133
717 deltoides bright pink 15-25cm 24 163 171
718 deltoides magenta 10-25cm 76
719 deltoides red 15-25cm 43
720 deltoides 'Arctic Fire' white/red-pink eye 15-20cm 163
721 ferrugineus dark ruby red 30-45cm 88 133
723 giganteus red-pink to 1m >
724 gratianopolitanus deep rose-pink flr/blue-green lvs 6-25cm 36
725 gratianopolitanus (cf) 165
726 haematocalyx purple-red/pink 5-25cm 44 138 171
728 integer white 25-40cm 137
729 japonicus pink/lavender 30-60cm 83
730 knappii soft yellow to 40cm 14 21
731 microlepis pink-purple flr/silver-grey lvs to 10cm 36 172
732 mixed European alpine species 2.5-30cm 44
734 myrtinervius (ex Greece) 80
735 myrtinervius ssp caespitosus deep pink 2-7cm 138
736 nitidus deep pink 7-15cm 84 153 165
737 pavonius pale-purplish red 10cm >
738 pavonius pink 10cm 120
739 'Peppermint Star' pink/red center 20cm 163
740 petraeus ssp noeanus white 10-15cm 44 78 123
741 pinifolius rose-red 10-20cm 99
742 plumarius pink mix flr/grey-green lvs 30-40cm 173 138
743 plumarius pink/maroon eye 15-30cm 163
744 plumarius ssp hoppei pale pink-white flr/blue-green lvs 10-20cm 182
745 squarrosus white flr/grey-green lvs to 10cm 84 142
747 subacaulis pink flr/blue-grey lvs 20-25cm 59
748 superbus mix 25-45cm 24 142 173
749 tymphresteus pink/dark red-purple marks 5-10cm 88
750 webbianus pinkish purple 5-10cm 165
752 **Dicranostigma** lactuoides yellow flr/blue-grey lvs 15-60cm 147
753 **Dictamnus** albus 'Purpureus' pink w/dark veins 60-90cm 45 99 179
754 **Dierama** pauciflorum bright pink-reddish 30-60cm 94
756 **Dietes** iridioides white/violet flushed styles 30-60cm 60
757 **Digitalis** ciliata pale yellow 30-60cm 1
758 **Digitalis** davisiana pale yellow/orange veins to 70cm 1
759 ferruginea yellow-rusty brown to 120cm 1 60
760 grandiflora pale yellow 70-120cm >
761 grandiflora 'Carillon' pale yellow 30-45cm 142
763 lutea pale yellow 60-90cm >
764 obscura rusty dark orange/green-yellow 30-60cm 165 186
765 purpurea purple-pink 60-150cm 24 156
766 purpurea white 60-150cm 24 150
768 thapsi pink flr/woolly lvs 30-60cm 165
769 viridiflora yellow-green 60-90cm 24
771 **Diplarrena** moraea white 50-100cm 65 94
773 **Disporum** uniflorum yellow 20-80cm 93
774 **Dodecatheon** alpinum pink 10-35cm 138
776 jeffreyi magenta-lavender/cream 10-60cm 74 103
777 meadia magenta-fuchsia 10-50cm 60 111 142
778 meadia pink 10-50cm 125
779 meadia white 10-50cm 40
780 pulchellum magenta-lavender 10-45cm 50 59 60
781 pulchellum x dentatum pale pink 60
782 sp white 45cm 125
786 **Draba** aizoides yellow 5 -10cm >
787 arabisans white 7-30cm 110 157
789 bryoides yellow 3-5cm 147
790 cretica yellow 1-5cm 171
791 cuspidata yellow flr/hairy lvs 5-10cm 93
792 dedeana white 5-8cm 70 78 141
793 densifolia pale yellow 2-10cm 125
794 glacialis yellow to 20cm 93
795 hispanica yellow 2-10cm >
796 incerta yellow flr/hairy lvs 4-14cm >
797 kitadakensis white flr/grey-green lvs 10-15cm 30 93
798 lasiocarpa deep yellow 5-20cm 93
800 novolympica bright yellow to 4cm 47 68 179
801 oligosperma yellow/cream white 2-10cm 50 133
802 paysonii pale yellow 3cm 36
803 polytricha yellow flr/grey-green lvs 1-5cm 93 133
804 ramosissima white 7-30cm 93 142
805 sachalinensis white flr/greyish lvs 10-25cm 93
806 sakuraii white 7-20cm 93
807 sp yellow 3cm 69
808 sphaeroides yellow 3-8cm 93 147
809 streptocarpa yellow 4-25cm 93
810 **Dracocephalum** argunense blue-purple 25-57cm 46
811 argunense 'Fuji Blue' blue to 30cm 142
812 botryoides lavender-pink flr/woolly lvs 10-15cm 99 123
813 forrestii blue-purple 13-28cm 187
814 renati creamy white 20-25cm 165
815 ruyschiana blue-purple 15-25cm 44 90 111
816 **Drosera** binata white to 30cm 69
818 **Drosophyllum** lusitanicum yellow 20-40cm 67
821 **Drymocallis** (Potentilla) arguta creamy white-yellowish 30-100cm 161
822 rupestris 'Nana' white 7-12cm 44 80
823 **Dudleya** pulverulenta red 30-100cm 143
824 **Dyckia** leptostachya orange-yellow flr/reddish lvs 30-90cm 121
825 rariflora orange/white 1m 139
826 sp orange 15cm 158
827 sp red 30cm 170
828 **Ecchremocarpus** scaber mix orange/red/lavender-pink 2-3m 94
829 scaber red-orange to 5m 61 65 87
830 **Echeandia** texensis 'Loma del Potrero Cerdado' yellow 90-150cm 186
831 pallida pale pink-purple to 1.4m 1 100 136
832 **Echinacea** purpurea pink-purple 50-120cm 167
833 purpurea 'Bravado' light-rose pink 90-120cm 1
836 amoenum russet-red 15-40cm 141 179
837 **Edraianthus** graminifolius blue-violet 5-10cm 44 52 129
838 graminifolius (Apennines form) blue 2-8cm 78
839 jugoslavicus (nv) blue-violet to 25cm 78
840 parnassicus violet 10-15cm 78
842 serpyllifolius deep violet 2-5cm 182
843 tenuifolius blue-violet 5-20cm 52
844 **Elliottia** bracteata white 30-50cm 106
845 **Elmera** racemosa white/cream 10-35cm 78 38
846 **Elsholtzia** stauntonii rose-purple 70-170cm 167
847 **Elymus** hystrix 60-120cm 47
849 **Emilia** javanica mix orange/red-orange/red 30-60cm 26
850 **Enemion** biternatum (moist packed) white 10-40cm 179
851 **Ennealophus** euryandrus blue-lavender 30cm 83
853 **Epilobium** canum reddish pink/red-orange to 60cm 87 140
854 canum 'Solidarity Pink' pale pink 20-60cm 94
855 canum ssp garrettii red-orange 15-40cm 138 165
857 **Epipactis** gigantea greenish-rose/red-brown 30-100cm 60
858 **Epiphyllum** 'Desert Sunrise' orange 40cm 150
860 **Epithelantha** micromeris (LAU749) pink 3-5cm 16
861 **Eragrostis** spectabilis reddish-purple 30-70cm 15
864 **Eremogone** (Arenaria) lychnidea white 10-20cm 147
866 **Eremurus** fuscus pale yellow-brownish 60-120cm 145
867 himalaicus white 75-100cm 182
868 robustus white 2.5-3m 173
869 stenophyllus hybrids yellow-orange 165

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- 870 *Erica* spiculifolia pale rose pink 15-25cm 100
871 *Erigeron* alpinus lilac/red-purple 15-20cm 111
872 arenarioides pale blue 6-25cm 133
874 compositus pink 5-15cm 52
875 compositus white 5-15cm 64
876 compositus 'Railroad Ridge' lavender-pink flr/grey-green lvs 5cm 133
877 compositus 'The Giant' white 20-25cm 140
878 elatior (short forms) 30-38cm 165
880 glaucus 'Olga' lavender to 30cm 52
881 howellii white 20-50cm 165
882 howellii white 5-7.5cm 6
884 leiomerus white/blue-purple 4-12cm 93
885 peregrinus purplish-pink/white 5-55cm 74
886 pumilus lilac/lavender 5-30cm 89 90
887 scopulinus white 0.5-3.5cm 52
888 sp (dwarf) 10cm 165
889 speciosus (ex Boulder Co, Colorado) purple 40cm 30
890 ursinus pink-bluish purple 5-25cm 165
891 *Erinus* alpinus mix 10-15cm 149
892 alpinus rose-pink 10-15cm >
893 alpinus white 10-15cm 44 47 68
894 *Eriogonum* compositum pale-bright yellow 20-40cm 165
895 heracleoides cream-off white/white woolly lvs 35cm 165
896 ovalifolium late white 2-30cm 165
897 ovalifolium mix 2-30cm 165
898 ovalifolium (cf) 165
899 umbellatum 'Shasta Sulfur' lemon yellow flr/grey-green lvs to 30cm 165
900 umbellatum v aureum 'Kannah Creek' yellow turns orange/purple-red winter lvs 30-40cm 165
902 umbellatum v porteri bright yellow 2-6cm 88 165
903 *Eriophyllum* lanatum yellow flr/woolly grey lvs 10-60cm 50
904 *Eritrichium* canum blue 15-40cm 29 48 134
906 *Erodium* manescavi magenta-pink 20-45cm 41 165
907 *Eryngium* aquaticum white-purplish tinge to 120cm 144
909 giganteum bluish-silver to 120cm 37 165
910 planum silvery blue to 60cm 42
911 yuccifolium greenish-white to 1.5m 42 129 144
912 yuccifolium 'Kershaw Blue' tan flr/powder-blue lvs 60-150cm 186
913 *Erysimum* franciscanum hybrids 139
914 marshallii (x) orange to 50cm 173
915 pusillum yellow flr/grey lvs 20-40cm 133
916 *Erythranthe* (Mimulus) cardinalis orange-red/scarlet 25-80cm 60
917 glabrata yellow 10-60cm 165
920 *Erythronium* revolutum violet-pink 15-40cm 20 68
921 *Escobaria* sneedii ssp leei brownish-pink 1.5-8cm 99
923 vivipara pink-magenta 2-20cm 88 99
924 *Eucomis* vandermerwei maroon flr/maroon blotch lvs 8-20cm 143
925 zambesiaca white to 30cm 143
926 *Euonymus* cornutus reddish-purple flr/red frt 2-3m 181
927 fortunei greenish-whitish flr/red-orange frt to 10m 181
928 nanus white-green flr/pink-red frt 1-2m 47
929 obovatus greenish-purple flr/red-orange frt 10-50cm 151
930 sachalinensis bright red frt 2-3m 181
931 *Euphorbia* leuconeura white flr/white-veined new lvs to 180cm 120
932 rigida acid yellow flr/blue-grey lvs 30-60cm 121
933 *Farfugium* japonicum yellow to 70cm 139
936 *Festuca* glauca 'Elijah Blue' silver-blue lvs 20-30cm 110
937 *Fibigia* clypeata yellow flr/grey felted lvs 15-75cm 24
938 macrocarpa yellow flr/grey lvs 25cm 78
939 *Foeniculum* vulgare 'Purpureum' yellow flr/purple-bronze lvs 90-180cm 165
940 *Frailea* buenekeri ssp densispina (ex AH 0054) yellow 2cm 107
941 pygmaea (ex PR 0182) yellow 1-3cm 107
942 *Francoa* appendiculata pale pink/rose markings 60-90cm 94
943 ramosa white/pink 60-90cm 112
944 sonchifolia white/pink line 20-60cm 112
945 *Freesia* laxa 'Joan Evans' white/red eye to 30cm 158
946 *Fritillaria* acmopetala yellowish green-purplish brown 30-70cm 60 85
947 acmopetala dark form brown/yellow 30-70cm 8
948 camschatcensis greenish-brown/brownish-purple 20-60cm 120 135 183
952 gussichiae green/reddish-brown shading 20-30cm 145
953 imperialis pale orange 40-100cm 75
954 kurdica (ex Armenia) 189
955 meleagris mix 15-40cm 59
956 meleagris purple checkered 15-40cm 21 57
957 meleagris white 15-40cm 38 179
958 meleagris (short form ex Ruksans) pure white 25-30cm 179
959 messanensis ssp gracilis red-purple/brown 20-35cm 8 186 189
960 michailovskyi brownish-purple/yellow tips 6-25cm 85 189
961 pallidiflora pale yellow 15-45cm >
962 persica plum purple-grey green 30-90cm 85 179
963 pontica pale green/maroon tinged 15-45cm 60 80 112
964 pyrenaica brownish-purple/yellow-greenish 15-30cm 20 60 85
965 pyrenaica ssp pyrenaica blackish-purple/yellowish inside 15-30cm 14
968 sp brown/purple/green 35cm 69
969 *Fritillaria* thunbergii pale yellow/slightly tessellated 15-80cm 143
970 *Gaillardia* aristata yellow 20-80cm 111
971 aristata 'Oranges and Lemons' peachy orange/yellow tips 30-45cm 136
972 *Galanthus* nivalis white/green blotch 7-20cm 179
974 *Gaultheria* pyrolloides cream-light pink flr/white frt 10-30cm 60
976 *Gazania* linearis 'Colorado Gold' yellow 10-15cm 142
977 *Gelasine* elongata bright blue-violet flr/grey-green lvs to 60cm 83 144
978 *Gentiana* acaulis blue 2-8cm >
979 andrewsii dark blue 30-60cm 31 41 177
980 andrewsii white 30-60cm 157
981 asclepiadea deep blue 60-90cm >
982 asclepiadea mix 30-80cm 56 132
983 asclepiadea white 60-90cm 59 74
984 asclepiadea 'Rosea' pink-rose 30-60cm 94
985 autumnalis deep blue 30-60cm 151
986 calycosa deep blue 5-45cm 138
987 clausa blue-purple 30-60cm 4 94
989 cruciata violet-blue 20-40cm 84 94
990 cruciata 'Blue Cross' dark blue to 30cm 163
991 dahurica dark blue-purple 10-25cm 142
993 linearis blue-purple 30-60cm 151
994 lutea yellow 1-2m >
996 paradoxa x septemfida blue 10-20cm 165
1002 *Geranium* cinereum hybrid purple 137
1003 maculatum white 30cm 38
1004 maculatum (ex wild Michigan) lilac-pink/rose to 60cm 179
1005 maculatum 'Espresso' lavender flr/brown lvs 45-60cm 38 95
1008 pratense blue-purple 60-90cm 165
1010 sanguineum 'Striatum' purple 15cm 40
1011 sp (ex Chris Chadwell) rose-pink 16-25cm 45
1013 thunbergii 'Jester's Jacket' pink flr/cream-pink-green splashed lvs to 30cm 26
1014 viscosissimum (ex Big Horns) purple 137
1015 *Geum* coccineum red-orange 30-45cm 111
1016 coccineum 'Koi' bright red-orange to 20cm 142
1017 magellanicum yellow to 75cm 30
1018 montanum bright yellow 10-35cm 78
1019 rivale pink 25-70cm 24
1020 rivale yellow/purple-brown 25-70cm 111 165
1021 triflorum cream/pink-purple 10-45cm 29
1022 *Gillenia* stipulata white 40-100cm 23
1023 trifoliata white/pale rose 40-100cm 4 73 161
1024 *Gladiolus* carneus white/pink 25-60cm 121
1026 communis reddish purple 50-100cm 60
1027 dalenii 'Boone' peachy-apricot 60-120cm 28
1028 flanagani bright red/paler red to 30cm 92 94
1029 imbricatus reddish-violet purple 40-60cm 60 176
1030 italicus pink-light purple 50-100cm 14
1031 kotschyanus deep violet-purple/lilac 35-65cm 117
1032 scabridus bright pink to 100cm 174
1033 *Glaucidium* palmatum mix 45-60cm 101
1034 palmatum pink-pale purple 45-60cm >
1036 *Glaucidium* acutidentatum hybrids orange/red/yellow 165
1037 fimbriigerum yellow/orange 30-60cm 1
1038 flavum orange to 80cm 9
1039 flavum yellow to 80cm 83
1040 grandiflorum dark orange-red 30-50cm 109
1041 segetum yellow to 80cm 150
1042 *Globularia* incanescens pale blue 5-10cm 147 149
1043 meridionalis lavender-blue 10-15cm >
1044 nudicaulis violet-blue 20-30cm 142
1045 repens blue-lilac 1-5cm 46 172
1047 stygia blue 5-10cm 165
1048 trichosantha violet-blue 15-20cm 79 165
1049 valentina violet-blue 7-30cm 78 87 147
1050 *Gomphocarpus* fruticosus white-cream to 150cm 26
1051 physocarpus (PI-tropical areas) white flr/lime-green seed pod 120-180cm 26
1052 *Gymnocalycium* amerhauseri creamy white-pale pink 2-6cm 107
1053 *Gypsophila* patrinii purple-red 25-60cm 1
1054 repens pale lilac-purple to 15cm 36
1055 repens 'Rosea' pink flr/grey-green lvs to 15cm 99
1056 *Habranthus* robustus pale pink 15-30cm 83 144 158
1057 tubispathus yellow-copper 10-20cm >
1058 tubispathus (texanus form) yellow-copper 20cm 79
1059 *Hakea* microcarpa whitish to 2m 149
1060 *Halesia* diptera Magniflora Group white 7-11m 101
1061 *Haloragis* erecta 'Wellington Bronze' bronze lvs 60-90cm 33
1063 *Halenopappus* prunelloides yellow 3-10cm 6
1065 *Helenium* amarum yellow 10-100cm 15
1066 *Helianthemum* apenninum white flr/greyish lvs to 50cm 178
1067 nummularium compact form 165
1069 *Helianthus* maximiliani yellow 50-300cm 161
1070 microcephalus yellow 20-200cm 161
1071 *Helichrysum* arenarium yellow flr/grey woolly lvs 10-30cm 75
1072 aureum v scopulosum yellow flr/grey woolly lvs 5-30cm 165
1073 *Heliopsis* helianthoides v scabra 'Sunburst' golden yellow flr cream-green variegated lvs to 90cm 26

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- 1074 **Helleborus** 'Atrorubens' (hort) (moist packed) plum to 40cm 179
 1075 foetidus yellow-green 30-80cm 43 183
 1076 foetidus (moist packed) yellow-green 30-80cm 179
 1077 foetidus Krenitsky Strain light green flr/dark green lvs 50-60cm 186
 1078 foetidus 'Leather and Lace' light green flr/dark black-green lvs 50-90cm 186
 1079 foetidus 'Sienna' (moist packed) greenish white flr/dark greenish-black lvs 30-60cm 179
 1080 foetidus Wester Flisk Group lime green flr/dark red stems/grey-green lvs to 80cm 169
 1082 hybridus (x) (moist packed) dark slate-black to 45cm 179
 1083 hybridus (x) (moist packed) deep pink/dark red eye to 45cm 179
 1084 hybridus (x) (moist packed) double white/dark pink spots 45cm 35
 1085 hybridus (x) (moist packed) light pink/green to 45cm 179
 1086 hybridus (x) (moist packed) mixed doubles to 45cm 188
 1087 hybridus (x) (moist packed) mixed yellows to 45cm 188
 1088 hybridus (x) (moist packed) pale apricot/rose blush to 45cm 35
 1090 hybridus (x) (moist packed) pure pale pink to 45cm 179
 1091 hybridus (x) (moist packed) pure white to 45cm 179
 1092 hybridus (x) (moist packed) white/dark veins to 45cm 179
 1093 hybridus (x) anemone-centered (moist packed) mix to 45cm 188
 1094 hybridus (x) anemone-centered (moist packed) raspberry center/white/dark pink picotee 45cm 35
 1095 hybridus (x) anemone-centered (moist packed) white center/white/dark pink spots 45cm 35
 1096 hybridus (x) Ashwood Garden Hybrid (moist packed) blacks 25-30cm 188
 1097 hybridus (x) Ashwood Garden Hybrid (moist packed) frosted 25-30cm 188
 1098 hybridus (x) Ashwood Garden Hybrid (moist packed) veined picotee 25-30cm 188
 1099 hybridus (x) 'Birkin's Double Pink' (moist packed) double pink to 45cm 179
 1100 hybridus (x) 'Eco Black Lace' (moist packed) pink/dark veins to 45cm 179
 1101 hybridus (x) 'Eco Dragon's Blood' (moist packed) pink/green w/dark spots to 45cm 179
 1102 hybridus (x) 'Neon' Ashwood Evolution Group (moist packed) yellow-golden/deep red veins 25-30cm 188
 1103 hybridus (x) 'Spring Promise Rachel' burgundy red/dark spotted to 45cm 169
 1104 lividus pale green-pink flr/blue-green silver veined lvs to 45cm 186
 1105 lividus ssp corsicus pale green-cream 45-90m 112
 1107 niger (moist packed) white 15-30cm 179
 1109 **Helonias** bullata purplish pink 10-60cm 151
 1110 **Heloniopsis** orientalis v breviscapa white 10cm 106
 1112 **Hemerocallis** lilioasphodelus yellow 70-80cm 60
 1115 **Heraclium** maximum white 2m 54 61
 1116 sphondylium 'Purpureum' red-purple 50-200cm 165
 1117 **Herbertia** pulchella blue/violet 15-20cm 48
 1118 **Hesperaloe** parviflora pink/yellow inside 150cm 136
 1119 **Hesperantha** baurii bright pink to 20cm 58 73 149
 1120 huttonii pink 20-45cm 60
 1124 **Heterotheca** villosa yellow 16-40cm 55
 1126 **Heuchera** americana greenish white/pink/purple 40-145cm 23
 1127 cylindrica cream white-green 9-55cm 122
 1128 pulchella pink/white 7-15cm 138
 1129 pulchella reddish rose/pink 7-15cm >
 1130 richardsonii green/greenish-white 20-95cm 24
 1131 rubescens pink 10-32cm 24
 1132 **Hibiscus** coccineus bright red to 3m 168
 1133 moscheutos pink to 2.5m 86
 1134 **Hieracium** bombycinum yellow flr/woolly lvs 5-20cm 111
 1135 longipilum yellow flr/hairy lvs-stem 30-75cm 117
 1136 maculatum yellow flr/mottled lvs 10-50cm 133
 1137 schmidtii yellow flr/hairy lvs 10-40cm 161
 1138 sp clear yellow flr/silver lvs to 20cm 4
 1139 tomentosum yellow flr/white woolly lvs 10-40cm 47 165 178
 1140 villosum yellow flr/silver-grey woolly lvs 30-45cm 44 47 165
 1141 **Hilaria** rigida 35-250cm 139
 1143 **Hormathophylla** spinosa white flr/grey-green lvs 15-30cm 99
 1144 spinosa 'Roseum' rose-pink flr/grey lvs 15-30cm 68
 1145 **Horminum** pyrenaicum violet-blue/dark purple 20-45cm 28 93
 1146 **Homungia** alpina white 5-10cm 146
 1147 **Hosta** capitata 'Albiflora' white 25-70cm 154
 1148 ventricosa violet-bluish purple 60-90cm 2
 1149 venusta purple violet 8-24cm 119
 1151 **Hunnemannia** fumarifolia yellow flr/grey-green lvs to 60cm 13
 1154 **Hydrangea** quercifolia white-pink 1-2m 110
 1155 quercifolia 'Ruby Slipper' white flr turns ruby red 90-120cm 167
 1156 sikokiana white to 3m 188
 1157 **Hydrastis** canadensis (moist packed) white flr/red frt 15-50cm 179
 1158 **Hymenoxys** hoopesii yellow-orange 30-100cm 122
 1159 **Hypericum** ascyron (ex Quebec) yellow 80cm 151
 1160 athoum pale yellow to 20cm 106
 1161 cerastioides yellow 6-25cm 60
 1162 cerastioides (ex Rhodope Mtns, Bulgaria) yellow prostrate 184
 1163 inodorum (x) yellow flr/yellow lvs 1m 94
 1164 olympicum yellow flr/grey-green lvs to 25cm >
 1165 **Hypericum** olympicum f uniflorum yellow 15cm 49
 1166 orientale yellow 10-30cm 68
 1167 przewalskii yellow 30-55cm 161
 1168 sp (small lvs 2cm long, flowers 5cm) bright yellow flr/blue-green lvs 30cm 132
 1169 **Hyssopus** seravschanicus blue-violet 40-50cm 165
 1171 **Iberis** sempervirens white 15-30cm 40
 1172 simplex white flr/violet bud 5-10cm 96 165
 1173 **Ichtyoselmis** (Dicentra) macrantha ivory white/pale yellow 60-150cm 60
 1174 **Ilex** mucronata whitish-greenish yellow to 3m 183
 1175 verticillata 'Red Sprite' white flr/red frt 90-150cm 167
 1176 **Iliamna** remota pale rose-purple 1-2.5m 103
 1180 **Incarvillea** delavayi rose-purple/pink 30-60cm 22
 1181 diffusa pink/purple-red to 1.5m 139
 1182 olgae pink-purple 100-150cm 94 143
 1183 sp rose-purple 30cm 94
 1184 **Indigofera** heterantha pink-light purple 1-2m 124
 1185 pseudotinctoria 'Rose Carpet' rose pink 20-30cm 167
 1186 **Inula** acaulis yellow 5-10cm 84
 1187 anatolica (ex Bolkar Dag, Turkey) 186
 1188 ensifolia yellow 25-40cm 45
 1189 helenium yellow 50-150cm 169
 1190 magnifica yellow to 1.8m 94
 1193 **Ipomopsis** aggregata ssp aggregata orange red 72cm 9
 1194 rubra scarlet red 60-180cm 126 168
 1195 **Iris** bucharica white/yellow 20-40cm 189
 1196 bulleyana pale lilac/blue violet 10-70cm 30
 1197 Cal-Sib hybrid (Pacific Coast x Sibirica) (dwarf) white 20-30cm 101
 1199 chrysographes (aff) white 60cm 56
 1200 clarkei blue-violet 30-60cm 176
 1203 dichotoma purple 40-60cm 67
 1204 domestica orange 60-90cm 35 116
 1205 domestica orange-red-yellow/red spots 60-90cm 83 102 144
 1207 domestica 'Hello Yellow' yellow 25-60cm 35 83
 1208 ensata mix 25-100cm 101
 1209 foetidissima dull lilac-pale yellow flr/scarlet frt 30-60cm 56
 1210 fulva copper/reddish brown 30-90cm 81
 1212 halophila v sogdiana violet/yellow 20-60cm 145 183
 1213 halophila v sogdiana (ex Ketman, Kazakhstan) pale blue 30-50cm 184
 1215 hookeri deep-pale blue/blue-violet 5-60cm >
 1217 innominata yellow 25cm 60
 1219 lactea (ex Almaty, Kazakhstan)(hp) purple 70cm 67
 1220 latifolia deep blue to 60cm 189
 1221 latifolia purple-lilac to 60cm 60
 1222 magnifica pale lilac-white/yellow zone 30-60cm 80
 1223 magnifica white 30-60cm 58
 1224 magnifica 'Agalik' light blue-nearly white 40-60cm 112
 1225 magnifica 'Agalik' (hp) white 40cm 67
 1226 milesii purple 40cm 139
 1227 missouriensis blue-purple 25-60cm 118
 1228 norrisii (x) dark purple 60-90cm 26
 1229 norrisii (x) 'Dazzler' mix yellow/orange/pink/purple/red to 40cm 69
 1230 norrisii (x) 'Wine and Yellow Roses' golden yellow/maroon to 90cm 35
 1231 prismatica pale violet/blue 30-80cm 67 151
 1233 pumila ssp attica (ex Evia, Greece) yellow 85
 1235 sanguinea (hp) blue 40-70cm 67
 1237 setosa dark blue-violet/purple 15-90cm 93
 1238 setosa lavender-blue 15-30cm 69
 1239 setosa mix 15-90cm 101
 1240 sibirica violet/blue 50-120cm 111 161
 1241 sibirica 'Caesar's Brother' deep blue-purple 75-100cm 17
 1242 sintenisii blue-violet 20-35cm 159 185
 1243 sintenisii (ex Abant, Turkey) dark blue 20cm 184
 1244 specularis (hp-mixed clones) shades of lavender 45-65cm 67
 1247 tectorum bluish-violet 20-40cm 47
 1248 tectorum mix purple/white 20-40cm 39
 1249 tectorum white 20-40cm 34
 1250 tectorum 'Woolong' lavender-blue violet 25-50cm 116
 1251 typhifolia dark violet 50-90cm 47
 1252 unguicularis (hp) white 40cm 67
 1254 versicolor lavender 20-60cm 168
 1255 versicolor violet-blue/purple 20-60cm 60
 1256 xanthosporia (hp) deep yellow 100cm 67
 1257 **Isodon** effusus light blue-purple 70-100cm 35
 1260 **Jasione** laevis blue 20-30cm 176
 1262 **Jeffersonia** diphylla (moist packed) white 40cm 94 179
 1263 **Kalimeris** incisa pale blue 30-45cm 4 110
 1265 **Keckiella** corymbosa pink-red 30-60cm 28
 1266 **Kennedia** coccinea orange-red/pink to 3m 121
 1267 **Kniphofia** ensifolia red tinged buds/greenish-cream flr to 1.8m 65
 1268 hirsuta orange red/yellow 30-60cm 121
 1269 uvaria orange-greenish yellow 50-120cm 56
 1270 **Koelreuteria** paniculata 'Rose Lantern' yellow flr/coral seed pod to 10m 101
 1271 **Koenigia** forrestii white 5-20cm 112

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- 1273 **Lachenalia** longituba white 7cm 94
1274 **Lallemantia** canescens dark violet blue-lavender 20-50cm 36 147 165
1275 **Lathyrus** odoratus mix/fragrant 1-2m 134
1276 vernus blue-purple 20-40cm 164
1277 vernus mixed purple/pink/white 20-40cm 39
1278 vernus reddish-purple 20-40cm 142 179
1280 **Lavandula** angustifolia lavender-purple to 1m 22
1281 angustifolia (dwarf) purple 30cm 21
1282 **Leibnitzia** anandria white/pink 5-20cm 47
1283 **Leontopodium** nivale white woolly flr & lvs 3-20cm 90 168
1284 **Leopoldia** cycladica (JJA 689.210) brown-yellow/pale violet 30cm 12
1285 weissii brown-yellowish/violet-purplish 8-30cm 60
1286 **Lepechinia** fragrans white flr/furry grey-green lvs 60-180cm 140
1287 **Levisticum** officinale yellow/greenish-yellow 1.8-2.5m 11
1290 **Lewisia** columbiana white/pink-magenta 10-30cm 133
1292 cotyledon mix 10-30cm 133
1294 cotyledon hybrids pink 10-15cm 85
1295 cotyledon hybrids white 10-15cm 85
1300 **Leycesteria** formosa white-pink/purple bract 1-5m 60
1301 **Liatris** ligulistylis pinkish purple 20-100cm 4
1302 microcephala lavender-purple 30-80cm 4
1303 punctata lavender-purple 15-85cm 78
1304 pycnostachya deep rose purple 60-120cm 4
1305 spicata lavender-blue 40-110cm 144
1306 **Libertia** sessiliflora pale blue to 60cm 65
1307 **Ligusticum** scoticum green-white 15-60cm 165
1308 **Lilium** apertum (ex Archibald 4.576.007) pink 65
1310 brownii v viridulum white 70-200cm 182
1311 canadense orange to 1.8m 38 143
1312 concolor 'Shikoku Yellow' yellow/red spots 30-60cm 186
1313 formosanum v formosanum white/flushed purple reverse 20-55cm 44 78
1315 henryi orange/dark spots 1-2m 69 81
1316 henryi hybrid white/orange center 150cm 182
1320 martagon burgundy/wine red 1-2m 160
1321 martagon mix 1-2m 181
1322 martagon pink-purple/spotted 1-2m >
1323 martagon white 1-2m >
1324 martagon white/pink 1-2m 94
1325 martagon yellow/pink/silver 1-2m 59
1326 martagon 'Albiflorum' white/purple speckles-pink blush 90-150cm 74
1327 martagon 'Gaybird' dark pink/heavily spotted/yellow center 100-150cm 74
1328 martagon 'Orange Marmalade' bright orange 90-120cm 74
1329 martagon 'Painted Ladies' mix 60cm 59
1330 martagon 'Rose Arch Fox' rose pink/peach to 120cm 74
1332 pardalinum ssp shastense orange-red to 2m 12
1333 pomponium red 40-50cm 20
1334 pumilum bright red 15-60cm 145 179
1335 pyrenaicum yellow to 130cm 111
1336 pyrenaicum yellow/orange/red to 130cm 85
1337 regale white/yellow throat/purple flush reverse 120-150cm 11 18 143
1338 superbum yellow-red orange/maroon spots to 2.8m 4
1339 **Limnanthes** douglasii white/yellow center 3-35cm 109
1340 **Limonium** minutum light violet 10-15cm 93 133
1342 **Linaria** aeruginea yellow/purple-brown 10-20cm 29
1343 alpina blue-purple/orange lip 5-20cm >
1344 alpina mix 5-20cm 163
1345 alpina white/yellow 5-20cm 163
1346 purpurea 'Springside White' white 30-90cm 103
1347 reticulata 'Spanish Dancer' crimson/yellow 25-45cm 120
1348 **Linnaea** amabilis light pink to 3m 179 101
1349 **Linum** arboreum yellow 30-50cm 55
1350 austriacum blue to 60cm 1
1351 lewisii blue 5-80cm 87 109 165
1352 narbonense rich blue 40-45cm 165
1354 **Loasa** tricolor white/red-yellow center 90-100cm 29
1355 **Lobelia** bridgesii pink 60-90cm 28
1356 cardinalis red 60-120cm >
1357 cardinalis white 60-120cm 104
1358 siphilitica blue 60-90cm 77 160
1359 siphilitica white 60-90cm 104 119
1360 siphilitica 'Mistassinica' blue 10-25cm 44 100 134
1361 **Lobivia** sp (as albiflora) (nv) white 85
1362 **Lobularia** maritima white 5-30cm 29
1363 **Lomatium** papilioniferum yellow 15-50cm 149
1364 **Lomelosia** caucasica pale blue-lavender to 60cm 22
1365 caucasica 'Fama Deep Blue' deep blue 45-60cm 28
1366 crenata rosy-lilac 10-25cm 167
1368 **Lotus** corniculatus (PI) yellow 3-12cm 96
1369 maritimus yellow flr/bluish-green lvs 10-30cm 117
1370 **Lunaria** annua purple 60-90cm 21 167
1371 annua 'Alba Variegata' white flr/variegated lvs 60-90cm 160
1372 rediviva pale lilac-lavender 60-90cm 30
1373 **Lupinus** arboreus yellow to 2m 120
1374 densiflorus white-yellow/pink-lavender 10-80cm 32
1375 perennis blue-purple to 60cm 142
1376 **Lupinus** polyphyllus blue/white 90cm 82
1377 regalis 'Thomas Church' purple/yellow to 90cm 28
1378 **Luzula** sylvatica 30-80cm 24
1379 **Lychnis** arkwrightii (x) scarlet-orange 30-40cm 111 165
1380 **Lychnis** arkwrightii (x) 'Vesuvius' orange-red flr/purple lvs to 45cm 120
1381 **Lysimachia** ephemera white flr/grey-green lvs to 1m 4
1382 **Magnolia** sieboldii white 5-10m 4 47 181
1383 sieboldii 'Colossus' white/rose stamens 3-7.5m 101
1384 tripetala creamy white to 15m 55
1386 **Maianthemum** (Smilacina) racemosum white flr/red frt 75-125cm 177
1387 racemosum (moist packed) white 75-125cm 179
1388 **Maihuenia** poeppigii pale yellow 10-15cm 88 117
1389 **Malva** moschata white to 90cm 176
1390 **Manfreda** maculosa pale yellow-white turn pink-rose flr/spotted lvs 36cm lvs/130cm flr 13
1391 virginica yellow-green 8-40cm lvs/140cm flr 86
1393 **Marshallia** caespitosa white-pale lavender 20-50cm 15
1394 obovata white 10-60cm 28
1395 **Massonia** echinata (pubescent form) white 5cm 3
1397 pustulata (hp) 109
1398 **Mathiasella** bupleuroides green turns pinkish 90-150cm 109
1399 **Maurandya** antirrhiniflora blue-violet/rose-pink 1-2m 32 109 158
1400 **Meconopsis** aculeata sky blue/blue-purple 30-60cm 112
1401 baileyi blue to 1m 17 59 112
1402 baileyi violet-purple to 1m 112
1403 baileyi white to 1m 112
1404 baileyi 'Hensol Violet' violet/mauve 80-120cm 74
1405 betonicifolia blue 30-90cm 111
1406 Fertile Blue Group blue 60-120cm 45
1408 'Lingholm' (Fertile Blue Group) sky blue 1-1.2m 112
1409 zhongdianensis blue 50-70cm 112
1410 **Melampodium** leucanthum cream-white 12-40cm 159
1411 **Melasphaerula** ramosa cream-pale yellow 30-50cm 109
1412 **Melianthus** major dark rusty-red flr/blue-green lvs to 2.5m 94
1413 **Mentzelia** nuda white-pale cream to 1m 165
1414 **Mertensia** virginica (moist packed) blue flr/pink buds 45-60cm 39 179
1416 **Metasequoia** glyptostroboides to 50m 167
1417 **Micranthes** (Saxifraga) pennsylvanica white-cream/purple 25-125cm 15
1418 **Mirabilis** jalapa mix 60-90cm 11
1419 jalapa 'Limelight' hot pink flr/chartreuse lvs 60-75cm 94 103
1420 longiflora white 50-150cm 103
1421 multiflora magenta 40-70cm 99 153
1422 **Mitella** diphylla white 10-45cm 111
1423 diphylla (cf) pink 30-40cm 38
1424 **Moltkia** petraea deep violet-blue 20-40cm 165
1425 **Monarda** austroappalachiana white-creamy 30-50cm 168
1426 bradburiana pinkish-white w/purple spots 30-60cm 15
1427 fistulosa lavender-pink 50-120cm 44
1429 **Monardella** macrantha 'Marion Sampson' bright red 7-15cm 165
1430 **Moraea** alticola pale yellow to 90cm 149
1431 huttonii yellow to 1m 58
1432 polystachya light blue-lavender 50-80cm 67
1433 **Morina** longifolia white turns pink-deep red to 90cm 45 94 132
1434 **Muhlenbergia** lindheimeri purplish-tinged 50-150cm 26
1435 **Muscari** armeniacum pink 15-25cm 85
1436 armeniacum 'Valerie Finnis' pale lavender-light blue to 20cm 179
1437 'Blue Boy' blue 15-20cm 59
1439 latifolium dark purple/pale violet 15-30cm 20 179
1441 sp (dwarf, not weedy) 165
1442 **Myosotis** alpestris blue 5-20cm 59 173
1445 **Narcissus** bujei (F&JK 1030 ex Sierra Magina, Spain) yellow 30cm 182
1446 bulbocodium v citrinus pale yellow to 15cm 20
1448 confusus (JCA 699.991) yellow 25cm 182
1449 flavus yellow 30cm 57
1452 romieuxii ssp albidus v zaianicus white/pale yellow 7-23cm 57 58
1453 rupicola yellow to 23cm 68 85
1454 **Nemophila** menziesii blue/white eye to 15cm 54
1455 **Nicandra** physalodes (PI) blue-purple 40-150cm 111
1456 **Nicotiana** alata white 90-150cm 29
1457 attenuata white 50-150cm 120
1458 langsdorffii chartreuse to 1.5m 120
1459 **Nigella** damascena blue 20-50cm 165 167
1460 damascena 'Persian Jewels' mix to 40cm 11
1461 **Nolina** microcarpa white 30-150cm 124
1463 **Notholirion** bulbuliferum pale purple/blue purple 60-150cm 108
1465 **Oenothera** acaulis 'Aurea' yellow 5-10cm 60
1466 argillicola yellow to 60cm 1
1467 elata ssp hookeri yellow 40-180cm 54
1468 gaura white-light pink to 180cm 161
1469 glazioviana yellow fading red-orange 50-150cm 44
1470 kunthiana pink 15-20cm 60
1471 lindheimeri white 50-150cm 110
1472 longituba yellowish green 50-100cm 60
1473 macrocarpa yellow 15-30cm 44
1474 macrocarpa ssp fremontii yellow flr/silvery-green lvs 15-20cm 165
1475 macrocarpa ssp incana yellow flr/silver lvs to 20cm 44
1476 nana yellow to 10cm 106

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- 1477 **Oenothera** rosea pink/rose-purple 10-50cm 161
1478 serrulata yellow-fades orange-pink to 46cm 165
1479 sp biennial yellow flr/crenulated lvs 90cm 44
1480 **Onosma** caerulescens white-pink flr/blue hairy lvs 10-25cm 165
1481 cinerea (cf) pale yellow flr/grey hairy lvs to 40cm 179
1482 echioides pale yellow 15-30cm 165
1484 **Opuntia** cyclodes (ex Big Bend, Texas) 165
1485 fragilis (spineless) yellow 2-10cm 99
1486 macrocentra yellow/red center flr/purple-tinged pads to 1m 165
1487 phaeacantha yellow-red/pink 30-100cm 165
1488 polyacantha (ex Washington) yellow flr/densely spined 7cm 152
1489 polyacantha v erinacea yellow/magenta 10-25cm 165
1490 **Orbexilum** pedunculatum v psoralioides 'Nash' lavender 45cm 186
1491 **Origanum** 'Kent Beauty' rose-pink flr/silvery lvs to 25cm 120
1492 rotundifolium lavender-pink/pale green bracts/pale grey lvs 10-20cm 94
1493 **Ornithogalum** candicans white to 120cm 108 143
1494 princeps pale green-cream 60-90cm 108
1495 pyrenaicum pale greenish-yellow 30-60cm 14
1496 regale pale green 90-120cm 108
1497 saundersiae white/black ovary 30-100cm 83
1498 viridiflorum pale yellow-green to 1m 49
1499 **Orostachys** aggregata white-cream flr/grey-green lvs 10-15cm 39
1500 iwarenge pink-white flr/lavender-grey lvs to 15cm 163
1501 **Ostrya** virginiana to 18m 71
1502 **Ourisia** macrophylla white 20-60cm 112
1504 **Oxypetalum** coeruleum sky blue 15-100cm 29 109
1505 **Packera** aurea yellow 30-60cm 105
1506 **Paeonia** anomala pink to 1m 56 74
1507 anomala rose-red to 1m 59 115
1508 anomala ssp veitchii mix 30-90cm 181
1509 anomala ssp veitchii pink 30-90cm 111
1510 anomala ssp veitchii rose-red 30-90cm 85 149
1514 daurica ssp coriifolia red-rose 70-100cm 68 149
1517 daurica ssp mlkosewitschii (JJA 747.109) pale yellow 60cm 9
1518 daurica ssp mlkosewitschii (aff) dark red 80-100cm 149
1520 delavayi red 20-180cm 139
1521 delavayi f lutea (compact form) yellow flr/green lvs 149
1522 delavayi f lutea (compact form) yellow flr/red lvs 149
1524 lactiflora white/pink to 70cm 109
1525 lactiflora 'Krinkled White' white 60-90cm 59
1526 lactiflora 'Sea Shell' pink 75-90cm 59
1527 ludlowii yellow to 3.5m 45 94
1528 mascula deep purplish-pink to 90cm 112
1529 mascula ssp russoi white 75cm 81
1530 obovata cream 30-70cm 4
1531 obovata white 30-70cm 81 169
1532 obovata ssp japonica white 30-70cm 72 95 164
1533 obovata ssp willmottiae white 30-70cm 14 154
1534 officinalis deep pink/deep red 60-70cm 65
1535 officinalis ssp banatica red 30-60cm 1
1536 officinalis ssp officinalis dark crimson 40cm 74
1537 officinalis ssp officinalis pink 60cm 75
1538 officinalis ssp officinalis red-pinkish 35-90cm 189
1539 ostii white to 1.5m 4 186 188
1540 peregrina brilliant red 30-70cm 9 65 177
1542 rockii white/dark purple eye to 1.8m >
1543 rockii hybrid pink 70-80cm 115
1545 'Smouthii' (tenuifolia x lactiflora) dark crimson 30-45cm 74
1546 suffruticosa (x) mix to 1.5m 4 179
1548 **Papaver** alpinum (as rhaeticum) yellow to 20cm 78
1549 atlanticum soft apricot orange to 45cm >
1550 atlanticum 'Flore Pleno' semi-double orange 45-60cm 7 23
1551 cambricum mix 40-60cm 24
1552 cambricum orange 40-60cm 45 69
1553 cambricum yellow 40-60cm >
1554 cambricum 'Frances Perry' scarlet/red 40-60cm 24
1555 dahlianum white 10-25cm 148
1557 dubium reddish/pale scarlet 30-60cm 165
1558 nudicaule light orange 10-40cm 119
1559 nudicaule mix 10-40cm 173
1560 orientale mix 30-90cm 173
1561 orientale orange single 30-90cm 59
1562 orientale red 30-90cm 148
1563 orientale 'Prinzessin Victoria Louise' salmon-pink/black center 60-90cm 59
1564 radiculatum ssp kluanensis yellow to 17cm 123
1565 rhoeas deep red 60
1567 rupifragum brick-red to 50cm 165
1568 rupifragum orange-apricot 30-50cm 29
1569 somniferum coral to 120cm 110
1570 somniferum dark maroon-black single to 120cm 28
1571 somniferum lavender/dark spots to 120cm 26
1572 somniferum mix to 120cm 23
1573 somniferum red mix single/double to 120cm 26
1574 somniferum 'Black Swan' double fringed burgundy-black to 120cm 142
1575 somniferum 'Cherry Glow' cherry red to 120cm 103
1576 somniferum 'Lauren's Grape' deep red-purple to 120cm 82 122 179
1577 **Papaver** somniferum 'Orange Chiffon' orange to 120cm 174
1578 sp orange/purple spots 30cm 69
1579 triniifolium pale red-scarlet flr/grey-green lvs to 45cm 159
1580 **Paradisea** liliastrum white 30-90cm 65
1581 lusitanica white 80-120cm 60 108
1583 **Paris** quadrifolia yellow-green flr/blue-black frt 25-40cm 112
1584 **Parnassia** asarifolia white/green veins 18-50cm 151
1585 cabulica white 11-16cm 112
1586 glauca white/green veins 10-60cm 151
1587 grandifolia white 12-70cm 151
1588 palustris white 8-35cm 112
1589 **Parodia** mammulosa (ex ISI 2013-6) yellow 6-10cm 107
1595 **Peltoboykinia** watanabei cream-yellow 45-85cm 47
1596 **Penstemon** albidus white/pink-lavender tinge 15-50cm 82
1597 barbatus red/orangish red 30-100cm 87 99 122
1598 barrettiae lilac-purple 13-40cm 138 153
1599 breviculus dark blue-violet/purple 8-20cm 78
1600 caespitosus blue-purplish lavender 2-8cm 179
1601 calycosus pink/rose/rosy-purple 60-90cm 24
1602 cardinalis red-crimson 32-100cm 122 124 126
1603 cardwellii bright purple/blue-violet 10-30cm 140
1604 cardwellii hybrids mix 68
1605 cobaea purple 25-65cm 47
1606 'Dark Towers' pale pink flr/dark bronze-red lvs 45-90cm 177
1607 davidsonii blue-lavender/violet/purple 4-17cm 124
1608 davidsonii lavender pink 25cm 103
1609 davidsonii white 10-15cm 80
1610 davidsonii v praeteritus bluish lavender-violet 4-10cm 138
1612 digitalis white 25-90cm 105
1613 eatonii red-scarlet 40-100cm 154
1614 fruticosus bluish lavender-purplish violet 15-40cm 165
1615 fruticosus hybrids mix 68
1616 fruticosus v scouleri white 15-40cm 28
1617 globosus blue-purple/violet 20-65cm 153
1618 gormanii lavender-purple/bluish violet 10-30cm 131
1619 grandiflorus cerise 45cm 124
1620 grandiflorus light lavender 50cm 141
1621 grandiflorus (ex Isanti Co MN) pink/mauve to 90cm 47
1622 hallii blue-violet/purple 7-25cm 131 138
1623 heterophyllus blue-violet/purple 30-150cm 22 54
1624 hirsutus lavender-violet/white 20-60cm 44 165
1625 hirsutus white 30cm 10
1626 hirsutus 'Pygmaeus' lavender/white 15cm >
1627 hirsutus 'Pygmaeus' light pink 15cm 172
1628 hirsutus 'Pygmaeus' mauve 15cm 31
1629 hirsutus 'Pygmaeus' white 15cm 39 131
1630 'Juan Jose' light purple 75-100cm 94
1631 kunthii red 90-120cm 56
1632 linarioides blue/lavender 8-50cm 99
1633 lyallii pale lavender 30-80cm 140
1634 mensarum dark purple-blue 40-50cm 52 78 130
1635 murrayanus red 50-150cm 126
1637 ovatus blue-lavender 76cm 132
1638 ovatus violet-blue/purple 30-100cm 140
1639 palmeri pale pink-white/pinkish lavender 43-140cm 34 124 152
1640 pinifolius orange 10-50cm 45 99
1641 pinifolius red 15cm 76
1642 pinifolius scarlet 10-50cm 94
1643 procerus v formosus violet-blue/purple 3-15cm 165
1644 procerus v tolmiei deep purple-blue 5-15cm 172
1645 pseudospectabilis rose pink 30-100cm 99
1646 'Red Rocks' bright rose-red to 45cm 94
1648 rupicola hybrids mix 68
1649 secundiflorus mix 15-50cm 80
1650 secundiflorus pink 20-45cm 141
1651 serrulatus blue-violet/purple 13-80cm 60 131 153
1652 'Six Hills' lilac-purple to 20cm 56
1653 smallii lavender-violet/purple 35-80cm 119
1654 smallii white 50cm 9
1655 sp (prostrate, sprawling) blue/white 15cm 118
1656 strictus purple-violet/blue 35-70cm 138
1657 superbus hot pink 80cm 130
1658 uintahensis sky blue/blue-violet 5-15cm 153
1659 venustus lavender-purple/violet 18-80cm 141
1660 virens deep blue-violet 10-40cm 52 138 178
1661 virgatus v asa-grayi violet-pink lavender/purple 20-65cm 141
1662 whippleanus dark wine purple 20-65cm 106
1663 wrightii red-pink 40-70cm 117
1664 **Persicaria** virginiana 'Painter's Palette' red flr/green-white-red lvs 45-60cm 71 116
1665 **Petrophytum** caespitosum white to 10cm 149 165
1666 **Petrorhagia** saxifraga pink 5-40cm 120
1667 saxifraga white-pink 5-40cm 73
1668 **Petunia** exserta bright red 30-60cm 29 87 60
1670 **Phacelia** bolanderi lavender-bluish 15-20cm 94 98
1671 sericea dark blue-purple flr/silvery silky lvs 10-60cm 138
1672 tanacetifolia blue-lavender 15-100cm 110
1673 **Phalocallis** coelestis blue-lavender 30-90cm >
1674 **Phedimus** (Sedum) spurium white/pink/crimson to 10cm 163

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- 1675 **Phemeranthus** calcaricus rose-purple to 25cm 44
1676 calycinus pink/red-purple 25-40cm >
1677 mengesii pink-rose purple 40cm 53
1678 parviflorus light pink-purple to 20cm 53
1679 teretifolius rose-purple 50cm 10
1680 **Phleum** sp (ex Kazakhstan) green flr/blue-green lvs 45-60cm 155
1681 **Phlomis** cashmeriana rose-pale purple flr/woolly lvs 40-80cm 42 165
1682 fruticosa deep yellow flr/grey-green felty lvs to 1cm 186
1683 russeliana soft yellow flr/grey-green lvs to 100cm 1
1684 sp pink 120cm 10
1685 sp (ex Goreme, Turkey) yellow 20cm 88
1686 **Phlomoides** oreophila (ex Altai) 165
1687 tuberosa purple-pink 40-150cm 1 26 111
1689 **Phuopsis** stylosa pink 15-20cm 87
1690 **Physaria** arizonica yellowish flr/grey-green lvs 2-10cm 88 99
1691 bellii yellow flr/silvery hairy lvs 5-13cm 52
1692 ovalifolia yellow 5-25cm 88 99 165
1694 sp yellow flr/green lvs 25cm 101
1695 **Physochlaina** orientalis violet 40-60cm 111
1696 **Physostegia** virginiana pink-lavender 90-120cm 111
1697 **Phyteuma** charmelii blue-violet 10-20cm 171
1698 hemisphaericum deep blue 3-30cm 59 89 90
1699 persicifolia violet blue 30-90cm 183
1700 scheuchzeri deep blue to 40cm >
1701 sieberi (cf) 165
1702 spicatum yellowish-white 30-80cm 106
1703 **Pinellia** pedatisecta yellowish-green to 45cm 182
1706 **Pityopsis** falcata yellow 20-30cm 110
1708 **Plantago** major 'Rubrifolia' dark maroon lvs 15-30cm 26
1709 **Platycodon** grandiflorus blue/purple 30-90cm 167
1710 grandiflorus light pink/rose veins 20-90cm 94
1711 grandiflorus (dwarf form) blue 10-30cm 165
1712 grandiflorus (dwarf form) mix 10-30cm 78
1713 grandiflorus (dwarf form) pink 10-30cm 165
1714 grandiflorus (dwarf form) white 10-30cm 165
1715 grandiflorus 'Astra White' white 15-30cm 22
1716 grandiflorus 'Sentimental Blue' blue 15-30cm 89 90
1717 **Plocama** calabrica pink 5-10cm 78
1718 **Podophyllum** hexandrum pale pink flr/mottled lvs 15-60cm 136
1721 **Polanisia** dodecandra white 10-60cm 43
1722 **Polemonium** boreale blue-purple flr/hairy lvs 10-20cm 84
1723 boreale 'Heavenly Habit' violet-blue 25-30cm 95
1724 brandegeei pale yellow 10-30cm 99
1725 caeruleum white 45-60cm 94
1726 foliosissimum bluish-violet/white/light yellow to 1m 44
1727 occidentale blue/purple 20-100cm 152
1728 pauciflorum soft yellow/red tinge 30-45cm 37 94
1729 pauciflorum (compact habit) dark yellow/maroon markings 20cm 94
1730 pulcherrimum v pulcherrimum blue 5-35cm 78
1731 reptans blue-violet to 50cm 165
1733 **Pollia** japonica white flr/dark blue frt 30-90m 71
1735 **Pontechium** maculatum (compact form) red 30cm 87
1736 **Potentilla** ancistrifolia v dickinsii yellow to 5cm 106
1737 atrosanguinea red 30-50cm 131
1738 aurea bright yellow 10-20cm 60
1739 crantzii yellow 15-25cm 133 165 179
1740 diversifolia yellow 10-40cm 120
1742 megalantha yellow 10-20cm 44
1743 nana pale yellow 1-5cm 44
1744 nepalensis 'Miss Willmott' cherry-pink 30-45cm 111
1745 nivea yellow flr/woolly lvs 5-25cm 44
1746 porphyrantha pink flr/silver felted lvs 5-15m 4 44 133
1747 pyrenaica yellow 20-40cm 30
1749 **Primula** alpicola mix 15-60cm 112
1751 aurantiaca dark reddish orange 5-30cm 112
1752 auricula (hort) mixed to 20cm 65 111
1753 bulleesiana (x) mix 45-60cm 94
1754 bulleyana deep orange 20-70cm 112
1755 candelabra hybrids red 50-75cm 167
1756 chungensis pale orange 15-80cm 112
1758 elatior light yellow to 30cm 42 68 111
1759 firmipes yellow 10-40cm 68
1760 florindae red 30-120cm 112
1761 florindae yellow 30-120cm 60 112 149
1762 grandis pale yellow to 70cm 112
1764 heucherifolia mauve-purple 15-30cm 112
1765 hirsuta pink-purple 3-10cm 189
1766 japonica dark rose-pink 45-60cm 68
1767 japonica mix 45-60cm 100
1768 japonica pink 45-60cm 68
1769 japonica pink shades 45-60cm 12
1770 japonica red 45-60cm 56
1771 japonica striped 45-60cm 68
1772 japonica 'Miller's Crimson' crimson red 45-60cm 94
1773 japonica 'Postford White' white 45-60cm 112
1774 matthioli pink 20-25cm 111 128
1775 matthioli pink-purple 20-25cm 59 74
1776 matthioli white 20-25cm 74 128
1777 **Primula** meyeri blue-purple/violet 5-20cm 128
1778 obconica ssp werringtonensis bright pink 5-20cm 112
1779 parryi magenta-pink 15-50cm 138
1780 pedemontana purplish pink/white 5-15cm 138
1781 prolifera bright golden-yellow to 90cm 85 112
1782 pulverulenta deep red-magenta 25-100cm 60
1783 pulverulenta rose-purple 25-100cm 112
1785 scotica violet/red-purple to 10cm 37 74
1786 secundiflora rose-purple/deep rose 10-60cm 112
1787 sieboldii mix 12-25cm 128
1789 sieboldii 'Rock Candy' hot pink 15cm 7
1790 sikkimensis yellow/cream 15-90cm 138
1791 sikkimensis (dwarf form as v pudibunda) pale yellow to 50cm 112
1792 veris orange shades 165
1793 veris red 8-30cm 135
1794 veris red/orange 8-30cm 128
1795 veris yellow 8-30cm >
1796 veris 'Sunset Shades' mix yellow/orange/red 15-25cm 12 80
1797 vialii rose red/violet-purple 20-45cm 56
1798 watsonii deep indigo-purple 9-25cm 112
1799 wilsonii rose-purple 30-50cm 112
1801 **Primulina** tamiana white/purple-lavender 10cm 69
1802 **Prospero** autumnale lilac/pink/bluish purple to 15cm 169
1803 **Prunella** grandiflora deep violet to 30cm 64
1804 **Psephellus** bellus pink flr/silver-grey lvs 25-40cm 165
1805 dealbatus pink 45-60cm 165
1806 **Pseudofumaria** (Corydalis) alba ssp acaulis white-cream/yellow lip to 40cm 179
1807 lutea yellow 40cm 142 35
1808 **Pseudomuscari** azureum blue 4-15cm 60
1809 forniculatum bright blue 12-30cm 145
1810 **Pterocephalus** depressus pink-mauve 5-10cm 90 165
1812 pinardii pink 4cm 69 88 187
1813 **Pulsatilla** albana yellow 10-30cm 147
1815 ambigua dark violet 16-22cm 20 30 47
1817 bungeana (cf) yellow 137
1818 campanella blue-violet 14-20cm 183
1819 chinensis violet 15-35cm 146
1820 dahurica pale lilac-pale bluish violet 25-40cm 70
1821 grandis maroon-wine red 5-30cm 70
1822 grandis mix 5-30cm 85
1823 grandis pink 5-30cm 182
1824 grandis violet-purple 5-30cm 70 85 182
1825 grandis 'Papageno' mix fringed 15-30cm 85
1826 halleri red 5-25cm 70
1827 halleri violet-lavender 5-25cm 59
1828 halleri ssp styriaca rose-purple 5-20cm 147
1829 halleri ssp styriaca 'Pink Dream' pearly pink 15-20cm 182
1830 hybrids red 68
1831 montana dark blue-violet 10-30cm 108 182
1832 nigricans dark purple-black 15-30cm 20
1835 rubra dark red 25cm 93 147
1836 sp dark blue 36-40cm 50
1840 vernalis white/blue or pink reverse 5-15cm 20
1842 vulgaris dark red 15-40cm 84
1843 vulgaris purple 15-40cm 163 177 179
1844 vulgaris white 15-40cm 68 179
1845 vulgaris (fringed) mix 15-40cm 59
1846 vulgaris 'Rode Klokke' red 25cm 85 95
1848 **Rabiea** albipuncta yellow 5cm 143 165
1849 **Ramonda** myconi deep violet 6-12cm 56 85 112
1850 serbica lilac to 8cm 85
1851 **Ranunculus** gramineus yellow 30-45cm 66 136 187
1852 parnassifolius white/flushed pink 2-20cm 74
1853 platanifolius white 30-100cm 187
1855 **Ratibida** columnifera maroon-red to 1m 165
1856 **Rheum** sp (ex Chris Chadwell) red/pink 125-140cm 45
1857 **Rhexia** mariana pink-lavender/white to 75cm 38
1858 virginica rose-lavender 20-60cm 69
1859 **Rhodochiton** atrosanguineus pink/purple-black to 3m 120
1860 **Rhododendron** kiusianum rose-purple 45-60cm 179
1861 **Rhodotypos** scandens white flr/jet-black frt to 2m 71
1862 **Rhus** potaninii creamy white flr/red frt 5-8m 182
1863 **Rhodea** japonica (moist packed) pale yellow flr/red frt 30-50cm 188
1864 **Romulea** bulbocodium violet-lilac/yellow/white 10-15cm 57
1865 linaresii violet-purple 5-15cm 13
1866 ramiflora mauve to 15cm 58
1867 tetragona rose-lilac 8-30cm 20
1868 **Rosa** carolina pink 30-130cm 144
1869 **Roscoea** purpurea purple/lilac 12-55cm 94
1870 scillifolia dark purple-black 10-25cm 85
1872 **Rudbeckia** fulgida v sullivantii 'Goldsturm' yellow 60-90cm 167
1874 **Ruellia** humilis lavender-lilac 30-60cm 167
1875 occidentalis blue 30-45cm 13
1876 **Ruschia** hamata pink to 20cm 88
1879 **Sabulina** rubella white 2-8cm 1
1880 **Salpingostylis** coelestina blue-violet 15-30cm 83
1881 **Salvia** apiana white-pale lavender flr/silver-white lvs to 1.5m 11

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- 1882 **Salvia** argentea white flr/silver-grey woolly lvs 30-60cm 99 133
1883 azurea blue 90-150cm 80
1885 canescens v daghestanica purple flr/silver-white woolly lvs 10-30cm 78 165
1886 chrysophylla lilac/yellow lip 20-60cm 165
1887 coccinea 'Lady in Red' red to 60cm 167
1888 cyanescens violet-blue flr/velvety grey-green lvs 30-90cm 63 165
1890 deserta (cf) (or hybrid of) blue 80cm 63
1891 dorrii blue-purple flr/grey-green lvs 10-70cm 80 133 165
1892 forsskaolei violet blue/white streak 60cm 94
1893 glutinosa pale yellow/maroon speckled 40-60cm 105
1894 jurisicii violet-lavender to 30cm 99 165 171
1895 lyrata lavender blue 30-60cm 15
1896 lyrata purple lvs 45-55cm 4
1897 'Madeline' deep violet-blue/white lip 50-80cm 49
1898 miltiorrhiza purple-blue/white 40-80cm 11
1899 moorcroftiana white flr/silver lvs 40cm 63
1900 patens blue 30-60cm 111 150
1902 pentstemonoides (ex Native American Seed) cherry-red 90-150cm 186
1903 phlomoides violet-white flr/white woolly lvs to 45cm 147
1904 phlomoides (ex Tislit, Morocco) purple-blue 20-40cm 124
1905 pisidica violet blue 15-35cm 165
1906 recognita pale pink flr/grey hairy lvs 60-90cm 165
1907 reptans dark blue to 90cm 4
1908 sclarea pale mauve-lilac/white-pink 90-120cm 11 109 149
1909 sclarea v turkestanica (hort) white/pink tinged to 1m 165
1910 'Shangri-la' (moorcroftiana x indica) lavender-blue flr/blue-grey lvs 60-90cm 165
1911 staminea off-white/cream to 75cm 165
1912 summa pink/pale lavender to 30cm 63
1913 tomentosa lilac-purple/white to 100cm 63
1914 transsylvanica lavender blue 60-90cm 88 165
1915 verticillata mostly white 60cm 63
1916 viscosa burgundy red 60cm 63
1917 **Sanguinaria** canadensis (moist packed) white to 40cm 179
1918 **Sanguisorba** canadensis white 90-200cm 4
1919 minor greenish-reddish purple 40-75cm 111
1920 officinalis 'Little Angel' red-purple flr/variegated lvs 10-18cm 134
1921 **Saponaria** caespitosa purplish-pink 5-15cm 36 100 147
1922 cypria pink to 15cm 44 76 125
1924 ocymoides 'Rubra Compacta' deep red-pink to 15cm 176
1925 officinalis (Pl) pink-white 30-90cm 111
1926 pumilio pink-purple 1-5cm 99 147
1927 **Saruma** henryi soft yellow 45-60cm 183
1928 henryi (moist packed) soft yellow 40-60cm 179
1929 **Satureja** spicigera white 5-10cm 13
1930 subspicata purple-violet 15cm 178
1931 **Saxifraga** callosa white 40cm 165
1932 cespitosa (ex Iceland) white 5cm 59
1933 cotyledon white 30-60cm 147
1935 crustata off-white/cream to 30cm 146
1936 hirsuta white 20-30cm 106
1937 hostii white 20-60cm 165
1938 'Millstream' pink-red to 20cm 165
1939 oppositifolia pink-purple 2cm 60 120
1941 paniculata white-cream to 30cm 131
1943 paniculata 'Minutifolia' white 5cm 30
1944 paniculata 'Rex' cream-white flr/red stems 20-25cm 165
1946 sp encrusted white 2cm 4
1947 stolonifera white flr/silver-veined lvs 8-45cm 4
1948 stribnyi purplish-pink flr/reddish stems 6-10cm 68
1949 tricuspidata white-cream 4-10cm 120
1950 **Scabiosa** graminifolia lilac-pink 20-30cm 165
1952 japonica 'Pink Diamonds' pink 20-25cm 76
1953 japonica 'Ritz Blue' blue-lilac 10-20cm 42 76 90
1954 lucida lilac-blue/pink 15-30cm 106
1955 ochroleuca cream-yellow 60-90cm 42
1956 **Schlumbergera** gaertneri scarlet 30-40cm 150
1957 **Scilla** amoena blue 10-30cm 185
1958 litardierei blue-violet 15-20cm 58 112
1959 peruviana violet-blue 15-40cm 58 170
1960 sardensis rich blue 7-20cm 94
1961 **Sclerocactus** scheeri (KSM711) cream 5-7cm 16
1962 **Scorpiurus** muricatus yellow 15-30cm 120
1963 **Scrophularia** californica red/maroon-brown 80-120cm 140
1964 lanceolata brown-red/green 80-150cm 111
1965 **Scutellaria** alpina blue-violet/purple-white 10-30cm 44 66 165
1966 alpina white 10-30cm 78
1967 altissima blue-purple/white 30-60cm 63
1968 baicalensis red-purple/blue-purple 30cm >
1969 diffusa pale pink/coral-pink 5-8cm 53
1970 incana blue-purple 60-90cm 4 161
1972 orientalis ssp pinnatifida yellow flr/grey lvs 5-15cm 96 165
1973 parvula v leonardii blue-violet 7-20cm 10 15
1974 pontica reddish-purple/magenta to 15cm 28
1975 przewalskii yellow/purple 6-22cm 165
1976 resinosa 'Smoky Hills' blue-purple flr/grey-green lvs 15-30cm 165
1977 **Scutellaria** salviifolia yellow flr/grey lvs 5-15cm 149
1978 sapphirina blue 5cm 52
1980 suffrutescens bright rose-pink 10-20cm 28 132
1981 suffrutescens 'Texas Rose' rose-red 10-20cm 94
1982 **Sedum** cepaea white to 30cm 165
1983 nevii white 6-9cm 165
1984 pilosum bright pink to 10cm 93
1985 rupestre 'Angelina' yellow flr/golden lvs turn copper-orange 10-15cm 179
1986 sedoides white 8-12cm 165
1987 sichotense yellow flr/red lvs in autumn 5-10cm 165
1988 **Seemannia** nematanthodes 'Evita' red-orange 15-30cm 35 174
1989 Sempervivum hybrids/cultivars mixed 179
1990 **Senecio** flaccidus v flaccidus yellow flr/grey-green woolly lvs 40-120cm 165
1991 macrocephalus pink-purple to 40cm 165
1992 **Senna** hebecarpa yellow 50-200cm 182
1993 marilandica yellow 90-180cm 167
1994 **Seseli** gummiiferum white-pink tinged flr/grey lvs to 90cm 165
1995 libanotis white-reddish flr/bluish-green lvs 40-90cm 186
1996 **Shortia** galacifolia white-rose purple 10-18cm 4
1997 **Sidalcea** malviflora light pink-lavender/dark rose-purple 20-110cm 165
1998 **Sideritis** cypria yellow flr/grey woolly lvs to 60cm 54
1999 sp (dwarf form) 165
2000 **Silene** alpestris white 12-20cm 36 52 135
2002 armeria pink 20-40cm 163 165
2003 atropurpurea bright rosy-pink 30-60cm 29
2004 chalcedonica scarlet 35-100cm 60 122
2005 chalcedonica white 50-100cm 21 160
2006 chalcedonica 'Dusky Salmon' salmon 35-100cm 142
2007 chalcedonica 'Lipstick' bright red-orange flr/bronze lvs 45-60cm 142
2008 coronaria magenta-pink flr/grey felted lvs 40-100cm 142 35 165
2009 dioica bright pink 30-60cm 111
2010 dioica 'Rollie's Favorite' rich pink to 45cm 142
2012 flos-cuculi (dwarf form) pink/white mix to 10cm 171
2013 flos-jovis candy pink 30-45cm 60
2014 flos-jovis mix 30-45cm 153
2015 flos-jovis pink 30-45cm 103
2016 fruticosa pink/red to 50cm 139
2017 hookeri pink/white 5-14cm 149
2018 ovata white 30-150cm 186
2019 plankii scarlet 10-20cm 36
2021 regia red 50-160cm >
2022 regia red/pink mix 1m 24
2023 samojedorum pink 25-30cm 4 144
2024 saxifraga white 10-20cm 176
2025 saxifraga white/pink 10-20cm 149
2026 schafta rose-pink to 25cm 184
2027 suecica bright pink 5-35cm 99 163
2028 undulata white/pinkish to 60cm 171
2029 uniflora white flr/blue-green lvs to 15cm 128 149
2030 uniflora 'Compacta' white-light pink flr/grey-green lvs 5-10cm >
2031 viscaria rose pink/purple 30-60cm 30 142 153
2032 waldsteinii white 15-30cm 165
2033 zawadzki white 15-30cm 153
2034 **Silphium** integrifolium yellow 40-200cm 165
2035 perfoliatum yellow 75-300cm 24
2037 **Sisyrinchium** angustifolium mixed white/light-dark blues to 45cm 51
2038 angustifolium pale-deep blue to 45cm >
2039 bellum light blue-dark violet to 38cm 109
2040 bellum (aff) yellow 153
2041 californicum yellow 5-40cm 139
2042 idahoense bluish-violet to 45cm 155
2043 idahoense white/purple mix to 45cm 149
2044 macrocarpum yellow/brown ring to 20cm 136 147 165
2045 montanum dark blue-violet 10-50cm 33 149 155
2046 mucronatum dark blue/bluish violet to 40cm 10
2047 palmifolium yellow 30-60cm 60
2048 patagonicum yellow/brown throat 10-30cm 60
2049 **Smyrniium** perfoliatum yellow to 90cm 166
2050 **Soldanella** alpina blue-violet 5-15cm 65
2053 **Solidago** multiradiata yellow 10-30cm 118
2054 ptarmicoides white 10-40cm 110 164
2055 speciosa yellow 50-200cm 110
2056 virgaurea ssp minuta yellow 10-20cm 93
2057 **Sparaxis** metelerkampiae violet 15-30cm 109
2058 **Sphaeralcea** ambigua orange-apricot 50-100cm 130
2059 **Sphaeromeria** capitata yellow flr/grey woolly lvs 5-20cm 165
2062 **Spiraea** morrisonicola pink 25cm 60
2063 **Stachys** lavandulifolia mauve-purple woolly flr/grey-green lvs 15-25cm 133
2064 nivea white flr/white woolly lvs 20-30cm 76 78
2065 officinalis 'Nana' pink 15cm 86 163
2066 officinalis 'Nana' white 10cm 60
2067 spathulata rose-purple 7-25cm 31 64 133
2068 **Stenanthium** gramineum white-greenish yellow 50-200cm 151
2069 **Stenotus** acaulis yellow 3-21cm 133

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- 2071 **Stewartia** pseudocamellia white 10-15m 4 178
 2072 **Stylophorum** diphylum (moist packed) yellow to 50cm 39 44
 2073 lasiocarpum yellow 30-50cm 30
 2074 **Symphotrichum** (Aster) shortii purple-blue 30-150cm 105
 2075 **Symplocarpus** foetidus (moist packed) yellowish-dark red purple 10-60cm 102
 2078 **Synthyris** missurica blue to 33cm 50 85
 2079 **Tanacetum** cinerarifolium white/yellow center 40-100cm 42
 2080 densum yellow flr/grey-white lvs to 30cm 142
 2081 densum ssp amani yellow flr/silvery-white downy lvs to 15cm 87
 2082 niveum white flr/silver-grey lvs 45-90cm 73 165
 2083 praeteritum white flr/grey downy lvs 15-30cm 165
 2085 **Taraxacum** albidum white to 40cm 15
 2086 pseudoroseum pink/yellow center 10-20cm 29 86 120
 2087 **Taxodium** distichum 30-35m 167
 2088 **Tellima** grandiflora greenish white ages pink 40-90cm 66 110
 2089 grandiflora Odorata Group bright white flr/fragrant 45-60cm 140
 2090 **Tetranneuris** acaulis yellow 2-30cm 138 165
 2091 acaulis 'Las Vegas' yellow 10cm 141
 2092 herbacea yellow 6-35cm 165
 2093 scaposa yellow 14-40cm 165
 2094 torreyana yellow 2-15cm 52
 2095 **Teucrium** botrys pink-purple 10-30cm 165
 2096 hircanicum deep reddish-purple 45-60cm 13 161
 2097 orientale lilac-blue 20-50cm 88
 2098 scorodonia pale green/yellowish 30-60cm 161
 2099 **Thalictrum** actaeifolium mauve-lilac/white 45-90cm 103
 2100 aquilegifolium white/pink/lavender mix 1-1.5m 94
 2101 baicalense greenish white 40-80cm 179
 2102 flavum ssp glaucum yellow flr/blue-green lvs 60-150cm 29
 2104 pubescens white-purplish 50-300cm 166
 2105 rochebruneanum lavender-purple 120-180cm >
 2107 uchiyamae light purple/lilac 90-180cm 60
 2110 **Thermopsis** villosa yellow 90-150cm >
 2111 **Thymus** praecox ssp zygiformis pink 6cm 88
 2112 **Tiarella** cordifolia white 15-40cm 105
 2113 cordifolia mixed cultivars white/pink 4
 2114 **Tigridia** chiapensis white/yellow 20-30cm 143
 2115 pavonia creamy white 25-75cm 60
 2116 vanhouttei cream/purple-brown veins 45-60cm 143
 2117 **Townsendia** hookeri white 1-3cm 131
 2118 hookeri white/pink 1-3cm 133
 2119 incana white-pinkish tint 2-12cm 133 134 147
 2120 'Jeannie's Purple' lavender-purple 2.5cm 133
 2121 leptotes white-pinkish 1-3cm 103 133
 2127 **Tragopogon** capitatus yellow 40-100cm 155
 2128 **Trichophorum** alpinum white 10-40cm 49
 2129 **Tricyrtis** hirta white-pale lilac/purple spots 60-90cm 109
 2130 latifolia yellow/reddish spots 40-100cm 4
 2131 macropoda white/purple spots 60-75cm 86
 2134 **Trillium** cernuum white 15-40cm 183
 2136 erectum red/maroon-dark purple 15-60cm 183
 2141 kurabayashii x parviflorum hybrid white 17-30cm 149
 2146 parviflorum white 17-30cm 65 149
 2147 recurvatum (moist packed) dark maroon purple-yellow 15-48cm 179
 2149 simile creamy white 30-60cm 149
 2150 **Triosteum** pinnatifidum white flr/white frt to 60cm 112
 2151 **Tripura** divaricata 'Blue Butterflies' pale blue to 180cm 35
 2152 **Triteleia** ixioides white 30cm 60
 2153 laxa pale blue/deep purple 10-70cm 32
 2154 **Trollius** acaulis orange-yellow 7-15cm 74
 2155 chinensis 'Golden Queen' orange-yellow 60-90cm 24
 2156 hondoensis yellow-orange 40-60cm 60
 2157 irtuticus orange-yellow 20-60cm 60
 2158 pumilus yellow 5-25cm 28
 2160 **Tulipa** anadroma (ex Kyrgyzstan) 189
 2161 armena (ex Turkey) 189
 2162 clusiana white/red-pink outer 15-30cm 85
 2163 clusiana 'Cynthia' pale yellow/pink-red reverse to 30cm 34
 2164 cretica white/pink 5-10cm 182
 2167 orphanidea 'Flava' yellow/red-tinged edge 15-20cm 23
 2169 saxatilis pink-lilac purple/yellow center 30cm 85
 2170 sprengeri bright red/scarlet 20-40cm >
 2171 sprengeri 'Trotters Form' red to 50cm 112
 2172 sylvestris yellow to 45cm 69 118
 2173 tarda yellow/white tips 5-20cm 153 165 179
 2174 turkestanica white-yellow center/grey-violet reverse 15-30cm 43 75 60
 2177 **Turnera** ulmifolia yellow 60-90cm 158
 2179 **Umbilicus** rupestris greenish-pink to 25cm 103
 2180 **Ursinia** anthemoides yellow-orange 5-50cm 22
 2181 **Uvularia** grandiflora (moist packed) yellow 20-75cm 179
 2182 **Vaccinium** vitis-idaea white-pale pink 10-30cm 4
 2183 **Valeriana** officinalis purple-red/pink/white to 1.5m 111
 2185 **Veltheimia** bracteata apricot/peach 20-40cm 12
 2186 **Veratrum** album v parviflorum x viride 68
 2188 virginicum white-greenish yellow 60-200cm 166
 2189 woodii maroon-brown/green 70-150cm 154
 2190 **Verbascum** atroviolaceum dark violet-purple 30-45cm 99
 2191 blattaria f albiflora (PI) white 60-100cm 88
 2192 bombyciferum yellow flr/grey-white felted lvs 150-180cm 165
 2193 'Governor George Aiken' (PI) cream 150-200cm 94 122
 2194 pyramidatum yellow flr/purple-violet anthers/woolly lvs 45-150cm 94
 2195 roripifolium yellow to 1.2m 165
 2196 rupestre yellow 20-60cm 53
 2197 rupicola yellow 20-30cm 149
 2198 undulatum yellow flr/wavy grey woolly lvs to 90cm 49
 2199 **Verbesina** alternifolia yellow 1-2m 105
 2200 **Vernonia** fasciculata purple 30-120cm 104 129
 2201 gigantea purple 80-200cm 164
 2202 **Veronica** allionii deep blue-violet 5-15cm 89
 2203 gentianoides deep blue-white 30-40cm 111 157
 2204 grandiflora bright blue-violet blue 5-15cm 120
 2206 orientalis blue/pink/white flr/grey lvs 7-45cm 165
 2207 perfoliata violet-blue flr/blue-grey lvs to 120cm 94
 2209 rotunda blue-purple 40-80cm 161
 2210 spicata purple/blue 15-50cm 173
 2211 **Veronicastrum** virginicum white 80-200cm 167
 2213 **Viguiera** stenoloba yellow 50-150cm 158
 2214 **Viola** adunca light-deep lavender violet 2-30cm 120
 2215 cornuta violet-blue 20-30cm 60 112
 2216 cornuta white 20-30cm 60
 2217 elatior light blue 20-50cm 75
 2218 nuttallii yellow 2-27cm 137
 2220 **Vitex** agnus-castus 'Flip Side' lavender-lilac flr/greyish-purple lvs 180-240cm 35
 2221 **Wyethia** amplexicaulis yellow 25-50cm 122
 2222 **Xanthisma** (Aster) coloradoense pink-purple 2.5-14cm 88
 2223 coloradoense (alpine form) pink 2.5cm 6
 2224 spinulosum yellow 5-15cm 130
 2225 **Ypsilandra** kansuensis white/tinged purple 6-14cm 85
 2226 **Yucca** elata creamy white-tinged green-pink 1.2-4.5m 165
 2227 **Zephyranthes** dichromantha yellow/rusty-red flushed 20-30cm 73 158
 2228 drummondii white 16-45cm 13 73 158
 2229 katherinae red 20cm 7 158
 2232 primulina yellow/pink flush outer 15-20cm 83 144
 2233 **Zinnia** grandiflora yellow 8-22cm 165 99
 2234 **Zizia** aptera yellow 30-90cm 38 4
 2235 aurea yellow 40-75cm >
- WILD COLLECTED:**
 3001 **Aconitum** columbianum deep blue 90cm WA: Wenatchee Mtns 1700m 140
 3004 **Agalinis** tenuifolia violet 20-80cm VA: Scott Co 175
 3005 **Agastache** urticifolia purple 80cm OR: Mt Ashland 1981m 114
 3006 **Ageratina** altissima white 200cm NJ: Camden Co 168
 3007 **Agoseris** glauca yellow 40cm OR: Kelsay Valley 1280m 114
 3009 **Allium** cernuum Canada 149
 3010 cernuum pink Canada: Ruxton Island, BC 113
 3011 platycaule pink 20cm CA: Plumas Co, N Sierra Nevada 1440m 98
 3012 sanbornii v sanbornii white-pink 20-60cm CA: Butte Co, S Cascades serpentine 880m 98
 3013 tricoccum MI: Benzie Co 105
 3014 tricoccum white 20cm OH: Franklin Co 15
 3018 **Anemone** multifida pink 30cm MT: Jefferson Co 41
 3019 **Angilegia** arguta white 120cm OR: Mt Ashland 2042m 114
 3020 **Aquilegia** coerulea WY: Albany Co 178
 3021 formosa red Canada: Sutton Creek, Vancouver Island, BC 113
 3022 **Arisaema** triphyllum VA: New River, Grayson Co 44
 3023 **Aristolochia** macrophylla brown 5-8m NC: Watauga Co 104
 3025 **Arnica** latifolia (aff) yellow 30cm OR: Observation Peak, Jackson Co 2012m 114
 3026 **Asclepias** exaltata white/green 120cm NC: Watauga Co 104
 3028 **Asteraceae** sp 40 cm OR: Observation Peak, Jackson Co 2042m 114
 3029 **Astragalus** asclepiadoides blue-purple 15cm CO: Loma 53
 3030 cicer Czech Republic: SE Moravia 161
 3031 crassicaerpus white to 30cm CO: Douglas Co 1890m 99
 3032 lentiginosus v palans pink 12cm CO: Loma 130
 3033 whitneyi white 30cm OR: Observation Peak, Jackson Co 2073m 114
 3035 **Baileya** multiradiata yellow 60cm AZ: Tucson 162
 3036 **Balsamorhiza** sagittata yellow 60cm ID: Kootenai Co 22
 3037 sagittata yellow 60cm MT: Jefferson Co 41
 3039 **Boechera** (Arabis) cusickii faint pink/purple 10-12cm WA: Lincoln Co 152
 3040 **Brachelytrum** erectum 40cm OH: Vinton Co 15
 3041 **Brickellia** greenei white 30cm OR: Whiskey Creek 114
 3042 **Brodiaea** sierrae violet 20-60cm CA: Butte Co, N Sierra Nevada 975m 98
 3043 **Calceolaria** cavanillesii yellow 20-30cm Chile: Laguna del Maule 184
 3045 **Calochortus** ambiguus white AZ: Yavapai Co 25
 3047 leichtlinii white 50cm CA: Plumas Co, N Sierra Nevada 1440m 98
 3048 **Caltha** leptosepala Canada: Vancouver Island, BC 1300m 113
 3049 sagittata white-greenish 5-10cm Chile: Lagunas de Teno 247m 184
 3050 **Camassia** quamash Canada 149
 3052 **Campanula** glomerata Czech Republic: SE Moravia 161

SURPLUS SEED LIST 2020-2021

- 3053 **Campanula** rotundifolia ME: Great Waas Island 100
3054 **Castilleja** minor red-orange/green 150cm CO: Gateway 130
3058 **Coreopsis** lanceolata yellow 90cm MO: Eastern, I-40 highway 162
3059 **Cornus** canadensis white Canada: Walbran Valley, Vancouver Island, BC 113
3062 **Cypripedium** calceolus yellow/brown 40cm Norway: Northern, scree 148
3065 **Darlingtonia** californica purple 70cm OR: Whiskey Creek 503m 114
3067 **Dodecatheon** hendersonii pink Canada: Victoria, BC 113
3068 jeffreyi pink Canada: Walbran Valley, Vancouver Island, BC 113
3069 pulchellum pink 20cm ID: Kootenai Co 22
3074 **Dryas** octopetala white 30cm Norway: Northern, limestone, seaside 148
3077 **Elephantopus** tomentosus purple 30-90cm VA: Galax 44
3078 **Elymus** hystrix MI: Kent Co 105
3079 **Empetrum** nigrum ME: Schoodic Point 100
3080 **Epipactis** gigantea bronze 50cm OR: Whiskey Creek 503m 114
3081 **Eremogone** (Arenaria) congesta white 30cm CA: Marble Mtns 1829m 114
3082 congesta v suffrutescens white 30cm CA: Sierra Co, Pliocene Ridge 1832m 98
3084 **Ericameria** nauseosa v speciosa yellow 40cm OR: Observation Peak, Jackson Co 2042m 114
3085 **Erigeron** aliceae (aff) purple 40cm OR: Observation Peak, Jackson Co 114
3086 aurantiacus orange 5-20cm Kazakhstan: Trans-Ili Ala Tau 184
3088 compositus white flr/hairy lvs 10cm WA: Spokane Co 152
3089 compositus (as v discoideus) white flr/grey-green lvs 5cm CO: Park Co 152
3090 hyssopifolius white 10cm CO: Park Co 30
3091 inornatus yellow 50cm OR: Observation Peak, Jackson Co 2042m 114
3092 linearis bright yellow flr/grey-green lvs 15cm WA: Kittitas Co 152
3093 poliospermus bright blue-purple flr/very hairy lvs 10cm WA: Kittitas Co 152
3095 **Eriophyllum** lanatum Canada 149
3096 lanatum yellow Canada: Elk River, Vancouver Island, BC 113
3097 **Erythranthe** (Mimulus) erubescens light pink/purple 25-90cm CA: Nevada Co, N Sierra Nevada 1890m 98
3098 (Mimulus) lewisii WY: Teton Co 178
3100 **Erythronium** montanum white Canada: San Juan Ridge, Vancouver Island, BC 113
3101 oregonum Canada 149
3102 oregonum white Canada: Victoria, BC 113
3103 **Eschscholzia** californica AZ: Cochise Co 25
3104 **Fraseria** speciosa green 150cm CA: Marble Mtns 1951m 114
3105 **Fritillaria** affinis brown Canada: Ruxton Island, BC 113
3107 **Gaillardia** aristata pure yellow 60cm WA: Devil's Gap, Spokane Co 152
3108 aristata yellow/red center 60-90cm WA: Kittitas Co 152
3109 aristata yellow/red center 60cm WA: Lincoln Co 152
3111 **Gaultheria** humifusa white Canada: Vancouver Island, BC 1800m 113
3112 **Gentiana** andrewsii WV: Raleigh Co 178
3113 andrewsii dark blue 30-60cm NH: Fitzwilliam 160
3116 lutea Italy: Tremalzo 1800m 184
3117 **Gentianopsis** barbata dark blue 20-40cm China: Zhongdian, NapaHai, Yunnan 3500m 184
3119 **Gillenia** trifoliata white 30cm OH: Vinton Co 15
3121 **Gymnadenia** conopsea pink 30cm Norway: Northern, limestone, seaside 148
3122 **Hastingsia** alba white 50cm OR: Observation Peak, Jackson Co 2103m 114
3124 **Heterotheca** villosa yellow 15cm MT: Lewis & Clark Co 41
3125 **Heuchera** cylindrica cream 20cm WA: S Cascade Mtns 2200m 140
3126 cylindrica white 50cm OR: Kelsay Valley 1280m 114
3127 micrantha white Canada: Ruxton Island, BC 113
3128 **Hyacinthoides** non-scripta United Kingdom: Scotland 112
3129 **Hypericum** punctatum yellow 70cm OH: Vinton Co 15
3130 **Ilex** verticillata CT: Southeast 101
3131 **Iris** missouriensis 30cm WA: Lincoln Co 152
3133 **Liatris** punctata pink 30cm MT: Jefferson Co 41
3135 **Lilium** columbianum yellow Canada: Upper Campbell Lake, Vancouver Island, BC 113
3138 **Linum** lewisii WY: Teton Co 178
3139 **Lobelia** cardinalis NH: Amherst 151
3140 cardinalis red 100cm MA: Martha's Vineyard 102
3141 siphilitica VA: New River, Grayson Co 44
3142 **Lobelia** spicata light blue 20-120cm VA: Scott Co 175
3143 **Lomatium** hallii white 20cm OR: Observation Peak, Jackson Co 2073m 114
3144 martindalei yellow Canada: Vancouver Island, BC 1300m 113
3145 nudicaule white 20cm OR: Observation Peak, Jackson Co 1920m 114
3146 nudicaule yellow Canada: Victoria, BC 113
3148 **Lupinus** sulphureus yellow 40cm OR: Siskiyou Summit 1219m 114
3149 **Lysimachia** ciliata yellow 60cm MI: Midland Co 157
3150 **Maianthemum** (Smilacina) racemosum (moist packed) white 75-125cm MI: Kent Co 105
3151 (Smilacina) stellatum white 20cm IL: Evanston 40
3154 **Micranthes** oregana white/green 30cm CO: Pass Lake 138
3155 **Minuartia** obtusiloba white 10cm WA: S Cascade Mtns 2200m 140
3158 **Nyssa** sylvatica 10m MI: Midland Co 157
3159 **Olsynium** douglasii pink Canada: Victoria, BC 113
3161 **Opuntia** polyacantha yellow 30cm MT: Jefferson Co 41
3162 **Orthocarpus** cuspidatus pink 20cm OR: Mt Ashland 2042m 114
3164 **Oxytropis** splendens purple 15-30cm CO: Boreas Pass 138
3167 **Parnassia** palustris white 30cm OR: Observation Peak 2073m 114
3168 **Pedicularis** parryi cream white 15-30cm CO: Shrine Ridge 138
3170 **Penstemon** anguineus blue 50cm OR: Mt Ashland 1676m 114
3171 angustifolius CO: Fremont Co 178
3172 angustifolius blue 40cm CO: Fremont Co 1768m 52
3173 attenuatus bright blue 45cm WA: S Cascade Mtns 1700m 140
3174 attenuatus purple 10cm ID: McCall 1829m 40
3177 davidsonii blue 13cm WA: Wenatchee Mtns 1800m 140
3178 davidsonii purple Canada: Vancouver Island, BC 1300m 113
3179 fruticosus purple blue 30cm WA: S Cascade Mtns 1500m 140
3180 glaber v alpinus CO: Custer Co 178
3181 laetus (aff) purple 30cm OR: Donomore Peak 1890m 114
3183 newberryi pink 40cm CA: Marble Mtns 1981m 114
3185 palmeri white/pink tinge AZ: Yavapai Co 25
3186 parryi AZ: Yavapai Co 25
3187 procerus blue 30cm MT: Jefferson Co 41
3188 procerus v tolmiei blue 15cm WA: S Cascade Mtns 2200m 140
3189 virens CO: Custer Co 178
3190 virens blue 30cm CO: Fremont Co 1890m 52
3191 **Phacelia** procera cream 50-200cm CA: Nevada Co, N Sierra Nevada 1670m 98
3192 procera white 100cm OR: Mt Ashland 2042m 114
3195 **Polemonium** occidentale blue 80cm OR: Davis Lake 1341m 114
3196 **Polygonatum** biflorum NC: Watauga Co 180
3197 biflorum (moist packed) blue frt MI: Kent Co 105
3203 **Ptelea** trifoliata green/yellow 4m NC: Ashe Co 104
3204 **Pulsatilla** occidentalis white 50cm CA: Marble Mtns 1920m 114
3205 vulgaris Germany: Bavaria 185
3208 **Ratibida** columnifera yellow 60cm MT: Jefferson Co 41
3211 **Rhus** typhina NC: Burke Co 180
3212 **Rosa** gymnocarpa pink Canada: Ruxton Island, BC 113
3213 **Sabatia** angularis pink/yellow 20-90cm VA: Scott Co 175
3214 **Salvia** pratensis (PI) Czech Republic: SE Moravia 161
3215 verticillata Czech Republic: SE Moravia 161
3217 **Saponaria** officinalis (PI) light pink 30-60cm OH: Cuyahoga Valley, Summit County 163
3221 **Saxifraga** hostii Italy: Tremalzo 1800m 184
3222 **Scirpus** sp 40cm OR: Windigo Butte 1829m 114
3223 **Scrophularia** marilandica brown 2m NC: Watauga Co 104
3225 **Sibbaldia** procumbens yellow Canada: Vancouver Island, BC 1300m 113
3226 **Silene** parryi white 25cm WA: S Cascade Mtns 2200m 140
3227 **Sisyrinchium** albidum blue 10-45cm VA: Scott Co 175
3228 **Solidago** hispida yellow 20cm Canada: Cape Norman, NL 30
3229 nemoralis yellow 10-130cm VA: Scott Co 175
3230 **Sorbus** americana golden frt VA: Carroll Co 180
3231 **Sphaeralcea** coccinea orange 30cm MT: Jefferson Co 41
3233 **Teucrium** canadense blue 40cm OH: Franklin Co 15
3235 **Triantha** glutinosa white 40cm OR: Observation Peak, Jackson Co 2073m 114
3237 **Trillium** cernuum white 15-60cm MI: Houghton Co 128
3238 ovatum Canada: Cowichan Valley, Vancouver Island, BC 113
3241 **Tulipa** dasystemon yellow Kazakhstan: Trans-Ili Ala Tau 3300m 184
3242 **Vernonia** missurica purple 1.5m MI: Kent Co 105
3243 **Viburnum** acerifolium (moist packed) red autumn lvs 91-100cm MI: Kent Co 105
3244 **Xanthoxylum** (Aster) gracile yellow 20cm AZ: Tucson 162
3245 **Yucca** brevifolia white 1.5-4.5m Nevada: Clark Co 152