

SURPLUS SEED LIST

GARDEN COLLECTED:

- 3 **Acantholimon** sp 156
7 **Acer** campestre 'Magic Spring' variegated lvs 33
9 pennsylvanicum striped bark 5-10m 181
10 pictum to 20m 181
13 **Achillea** abrotanoides white flr/grey-green lvs 20-40cm 32
14 aleppica ssp zederbaueri white-yellow flr/grey lvs 5-15cm 32 100
16 clypeolata yellow flr/grey felted lvs 45-60cm 56
17 lewisii (x) 'King Edward' pale yellow flr/woolly lvs 15-25cm 147
18 tomentosa yellow flr/woolly lvs 15-30cm 95
19 **Acis** autumnalis white/pinkish base 7-15cm 73 85
20 nicaeensis white 5-18cm 57 63
21 **Aconitum** anthora yellow 25-100cm 98
22 krylovii cream-yellow 30-130cm 64 136
24 sinomontanum blue-purple/pale blue 95-150cm 178
25 uncinatum blue 30-250cm 136
26 **Actaea** dahurica cream to 1m 113 183
27 elata white/pinkish 120-180cm 127 134
28 japonica 'Silver Blush' white flr/silver new lvs 75cm 170
29 pachypoda white flr/white frt 45-60cm >
30 pachypoda f rubrocarpa white flr/red-pink frt 60-90cm 6 118
31 pachypoda 'Misty Blue' white flr & frt/blue-green lvs 60-90cm 101
32 racemosa (cf) white 75-250cm 169
33 rubra white flr/red frt 40-80cm 27 118 188
34 simplex Atropurpurea Group white-pale pink flr/dark purple lvs
 120-180cm 175 5
35 simplex 'Black Negligee' white flr/purple-black lvs 1.2-1.5m 113
37 spicata white flr/black frt 30-70cm 118
38 **Adenophora** triphylla v japonica blue 40-100cm 153
39 **Adiantum** caudatum to 30cm 82
40 **Adlumia** fungosa pale lavender-pink 0.5-4m 175
41 fungosa white/pale pink-purple 0.5-4m 6 113 146
42 **Adonis** aestivalis red 20-50cm 26
43 **Aeonium** canariense v virgineum yellow 30cm 121
46 **Aethionema** capitatum pink 5-15cm 34 144
47 glaucinum pink 5-10cm 100 144
48 grandiflorum pink flr/blue-grey lvs 15-30cm >
49 kotschy (hort) pink 10-15cm 30
50 saxatile pink-white flr/blue-green lvs 5-25cm 169
51 schistosum pink 13-18cm 57
52 sp pink 6cm 57
53 subulatum pink 5-10cm 112
54 'Warley Rose' rose-pink to 20cm 77
57 **Agave** bracteosa white-pale yellow 45cm/1.8m scape 170
59 univittata greenish white-yellowish green 30-40cm lvs/3-5m flr 170
60 **Agrostemma** githago (PI) pink to 1m 2
61 **Albua** humilis white/green stripe to 10cm 30 111 122
62 shawii yellow to 30cm 30 74
63 **Alcea** rosea 'Light Rose Caplez' 1.5m 39
65 rosea ssp ficifolia pink 125cm 90
66 **Allium** acuminatum pink-rose purple 10-35cm 64
67 aflatunense purplish-pink to 90cm 42
68 amplectens white 15-50cm 139
69 atropurpureum deep blackish-purple 60-100cm 5
70 caesium deep sky blue 15-65cm 73
72 carinatum white 30-50cm 184
73 carinatum ssp pulchellum pink-purple 30-50cm 64 144
74 carolinianum pink-purple 20-40cm 118
75 cernuum pink 10-50cm 60
76 cernuum pink/white mix 10-50cm 6 138 153
77 cernuum 'Pink Giant' pink-purple 30-45cm 19
78 cristophii purple-violet to 60cm >
79 cupuliferum red-purple 30-50cm 35
80 cyaneum blue 10-30m 118
81 cyathophorum purple-dark purple to 15cm 156
82 cyathophorum v farreri dark pink 20-25cm 144
83 cyathophorum v farreri purple 13-15cm 64
84 daghestanicum pink/pale purple 20-30cm 132
85 dodecadontum pink 60-80cm 63
86 douglasii pink-purple 10-40cm 77 114
87 falcifolium white 5-25cm 139
88 **Allium** fistulosum yellowish white 15-70cm 19
89 flavum yellow 6-30cm >
90 flavum ssp tauricum mix flr/blue-grey lvs 15-35cm 35
91 flavum ssp tauricum (ex McDonough) mix 15-30cm 85
92 galanthum (ex Berkutenko) white 60-80cm 152
93 geyeri pink-white 10-50cm 156
94 gomphrenoides pink/white 5-25cm 63
95 hollandicum 'Purple Sensation' purple-reddish purple to 90cm 184
97 insubricum rosy pink to 25cm 67
98 karataviense mix 25-30cm 85
99 karataviense pale pink-lilac flr/blue-grey lvs 25-30cm 169
102 lusitanicum pink-pale purple 20-45cm 156
103 meteoricum pale pink 15-20cm 124
104 nigrum white/dark pink center 50cm 80
105 nigrum white/green midvein 60-100cm 63
106 nutans pink-pale purple 30-60cm 169
107 obliquum (ex Ruksans) bright green to 1m 19
108 ochotense whitish-green 20-30cm 12 22
109 oreophilum rose-red 15-20cm 175
111 ovalifolium v ovalifolium white/pink 30-60cm 124
112 pseudoflavum pale yellow/greenish-yellow 20-50cm 3
113 pskemense white 40-100cm 66
114 regelii pale lilac-mauve/pinkish carmine 20-70cm 154
115 scabriflorum violet-blue/deep purple 10-25cm 35
116 schoenoprasum mix 20-50cm 156
117 senescens pink-purple 10-40cm 40 56 64
118 setifolium pale pink-red 5-10cm 63
119 siculum reddish/greenish-cream 50-120cm 11 169
120 sp (ex China) light pink 50-60cm 152
121 stellatum deep pink 20-50cm 124 169
122 subvillosum white 5-40cm 67
123 texanum white 50-60cm 81
125 togashii pale pink/white 12-20cm 156 169
126 tolmiei white-pink/reddish mid-rib 5-40cm 134
127 tripedale pink-white 50-90cm 101
128 tuberosum (PI) white 30-50cm 108 147
129 unifolium bright pink 20-80cm 64
130 victoralis white-greenish 30-70cm 117 118
132 zebdanense white 25-40cm 169
133 **Aloinopsis** malherbei yellow/salmon-pink to 5cm 114
134 **Alophia** drummondii purple 15-45cm 10 179
136 **Alstroemeria** sp candy pink 50-60cm 64
137 **Alyssoides** cretica yellow flr/grey woolly lvs 15-20cm 185
138 utriculata yellow 20-50cm >
139 **Alyssum** oxycarpum yellow flr/silver lvs 10-20cm 77
140 **Amsonia** hubrichtii pale blue 60-90cm 173
141 tabernaemontana light blue 60-90cm 184
142 **Anacampteros** rufescens pink 5-8cm 100
151 **Androsace** septentrionalis white 1-15cm 50 144
152 villosa white to 3cm 118
153 **Andryala** agardhii yellow flr/silver woolly lvs 8-15cm 63
154 **Anemone** baldensis white 5-15cm 110
155 caroliniana white 5-35cm 139
156 drummondii white/tinged blue reverse 10-25cm 134
157 hortensis mix 20-40cm 30
158 multifida mix 10-40cm 118
159 multifida red 10-40cm 12
160 multifida white 10-40cm 69
161 multifida 'Major' cream-yellow 20cm 154
162 multifida 'Rubra' dark rose-pink to 30cm 26
163 multifida v tetonensis red 10-20cm 77
164 multifida v tetonensis red-purple/white-yellow/blue 10-20cm 57
165 narcissiflora ssp biarmiensis white/soft yellow 15-50cm 41
166 narcissiflora ssp fasciculata white 15-50cm 40
169 rivularis white/blue-mauve reverse 20-60cm 57
170 rivularis (ex Chris Chadwell) white to 60cm 103
171 rupicola white/pink-violet reverse 5-25cm 89 95 112
172 rupicola (cf) white/blue reverse 60cm 82
173 sp 49
174 sylvestris white 30-45cm 99
175 **Anemonella** thalictroides pink 10-30cm 128 140

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- 180 **Antennaria** alpina whitish 3-18cm 66
181 aromatica white-light brown flr/white woolly lvs 2-7cm 130
182 dioica pink-white flr/grey lvs 3-10cm 39 90
183 dioica 'Nyewoods Variety' bright pink flr/grey lvs 10cm 95
184 parvifolia white-pink flr/grey woolly lvs 2-8cm 100
185 sp silver lvs 156
186 **Anthemis** cretica white flr/grey lvs 10-30cm 156
187 spruneri white ray flr/grey lvs 15-20cm 100
189 **Anthericum** liliago white 60-90cm 93
190 ramosum white 30-70cm >
191 **Anthriscus** sylvestris 'Ravenswing' white flr/dark purple-bronze lvs
 30-90cm 113
192 **Anthyllis** coccinea red 15-30cm 74
193 **Anticlea** (Zigadenus) elegans cream-greenish 20-80cm 44 158
194 **Aquilegia** alpina (cf) blue/pinkish-white 15-30cm 36
195 atrata dark red-purple 30-60cm 54 147
196 bertolonii blue-violet 20-30cm 31 178
197 bertolonii (aff) blue-purple/white 30cm 16
198 buergeriana yellow/brown-purple 30-80cm 145
199 buergeriana (dwarf form) yellow/brown-purple 15-30cm >
200 buergeriana 'Calimero' purple/yellow 15-20cm 6 40
201 canadensis red/coral 45cm 113
202 canadensis red/orange 45cm 179
203 canadensis red/yellow 15-90cm >
204 canadensis (dwarf form) orange/yellow 20-25cm 69
205 canadensis 'Corbett' pale yellow 30-45cm 6
206 canadensis 'Little Lanterns' red/yellow to 25cm 31 118 124
207 chrysantha yellow 30-120cm 64 79
208 chrysantha 'Denver Gold' yellow flr/blue-green lvs 75-90cm 156
209 chrysantha v hinckleyana yellow 50-70cm 179
210 discolor blue/white 10-20cm >
211 ecalcarata purplish pink to 40cm 116
212 flabellata blue/lilac 20-30cm 41 57 148
213 flabellata blue/white 20-30cm 69 82
214 flabellata pink/white 15cm 32
215 flabellata white 20-30cm 40 69
216 flabellata 'Cameo Blue & White' blue/white 15-20cm 32
217 flabellata v pumila blue/white 15cm >
218 flabellata v pumila white 15-25cm 69
219 grahamii red/yellow 20-50cm 100
220 grahamii hybrids 20-25cm 77
221 'Origami Yellow' soft yellow 35-45cm 99
222 oxysepala purple/yellowish 40-80cm 19
223 rockii black-purple 30cm 115
224 saximontana blue/cream 5-25cm >
225 saximontana purple 5-25cm 154
226 scopulorum mix flr colors/blue-grey lvs 5-30cm >
228 sp blue 30cm 155
229 sp clear blue 20cm 50
230 sp double white 50-60cm 13
232 viridiflora dark purplish brown/greenish 15-50cm 69
233 vulgaris blue 30-90cm 15 147
234 vulgaris double purple w/white edge 60cm 113
235 vulgaris mix 30-90cm 15
236 vulgaris pink 30-90cm 147
237 vulgaris white/purple 30-90cm 15
238 vulgaris white/short spurs 50-60cm 147
239 vulgaris 'Nivea' pure white to 90cm 113
240 vulgaris v stellata Barlow Series mix 60-75cm 15
241 vulgaris v stellata 'Green Apples' double green-white 45-60cm 113
242 vulgaris v stellata 'Nora Barlow' rose pink/cream-pale green 60-90cm 181
244 **Arabis** sp (ex wild Colorado) 156
245 **Aralia** cordata 'Sun King' white flr/yellow lvs 90-180cm 108
246 **Arbutus** menziesii creamy white flr/red frt 4-10m 134
247 **Arctostaphylos** columbiana (decumbent form) white 30cm 134
248 **Arenaria** grandiflora white 5-15cm 112
249 norvegica white 3-7cm 44
250 purpurascens pale pink-purple to 14cm 32
251 **Arisaema** consanguineum green/purple-brown 90-180cm 91
253 dracontium green to 130cm 91 115
254 flavum yellow 30-75cm 82 159
255 **Arisaema** flavum ssp abbreviatum (hort) yellow to 70cm 159
256 heterophyllum yellow green-purple tinged to 100cm 21 90 115
257 triphyllum green/purple w/white stripes 60-90cm 82 165
258 **Aristida** fendleriana 10-40cm 185
260 **Armeria** alpina deep pink 7-30cm 38 110
261 caespitosa pink-purple 2-5cm 40 162
263 caespitosa 'Red Faery' rose/red 7-12cm 89 95
264 filicaulis pink/purple to 14cm 32
266 maritima pink-white 2-30cm 31 147
267 maritima red/white 2-30cm 71
269 maritima 'Little Penny' dark rose-pink 3-10cm 89
270 maritima 'Rubrifolia' rose-pink flr/burgundy lvs 15-20cm >
271 maritima 'Victor Reiter' pink 5-10cm 54 107
272 pseudarmeria pink 25-50cm 4 56
273 **Arnoglossum** atriplicifolium white 1-3m 62
274 **Arthropodium** candidum 'Purpureum' white flr/purple-bronze lvs
 10-30cm 175
277 **Arum** italicum cream-light green flr/red frt 30-45cm 21 159 165
278 sp green w/red cast 30cm 65
279 **Aruncus** dioicus v aethusifolius cream 15-30cm 6 54
280 dioicus 'Zweiweltenkind' cream white to 75cm 156
281 **Asarina** procumbens cream/yellow 5-7cm 6 76
282 **Asarum** caudatum v viridiflorum (moist packed) greenish-yellow flr
 7-17cm 169
283 hartwegii (moist packed) reddish-brown 9-21cm 169
284 **Asclepias** angustifolia white/pale purple 20-70cm 87
285 incarnata pink-mauve 1-1.5m >
287 tuberosa orange 30-100cm >
289 **Asperula** orientalis pale-clear purplish blue to 30cm 153
290 **Asphodeline** damascena white flr/blue-green lvs 45-170cm 114
291 liburnica yellow 60-100cm 64 66
292 lutea yellow 90-120cm 26 156
293 taurica white 60-80cm 3
297 **Aster** alpinus blue 15-30cm 160
298 alpinus lavender 15-30cm 36
299 alpinus lilac-purple 6-20cm 57
300 alpinus mix 15-30cm 96 146
301 alpinus purple 15-30cm 15 19
302 alpinus white 15-30cm 58
303 himalaicus blue-purple 8-25cm 52 156
304 likiangensis bluish-lavender purple 3-20cm 142
305 souliei blue-purple/violet 2-45cm 57
307 **Astilbe** chinensis v pumila (ex S Korea Chiri-san HC970423) light-mid
 pink 30cm 5
308 sp mixed colors 155
309 **Astragalus** acaulis pale sulphur yellow to 15cm 119
311 sempervirens pink 5-20cm 119
312 utahensis bright pink-purple flr/woolly lvs 5-10cm 100
313 **Astrantia** major greenish-white/reddish 60-90cm 98
314 **Asyneuma** campanuloides dark bluish-violet 30-50cm 57
315 limonifolium blue 5-15cm 119
316 limonifolium violet-blue 15-30cm 144
317 **Athamanta** turbith white 30-50cm 100
318 **Athyrium** filix-femina 'Lady in Red' red stem 45-60cm 33
321 **Aubrieta** sp (ex Mt Ossa, Greece) 99
322 **Azara** microphylla yellow fragrant flr 4-8m 11
324 **Babiana** tubiflora cream-white/purple-violet spots 7-15cm 99
325 **Baptisia** australis blue-violet flr/blue-black frt to 1.5m 21 169 175
326 australis v minor purple-blue 30-60cm 167
327 bracteata cream-pale yellow 45-75cm 54 153
329 perfoliata yellow flr/blue-grey lvs 60-90cm 117
330 **Barbarea** rupicola yellow 5-40cm 175
331 **Barnardia** (Scilla) japonica lavender/lilac 7-20cm 113 182
332 **Beesia** calthifolia white 14-58cm 175
335 **Begonia** grandis 'Heron's Pirouette' pink 30-60cm 169
336 grandis ssp sinensis pink 20-40cm 3
338 **Bellevalia** paradoxa blackish-blue 12-20cm 160
339 **Berlandiera** lyrata yellow/red-maroon center 10-60cm 84 129
340 **Beta** trigyna greenish-white to 100cm 156
342 **Betula** lenta to 20m 181
343 utilis v jacquemontii to 20m 5

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- 344 **Bletilla** striata violet 18-60cm 151
346 **Brimeura** amethystina white 10-15cm 72
347 **Bukiniczia** cabulica pink flr/white veined lvs to 30cm 112 156
348 **Bupleurum** ranunculoides yellow 10-60cm 64 66
349 rotundifolium yellow-green 10-40cm 151
350 **Calceolaria** andina deep yellow/orange 20-35cm 11 45
351 biflora yellow 10-45cm 58 156
352 chelidonioides yellow 30-50cm 101
353 filicaulis yellow 15-25cm 154
354 'John Innes' yellow/purple spots 10-20cm 96 177
355 **Callicarpa** dichotoma pink-white flr/purple frt 1-2m 178
356 **Callirhoe** involucrata reddish-purple 15-30cm 79 89
357 triangulata magenta-red 45-50cm 170
358 **Calochortus** albus white-pink 20-80cm 17
359 amabilis yellow 10-50cm 59
360 argillosus white/red-lavender markings 40-60cm 59
361 howellii yellowish white 20-35cm 18
362 longibarbus light pink-lavender 10-30cm 64
364 obispoensis yellow-orange/purple-brown tips 30-60cm 18
365 splendens lavender-purple 20-60cm 59
366 uniflorus pink 5-10cm 24
367 venustus mix 10-60cm 18
369 **Caltha** palustris yellow to 50cm 77
371 **Calycanthus** floridus maroon to 3.5m 62
372 **Calylophus** serrulata yellow 15-45cm 34
373 **Camassia** leichtlinii blue-violet/cream 20-130cm 177
374 leichtlinii dark blue-violet 20-130cm 85
375 leichtlinii ssp leichtlinii creamy white 20-130cm 3
376 quamash blue-violet 20-80cm 77
378 **Campanula** alliariifolia white-light violet 50-70cm 156 181
379 aristata pale blue 7-30cm 119
380 betulifolia white/pink bud 10-20cm 32 185
381 carpatica blue 15-30cm 64
382 carpatica 'Rapido Blue' violet-blue 15-20cm 147 175
383 choruhensis white/flushed pink 10-15cm 57 100
384 coriacea lilac 5-15cm 100
385 dolomitica white/yellowish 30-60cm 32
386 hofmannii creamy white 30-60cm 37 45 175
387 incurva pale blue-lilac to 30cm 35 57 156
388 latifolia mix 60-120cm 160
389 latifolia white 60-120cm 122
391 medium mix 60-80cm 158
392 pelia (cf) 57
393 persicifolia lilac 30-90cm 180
394 persicifolia pink 30-90cm 42
395 persicifolia white 30-90cm 19
396 persicifolia 'Telham Beauty' blue 60-120cm 9
397 'Pink Octopus' pink 30-45cm 147
399 primulifolia lavender blue to 90cm 133 175
401 'Ringsabell Indigo Blue' bluish-purple 15-40cm 147
402 'Ringsabell Mulberry Rose' rose pink 15-40cm 147
403 rotundifolia pale-mid violet-blue 10-50cm 153
404 sarmatica lilac-blue flr/grey woolly lvs to 50cm 32 67
406 saxifraga ssp aucheri violet-blue 5-15cm 112
407 thyrsoides pale yellow-cream 20-40cm 100
408 zangezura lavender-violet to 30cm 14
410 **Cardiocrinum** cordatum greenish white 70-200cm 54 113
411 giganteum white/streaked purple 1-3m 181 175
412 giganteum v yunnanense white/purple-red streak 1-3m 149
413 **Carex** appalachica 20-60cm 175
414 grayi spiked club-shaped seed head 40-90cm 90 115
415 pendula 20-100cm 55 90
417 **Carlina** acaulis ssp caulescens silvery white 15-50cm 97
418 **Caryopteris** incana purplish-bluish 25-50cm 29
419 **Castilleja** miniata x integra hybrid 34
422 **Caulophyllum** thalictroides yellow-green flr/blue fruit 20-90cm 113
425 **Cercis** chinensis pink 2-5m 173
426 chinensis purplish red/pink/white 2-5m 178
427 siliquastrum deep pink to 12m 173
428 **Chaenorhinum** organifolium purple-violet 15-25cm 68
429 **Chamaebatiaria** millefolium white 60-200cm 156
430 **Chelidonium** majus 'Flore Pleno' double yellow to 60cm 9
431 **Chiastophyllum** oppositifolium yellow 15cm 37 58
432 **Chilopsis** linearis white w/purple 5m 173
434 **Chionanthus** sp 5
436 virginicus (moist packed) white 3-10m 87
437 **Chlorophytum** saundersiae white 40cm 172
439 **Cinna** arundinacea 28-185cm 141
440 **Cistus** creticus rose-purple 1-1.5m 150
441 laurifolius white 80-200cm 78
442 **Citrus** trifoliata 'Flying Dragon' white flr/yellow frt/contorted to 3.5m 115
443 **Clarkia** hybrid long blooming magenta 90cm 133
444 pulchella fuchsia 10-50cm 60
447 **Clematis** addisonii reddish-purple/cream tips 60-100cm 45 175
448 akebioides yellow/greenish-yellow tinged purple to 5m 126
449 alpina blue-violet/purple to 4m 37
451 'Everett' deep red-purple 1-1.5m 160
453 fremontii pale blue-violet/purple 15-45cm 20
455 fusca purple-brown 35-200cm 175
456 heracleifolia 'China Purple' violet-blue 60-100cm 175
457 hexapetala white 30-100cm 156
458 hirsutissima dark violet-blue 15-65cm 64 154 156
459 integrifolia blue to 1m 158
460 integrifolia purple to 1m 144
462 integrifolia 'Mongolian Bells' white 25-35cm 156
463 integrifolia 'Rosea' pink to 1m 14
464 ochroleuca pale purple 20-70cm 114
466 pitcheri bluish-purple/reddish-purple to 4m 91
467 pitcheri v dictyota pale-dark purple to 4m 28 70
468 recta 'Lime Close' white flr/dark purple lvs to 1.5m 175
469 recta 'Purpurea' white flr/purple new lvs to 1.5m 44 169 184
470 'Rooguchi' indigo-violet/plum purple to 2.4m 5
471 scottii dark violet-blue 15-65cm >
472 serratifolia yellow 4-5m 184
473 tangutica bright yellow 2-4m 63
474 texensis rose-red/scarlet to 3m 50 70 84
476 versicolor pale lavender-reddish purple/cream to 5m 51
477 viorna reddish purple-lavender/cream-yellow to 4m >
478 viorna (chubby form) 25
479 **Cleome** hirta purplish-pink to 1.6m 26 92
480 houtteana lavender to 150cm 21
481 houtteana white to 150cm 21
483 **Clianthus** puniceus red/pink 0.8-3m 181
484 **Clinopodium** grandiflorum pink 20-60cm 175
485 nepeta 'Marvellete Blue' blue-purple 15-20cm 8
486 **Clintonia** umbellulata white-greenish white flr/black frt 27-60cm 153 169
487 umbellulata (moist packed) white-greenish white flr/black frt 27-60cm 45
489 **Codonopsis** lanceolata greenish-cream/purple inside to 1.5m 6 175
490 obtusa pale blue/pale purple inside to 60cm 41
491 ovata pale blue/purple veined 30-40cm 154
494 **Colchicum** sp mixed (autumn-blooming) lilac/pink/white 15-30cm 169
495 **Collomia** grandiflora apricot 40cm 126
496 **Colutea** arborescens yellow to 3m 159
497 **Commelina** coelestis bright blue 30-60cm 175
498 **Conoclinium** coelestinum blue-violet to 1m 147
499 **Convolvulus** boissieri white-pink 2-10cm 112
501 **Coreopsis** lanceolata yellow 10-60cm 180
502 tripteris yellow 90-200cm 79
503 **Cornus** kousa creamy white flr/pink-red frt 7.5-9m 125
505 **Corydalis** nobilis cream-yellow/dark tip 30-50cm 142 158
507 solida (moist packed) mix 10-25cm 169
509 **Coryphantha** sulcata yellow/red 4-12cm 168
510 sulcata (ex Wise Co, Texas) yellow/red 15cm 28
514 **Cotula** sp (ex South Africa) 156
516 **Crambe** cordifolia white to 2.5m 129
517 maritima white flr/blue-green lvs to 75cm 183
518 **Cremanthodium** arnicoides yellow 10-45cm 19 44 159
519 arnicoides x delavayi yellow 45cm 40
520 decaisnei yellow 6-25cm 19
524 **Crocus** goulimyi ssp leucanthus white-very pale lilac 10cm 73
528 kotschyanus lilac 10cm 64

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- 531 **Crocus pulchellus** 'Zephyr' greyish lilac 10cm 35
534 tommasinianus pale lilac-deep purple to 10cm 122
535 **Cryptotaenia japonica** f atropurpurea light pink-purple flr/purple lvs 30-60cm 175
536 **Cunila** origanoides purple-lavender 20-40cm 156
538 **Cyclamen coum** mix 10cm 74
539 graecum pink 6-16cm >
540 graecum 'Windmill' 73
541 hederifolium mix 8-20cm 25 41 159
548 persicum (ex CSE) 72
549 persicum (ex wild form) pink 10cm 74
552 repandum ssp rhodense white/pale pink to 10cm 161
553 **Cypella herbertii** golden yellow 30-50cm 170
555 **Cyrella** racemiflora white-cream to 10m 135
556 **Cyrtanthus** epiphyticus reddish-orange 25-40cm 114
557 **Dactylicapnos** (Dicentra) macrocapnos yellow 2-8m 64 3
558 scandens yellow 2-5m 175
559 **Dactylorhiza** purpurella violet-purple to 45cm 82
560 **Dalea candida** white 30-60cm 156
561 foliosa purple 20-80cm 138
562 purpurea rose-purple 20-90cm 112
563 **Danae racemosa** (moist packed) greenish flr/red frt to 120cm 166
567 **Daphne genkwa** (Chinese form) lilac/lavender 30-100cm 185
568 kurdica white 30-60cm 97 162
569 laureola yellow-green 60cm 58 122
570 laureola ssp philippi yellow-green 30-60cm 142
571 mezereum pink-light purple 50-150cm 11
572 mezereum white flr/yellow frt to 150cm 77 122 175
573 mezereum (compact form) white flr 185
575 pontica yellow-green 50-100cm 142
576 **Darmera peltata** white-pink 30-150cm 128
577 **Dasylirion wheeleri** straw-tan flr/blue-grey lvs 1.5-5m 170
579 **Daucus carota** 'Dara' (PI) deep red fades to pink-white to 90cm 33 102
580 carota 'Purple Kisses' (PI) maroon 80-100cm 151
581 carota 'Rosea' (PI) rose-pink 40-100cm 172
583 **Delosperma congestum** yellow 5-10cm 184
586 **Delphinium elatum** purple 40-200cm 15
587 exaltatum pale lavender/purple 70-200cm 56 90 146
588 exaltatum (moist packed) pale lavender/purple 70-200cm 138
589 grandiflorum 'Blauer Zwerg' deep blue 30-40cm 9
590 grandiflorum 'Blue Butterfly' deep blue 40cm 33
591 likiangense blue 10-50cm 154
593 requienii blue-grey to 120cm 121
594 sp (ex Iran - summer dormant) pale pink 30cm 57
595 speciosum dark blue 10-60cm 57
597 **Deutzia hybrida** (x) 'Magicien' pink/white edge flr 120-180cm 39
599 **Dianthus alpinus** rich pink 5-10cm 144
601 barbatus dark maroon 30-60cm 15
602 barbatus maroon 30-60cm 15
603 barbatus mix 30-60cm 77
604 barbatus pink 30-60cm 15
605 barbatus red 30-60cm 15
606 barbatus white 30-60cm 15
608 callizonus pink-carmine 5-10cm 77 144
609 carthusianorum pink-purple to 60cm 5 56 147
610 chinensis lavender blue 30-50cm 144
611 chinensis 'Siberian Blue' lavender-blue/reddish-violet to 30cm 9 147 160
612 crinitus white/pinkish to 40cm 32
613 deltoides bright pink 15-25cm 57
614 deltoides 'Arctic Fire' white/red-pink eye 15-20cm 159
615 deltoides 'Vampir' deep red 15cm 162
616 ferrugineus dark ruby red to 50cm 105
617 giganteus pink-purple to 1m 144 153 156
618 gratianopolitanus deep rose-pink flr/blue-green lvs 6-25cm 67
620 integer ssp minutiflorus white 5-20cm 105
621 knappii soft yellow to 40cm 156
624 myrtinervius ssp caespitosus deep pink 2-7cm 100
625 nitidus deep pink 7-15cm 79 156
626 pavonius pink-purple 2-25cm >
627 'Peppermint Star' pink/red center 20cm 147
628 petraeus white 10-15cm 41
629 **Dianthus pinifolius** bright pink 25cm 144
630 plumarius mix 30-40cm 147
631 plumarius pink/maroon eye 15-30cm 147
632 'Rainbow Loveliness' pastel mix 30-45cm 155
633 subacaulis 'Tight Blue' pink flr/blue lvs 5-10cm 32
634 superbus pink 25-45cm 64
635 superbus pure white 25-45cm 113
636 superbus ssp alpestris pink-lavender flr/grey lvs 25-45cm 185
637 superbus ssp alpestris white/red 20-25cm 69
638 superbus ssp superbus pink to 60cm 38
639 sylvestris pink to 10cm 100
641 **Dicentra eximia** rose-pink 30-45cm 113
642 **Dicranostigma lactucoides** yellow flr/blue-grey lvs 15-60cm 57
643 **Dictamnus albus** white 60-90cm 122
645 pulcherrimum rosy-purple 90-150cm 11
647 reynoldsii x floriferum 177
648 sp mixed pink to 90cm 41
649 trichorhizum mauve-pink to 60cm 45
650 **Diervilla sessilifolia** yellow 90-150cm 125
651 **Digitalis ciliata** pale yellow 30-60cm 57
652 ferruginea pale yellow-golden brown/rusty 90-150cm >
653 grandiflora pale yellow 70-120cm >
654 hybrid mixed 150cm 15
655 lamarckii cream-white/purplish-brown veins 25-80cm 65
656 lanata cream/purple-brown 30-60cm >
657 lanata 'Cafe Creme' creamy-white/purple-brown veins 30-60cm 175
658 lutea pale yellow 60-90cm >
659 mertonensis (x) copper-pink/rose 90-120cm 158
661 obscura rusty dark orange/green-yellow 30-60cm 99
662 parviflora reddish brown 30-60cm 175
663 parviflora 'Milk Chocolate' reddish-brown 60-90cm 41
664 purpurea purple-pink 1-2m 65
665 purpurea white 1-2m 13 125
666 thapsi pink flr/woolly lvs 30-60cm 156
667 thrana whitish/reddish-brown veins 30-80cm 175
668 viridiflora yellow-green 60-90cm 90
669 **Dimorphotheca pluvialis** whitish/bluish-purplish reverse 5-20cm 64
671 **Dipcadi serotinum** brown-pink/green-yellow 20-40cm 63
673 **Diplarrena moraea** white 50-100cm 175
675 **Dodecatheon alpinum** pink 10-35cm 154
676 clevelandii magenta/white 10-40cm 29
677 conjugens magenta/white 5-30cm 69
678 dentatum white 15-40cm 45 64
679 meadia pink 10-50cm 64 109
680 meadia white 10-50cm >
681 pulchellum magenta-lavender 10-45cm >
686 **Draba arabisans** white 7-30cm 54
688 bryoides yellow 3-5cm 57 131
689 compacta (cf) white 1-5cm 115
690 cusickii yellow 3-12cm 41
692 hispanica yellow 2-10cm >
693 incerta yellow flr/hairy lvs 4-14cm 46 169
694 kitadakensis white flr/grey-green lvs 10-15cm 40
695 korabensis (hort) yellow 5-10cm 115
697 novolympica bright yellow to 4cm 169
698 oligosperma yellow/cream white 2-10cm 112
699 paysonii pale yellow 3cm 46
700 polytricha bright yellow 1-5cm >
701 sphaeroides yellow 3-8cm 57
702 **Dracocephalum argunense** blue-purple 35-57cm 6 149
703 argunense 'Fuji Blue' blue to 30cm 164
704 forrestii blue-purple 13-28cm 142
705 renati creamy white 20-25cm 156
706 ruyschiana blue-purple 15-25cm 95 124
707 **Drimia haworthioides** green/white-purple 20-40cm 111
708 **Drosera linearis** white 2-15cm 82
711 **Dryas octopetala** white/cream 3-12cm 60 107 156
712 **Drymocallis** (Potentilla) arguta creamy white-yellowish 30-100cm 93
713 rupestris white 18-45cm 93 122
714 rupestris 'Nana' white 7-12cm 35 163
717 **Dyckia 'Silver Superstar'** orange flr/pale pink-silver lvs 15-20cm 162

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- 718 **Dysphania** botrys green 14-65cm 163
719 **Eccremocarpus** scaber red-orange to 5m 128
720 **Echeandia** texensis 'Loma del Potrero Cerdado' yellow 90-150cm 170
721 **Echinacea** purpurea pink-purple 50-120cm 155
722 purpurea hybrid magenta 108
723 purpurea 'Rainbow Marcella' (Butterfly Series) raspberry pink-orange 40-45cm 95
724 **Echinocactus** parryi yellow 20-30cm 171
725 texensis 'Kempo Form' red 10cm 171
726 texensis 'Mexico Ayanami Form' red 10cm 171
727 **Echinocereus** coccineus pale yellow 20cm 78
728 engelmannii VZD881 red-magenta 25cm 171
729 hardy mix (coccineus/triglochidiatus/fendleri/reichenbachii/hybrids) red/purple/orange 10-30cm 86
730 reichenbachii (giant form) 156
731 **Echinops** chantavicus (ex Kazakhstan) light blue 60-120cm 152
732 ritro steel blue 90-120cm 47
733 tjanschanicus light blue 1.5m 152
734 **Echium** amoenum russet-red 15-40cm 35 46
735 vulgare blue-purple 30-90cm 156
736 wildpretii 'Red Rocket' reddish flr/silvery lvs to 2m 33
738 **Edraianthus** graminifolius blue-violet 5-10cm 32 79
739 graminifolius 'Albus' white to 15cm 15
740 horvatii blue-violet to 10cm 120
741 niveus white 5-10cm 119
742 pumilio violet-blue flr/silver lvs 1-3cm 34 41 63
743 serbicus violet 10-15cm 32
746 **Elsholtzia** stauntonii rose-purple 70-170cm 155
747 stauntonii white 70-170cm 183
748 **Enemion** biternatum (moist-packed) white 10-40cm 169
749 hallii white 35-85cm 134
750 **Enkianthus** campanulatus cream/rose veins 1.8-3m 64
751 **Ennealophus** euryandrus blue-lavender 25-45cm 81
752 **Ephedra** monosperma red cones to 15cm 93 130 172
753 **Epipactis** gigantea green/purple/brown/pink/white 20cm 78
754 gigantea greenish-rose/red-brown 30-100cm 64
755 **Eranthis** hyemalis yellow to 15cm 72 73
756 hyemalis (moist packed) yellow 5-15cm 12 169
758 **Eremogone** (Arenaria) kingii white/rarely pink 3-20cm 164
759 lychnidea white 10-20cm 57
761 **Eremurus** robustus pale pink-white 2.5-3m 114
762 tianschanicus (ex Tian Shan, Kyrgyzstan) 83
763 **Erigeron** arenarioides blue 6-25cm 112
764 aureus yellow flr/woolly grey lvs 1-15cm 140 144
765 borealis purple 15-25cm 54
766 compositus bluish 5-15cm 140
767 compositus pink 5-15cm 52 82
768 compositus violet 5-15cm 77
769 compositus 'The Giant' white 25cm 134
770 elegantulus mix 3-15cm 112
771 glaucus 'Olga' lavender to 30cm 156
773 leiomerus pale purple 4-12cm 130
774 linearis bright yellow-cream flr/greenish-white lvs 5-15cm 118 119
775 nivalis white-pinkish 5-25cm 119
776 pinnatisectus light blue-purplish 4-11cm 30 85 124
778 'Rosa Juwel' rose pink 60cm 180
780 tener blue-purple flr/grey-green lvs 2-15cm 100
781 ursinus pink-bluish purple 5-25cm 52 156
782 **Erinus** alpinus mix 10-15cm 112 139
783 alpinus rose-pink 10-15cm 30 131
785 **Eriogonum** heermannii v sulcatum yellowish white 5-80cm 100
786 jamesii v jamesii white-cream flr/white-grey woolly lvs 5-25cm 156
789 umbellatum 'Shasta Sulfur' lemon yellow to 30cm 156
790 umbellatum v aureum 'Kannah Creek' yellow turns orange/purple-red winter lvs 30-40cm 156
792 **Eriophyllum** lanatum yellow flr/woolly grey lvs 30-60cm 112 129 150
793 **Eritrichium** canum blue 15-40cm 2
795 **Erodium** manescavi magenta-pink 20-45cm 9
796 trifolium white/purple veins 35cm 168
797 **Eryngium** agavifolium green/white 1m 129 181
798 alpinum blue 30-70cm 40 44
799 **Eryngium** amethystinum light blue-purple 30-50cm 38
800 aquaticum white-purplish tinge to 120cm 138
801 bourgatii silver-blue 15-45cm 156
802 giganteum bluish-silver to 120cm 58 156 181
803 pandanifolium pale green-pinkish purple flr/grey-green lvs 90-180cm 38
804 serra green-white 90-180cm 38
805 yuccifolium greenish-white to 1.5m 47
806 yuccifolium 'Kershaw Blue' tan flr/powder-blue lvs 60-150cm 170
807 **Erysimum** alpinum (hort) yellow 25cm 77
808 arenicola yellow 4-30cm 134
810 cheiri (x) yellow/red/orange 15-60cm 92
811 helveticum yellow 15-30cm 15
812 kotschyianum yellow flr/grey lvs 5-10cm 144
813 marshallii (x) orange to 50cm 15 102
814 pulchellum golden yellow 5-15cm 77
815 **Erythronium** oregonum cream/yellow base/mottled lvs 15-40cm 77
816 revolutum violet-pink 15-40cm 41 77
817 revolutum (ex Saddle Mtn, OR coast range) pink 85
818 **Escobaria** missouriensis (ex Hays Co, Texas) yellow 10cm 28
820 **Eucomis** autumnalis greenish-white to 60cm 81
821 **Euonymus** europaeus yellowish-green flr/red-pink frt 3-6m 98
822 sachalinensis bright red frt 2-3m 159
823 **Eupatorium** hyssopifolium white 50-100cm 5
824 **Euphorbia** mellifera yellow-green to 3m 175
825 **Ferocactus** fordii purple-pale pink to 40cm 171
827 **Fessia** (Scilla) greilhuberi blue-lilac to 25cm 68
828 **Fibigia** clypeata yellow flr/grey woolly lvs 15-75cm 90 102 129
829 eriocarpa yellow flr/grey-green lvs 30-45cm 74
830 **Foeniculum** vulgare 'Purpureum' yellow flr/bronze lvs 90-180cm 117
831 **Fosterella** sp (ex Monteagudo, Bolivia) 177
832 **Frailea** buenekeri ssp densispina (ex AH 0054) yellow 2cm 28
833 castanea (ex LB 640) yellow 1cm 28
834 phaeodisca (ex PR 533) yellow 1cm 28
835 **Francoa** appendiculata pale pink/rose markings 60-90cm 175
836 sonchifolia pink to 60cm 37 150
837 **Franklinia** alatamaha creamy white 5-7m 62
838 **Freesia** alba white/purple-yellow flush 12-40cm 10
839 grandiflora red to 60cm 10 20
840 laxa pink-cerise 20-35cm 6
841 laxa red 20-35cm 11 114
842 laxa white/red eye 20-35cm 175
843 laxa 'Joan Evans' white/red eye to 30cm 11
844 leichtlinii cream 8-20cm 10
845 **Fritillaria** acmopetala yellowish green-purplish brown 30-70cm 12 41
846 crassifolia green-yellow/brown 3-10cm 83
847 eduardii orange-red to 1m 97
848 imperialis orange 40-100cm 114 160
849 imperialis 'Chopin' (Rascal Series) reddish orange 60-70cm 179
850 kurdica yellowish-green/brown-purple 3-10cm 18
851 meleagris mix 15-40cm 19 82
852 meleagris purple checkered 15-40cm 64 65
853 meleagris white 15-40cm 30 169
854 meleagris (v unicolor alba) pure white to 30cm 72
856 orientalis reddish-brown checkered 15-40cm 3
857 pallidiflora pale yellow 15-45cm >
858 persica plum purple-grey green 30-90cm 169
859 pontica pale green/maroon tinged 15-45cm >
860 pyrenaica brownish-purple/yellow-greenish 15-40cm 73
861 raddeana pale yellow 50-80cm 18 25
862 rhodocanakis purplish-brown/yellow 10-15cm 18
864 thunbergii pale yellow/slightly tessellated 15-80cm 3 25 114
865 whittallii green-brown 10-35cm 41
866 **Fumana** thymifolia yellow 20-30cm 112
867 **Gaillardia** grandiflora (x) 'Arizona Red Shades' crimson red 30cm 8
868 **Galanthus** 'Spindleston Surprise' white/yellow tip & ovary to 30cm 41
869 **Galatella** (Aster) sedifolia lavender-blue/pinkish-lilac 60-90cm 156
871 **Galvezia** juncea bright red-scarlet to 1m 126
872 **Gaultheria** pyroloides cream-light pink flr/white frt 10-30cm 64
873 **Gaura** biennis white-rose 120-180cm 93
874 **Gazania** linearis yellow/orange to 30cm 151

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- 875 **Gelasine** elongata bright blue-violet flr/grey-green lvs to 60cm 170
876 **Gentiana** acaulis blue 2-8cm 107 154
878 andrewsii dark blue 30-60cm 75
879 andrewsii white 30-60cm 146
881 angustifolia (Leach BG hybrid) deep blue 7.5cm 54
882 asclepiadea dark blue-purple 50cm 175
883 asclepiadea deep blue 60-90cm 5 123
884 asclepiadea white 60-90cm 37 175
885 asclepiadea (tall form) blue purple 100cm 175
886 asclepiadea 'Knights Hayes' deep blue 30-60cm 37 142
887 asclepiadea 'Rosea' pink-rose 30-60cm 142 175
889 cachemirica blue 10-25cm 147
890 clausa blue-purple 30-60cm 113
892 clusii 'Alboviolacea' pale pink/dark pink spotted throat & reverse 5cm 118
893 cruciata violet-blue 20-40cm 5 52 161
894 cruciata 'Blue Cross' dark blue to 30cm 147 175
895 dahurica dark blue-purple 10-25cm 32 107
896 decumbens (cf) 57
897 depressa pale purple-blue 3-6cm 116 147
898 gelida pale yellow-cream to 40cm 119
899 linearis blue-purple 25-70cm 137
900 lutea yellow 1-2m 19 37
901 nubigena white 3-10cm 86
902 paradoxa blue 15-25cm 85 156
903 paradoxa x septemfida blue 10-20cm 156
904 saponaria 'Shoal Creek' 170
905 septemfida deep blue 15-30cm 156 158
906 septemfida white 15-30cm 156
907 septemfida v lagodechiana blue to 10cm 64
908 siphonantha dark blue-purple 10-25cm 119
909 sp (ex Kazakhstan) 156
910 uchiyamae blue-purple 30-70cm 45
911 verna deep blue 5-8cm 44 45 58
912 verna white 5-8cm 58
914 **Gentianopsis** crinita blue 30-60cm 137
915 **Geranium** brevicaulle 'Nigricans' white flr/dark brown lvs 2.5-15cm 30
917 maculatum 'Espresso' lavender flr/brown lvs 45-60cm 6 136
918 magniflorum purple 15-25cm 156
919 renardii white-lavender veins to 30cm 100
920 sanguineum pink mix 20-40cm 158
921 sanguineum 'Striatum' pale pink/dark pink veins 10-20cm 67
923 **Geum** montanum bright yellow 10-35cm 110
924 radiatum yellow 10-45cm 137
925 reptans yellow 5-20cm 110
926 rivale pink 25-70cm 90
927 triflorum cream/pink-purple 10-45cm 6
928 **Gillenia** trifoliata white/pale rose 40-100cm 5 94
929 **Gladiolus** 'Atom' red/white edge 30-90cm 175 177
930 carneus white/pink 25-60cm 99
931 communis reddish purple 50-100cm 64 154
932 dalenii 'Carolina Primrose' pale yellow 45-90cm 175
933 flanaganii bright red/paler red to 30cm >
934 imbricatus reddish-violet purple 40-60cm 154 184
935 italicus pink-light purple 50-100cm 3 74
936 priorii red 30-40cm 29
937 tristis cream/brown shading 40-100cm 111 121
938 **Glaucidium** palmatum (many stems w/2 flrs rather than 1) purple 45-60cm 88
939 palmatum mix 45-60cm 178
940 palmatum pink-pale purple 45-60cm >
942 **Glaucium** grandiflorum dark orange-red 30-50cm 29
943 grandiflorum x flavum hybrid orange 60-90cm 177
944 hybrids (acutidentatum x corniculatum) mix 156
945 **Gleditsia** sinensis yellowish white to 30m 173
947 **Globularia** cordifolia pale lavender-blue 5-10cm >
948 nudicaulis blue 20-30cm 151
949 spinosa blue-purple 10-20cm 110
951 trichosantha violet-blue 15-20cm 32 139
952 **Gloriosa** modesta bright yellow/orange to 2m 64
958 **Gypsophila** repens white/pale lilac-purple to 20cm 77
961 **Habranthus** robustus pale pink 15-30cm 10 81
962 tubispathus yellow-copper 10-20cm 29
963 **Hakonechloa** macra 'Aureola' yellow striped lvs 45cm 33
967 **Haplopappus** glutinosus yellow-orange 5-15cm 89 95
968 **Helenium** autumnale yellow 50-130cm 158
969 **Helianthemum** nummularium mix 20-30cm 156
970 nummularium pink/yellow mix 10cm 158
971 nummularium ssp pyrenaicum pink 20-30cm 77
972 **Helianthus** maximiliani yellow 50-300cm 93
973 microcephalus yellow 20-200cm 93
974 **Helleborus** foetidus yellow-green 30-80cm 16
975 hybridus (x) small dark spotted 67
976 hybridus (x) (moist packed) dark forms to 45cm 175
978 hybridus (x) (moist packed) double black to 45cm 169
979 hybridus (x) (moist packed) mix pink/purple w/spots to 45cm 169
980 hybridus (x) (moist packed) mixed to 45cm 175
981 hybridus (x) (moist packed) mixed whites to 45cm 166
982 hybridus (x) (moist packed) pure white to 45cm 169
983 hybridus (x) (moist packed) white w/spots to 45cm 169
984 hybridus (x) Ashwood Garden Hybrid (moist packed) blacks 25-30cm 166
986 hybridus (x) Ashwood Garden Hybrid (moist packed) frosted 25-30cm 166
987 hybridus (x) Ashwood Garden Hybrid (moist packed) veined picotee 25-30cm 166
989 hybridus (x) 'Eco Black Lace' (moist packed) dark veins to 45cm 169
990 hybridus (x) 'Eco Dragon's Blood' (moist packed) pink/green w/dark spots to 45cm 169
992 hybridus (x) 'Neon' Ashwood Evolution Group (moist packed) yellow-golden/deep red veins 25-30cm 166
993 hybridus (x) 'Sunshine Strain' mix 30-45cm 27
994 hybridus (x) 'Sunshine Strain' (moist packed) mix 30-45cm 169
995 multifidus (moist packed) green to 50cm 166
996 multifidus ssp serbicus (moist packed) dark purple/green to 40cm 166
997 niger (moist packed) white 15-30cm 175
998 **Helianthus** umbellata white tinged pink 4-20cm 64
1000 **Hemerocallis** citrina v vespertina clear yellow 1-1.4m 113
1002 **Hemiboea** subcapitata white/purple spotted 10-40cm 3
1005 **Hepatica** nobilis red 10-15cm 77
1008 nobilis 'Rosea' rich pink 10-15cm 77
1009 **Hesperantha** baurii bright pink to 20cm >
1010 huttonii pink 20-45cm 64
1011 **Heterotheca** jonesii yellow 2-6cm 6 71
1013 **Heuchera** bracteata greenish yellow 6-28cm 154
1014 hallii white 10-30cm 156
1015 pulchella pinkish white 7-15cm >
1016 sanguinea 'Leuchtkafer' ('Firefly') bright red 30cm 9
1017 sp (ex Fred Case) red/pink 20cm 32
1018 **Hibiscus** hamabo yellow-orange red/dark red center 1-5m 135
1019 makinoi pink 2-4.5m 135
1020 moscheutos pink/white w/maroon eye to 2.5m 172
1021 **Hieracium** maculatum yellow flr/mottled lvs 10-50cm 112
1022 tomentosum yellow flr/white woolly lvs 10-40cm 100
1023 villosum yellow flr/silver-grey woolly lvs 30-45cm >
1024 **Hippeastrum** 'Charisma' red/white 60cm 81
1025 hybrid 'HJB' (hardy zone 7) red orange-red/cream-white splash on some 60cm 81
1026 **Holodiscus** discolor white/pink tinged 0.5-5m 156
1028 **Hosta** capitata pale purple-violet 25-70cm 3
1030 venusta purple violet 8-24cm 31
1031 **Hunnemannia** fumariifolia yellow flr/grey-green lvs to 60cm 76
1033 **Hydrangea** quercifolia white to 8m 21
1034 **Hydrastis** canadensis white flr/red frt 15-50cm 113
1035 canadensis (moist packed) white flr/red frt 15-50cm 169
1036 **Hypericum** androsaemum yellow 30-70cm 120
1037 buckleyi golden yellow 5-45cm 137
1038 hircinum yellow to 2m 93
1039 olympicum (cf) (dwarf form) 156
1040 przewalskii yellow 30-55cm 93
1041 uniflorum yellow 3-10cm 119
1042 **Hypochaeris** uniflora yellow 30-50cm 110

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- 1044 **Hyssopus officinalis** purplish-blue/pink/white 30-60cm 8
1046 **Iberis simplex** white flr/violet bud 5-10cm 4 57 156
1048 **Ilex** 'Nellie R. Stevens' bright red frt 4.5-6m 33
1049 *verticillata* 'Baifire' ('Wildfire') white flr/bright red frt to 2.5m 33
1050 *verticillata* 'Winter Red' bright red frt 1.8-2.4m 155
1051 **Iliamna rivularis** rose-purplish/white 90-180cm 158
1052 **Illicium floridanum** (moist packed) red-maroon to 3m 62
1053 **Impatiens bicolor** pink/yellow 26-75cm 152 159
1055 **Incarvillea diffusa** pink/purple-red to 1.5m 126
1057 *olgae* pink-purple 100-150cm 150
1058 *sp* large pink flr 40cm 45
1059 *youngusbandii* rose-purple 10-20cm 114
1060 *zhongdianensis* deep pink-magenta 20-50cm 45
1061 **Inula acaulis** v *caulescens* yellow 6-20cm 119
1062 *helenium* yellow 50-150cm 165
1063 *magnifica* yellow to 1.8m 149 181
1064 *verbascifolia* yellow flr/silver woolly lvs to 30cm 100
1065 **Iodanthus pinnatifidus** light purple-white 30-80cm 7
1066 **Ionactis** (Aster) *linariifolia* pink 6cm 96
1067 **Ipomoea lobata** red-orange-yellow to 5m 121
1068 *purpurea* 'Dacapo Light Blue' clear blue/dark purple star 2m 121
1069 **Ipomopsis aggregata** scarlet-red 30-150cm 60 129
1070 *longiflora* white/pale lavender-blue 20-45cm 100
1071 *rubra* scarlet red 60-180cm 138 156 160
1072 **Iris bloudowii** yellow 8-30cm 118
1073 *Cal-Sib* hybrid (Pacific Coast x Sibirica) (dwarf) white 20-25cm 178
1074 *cristata* blue/lilac-purple 4-8cm 5
1076 *delavayi* purple/white veined falls 1m 19
1077 *dichotoma* purple 40-60cm 59
1078 *domestica* orange-red-yellow/red spots 60-90cm 151
1079 *domestica* 'Hello Yellow' yellow 25-60cm 10
1080 *ensata* mix 25-100cm 69 178
1081 *forrestii* yellow 11-50cm 37
1083 *gracilipes* pale purple 15-30cm 102
1084 *hookeri* deep-pale blue/blue-violet 5-60cm 69 89 136
1085 *innominata* yellow 25cm 64
1086 *japonica* pale bluish 25-60cm 115
1087 *kerneriana* yellow to 30cm 63
1088 *lactea* mixed 14-70cm 59
1089 *lactea* pale violet/milky white-yellow 14-70cm 22 35
1090 *latifolia* deep blue to 60cm 37
1091 *latifolia* mixed blue/purple to 60cm 64
1092 *lutescens* violet-purple to 30cm 57
1093 *magnifica* pale lilac-white/yellow zone 30-60cm 35 63 83
1094 *magnifica* white 30-60cm 74 35
1095 *magnifica* 'Aman-Kutan' x 'Agalik' white/blue veins 50cm 59
1096 *magnifica* 'Virginity' pure white 30-60cm 35
1097 *missouriensis* blue-purple 25-60cm 156
1098 *norrisii* (x) mix 60-90cm 102
1099 *norrisii* (x) 'Dazzler' yellow/orange/pink/purple/red to 40cm 82
1100 Pacific Coast hybrid 'Blue Nebula' red-purple/blue 35cm 68
1101 Pacific Coast hybrid 'Crandall's White' white/yellow signal patch
 40cm 175
1103 *prismatica* pale violet/blue 30-80cm 59 102
1104 *pseudacorus* (PI) yellow 70-150cm 37 98
1106 *sanguinea* 'Nana Alba' white 10-20cm 175
1107 *setosa* deep violet-blue 15-90cm 31 128
1108 *setosa* mix 15-90cm 178
1109 *sibirica* violet/blue 50-120cm 156
1110 *sibirica* white/bluish 60cm 140
1111 *sibirica* 'Pink Haze' lavender-pink 60-90cm 175
1112 *sintenisii* blue-violet 20-35cm 97
1113 *sp* blue dwarf 155
1114 *spuria* ssp *maritima* blue-violet/purple 20-70cm 85
1115 *spuria* ssp *musulmanica* blue-violet/lavender-purple 40-100cm 63
1116 *tectorum* bluish-violet 20-40cm 35
1117 *tectorum* white 20-40cm 5 16 123
1118 *typhifolia* dark violet 50-90cm 85
1119 *variegata* yellow/brown veined falls 20-45cm 118
1120 *versicolor* red-violet 60-75cm 175
1121 *versicolor* violet-blue/greenish-yellow patch 20-60cm 42
1122 **Isodon umbrosus** blue-purple 50-100cm 3
1123 **Ixiolirion tataricum** light blue-dark violet 10-40cm 57 144 154
1124 **Jeffersonia diphylla** white 40cm 6 77
1125 *diphylla* (moist packed) white 40cm 169 175
1126 **Junellia succulentifolia** bluish-white/violet 15-30cm 156
1127 **Kalimeris incisa** pale blue 30-45cm 5
1128 **Kalmia latifolia** pink-purple 2-8m 64
1129 **Kirengeshoma palmata** yellow 80-120cm 5
1130 **Kniphofia baurii** red-greenish yellow to 1m 99
1131 *hirsuta* orange red/yellow 30-60cm 156
1132 *ritualis* orange red-greenish yellow 40-90cm 156
1133 *uvaria* orange-greenish yellow 50-120cm 180
1134 **Koelreuteria bipinnata** yellow flr/pink frt 7-20m 173
1135 *paniculata* 'Rose Lantern' yellow flr/rose-red fruit to 10m 178
1136 **Lachenalia quadricolor** red base/yellow/green/purple tip 15-28cm 113
1137 **Lallemantia canescens** dark violet blue-lavender 20-50cm 156
1138 **Larix kaempferi** 'Diana' contorted branches to 6m 91
1139 **Lathyrus odoratus** mix/fragrant 1-2m 177
1140 *sativus* blue 30-70cm 179
1141 *vernus* deep pink-purple 20-40cm 169
1143 **Lavandula angustifolia** 'Hidcote' deep blue purple to 50cm 42
1144 **Layia platyglossa** yellow/white 30-70cm 133
1145 **Leontopodium himalayanum** white 7-32cm 19
1146 **Leonurus cardiaca** pink-lilac 60-100cm 156
1147 **Leopoldia comosa** violet-blue/brownish-green 20-60cm 57 74 114
1148 *comosa* (ex Corbieres, France) tan/purple 30-40cm 64
1149 *weissii* brown-yellowish/violet-purplish 8-30cm 64
1151 **Lespedeza violacea** purple 40-80cm 51
1152 **Leucanthemella serotina** white/greenish-yellow center to 180cm 90
1153 **Leucocoryne odorata** white 30-45cm 18
1154 **Levisticum officinale** yellow/greenish-yellow 1.8-2.5m 92
1156 **Lewisia columbiana** v *wallowensis* white/pink veins 10-30cm 32 96
1157 *cotyledon* mix 10-30cm 175
1158 *cotyledon* orange/pink 10-30cm 85
1159 *cotyledon* white 10-30cm 134
1163 *pygmaea* white 3-9cm 154
1165 **Liatris ligulistylis** lavender 120-150cm 117
1166 *ligulistylis* pinkish purple 20-100cm 5
1167 *microcephala* lavender-purple 30-80cm 5
1168 *pycnostachya* deep rose purple 60-120cm 5
1169 *scariosa* lavender-purple 30-150cm 51
1170 *scariosa* v *nieuwlandii* pink-purple 30-100cm 138
1171 *scariosa* v *novae-angliae* reddish-purple 30-100cm 172
1172 *spicata* pink-purple 40-110cm 160
1173 *spicata* 'Kobold' pink-purple 45-75cm 181
1174 **Libertia grandiflora** white 50-80cm 37
1175 **Ligularia alpigena** yellow 22-140cm 40
1177 *stenocephala* yellow 40-170cm 181
1178 **Ligusticum scoticum** green-white 15-60cm 156
1179 **Lilium canadense** melon to 1.5m 153
1180 *canadense* orange to 1.8m 56 6
1182 *canadense* red-orange to 1.8m 101
1183 *canadense* yellow to 1.8m 114
1184 *canadense* yellow-orange/red to 1.8m 101
1185 concolor 'Shikoku Yellow' yellow/red spots 30-60cm 170
1186 *duchartrei* white/red-purple spots 50-150cm 128
1187 *formosanum* white/maroon stripe outer 120-200cm 50
1188 *formosanum* v *formosanum* white/flushed purple reverse
 20-55cm 114 117
1190 *mackliniae* pink 30-50cm 114
1191 *martagon* cream/red mix 1-2m 19
1192 *martagon* mix 1-2m 82 136
1193 *martagon* pink 1-2m >
1194 *martagon* pink-purple/spotted 1-2m 13 37
1195 *martagon* white 1-2m 101 156
1196 *martagon* white/pink 1-2m 175
1197 *martagon* (robust form) pink 1-1.5m 175
1198 *martagon* 'Akemina' (nv) orange 100cm 19
1199 *martagon* 'Claude Shride' mahogany-red/deep orange spots
 90-180cm 82
1200 *martagon* 'Fairy Morning' pink/yellow/apricot 90-180cm 82

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- 1201 **Lilium** martagon 'Manitoba Morning' pinkish-red/yellow-brown spots 90-120cm 82
- 1202 martagon v cattaniae (hort) dark maroon to 2m 136
- 1203 michiganense yellow-orange to 1.9m 44
- 1204 monadelphum yellow 50-100cm 120
- 1207 philippinense white 30-90cm 81
- 1208 regale white w/yellow throat/purple flush reverse 120-150cm 23
- 1209 regale (ex Taiwan) 177
- 1210 superbum yellow-red orange/maroon spots to 2.8m 53
- 1211 **Limnantes** douglasii white/yellow center 3-35cm 29
- 1213 **Limonium** cosyrense lavender-blue 10-25cm 4
- 1214 gougetianum pale violet 10-20cm 4
- 1215 minutum light violet 10-15cm 112
- 1216 sp (ex Peter Korn SJ6357) pale pink 15cm 44
- 1217 **Linaria** aeruginea mix 10-20cm 26
- 1219 purpurea purple-violet 30-70cm 143 147
- 1220 tristis yellow/purple-brown 10-30cm 57
- 1221 **Lindelia** longiflora bright blue-purple 15-60cm 154
- 1222 **Lindera** umbellata yellow-green to 4m 135
- 1223 **Linnaea** amabilis whitish tinged pink to 3m 169 178
- 1224 **Linum** alpinum purple 79
- 1225 lewisii blue 5-80cm 156
- 1226 monogynum white to 40cm 68 143
- 1227 **Lithospermum** erythrorhizon white 40-90cm 93
- 1228 **Lobelia** cardinalis red 60-120cm >
- 1229 laxiflora red/yellow 1.5-3m 11
- 1230 siphilitica 'Mistassinica' blue 10-15cm 106
- 1231 grayi yellow 15-50cm 77 100
- 1232 **Lomelosia** (Scabiosa) caucasica pale blue to 60cm 158
- 1233 **Lunaria** annua purple 60-90cm 15
- 1234 annua 'Alba Variegata' white flr/variegated lvs 60-90cm 160
- 1235 annua 'Corfu Blue' blue-purple 45-90cm 185
- 1236 **Lupinus** microcarpus yellow to 80cm 126
- 1237 microcarpus v densiflorus yellow 40-80cm 17
- 1238 perennis blue-purple/pink to 60cm 13
- 1239 Russell hybrids mix 1m 15
- 1240 texensis blue 20-50cm 109
- 1241 **Lychnis** arkwrightii (x) 'Vesuvius' orange-red flr/purple lvs to 45cm 123
- 1242 'Molten Lava' red flr/dark lvs to 30cm 26
- 1243 yunnanensis (hort) mix 20-45cm 30 85
- 1244 **Lysichiton** americanus yellowish green to 70cm 14
- 1245 **Lysimachia** ephemera white flr/grey-green lvs to 1m 93 148
- 1246 **Magnolia** loebneri (x) 'Leonard Messel' white/rosy purple to 4.5m 5
- 1247 macrophylla cream-white to 15m 87 108 3
- 1249 sieboldii white 5-10m 159
- 1252 **Maianthemum** (Smilacina) racemosum white flr/red frt 75-125cm 6 169
- 1253 **Malva** moschata white to 90cm 52
- 1254 sylvestris pink-purple to 1.25m 38 112
- 1255 **Manfreda** maculosa pale yellow-white turn pink-rose flr/spotted lvs to 40cm 4
- 1256 maculosa 'Hondo Robusto' cream-lavender pink flr/spotted lvs 30cm lvs/90cm flr 170
- 1257 sp (ex JC Raulston Arboretum) brown flr/moderately wavy & spotted lvs 30cm lvs/1.5m flr 81
- 1258 undulata 'Cherry Chocolate Chip' burgundy flr/spotted wavy lvs w/red-white edge 20-120cm 170
- 1259 virginica yellow-green 8-40cm lvs/140cm flr 172
- 1260 **Massonia** depressa green/cream/pink 5cm 20
- 1261 echinata cream white 5cm 29
- 1262 pustulata cream-pink to 5cm 29 148
- 1263 **Matthiola** montana lilac-pink flr/grey-green hairy lvs to 17cm 32
- 1265 **Meconopsis** baileyi blue to 1m 19 77
- 1266 baileyi violet to 1m 77
- 1267 'Lingholm' (Fertile Blue Group) sky blue 1-1.2m 43 77
- 1269 **Melasmaerula** ramosa cream-pale yellow 30-50cm 29
- 1270 **Melica** ciliata 50-100cm 124
- 1272 **Milium** effusum 'Aureum' yellow-green lvs 30-60cm 156
- 1273 **Mimulus** cardinalis orange-red/scarlet 25-80cm 64 134
- 1274 guttatus yellow 2-150cm 154
- 1275 ringens lavender-purple 20-130cm 90 113
- 1278 **Mirabilis** multiflora magenta 40-70cm 49 144
- 1279 **Mitella** diphylla (cf) pink 30-40cm 6
- 1280 **Moltkia** petraea deep violet-blue 20-40cm 114 156
- 1281 **Molucella** laevis green calyx/white flr 60-100cm 29
- 1282 **Monarda** bradburiana pinkish-white w/purple spots 30-60cm 138
- 1283 fistulosa lavender-pink 50-120cm 79
- 1285 **Monardella** odoratissima ssp glauca purple/red-purple 10-30cm 78
- 1286 **Moraea** alticola pale yellow to 90cm 114
- 1288 longifolia pale yellow 60-150cm 64
- 1289 polyanthos blue 15-60cm 24
- 1290 setifolia pale lilac 20-40cm 64
- 1291 vespertina white 45-60cm 24
- 1292 villosa mix to 40cm 24
- 1293 **Morina** longifolia white turns pink-deep red to 90cm 175
- 1294 **Muhlenbergia** cuspidata 20-60cm 75
- 1295 **Muscari** latifolium dark purple/pale violet 15-30cm 169
- 1296 sp (ex MESE 240) blue 12cm 74
- 1297 **Myosotis** alpestris blue 5-20cm 15
- 1301 **Narcissus** bulbocodium yellow 10-15cm 63
- 1305 obvallaris yellow 30cm 18 77
- 1306 rupicola yellow to 23cm 63 77
- 1307 **Nassella** tenuissima 30-90cm 106
- 1308 **Nemophila** menziesii blue/white to 15cm 133
- 1309 **Nicotiana** glauca (Pl) green-yellow 2-6m 183
- 1310 langsdorffii chartreuse to 1.5m 113
- 1311 sylvestris white to 1.5m 121 183
- 1312 **Nigella** damascena blue 20-50cm 155
- 1313 **Notholirion** bulbuliferum lilac/mauve/pale purple 65-105cm 65
- 1314 **Nothoscordum** ostenii yellow 10cm 72
- 1316 **Oenothera** acaulis 'Aurea' yellow 5-10cm 64
- 1317 argillicola yellow to 150cm 138
- 1318 cespitosa white-turns pink to 20cm 90 156
- 1319 elata ssp hirsutissima (fragrant strain) yellow 60cm 78
- 1320 elata ssp hookeri yellow 40-180cm 133
- 1321 glazioviana yellow fading red-orange 50-150cm 158
- 1323 longituba yellowish green 50-100cm 64
- 1324 macrocarpa yellow 15-30cm 79
- 1325 macrocarpa ssp fremontii yellow flr/silvery-green lvs 15-20cm 156
- 1326 macrocarpa ssp macrocarpa yellowish green 10-40cm 156
- 1327 rosea pink/rose-purple 10-50cm 93
- 1328 sp yellow flr/long red stalks 150cm 177
- 1330 **Onosma** cinerea (cf) pale yellow flr/grey hairy lvs to 40cm 169
- 1332 **Ophiopogon** umbraticola (moist packed) whitish-lavender flr/blue frt 15-30cm 170
- 1333 **Orbea** variegata pale yellow/maroon speckled to 10cm 76
- 1334 **Orbexilum** (Psoralea) pedunculatum v psoralioides 'Nash' lavender 45cm 170
- 1335 **Origanum** acutidens yellow-green bracts/white-pink flr to 50cm 156
- 1336 'Kent Beauty' rose-pink flr/silvery lvs to 25cm 156
- 1337 rotundifolium lavender-pink/pale green bracts/pale grey lvs 10-20cm 175
- 1338 sp pink flr/blue lvs 60cm 80
- 1339 **Orlaya** grandiflora white 45-60cm 102
- 1340 **Ornithogalum** candicans white to 120cm 2
- 1341 fimbriatum white 20-45cm 111
- 1342 neopaterosia greenish-white 15-20cm 111
- 1343 princeps pale green-cream 60-90cm 65
- 1344 pyrenaicum pale greenish-yellow 30-60cm 3
- 1345 regale pale green 90-120cm 65
- 1346 viridiflorum pale yellow-green to 1m 65 66
- 1347 **Orostachys** aggregata white-cream flr/grey-green lvs 10-15cm 47
- 1348 chanetii white 10-30cm 156
- 1349 fimbriata white flr/brown-orange lvs 10-20cm 170
- 1350 minuta reddish/purple spotted 2-6cm 156
- 1351 spinosa yellowish green 10-30cm 170
- 1352 **Orychophragmus** violaceus violet 30cm 175
- 1353 **Othonna** capensis yellow 10-13cm 151
- 1354 **Oxypetalum** (Tweedia) coeruleum sky blue to 1m 41
- 1355 **Oxytropis** campanulata magenta-purple 15-30cm 119
- 1356 **Packera** (Senecio) aurea yellow 30-60cm 141
- 1357 **Paeonia** 'Abkhazi Princess' white/dark purple eye 161
- 1358 anomala pink to 1m 117 156

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1360	Paeonia anomala ssp veitchii rose-red 30-90cm 45 159	1447	Penstemon 'Dark Towers' pale pink flr/dark bronze-red lvs 45-90cm 33 160
1361	arietina rose-red 30-70cm 32 83 161	1448	davidsonii blue-lavender/purple 10-15cm 109
1364	daurica red 45cm 117	1449	davidsonii white 10-15cm 134
1366	daurica ssp coriifolia rose 70-100cm 103	1450	davidsonii v menziesii purple-lavender 5-10cm 77 154
1367	daurica ssp mlkosewitschii yellow 80-100cm 45 156	1451	deustus cream/purple lines 20-40cm 4
1370	delavayi red 20-180cm 19	1452	white 70-150cm 88
1371	delavayi f lutea yellow compact form 161	1453	'Gold Foil' white-pinkish flr/yellow-bronze lvs 30-50cm 170
1373	mascula light pink to 90cm 82	1454	'Husker Red' white flr/maroon lvs to 90cm 8
1374	mascula ssp mascula red-pink to 80cm 156	1455	'Mystica' white-lavender flr/burgundy lvs to 150cm 9
1375	obovata cream 30-70cm 5	1456	eatonii deep scarlet-red 40-100cm 144 180
1376	obovata mix 30-70cm 123	1457	fruticosus hybrids mix 77
1377	obovata pink 30-70cm 109 113	1458	fruticosus v fruticosus blue-lavender/light purple 15-40cm 32
1378	obovata white 30-70cm 3 123	1459	fruticosus v serratus pink 15-40cm 52
1379	officinalis ssp officinalis red-pinkish 35-90cm 156	1460	gairdneri v gairdneri blue-lavender/rose-purple 10-40cm 119
1381	ostii white to 1.5m >	1461	grandiflorus dark pink 35cm 86
1383	rockii mix to 1.8m 103	1463	grandiflorus mix 50-100cm 47 96
1384	rockii pink 60-180cm 103 161	1464	grandiflorus pale pink 60cm 164
1385	rockii rich pink to 1.8m 94	1465	grandiflorus white-pale pink 50-100cm 129
1386	rockii white/dark purple eye to 1.8m 73 114 161	1466	grandiflorus (ex Isanti Co MN) pink/mauve 100cm 124
1388	suffruticosa (x) dark red to 1.5m 103	1467	grandiflorus 'War Axe' strain mix 60-90cm 70
1389	suffruticosa (x) mix to 1.5m 5 169	1469	haydenii milky blue-lavender 15-45cm 154
1390	suffruticosa (x) white to 1.5m 108 166	1470	heterophyllus blue-violet/purple 30-150cm 180
1392	Papaver alpinum orange 5-25cm 118	1471	hirsutus lavender-violet/white 20-60cm 156 180
1393	alpinum pale orange 5-25cm 46	1472	hirsutus pink 20-60cm 79
1394	apokrinomenon soft orange 20-30cm 74	1473	hirsutus 'Pygmaeus' lavender/pink 15cm 84 113
1395	atlanticum soft apricot orange to 45cm 13 95 151	1474	hirsutus 'Pygmaeus' lavender/white 15cm >
1396	atlanticum 'Flore Pleno' semi-double orange 45-60cm 12 107 156	1475	hirsutus 'Pygmaeus' pink 15cm 79
1397	burseri pure white flr to 20cm 30	1476	hirsutus 'Pygmaeus' purple 15cm 139
1398	cambricum mix 40-60cm 90	1477	hirsutus 'Pygmaeus' white 15cm 75 118
1399	cambricum yellow 40-60cm 26 43	1478	humilis ssp brevifolius dark blue 10-20cm 77
1400	cambricum flore-pleno mix 40-60cm 77	1479	laricifolius cream/pink/lavender 10-20cm 156
1401	commutatatum 'Ladybird' red/black-spotted base to 45cm 49	1481	linarioides pale blue-violet 10-50cm 144
1402	croceum (aff) yellow 30-40cm 49	1483	lyallii pale lavender 30-80cm 119
1403	degenii yellow 5-15cm 46	1484	mensarum dark purple-blue 40-50cm 78 144 154
1404	lasiothrix deep red 60-90cm 132	1485	newberryi hybrids pink 77
1405	nudicaule mix 10-40cm 15	1486	newberryi ssp sonomensis cherry red 12-30cm 68
1406	orientale orange/red 30-90cm 15	1487	nitidus bright blue-pinkish flr/blue-grey lvs 10-30cm 118
1407	orientale 'Prinzessin Victoria Louise' salmon-pink/black center 60-90cm 19	1488	ovatus blue-purple 30-100cm 5 134
1408	popovii orange 10-25cm 180 105	1489	palmeri white tinged pink-deep pink 50-180cm 70 86
1409	radicatum ssp kluanensis yellow to 17cm 154	1490	pinifolius red 10-50cm 156 175
1411	rheas red/black base to 70cm 151	1491	pinifolius 'Mersea Yellow' yellow 20-30cm 156
1412	rheas red/pink to 70cm 13	1492	procerus blue 5-15cm 144
1413	somniferum coral to 120cm 31	1493	procerus cream 5-40cm 134
1414	somniferum mix to 120cm 12	1494	procerus deep blue-purple 5-40cm 119
1415	somniferum 'Frosted Salmon' double salmon-pink/white edges 90cm 33	1495	procerus lavender 5-25cm 144
1416	somniferum 'Lauren's Grape' deep red-purple to 120cm 13 117	1496	pseudospectabilis deep reddish-pink/magenta 30-100cm 144 180
1417	Paradisea lusitanica white 80-120cm 64 177	1497	richardsonii pink-lavender/blue 20-80cm 93
1419	Paris quadrifolia yellow-green flr/blue-black frt 25-40cm 37	1498	roseus red/crimson to 120cm 143
1420	Parnassia asarifolia white/green veins 18-50cm 137	1499	rostriflorus scarlet 30-100cm 156
1421	Parodia erubescens (x) lemon yellow 20cm 170	1500	rupicola pink-deep rose to 10cm 154 175
1422	mammulosa ssp submammulosa yellow/pale pink 5-10cm 170	1501	rupicola purple to 10cm 154
1423	ottonis yellow to 15cm 170	1502	rupicola hybrids mix 77
1424	Pasithea caerulea blue 60cm 128	1503	rydbergii blue-purple 20-70cm 154
1425	Patrinia gibbosa yellow 20-60cm 183	1504	secundiflorus mix 15-50cm 35
1426	scabiosifolia yellow 30-100cm 149	1505	serrulatus deep blue-purple 20-70cm >
1427	Pavonia praemorsa pale yellow flr/apricot buds 1-2m 76	1506	serrulatus pink-purple 40-45cm 26
1428	Pedicularis groenlandica pink-purple 10-60cm 154	1507	smallii pale red-purple 40-60cm 62 155 180
1429	Pelargonium endlicherianum deep pink-maroon veins 20-35cm >	1508	spatulatus blue-violet 10-25cm 119
1432	Peltoboykinia watanabei cream-yellow 45-85cm 88 90 186	1509	strictus deep blue/violet 35-70cm 154
1434	Penstemon azureus ssp angustissimus violet-blue/purple 13-50cm 180	1510	superbus scarlet 30-120cm 70
1435	barbatus blue/pink mix 60-90cm 158	1511	tenuis pink 40cm 173
1436	barbatus orange 120cm 88	1512	tenuis violet-purple 40-90cm 143
1437	barrettiae lilac/rose-purple 15-40cm 68	1513	uintahensis sky blue 5-15cm 49 154
1439	calycosus whitish 60-90cm 173	1514	virens deep blue-violet 10-40cm 46
1440	cardinalis deep red 40-70cm 70 86	1515	virgatus ssp asa-grayi pale blue-purple 25-80cm 32
1441	cardwellii bright purple/blue-violet 10-30cm 134 154	1516	washingtonensis deep blue-purple 10-25cm 49
1442	cardwellii lavender 10-30cm 113	1517	whippleanus dark wine purple 20-60cm 119
1443	cardwellii hybrid lavender blue 10cm 175	1518	wilcoxii blue-purple 30-100cm 20
1444	cardwellii hybrids mix 77	1519	wrightii red-pink to 60cm 4
		1520	Persicaria virginiana white/pink 45-60cm 93

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- 1521 **Persicaria** virginiana 'Painter's Palette' red flr/green-white-red lvs 45-60cm 55
- 1522 **Petrocoptis** glaucifolia rose-pink to 15cm 41
- 1523 **Petrophytum** caespitosum white to 10cm 112 156
- 1524 cinerascens cream flr/greyish lvs 5-15cm 134
- 1525 **Petunia** exserta bright red 30-60cm 26 105
- 1527 **Peucedanum** verticillare yellow-green flr/purple stems & new lvs 180-200cm 177
- 1528 **Phacelia** sericea dark blue-purple flr/silvery silky lvs 10-60cm 109
- 1530 **Phalocallis** (Cypella) coelestis blue-lavender 30-90cm 53 117 172
- 1531 **Phegopteris** decursive-pinnata 30-60cm 33
- 1532 **Phemeranthus** brevifolius rose/lavender/white 6cm 100
- 1533 calcaricus rose-purple to 25cm 79
- 1534 calycinus pink/red-purple 25-40cm >
- 1535 **Phleum** sp (ex Kazakhstan) green 60cm 152
- 1538 **Phlomoides** oreophila purple 30-80cm 156
- 1540 **Phuopsis** stylosa pink 15-20cm 71 147
- 1542 **Physaria** ovalifolia yellow 5-25cm 156
- 1544 sp green lvs compact 178
- 1545 **Physostegia** virginiana 'Rose Queen' pink to 90cm 8
- 1546 **Phyteuma** scheuchzeri deep blue to 40cm >
- 1548 sp (mix of scheuchzeri, sieberi, hemisphaericum) blue 20-40cm 169
- 1549 **Phytolacca** acinosa white-yellowish greenish flr/purple black frt 50-150cm 98
- 1550 americana 'Silberstein' white flr/cream-speckled variegated lvs 1-1.8m 175
- 1551 **Pinellia** pedatisecta yellowish-green to 45cm 81
- 1552 tripartita whitish-light green 30-35cm 55 159
- 1553 **Plagiorhegma** (Jeffersonia) dubium pale lilac 10-30cm 77 107
- 1554 **Plantago** nivalis brownish flr/white woolly lvs 2-10cm 44
- 1555 **Platycodon** grandiflorus blue/purple 30-90cm 73 155 175
- 1556 grandiflorus pale pink/rose veins 20-90cm 175
- 1557 grandiflorus white semi-double 20-90cm 175
- 1558 grandiflorus (dwarf form) blue 10-30cm 156
- 1559 grandiflorus (dwarf form) rose 10-30cm 156
- 1560 grandiflorus (dwarf form) white 10-30cm 156
- 1561 grandiflorus 'Sentimental Blue' blue 15-30cm 89 95 128
- 1562 **Polanisia** (Cleome) dodecandra white 10-60cm 42
- 1563 **Polemonium** brandegeei pale yellow 10-30cm 144
- 1564 caeruleum white 45-60cm 146 175
- 1565 caeruleum ssp himalayanum blue to 1m 45
- 1566 foliosissimum light yellow 30-90cm 79
- 1567 pauciflorum clear pale yellow 25
- 1568 pauciflorum soft yellow/red tinge 15-30cm 175
- 1569 **Poliothyrsis** sinensis yellowish-white 7-15m 173
- 1570 **Pollia** japonica white flr/dark blue frt 30-90m 55
- 1573 **Polystichum** acrostichoides 30-80cm 14
- 1574 polyblepharum 45-90cm 33
- 1575 **Pontechium** (Echium) maculatum crimson red 40-70cm 54 124
- 1576 **Potentilla** erecta yellow 10-30cm 98
- 1577 megalantha yellow 10-20cm 79 131
- 1578 porphyrantha pink flr/silver lvs 5-15m 5
- 1579 pyrenaica yellow 20-40cm 40
- 1580 thurberi 'Monarch's Velvet' deep red/black center 30-60cm 147
- 1582 **Primula** alpicola mix 15-60cm 37
- 1583 auricula mix to 20cm 19
- 1584 auricula violet flr/silver farina lvs 118
- 1585 auricula yellow to 20cm 169
- 1587 beesiana (syn burmanica) rose flr/efarinose lvs 20-50cm 65
- 1588 bulleesiana (x) mix 45-60cm 37 136 175
- 1589 bulleyana deep orange 20-70cm 37
- 1590 candelabra hybrids mixed 50-75cm 175
- 1591 capitata purple-blue 10-45cm 37 77
- 1592 capitata (ex CC3843) rich purple 10-45cm 37
- 1593 florindae mix 30-120cm 37
- 1594 florindae orange 30-120cm 140
- 1595 florindae red 30-120cm 37
- 1596 florindae yellow 30-120cm 37 154
- 1597 halleri lilac-violet 8-30cm 19
- 1598 incana lavender 2-46cm 19
- 1599 japonica bright pink-purple 45-60cm 155
- 1600 **Primula** japonica cerise 45-60cm 128
- 1601 japonica dark rose-pink 45-60cm 101
- 1602 japonica magenta 45-60cm 43
- 1604 japonica pink 45-60cm 77
- 1605 japonica pink/yellow 45-60cm 154
- 1606 japonica red 45-60cm 33
- 1607 japonica white 45-60cm 31
- 1608 japonica 'Apple Blossom' pale pink to 60cm 37
- 1609 japonica hybrids crimson 75cm 175
- 1610 laurentiana lavender-pink 10-48cm 45
- 1611 matthioli deep pink-rose 20-25cm 92 19
- 1612 matthioli purple-violet 20-25cm 142
- 1613 matthioli white 20-25cm 43
- 1614 parryi magenta-pink 15-50cm 154
- 1615 pulverulenta rose-purple 25-100cm 37 64
- 1616 scotica violet/red-purple to 10cm 37 58
- 1617 secundiflora rose-purple/deep rose 10-60cm 37
- 1618 sieboldii mix 12-25cm 5 60 102
- 1619 sieboldii pink shades 12-25cm 113
- 1620 sieboldii (from Japanese Sakurasoh forms) mix 12-25cm 69
- 1623 stenocalyx bluish lavender-pink to 15cm 19
- 1624 veris mix 8-30cm 153
- 1625 veris yellow 8-30cm 113 156 160
- 1628 **Prospero** (Scilla) autumnale lilac/pink/bluish purple to 15cm 165
- 1629 **Pseudofumaria** (Corydalis) lutea yellow 40cm 151
- 1630 **Pseudolysimachion** kiusianum purple-blue 50-100cm 175
- 1631 rotundum ssp subintegrum blue-purple/white to 1m 93
- 1632 **Ptelea** trifoliata 'Variegata' cream flr/gold variegated lvs 3-5m 155
- 1634 **Pterocephalus** perennis pink-purple flr/grey-green lvs to 12cm 57 77
- 1635 pinardii pink 4cm 100 106
- 1636 **Pterostyrax** hispidus white to 15m 3
- 1637 **Ptilotrichum** spinosum white flr/grey-green lvs 15-30cm 187
- 1639 **Pulsatilla** albana mix 10-30cm 77
- 1641 alpina ssp apiifolia yellow 10-50cm >
- 1642 ambigua dark violet 16-22cm 40 124
- 1643 caucasica (hort) yellow 20cm 34
- 1644 chinensis violet 15-35cm 110
- 1645 grandis violet-purple 5-30cm 120
- 1646 grandis 'Papageno' pink fringed 15-30cm 180
- 1647 grandis 'Papageno' purple fringed 15-30cm 160
- 1648 halleri violet-lavender 5-25cm 19
- 1650 hybrids red 77
- 1651 montana dark blue-violet 10-30cm 26 77
- 1653 nuttalliana purple 10-40cm 119
- 1654 patens ssp patens blue-violet/lilac to 40cm 97
- 1656 rubra dark red 25cm 57
- 1659 vulgaris bright pink 15-40cm 118
- 1661 vulgaris maroon 15-40cm 180
- 1662 vulgaris mix 15-40cm 69 156
- 1663 vulgaris pale pink 15-40cm 144
- 1664 vulgaris purple 15-40cm 169
- 1665 vulgaris red 15-40cm 118
- 1666 vulgaris white 15-40cm >
- 1667 vulgaris 'Elegans' burgundy-red 20cm 32
- 1669 **Pycnosorus** globosus yellow flr/grey woolly lvs to 120cm 7
- 1670 **Pyrocoma** crocea bright yellow 18-80cm 154 156
- 1671 **Raffenaldia** primuloides yellow/lilac/white 15cm 77
- 1672 **Ramonda** myconi deep violet 6-12cm 122
- 1673 myconi 'Alborosea' white/pink 8cm 97
- 1674 **Ranunculus** gramineus yellow 30-45cm 40 112 142
- 1675 platanifolius white 30-100cm 142
- 1676 **Raoulia** glabra cream/white 2.5cm 126
- 1677 **Rhaponticum** (Leuzea) coniferum pink-purple flr/white-felted lvs 15-30cm 34 78 130
- 1678 **Rheum** moorcroftianum (ex CC6342) red spike 30cm 19
- 1679 palmatum pink-red to 250cm 43
- 1680 **Rhexia** virginica rose-lavender 20-60cm 82
- 1681 **Rhododendron** atlanticum white/flush pink-rose .5-1m 64
- 1682 kiusianum rose-purple 45-60cm 169
- 1684 **Rhus** glabra yellowish-green flr/red frt 3-5m 164
- 1685 potaninii creamy white flr/red frt to 12m 185

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- 1686 **Rohdea** japonica (moist packed) pale yellow flr/red frt 30-50cm 166
1688 **Romulea** bulbocodium blue-violet 10-15cm 74
1689 **Rosa** carolina pink 30-130cm 166
1690 glauca pink flr/glaucous-purple lvs 1.5-3m 155
1692 **Rosularia** sedoides white 5-10cm 156
1693 **Rudbeckia** fulgida v sullivantii 'Goldsturm' yellow 60-90cm 155
1694 laciniata yellow to 3m 38
1695 maxima yellow to 2.5m 149
1696 occidentalis purple-brown cone center to 2m 154
1697 triloba yellow-orange to 1.5m 155
1698 triloba 'Prairie Glow' red-orange/yellow 90-120cm 146
1699 **Ruellia** 'Black Beauty' pale lilac flr/black lvs to 25cm 170
1700 humilis lavender-lilac 30-60cm 82 155
1701 **Rumex** sanguineus green-red brown flr/red-purple veined lvs 30-70cm 148
1702 **Salpingostylis** (Calydorea) coelestina blue-violet 15-30cm 53
1703 **Salvia** absconditiflora white-pink 30-60cm 32 119
1704 apiana white-pale lavender flr/silver-white lvs to 1.5m 92
1705 argentea white flr/silver-grey woolly lvs 30-60cm >
1706 atropatana white/yellow 25-70cm 157
1708 brandegeei pale blue-lavender 100-150cm 126
1710 canariensis purple-violet flr/grey felt lvs to 2m 126 133
1711 canescens v daghestanica purple flr/silver-white woolly lvs 10-30cm 156
1712 chrysophylla lilac/yellow lip 20-60cm 156 185
1713 coccinea scarlet/orange-red to 1m 163
1714 coccinea 'Lady in Red' red 50-60cm 155
1715 columbariae blue 10-50cm 133
1716 cyanescens violet-blue flr/velvety grey-green lvs 30-90cm 156
1717 darcy coral-red to 1m 156
1718 dorrii blue-purple flr/grey-green lvs 30-90cm 112
1719 flava yellow/purple-brown lip 20-50cm 157
1720 fruticosa (ex Crete) 157
1721 glutinosa pale yellow/maroon speckled 40-60cm 141
1723 jurisicii violet-lavender to 30cm 32 144 156
1724 lanceolata dusky rose-brown flr/grey lvs 90-200cm 157
1725 microphylla 'Royal Bumble' scarlet-red flr/purple-black stems 60-120cm 76
1727 pentstemonoides (ex Native American Seed) cherry-red 90-150cm 170
1728 phlomoides violet-white flr/white woolly lvs to 45cm 157
1729 pisidica violet blue 15-35cm 156
1730 pratensis (PI) bluish-violet 1-1.5m 157
1731 recognita pale pink flr/grey hairy lvs 60-90cm 156
1732 reflexa (PI) pale-dark blue 10-70cm 157
1733 ringens violet-blue to 60cm 157
1734 scabiosifolia pale violet flr/grey green lvs to 50cm 157
1735 sclarea pale mauve-lilac/white-pink 90-120cm 156
1736 sclarea v turkestanica (hort) white/pink tinged to 1m 181
1737 'Shangri-la' (moorcroftiana x indica) lavender-blue flr/blue-grey lvs 60-90cm 156
1738 sp silver lvs 15cm 118
1740 staminea off-white/cream to 75cm 156
1741 taraxacifolia pink-cream 15-20cm 4
1742 tiliifolia white-blue/lilac to 1m 157
1743 tomentosa lilac-purple/white to 100cm 157
1744 transsylvanica lavender blue 60-90cm 156
1745 verticillata lavender to 90cm 157
1746 viridis cream/purple-rose bracts 30-60cm 157
1747 viscosa burgundy red 1m 157
1749 **Sanguinaria** canadensis (moist packed) white to 40cm 12 169
1750 **Sanguisorba** minor greenish-reddish purple 40-75cm 156
1751 officinalis 'Little Angel' red-purple flr/variegated lvs 10-18cm 106
1752 **Saponaria** caespitosa purplish-pink 5-15cm >
1753 cypria pink to 15cm 4
1754 pumilio pink-purple 1-5cm 57 144
1755 **Sarracenia** flava yellowish-green pitcher/yellow flr 25-90cm 168
1756 moorei (x) 'Leah Wilkerson' green-white w/red veins pitcher/orange flr to 100cm 168
1757 rubra green-maroon pitcher/maroon-red flr 12-75cm 168
1758 **Saruma** henryi soft yellow 45-60cm 31 48
1759 **Saruma** henryi (moist packed) soft yellow 40-60cm 169
1760 **Satureja** subspicata purple-violet 15cm 100
1761 **Sauromatum** venosum purplish brown-yellowish mottled spathe 20-100cm 165 166
1762 **Saxifraga** apiculata (x) 'Pungens' pale yellow 10-15cm 85
1763 arendsii (x) white 10-20cm 15
1764 bronchialis yellowish white 5-20cm 43
1766 cernua white flr/red bulbils 10-20cm 44
1767 cochlearis 'Minor' white 10-20cm 77
1768 hostii white 20-60cm 156
1769 hostii ssp hostii creamy-white to 30cm 19
1770 longifolia white 10-70cm 20
1771 'Millstream' pink-red to 20cm 156
1772 oppositifolia pink-purple 2cm 118
1773 oppositifolia 'Wetterhorn' deep pink 5cm 41
1774 paniculata red to 30cm 85
1775 paniculata white-cream to 30cm 40 85 156
1776 paniculata (compact form) white 3-20cm 64
1778 Porophyllum hybrids mix 77
1781 stribrnyi purplish-pink flr/reddish stems 6-10cm 77
1782 tricuspidata white-cream 4-10cm 44
1783 **Scabiosa** africana mauve 30-100cm 126
1784 graminifolia lilac-pink 20-30cm 156
1785 japonica 'Ritz Blue' blue-lilac 10-20cm 8
1786 japonica v alpina lavender-blue 20cm 105 184
1787 ochroleuca cream-yellow 60-90cm 9
1788 ochroleuca (dwarf form) pale yellow 20-30cm 36
1789 **Schisandra** chinensis white flr/red frt to 8m 22 145 3
1790 **Schivereckia** podolica white to 25cm 144
1791 **Scilla** amoena blue 10-30cm 97
1792 litardierei blue-violet 15-20cm 74
1793 mischtschenkoana white/blue mid-vein 10-15cm 169
1794 peruviana violet-blue 15-40cm 74
1795 sardensis rich blue 7-20cm 175
1796 verna violet-blue 5-15cm 72
1798 **Scopolia** carniolica f hladnikiana greenish yellow to 60cm 97
1799 **Scrophularia** californica maroon-brown 80-120cm 134
1800 **Scutellaria** alpina blue-violet/purple-white 10-30cm 45 169
1801 alpina cream/pale magenta 10cm 175
1802 alpina 'Arcobaleno' yellow/blue/violet/pink mix 20-25cm 8
1803 antirrhinoides deep violet-blue 10-35cm 100
1804 baicalensis red-purple/blue-purple 30cm >
1805 columnae pale lavender-deep violet 40-100cm 93
1806 diffusa blue 25cm 175
1807 incana blue-purple 60-90cm 9 93
1809 ovata blue-purple 40-60cm 103
1810 parvula v leonardii blue-violet 7-20cm 7
1811 pontica reddish-purple/magenta to 15cm 142
1812 resinosa deep violet-blue flr/grey-green lvs 10-20cm 100 112 156
1813 salviifolia yellow flr/grey lvs 5-15cm 100
1814 sapphirina blue 5cm 52
1816 suffrutescens 'Texas Rose' rose-red 10-15cm 175
1817 **Sedum** acre yellow 5-12cm 156
1818 cepaea pink/white 10-30cm 150 156
1819 divergens yellow 6-10cm 134
1820 glaucophyllum white 4-18cm 150
1821 kamtschaticum 'Variegatum' yellow flr/creamy margin lvs to 15cm 156
1822 litorale yellow to 30cm 156
1823 nevii white 6-9cm 156
1824 populifolium white-pale pink tinged 15-45cm 93
1825 pulchellum white-purple 6-23cm 156
1826 rupestre 'Angelina' yellow flr/golden lvs 10-15cm 156
1827 tatarinowii white-pinkish 8-15cm 156
1828 **Sempervivum** arachnoideum bright rose-red to 8cm 156
1829 calcareum pink flr/blue-green red tipped lvs 5-20cm 156
1830 'Desert Bloom' pink flr/grey green-rosy lvs 7.5cm 147
1831 heuffelii pale yellow 7-20cm 156
1832 heuffelii (mixed cultivars) mix 95
1833 hybrids/cultivars mixed 68 169
1834 montanum (cf) 156

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- 1835 **Senecio** macrocephalus pink-purple to 40cm 40 156 177
1836 oxyriifolius pale-golden yellow 40-110cm 126
1837 polyodon purple 45-60cm 167
1838 **Sequoia** sempervirens to 110m 11
1839 **Serratula** coronata purple 60-150cm 92
1840 tinctoria pink-purple 60-100cm 101
1841 **Seseli** gummiferum white-pink tinged flr/grey lvs to 90cm 129
1843 **Sidalcea** 'Party Girl' pink-magenta 45-90cm 5
1844 **Silene** acaulis pink 3-6cm 32
1845 acaulis 'Blush' pale pink 8cm 41
1846 alpestris white 12-20cm 46 64
1847 armeria pink 20-40cm 151 173
1848 caroliniana ssp wherryi bright pink 8-20cm 30
1849 chalcedonica maroon 40-50cm 146
1850 chalcedonica scarlet 35-100cm 26 129
1851 chalcedonica white 50-100cm 101
1852 chalcedonica 'Carnea' salmon-pink to 1m 175
1853 chalcedonica 'Pinkie' pink-peach 60-75cm 151
1854 ciliata white/pink to 30cm 32
1855 coronaria magenta-pink flr/grey felted lvs 40-100cm 118 156
1856 coronaria pink/white mix 60cm 158
1858 dioica bright pink 30-60cm 36 122
1859 flos-jovis pink 30-45cm 97 64 175
1860 fruticosa pink/red to 50cm 126
1861 hookeri (aff) red/white 5cm 69
1862 keiskei white 5-20cm 49
1863 keiskei v akaisialpina rose pink 5-10cm 41
1864 ovata white 30-150cm 170
1866 regia red 50-160cm >
1867 saxifraga white 10-20cm 15 184
1868 saxifraga white/pink 10-20cm 119 150
1870 stellata white 30-80cm 75
1871 suecica bright pink 5-35cm 144 147
1872 uniflora white flr/blue-green lvs to 15cm 144
1873 uniflora 'Compacta' white-light pink flr/grey-green lvs 5-10cm >
1875 viscaria rose pink/purple 30-60cm 49 122
1876 zawadzki white 15-30cm 119 142
1877 **Silphium** laciniatum yellow 1-3m 27 156
1878 perfoliatum yellow 75-300cm 90
1879 **Sinojackia** rehderiana white to 5m 135
1880 xylocarpa white to 7m 3
1882 **Sinopodophyllum** hexandrum pale pink flr/mottled lvs 15-60cm 129
1883 hexandrum pink 15-60cm 94 101 64
1885 **Sisyrinchium** angustifolium blue to 45cm 160
1886 bellum light blue-dark violet to 38cm 15
1888 idahoense bluish-violet to 45cm 112
1889 macrocarpum yellow/brown ring to 20cm 144
1890 patagonicum yellow/brown throat 10-30cm 64
1891 **Smyrniun** perfoliatum yellow to 90cm 149
1893 **Soldanella** hungarica lilac-violet 10-15cm 43
1894 montana blue-lilac to 15cm 19
1895 **Solidago** caesia yellow 35-80cm 3
1896 leiocarpa yellow 5-35cm 89
1897 multiradiata (dwarf form) yellow 8cm 112
1898 odora yellow 60-120m 93
1899 ptarmicoides white 10-40cm 31 75
1900 scandens v incisus yellow 2-5m 141
1903 **Sparaxis** metelerkampiae violet 15-30cm 29
1904 **Spartium** junceum pale yellow to 3m 156
1905 **Spigelia** marilandica red/yellow tip 30-60cm >
1906 **Spiloxene** canaliculata orange-yellow 10-35cm 34
1908 **Spiraea** salicifolia pink 1-2m 181
1909 **Sporobolus** heterolepis 30-70cm 117
1910 **Stachys** albotomentosa salmon flr/white felted lvs 30-45cm 76
1911 macrantha purple 45cm 113
1912 officinalis 'Nana' pink 15cm 163
1913 officinalis 'Nana' purple 15cm 151
1914 spathulata rose-purple 7-25cm >
1915 **Stanleya** pinnata yellow 30-120cm 129
1916 **Stewartia** pseudocamellia white 10-15m 5
1917 rostrata (moist packed) white to 10m 62
1918 **Stewartia** rostrata 'Pink Satin' shell pink to 4m 33 113
1919 **Stokesia** laevis blue-purple/lilac 20-50cm 5
1920 laevis mix 20-50cm 165
1921 **Stylophorum** diphyllum yellow to 50cm 129
1922 diphyllum (moist packed) yellow to 50cm 79
1923 lasiocarpum yellow 30-50cm 181
1924 **Styrax** americanus white to 5m 87
1925 japonicus white 4-8m 3
1926 japonicus 'Fargesii' white to 10m 33
1927 **Sutherlandia** frutescens red-orange flr/grey-green lvs 50-100cm 76
1929 **Symphotrichum** (Aster) oblongifolium rose/lavender/deep purple 10-80cm 5
1930 prenanthoides blue-mauve 60-90cm 93
1931 **Symplocos** paniculata white flr/sapphire-blue frt 1-10m 135
1932 **Syneilesis** aconitifolia pink-white 70-120cm 101 178 184
1933 **Synthyris** missurica violet-blue 10-60cm 60
1934 **Talinum** 'Kingwood Gold' pink flr/chartreuse lvs 45-60cm 173
1935 **Tanacetum** albipannosum white flr/silver lvs 35cm 156
1936 armenum white to 10cm 156
1937 parthenium 'Aureum' white flr/chartreuse lvs to 30cm 39
1938 parthenium 'Snowball' double white to 30cm 8
1939 **Taraxacum** albidum white to 40cm 124
1940 atrans white/blush 2-8cm 100
1941 faeroense yellow flr/red-black lvs to 15cm 22 43
1943 pseudoroseum pink/yellow center 10-20cm 177
1944 **Tecophilaea** cyanocrocus mixed forms to 10cm 34
1945 violiflora blue/lilac/purple/white 15-30cm 34
1946 **Telekia** speciosa yellow 120-180cm 149
1948 **Tellima** grandiflora greenish white-pinkish red 40-90cm 31
1949 grandiflora Odorata Group cream-green flr/fragrant 45-60cm 134
1950 **Tetraneuris** acaulis yellow 2-30cm 112
1951 herbacea yellow 6-35cm 156
1952 scaposa yellow 14-40cm 52 78
1953 sp (ex New Mexico) 156
1954 **Teucrium** botrys pink-purple 10-30cm 156
1955 hircanicum deep purple-reddish 45-60cm 4 143 175
1956 orientale lilac-blue 20-50cm 32 45 100
1958 scorodonia pale green/yellowish 30-60cm 93
1960 **Thalictrum** aquilegifolium lilac-purple to 90cm 155
1961 aquilegifolium white/pink/lavender mix 1-1.5m 175
1962 baicalense greenish white 40-80cm 169
1963 coriaceum white-purplish 65-150cm 138
1964 pubescens white-purplish 50-300cm 47
1965 rochebruneum lavender-purple 120-180cm 40 155 175
1966 speciosissimum yellow flr/blue-grey lvs 90-150cm 101
1969 **Thermopsis** lupinoides yellow 50-80cm 78 129
1970 villosa yellow 90-150cm >
1972 **Thlaspi** minimum white 5-10cm 112 150
1973 praecox white 10-20cm 124
1974 zaffranii white-pale pink flr/grey-green lvs 3-5cm 109
1975 **Tiarella** cordifolia white 15-40cm 5
1977 pavonia mix 25-75cm 175
1978 pavonia red-orange 50-100cm 114
1979 vanhouttei cream/purple-brown veins to 70cm 114
1980 **Townsendia** hookeri white 1-3cm >
1981 incana white 2-12cm 164
1982 'Jeannie's Purple' lavender-purple 2.5cm 112 130
1985 parryi blue-purplish 5-12cm 68 130
1986 parryi mauve 5-12cm 34
1987 rothrockii blue-purplish 1-3cm >
1989 scapigera white 3-5cm 164
1990 sp pink 118
1991 sp white 118
1992 spathulata white-pinkish 1-2cm 112 154
1993 **Toxicoscordion** (Zigadenus) venenosum cream 20-70cm 38
1994 **Tragopogon** capitatus yellow 40-100cm 152
1995 **Trichophorum** alpinum white 10-40cm 66
1996 **Trichostema** dichotomum blue 15-70cm 168
1997 **Tricyrtis** ex 'Angel's Halo' white/lilac spots to 1m 5
1998 formosana 'Autumn Glow' white/purple spotted flr/yellow variegated lvs 25-80cm 136

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- 1999 **Tricyrtis** latifolia yellow/reddish spots 40-100cm >
2000 macropoda white/purple spots 60-75cm 172
2001 macropoda 'Yungi Temple Form' white/purple spots to 150cm 115
2002 puberula yellowish-green/purplish-brown spots to 70cm 66
2003 **Trifolium** badium yellow-brown 10-25cm 39
2004 rubens rosy-red 40-60cm 92
2005 trichocephalum cream 30-70cm 119
2006 **Trillium** chloropetalum mix flr/mottled lvs 20-65cm 161
2008 cuneatum (moist packed) maroon to 45cm 169
2009 erectum (moist packed) mix 15-60cm 25
2011 flexipes (moist packed) pink ovaries 25
2012 flexipes hybrid (moist packed) red flr/white ovary 20-50cm 169
2013 flexipes hybrid (moist packed) reddish-brown over cream/white ovary to 50cm 169
2017 parviflorum white 17-30cm 161
2018 parviflorum x kurabayashii white 17-30cm 161
2019 recurvatum (moist packed) dark maroon purple-yellow 15-48cm 169
2020 sp (sessile type) (moist packed) dark maroon 20cm 124
2022 **Tripura** divaricata blue to 80cm 155
2023 **Tripsacum** dactyloides 60-90cm 7
2024 **Triteleia** ixioides pale-bright yellow to 50cm 64
2025 laxa pale blue/deep purple 10-70cm 17
2026 **Tritonia** disticha pink 50cm 64
2027 **Trollius** chinensis orange 20-80cm 158
2028 chinensis 'Golden Queen' orange-yellow 60-90cm 154
2029 cultorum (x) 'Lemon Queen' yellow 30-60cm 103
2030 hondoensis yellow-orange 40-60cm 73 64
2031 pumilus yellow 5-25cm 19
2034 **Tulipa** biflora white w/yellow base/purplish-green reverse 10-15cm 57
2035 celsiana yellow/red-tinged reverse 10-15cm 169
2036 clusiana 'Lady Jane' white/rose-red reverse 20-30cm 16 139
2037 clusiana v chrysantha yellow/red reverse 13-30cm 72
2039 saxatilis ssp bakeri 'Lilac Wonder' pinkish lilac 7.5-20cm 30
2040 sprengeri bright red/scarlet 20-40cm >
2041 sprengeri 'Trotters Form' red to 50cm 37
2042 sylvestris yellow to 45cm 82 124 144
2044 tarda yellow/white tips 5-20cm 49 118 169
2046 **Urospermum** dalechampii yellow 25-40cm 170
2047 **Uvularia** grandiflora (moist packed) yellow 20-75cm 169
2048 **Veltheimia** bracteata pale-deep pink/greenish yellow 20-40cm 20
2049 bracteata salmon 20-40cm 13
2050 **Veratrum** californicum creamy white 1-2.5m 134
2053 **Verbascum** alpinum pale yellow 50-120cm 39
2054 bombyciferum yellow flr/grey-white felted lvs 150-180cm 129 156
2055 bombyciferum 'Arctic Snow' yellow flr/white woolly lvs to 1.5m 86
2056 chaixii ssp austriacum yellow 60-130cm 39
2057 longifolium yellow flr/grey woolly lvs 50-150cm 39
2058 lychnitis white-yellow flr/white woolly under lvs-stems to 150cm 156
2059 phoeniceum purple 30-100cm 144
2060 roripifolium yellow to 1.2m 156
2061 **Verbena** bonariensis (PI) lavender-rose purple to 180cm 31 129
2062 hastata blue-violet 35-150cm 92
2063 hastata 'Rosea' pale pink 60-150cm 9
2065 **Verbesina** alternifolia yellow 1-2m 87
2066 **Vernonia** fasciculata purple 30-120cm 87
2067 larseniae purple flr/silver woolly lvs 70-100cm 156
2068 noveboracensis purple 80-120cm 148
2069 **Veronica** bachofenii blue 20-30cm 93
2070 fruticans dark blue 5-10cm 15 27 32
2071 gentianoides pale blue 30-40cm 175
2072 'Giles van Hees' reddish-pink 7-15cm 147
2073 porphyriana blue-purple 20-30cm 156
2074 prostrata blue 10-20cm 56
2075 **Veronicastrum** virginicum blue/white 80-200cm 2
2076 virginicum pale blue 80-200cm 148
2077 virginicum white 80-200cm 155
2078 **Viburnum** nudum 'Brandywine' white flr/pink-blue frt to 180m 155
2079 **Viola** altaica blue-purple 4-15cm 110
2082 cornuta violet-blue 20-30cm 64
2083 cornuta white 20-30cm 64
2086 rupestris purple 5-10cm 93
2087 **Woodsia** ilvensis 4.5-25cm 44
2088 **Wulfenia** carinthiaca deep violet-blue 20-30cm 128 175
2090 **Xanthisma** (Aster) coloradoense pink 2.5-14cm 118
2091 coloradoense pink-purple 2.5-14cm 100 154
2092 coloradoense (alpine form) deep pink 2.5cm 20
2093 coloradoense (alpine form) pink-purple 10cm 32
2094 **Xerophyllum** asphodeloides creamy white 80-100cm 137
2095 **Yucca** baccata (ex Mt Charleston, Nevada) cream/red on stem 90cm 86
2097 **Zephyranthes** 'Capricorn' pink/orange 30cm 81
2098 drummondii white 16-45cm 4 10
2099 fosteri (cf) pink 25cm 173
2100 katherinae red 20cm 107
2102 morrisclintii rose pink 25cm 10
2103 primulina yellow 15cm 10 107 167
2104 reginae yellow 15-30cm 10
2105 rosea rose 15cm 10
2106 'Sunset Strain' orangey-pink 25cm 167
2107 **Zinnia** grandiflora yellow 8-22cm 144 156
2108 **Zizia** aptera yellow 30-90cm 6
2109 aurea yellow 40-75cm >
2111 **Aquilegia** flabellata Cameo Series red/white 25cm 188
- WILD COLLECTED:**
3001 **Aconitum** columbianum ssp columbianum dark blue-purple 1-1.5m
WA: Wenatchee Mtns, Kittitas Co 1733m 175
3002 **Actaea** rubra white 90cm OR: Wrangle Gap 1890m 127
3003 rubra (moist packed) white flr/red frt 61cm MA: Egremont 54
3004 **Agalinis** tenuifolia purple 20-80cm VA: Scott Co 176
3005 **Agastache** urticifolia purple 75cm OR: Mt Ashland 2073m 127
3006 urticifolia white 70cm UT: Cache Co 2743m 164
3008 **Agoseris** elata yellow 25cm OR: Black Butte 1036m 127
3009 **Allium** acuminatum hot pink, some white 20cm CO: Mesa Co 78
3010 acuminatum purple-pink 20cm OR: W of Shaniko 64
3011 amplectens white/lilac centers 15-25cm CA: Inner North Coast Ranges, Lake Co 695m 175
3014 cernuum pink 30cm Canada: Vancouver Island, BC 187
3015 cratericola pale pink 5cm CA: High North Coast Ranges, Mendocino Co 1827m 175
3016 falcifolium red-violet 6-8cm CA: Inner North Coast Ranges, Lake Co 614m 175
3017 textile white 15-20cm CO: Douglas Co 2250m 144
3018 tricoccum white 15cm NC: Jackson Co 53
3019 **Amorpha** californica CA: S Central San Bernardino Mtns 2230m 177
3021 **Anemone** drummondii white 40cm OR: Dutchman Peak 2073m 127
3022 occidentalis WA: Chinook Pass, Pierce Co 1660m 177
3023 occidentalis white 25cm Canada: Mt Thynne, BC 64
3024 **Angelica** arguta white 100cm OR: Mt Ashland 2073m 127
3025 **Antennaria** rosea pink 2.5cm OR: Klamath Co 71
3026 **Antirrhinum** vexillocalyculatum ssp breweri purple 75cm CA: Inner North Coast Ranges, Lake Co 488m 175
3027 **Aquilegia** canadensis red/yellow 20-45cm MA: Granby 48
3029 formosa red/yellow 30cm CA: Northern Sierra Nevada, Plumas Co 1951m 175
3030 **Aralia** californica white 1.5-2m CA: Northern Sierra Nevada, Sierra Co 907m 175
3031 **Arctostaphylos** canescens white flr/blue-grey lvs 1-2m OR: Siskiyou Mtns, Josephine Co 1435m 175
3032 glandulosa ssp adamsii CA: Laguna Mtns, San Diego Co 1850m 177
3033 patula CA: San Bernardino Mtns, Bluff Lake 2320m 177
3034 **Arisaema** triphyllum 20-30cm MA: Granby, Hampshire Co 48
3036 **Aristolochia** macrophylla brown 3m NC: Watauga Co 87
3037 **Arnica** latifolia yellow 30cm OR: Dutchman Peak 2073m 127
3038 **Asclepias** eriocarpa/californica possibly mixed CA: NW San Bernardino Mtns 1460m 177
3039 exaltata white/green 120cm NC: Watauga Co 87
3040 fascicularis CA: NW San Bernardino Mtns 550m 177
3041 **Aspidotis** densa 15cm OR: Big Red Mtn 2012m 127
3042 **Astragalus** curvicaarpus v brachycodon cream 25cm OR: Sisters 1036m 127
3043 **Athyrium** filix-femina 50-76cm NY: Central 33

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- 3045 **Balsamorhiza** careyana yellow 50cm OR: Black Butte 1036m 127
3046 *sagittata* WA: Banks Lake, Grant Co 550m 177
3047 **Botrychium** multifidum green 15-20cm CA: Northern Sierra Nevada, Plumas Co 1644m 175
3048 **Boykinia** major white 50-60cm OR: Siskiyou Mtns, Jackson Co 2096m 175
3049 *occidentalis* white 20-30cm CA: Inner North Coast Ranges, Lake Co 1167m 175
3050 **Brickellia** greenei white/discoid flr/fragrant lvs 20-30cm CA: High North Coast Ranges, Mendocino Co 1902m 175
3051 **Brodiaea** californica lavender-blue violet 50cm CA: N Sierra Nevada Foothills, Butte Co 960m 175
3054 **Calceolaria** cavanillesii Chile: Laguna del Maule 174
3055 *filicaulis* Chile: Valle Nevado 174
3057 **Calochortus** albus white 20-30cm CA: N Sierra Nevada Foothills, Butte Co 678m 175
3058 albus white/pale red 20-30cm CA: C Sierra Nevada Foothills, Mariposa Co 782m 175
3059 *amabilis* dark yellow 10-20cm CA: Inner North Coast Ranges, Lake Co 460m 175
3060 *amabilis* yellow 20cm CA: Ukiah 24
3061 *ambiguus* white 30cm AZ: Coconino Co 1
3062 *gunnisonii* purple 45cm AZ: Gila Co 1326m 1
3063 *invenustus* (cf) CA: NE San Bernardino Mtns 2240m 177
3064 *kennedyi* CA: NE San Bernardino Mtns 1860m 177
3065 *leichtlinii* white/dark purple crescent 15-20cm CA: Northern Sierra Nevada, Sierra Co 1733m 175
3066 *luteus* x *C superbus* (variable in shape) white-bright yellow/red gland 16-20cm CA: Inner N Coast Ranges, Lake Co 481m 175
3068 *macrocarpus* v *macrocarpus* lavender 20-30cm WA: E Cascade Foothills, Yakima Co 696m 175
3069 *nuttallii* white 5-10cm UT: Abajo Mtns 2400m 46
3070 *nuttallii* white/pink 30cm CO: Mesa Co 78
3071 *splendens* (cf) CA: Laguna Mtns, San Diego Co 1440m 177
3072 *splendens* (cf) dark lavender 16-20cm CA: Inner North Coast Ranges, Lake Co 614m 175
3073 *superbus* white-pale purple/yellow halo 15-20cm CA: C Sierra Nevada Foothills, Mariposa Co 854m 175
3074 **Caltha** biflora white 25cm Canada: Mt Thynne, BC 64
3076 **Calycanthus** floridus maroon 3m NC: Jackson Co 53
3077 **Calystegia** occidentalis ssp occidentalis palest yellow twining to 1-2m CA: Inner North Coast Ranges, Lake Co 1130m 175
3078 **Camassia** quamash blue 25cm Canada: Victoria, BC 187
3079 **Carex** stricta 25cm OH: Vinton Co 7
3080 **Castilleja** applegatei orange 30cm OR: Donomore 1890m 127
3081 *applegatei* orange 30cm OR: Dutchman Peak 2073m 127
3082 *arachnoidea* pale yellow/chartreuse 10cm CA: Siskiyou Mtns, Siskiyou Co 1978m 175
3083 *integra* orange 10-40cm CO: Douglas Co 1890m 144
3084 *linariifolia* orange 60cm CO: Owl Creek Pass, Ouray Co 78
3085 *peckiana* orange 30cm OR: Black Butte 1036m 127
3086 *thompsonii* yellow/purple 10-15cm WA: E Cascade Range, Yakima Co 1816m 175
3087 **Caulophyllum** thalictroides (moist packed) white flr/blue fruit 61cm MA: Egremont 54
3088 **Ceanothus** cordulatus CA: San Bernardino Mtns, Bluff Lake 2320m 177
3089 **Cercis** occidentalis bright rose-violet 3-6m CA: C Sierra Nevada Foothills, Mariposa Co 837m 175
3090 **Cercocarpus** betuloides CA: Laguna Mtns, San Diego Co 1850m 177
3091 **Chamaecrista** nictitans yellow 25cm NC: Jackson Co 53
3093 **Chimaphila** maculata CT: Southeast 178
3094 **Chlorogalum** pomeridianum v pomeridianum white 75-100cm CA: Inner North Coast Ranges, Lake Co 614m 175
3095 **Chrysolepis** sempervirens white 2-3m CA: Northern Sierra Nevada, Sierra Co 1823m 175
3096 **Clarkia** rhomboidea pink 40cm OR: Black Butte 127
3097 sp OR: Cascade Mtns 64
3099 **Clematis** lasiantha creamy-white 3-6m CA: C Sierra Nevada Foothills, Mariposa Co 609m 175
3100 *occidentalis* v *dissecta* violet-purple 75-100cm WA: Wenatchee Mtns, Kittitas Co 1794m 175
3101 **Clematis** viorna pink to 4m NC: Watauga Co 62
3102 **Clintonia** borealis 15-25cm VT: Morristown, Lamoille Co 48
3103 *borealis* greenish yellow 25cm Maine: at sea level 21
3104 *borealis* yellow 10-15cm MI: Alger Co 12
3105 *borealis* yellow 30cm NH: Hillsboro Co 137
3107 **Cornus** nuttalli CA: SW San Bernardino Mtns 1720m 177
3108 *nuttalli* white 4-6m CA: Northern Sierra Nevada, Sierra Co 1500m 175
3109 *sessilis* white 4m CA: Northern Sierra Nevada, Sierra Co 907m 175
3112 **Cucurbita** foetidissima yellow flr/blue lvs vine 30cm UT: Kane Co 80
3113 **Cypripedium** acaule pink 10-45cm Canada: Hillgrove, Nova Scotia 94
3114 **Delphinium** glaucum purple 150cm OR: Mt Ashland 2073m 127
3115 **Desmodium** ciliare blue/purple 50cm MA: West Tisbury 125
3116 **Dichelostemma** congestum blue-purple 40-50cm CA: Inner North Coast Ranges, Lake Co 506m 175
3117 *multiflorum* pale violet 30-40cm CA: N Sierra Nevada Foothills, Butte Co 678m 175
3118 *volubile* rose-pink 0.5-1m twining CA: C Sierra Nevada Foothills, Mariposa Co 831m 175
3119 **Diplacus** grandiflorus melon orange 20cm CA: N Sierra Nevada Foothills, Nevada Co 756m 175
3120 **Dodecatheon** amethystinum purple/red 30cm PA: Lancaster Co 50
3121 *hendersonii* pink 20cm Canada: Victoria, BC 187
3122 *hendersonii* violet 20cm OR: Klamath Mtns, Douglas Co 246m 175
3123 *jeffreyi* lavender-violet 20-30cm CA: High North Coast Ranges, Glenn Co 175
3124 *jeffreyi* pink 30cm OR: Cascade Mtns 64
3125 **Draperia** systyla white-pale lavender 10-20cm CA: Northern Sierra Nevada, Plumas Co 1438m 175
3126 **Dryas** octopetala ssp hookeriana white 5cm CO: Summit Co 78
3127 **Dudleya** abramsii ssp affinis CA: San Bernardino Mtns 2260m 177
3130 **Ehrendorferia** (Dicentra) chrysantha dark yellow 1m CA: C Sierra Nevada Foothills, Mariposa Co 856m 175
3131 **Elymus** hystrix MI: Kent Co 141
3132 **Emmenanthe** penduliflora v penduliflora pale yellow flr/fragrant lvs 30cm CA: Inner North Coast Ranges, Lake Co 614m 175
3133 **Epilobium** canum ssp canum CA: San Jacinto Mtns, Riverside Co 1845m 177
3134 *canum* ssp *latifolium* CA: SW San Bernardino Mtns 1725m 177
3135 *canum* ssp *latifolium* red 20cm CA: Northern Sierra Nevada, Sierra Co 1392m 175
3136 **Eremogone** (Arenaria) congesta v crassula white 10-20cm CA: High North Coast Ranges, Glenn Co 2064m 175
3139 **Ericameria** cuneata CA: Laguna Mtns, San Diego Co 1665m 177
3140 *nauseosa* yellow 30cm OR: Crane Prairie 1402m 127
3141 *nauseosa* v *nauseosa* yellow 60cm CO: Boulder Co 132
3142 **Erigeron** aurantiacus Kazakhstan: Trans-Ili Ala-Tau 174
3143 *compositus* white 6cm CO: 2134m 52
3144 **Eriogonum** compositum yellow OR: Klamath Co 71
3145 *diclinum* bright yellow flr/silver-blue lvs 2-4cm CA: Siskiyou Mtns, Siskiyou Co 2110m 175
3146 *umbellatum* v *modocense* lemon yellow/orange-red tints 10-20cm CA: N Sierra Nevada, Sierra Co serpentine 1735m 175
3147 *umbellatum* v *modocense* lemon yellow/orange-red tints 20-25cm CA: Siskiyou Mtns, Siskiyou Co blue schist 1978m 175
3148 *umbellatum* v *polyanthum* (cf) yellow 20-30cm CA: N Sierra Nevada, Sierra Co serpentine 1402m 175
3149 *ursinum* v *ursinum* pale yellow 4-10cm CA: N Sierra Nevada Sierra Co volcanic tuff 1707m 175
3150 *ursinum* v *ursinum* pale yellow 4-10cm CA: N Sierra Nevada, Sierra Co serpentine 1402m 175
3151 **Eriophorum** angustifolium WA: Miner's Ridge, Pierce Co 1820m 177
3152 **Eriophyllum** confertiflorum CA: S Central San Bernardino Mtns 2345m 177
3154 **Eryngium** yuccifolium 50-60cm AR: Ozark Prairie, Boone Co 28
3155 **Erysimum** arenicola yellow 10cm Canada: Vancouver Island, BC 2000m 187
3156 **Erythronium** citrinum v citrinum creamy-white 10-15cm OR: Siskiyou Mtns, Josephine Co 2060m 175
3157 *grandiflorum* yellow 25cm Canada: Cascades, BC 64
3158 *grandiflorum* yellow 20cm OR: Dutchman Peak 2073m 127

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- 3159 **Erythronium** grandiflorum ssp grandiflorum yellow 20-30cm WA: Wenatchee Mtns, Kittitas Co 1768m 175
- 3160 montanum white 20cm OR: Mt Hood 104
- 3161 multiscapideum white 10-15cm CA: N Sierra Nevada Foothills, Butte Co 701m 175
- 3162 oregonum ssp leucandrum pale cream 10-15cm OR: Klamath Mtns, Douglas Co ultramafic substrate 175
- 3163 revolutum pink 10cm Canada: Vancouver Island, BC 187
- 3164 **Frangula** californica CA: SW San Bernardino Mtns 1865m 177
- 3165 caroliniana red frt to 11m VA: Scott Co 176
- 3166 **Fraseria** albicaulis v nitida dark blue 30cm OR: Siskiyou Mtns, Jackson Co 1492m 175
- 3167 speciosa green 1.5m UT: La Sal Mtns 78
- 3168 speciosa yellow-green/purple spots 1-1.5m CA: High North Coast Ranges, Glenn Co 1973m 175
- 3169 **Fraxinus** dipetala white 3-5m CA: C Sierra Nevada Foothills, Mariposa Co 175
- 3170 **Fritillaria** affinis brown/yellow 45cm Canada: Ruxton Island, BC 187
- 3171 affinis darker forms 15-25cm CA: Inner North Coast Ranges, Lake Co 460m 175
- 3172 affinis green-yellow/fine red-brown mottling 30-50cm CA: Inner North Coast Ranges, Lake Co 1128m 175
- 3173 affinis tan 25cm CA: Ukiah 24
- 3175 purdyi translucent white/brown striations 5-10cm CA: High North Coast Ranges, Glenn Co 2019m 175
- 3177 striata white 20cm CA: Tejon Ranch Conservancy, Kern Co 18
- 3179 **Gaillardia** pinnatifida red/yellow 45cm CO: 1890m 52
- 3180 **Genista** tinctoria (PI) Czech Republic: SE Moravia 93
- 3181 **Gentianella** amarella purple 25cm OR: Coast 64
- 3182 **Gentianopsis** barbata China: Zhongdian, NapaHai, Yunnan 174
- 3183 **Geranium** maculatum pink 38cm CT: New Hartford 163
- 3184 **Geum** peckii yellow 40cm NH: Coos Co 137
- 3185 **Gillenia** trifoliata white 60cm OH: Vinton Co 7
- 3186 **Hastingsia** alba white 40cm CA: Hornbrook 671m 127
- 3187 **Helenium** bigelovii yellow 50cm OR: Mt Ashland 2073m 127
- 3188 **Helianthus** mollis yellow 70-80cm AR: Ozark Prairie, Boone Co 28
- 3189 occidentalis yellow 90-100cm AR: Ozark Prairie, Boone Co 28
- 3190 **Hesperoyucca** whipplei CA: Laguna Mtns, San Diego Co 1670m 177
- 3191 whipplei CA: NW San Bernardino Mtns 1470m 177
- 3192 whipplei CA: San Jacinto Mtns, Riverside Co 1815m 177
- 3193 whipplei CA: SW San Bernardino Mtns 1430m 177
- 3194 **Heteromeles** arbutifolia CA: Laguna Mtns, San Diego Co 1420m 177
- 3195 **Heuchera** micrantha v diversifolia white 50cm/panicles 10cm WA: Cascade Range, Kittitas Co 1252m 175
- 3196 parviflora light yellow 25cm CO: Glade Park, Mesa Co 78
- 3197 villosa white 30cm NC: Watauga Co 62
- 3198 **Hosackia** (Lotus) crassifolia purple 100cm OR: Black Butte 127
- 3200 **Hypericum** hirsutum Czech Republic: SE Moravia 93
- 3201 **Ilex** mucronata (moist packed) insignificant flr/bright red frt 180cm MA: Tolland 54
- 3202 **Ionactis** (Aster) linariifolia lavender 22cm CT: Canton 163
- 3204 **Ipomopsis** aggregata ssp aggregata red 30cm WA: Wenatchee Mtns, Kittitas Co 1806m 175
- 3205 **Iris** chrysophylla pale yellow/violet veining 10-20cm OR: Klamath Mtns, Douglas Co 1083m 175
- 3206 chrysophylla white/violet 20cm OR: Donomore 1890m 127
- 3208 macrosiphon yellow/dark brown veining 10-20cm CA: Inner North Coast Ranges, Lake Co 1131m 175
- 3209 **Juniperus** californica glaucous blue berries 4-8m CA: Inner North Coast Ranges, Glenn Co 307m 175
- 3210 **Kalmia** microphylla v occidentalis rose 25-30cm OR: Cascades 64
- 3211 **Keckiella** breviflora v glabrisepala cream-pink/rose-purple lined 50-100cm CA: High North Coast Ranges, Glenn Co 1755m 175
- 3212 breviflora v glabrisepala cream-pink/rose-purple lined/glaucous lvs 1-1.5m CA: Inner N Coast Ranges, Lake Co 986m 175
- 3213 corymbosa carmine red 10-15cm CA: High N Coast Ranges, Mendocino Co 1720m 175
- 3214 corymbosa scarlet red 15-20cm CA: Inner N Coast Ranges, Lake Co 1134m 175
- 3215 ternata CA: SW San Bernardino Mtns 1150m 177
- 3216 **Leptarrhena** pyrolifolia WA: Miner's Ridge, Pierce Co 1820m 177
- 3218 **Liatris** punctata purple 45cm CO: Boulder Co 132
- 3219 **Lilium** columbianum orange 75cm Canada: Cascades, BC 64
- 3220 columbianum orange-yellow 1-1.5m WA: Cascade Range, Kittitas Co 1111m 175
- 3221 humboldtii ssp ocellatum CA: SE San Bernardino Mtns 1600m 177
- 3222 pardalinum ssp pardalinum orange/red tips 75-100cm CA: Northern Sierra Nevada, Plumas Co 1536m 175
- 3223 pardalinum ssp vollmeri orange-red 1-1.5m OR: Siskiyou Mtns, Jackson Co 1974m 175
- 3224 parryi CA: San Bernardino Mtns, Big Bear Lake 2300m 177
- 3225 parryi CA: SE San Bernardino Mtns 2125m 177
- 3226 washingtonianum ssp purpurascens white/purple throat 1.5-2m OR: Siskiyou Mtns, Josephine Co 1078m 175
- 3227 **Lobelia** siphilitica MI: Barry Co 141
- 3228 siphilitica VA: Grayson Co 79
- 3230 **Lomatium** canbyi cream 20cm OR: Dutchman Peak 2073m 127
- 3231 nudicaule Canada 161
- 3232 nudicaule yellow 40cm Canada: Victoria, BC 187
- 3233 nudicaule yellow 40cm OR: Donomore 1920m 127
- 3234 nudicaule yellow 30cm OR: E of Shaniko 64
- 3235 utriculatum yellow 10cm Canada: Victoria, BC 187
- 3236 **Lonicera** hispidula dark pink 1-2m CA: N Sierra Nevada Foothills, Nevada Co 777m 175
- 3237 **Luetkea** pectinata WA: Miner's Ridge, Pierce Co 1820m 177
- 3238 **Lupinus** albicaulis v shastensis purple 40cm OR: Diamond Lake 1046m 127
- 3239 andersonii lilac 120cm OR: Jackson Gap 2134m 127
- 3240 argenteus white/lavender 30-45cm CO: Douglas Co 1890m 144
- 3241 perennis blue 60cm MI: Kent Co 141
- 3244 **Maianthemum** (Smilacina) racemosum MI: Kent Co 141
- 3245 racemosum white 40cm Maine: Jackson 101
- 3247 **Malacothamnus** fremontii (cf) CA: NE San Bernardino Mtns 2240m 177
- 3249 **Medeola** virginiana 20-30cm MA: Chesterfield, Hampshire Co 48
- 3250 virginiana yellowish green 20-40cm Canada: Graywood, NS 94
- 3251 virginiana (moist packed) green 30cm Maine: Paris 105
- 3252 **Mentzelia** laevicaulis yellow 150cm CA: Scott Valley 914m 127
- 3253 nuda white 60-90cm CO: Douglas Co 1750m 144
- 3254 **Mikania** scandens (PI) white to 4m NC: Guilford Co 62
- 3255 **Mimulus** cardinalis red/yellow 50-60cm CA: Inner North Coast Ranges, Lake Co 488m 175
- 3256 ringens light violet 60cm CT: New Hartford 163
- 3258 **Monardella** odoratissima ssp discolor rose-violet 15-20cm WA: E Cascade Foothills, Yakima Co 800m 175
- 3259 sheltonii rose-lavender 20-30cm OR: Klamath Mtns, Josephine Co 594m 175
- 3260 **Monotropa** uniflora CT: Southeast 178
- 3261 **Nama** (Eriodictyon) lobbii red-purple 10cm CA: Northern Sierra Nevada, Plumas Co 1665m 175
- 3262 **Narthecium** californicum yellow 30cm OR: Siskiyou Mtns, Josephine Co 556m 175
- 3264 **Nothochelone** nemorosa dark red-purple 30cm WA: Cascade Range, Kittitas Co 1111m 175
- 3265 **Odontostomum** hartwegii cream 20-30cm CA: C Sierra Nevada Foothills, Mariposa Co 621m 175
- 3266 **Oenothera** pallida white 25cm WA: near Hancock Military Reserve 64
- 3267 **Opuntia** sp long white spines 40cm AZ: Page 1255m 80
- 3268 **Orthocarpus** cuspidatus pink 20cm OR: Mt Ashland 2073m 127
- 3269 cuspidatus ssp cuspidatus white/bright rose bracts 10-15cm OR: Siskiyou Mtns, Jackson Co 2069m 175
- 3270 **Osmundastrum** cinnamomeum 60-90cm NY: Central 33
- 3272 **Parnassia** palustris white 30cm OR: Dutchman Peak 2073m 127
- 3273 palustris white 10-15cm OR: Siskiyou Mtns, Jackson Co 2095m 175
- 3275 **Pedicularis** groenlandica WA: Miner's Ridge, Pierce Co 1820m 177
- 3276 groenlandica pink 60cm OR: Crane Prairie 1402m 127
- 3277 **Penstemon** azureus ssp angustissimus dk blue-purple/red-violet tube/narrow lvs 25-35cm CA: High N Coast Ranges, Mendocino Co 1889m 175
- 3278 azureus ssp azureus blue 15-20cm CA: Inner N Coast Ranges, Tehama Co serpentine substrate 934m 175
- 3279 azureus ssp azureus blue/red-violet 20-25cm CA: High N Coast Ranges, Tehama Co schist substrate 1462m 175
- 3280 caesius CA: S Central San Bernardino Mtns 2345m 177

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- 3281 **Penstemon** caesius CA: San Bernardino Mtns, Big Bear Lake 2300m 177
3282 cardwellii purple 20cm OR: Santiam Pass 1463m 127
3283 cardwellii purple 25cm WA: Mt St Helen 64
3284 centranthifolius (cf) CA: NW San Bernardino Mtns 1460m 177
3285 cinicola purple-blue 30cm OR: Crane Prairie 1402m 127
3286 deustus white 30cm CA: Hornbrook 671m 127
3287 deustus v pedicellatus white/brown penciling 25cm CA:
Northern Sierra Nevada, Plumas Co 1555m 175
3288 digitalis MI: Kent Co 141
3289 digitalis pale pink 90cm NC: Wake Co 80
3290 fruticosus pale blue 15cm WA: Central Cascade Mtns 1500m 134
3291 fruticosus purple 30cm Canada: E of Princeton, BC 64
3292 gairdneri v gairdneri rose-purple 10cm WA: E Cascade Range,
Yakima Co 1816m 175
3293 grinnellii CA: San Bernardino Mtns, Big Bear Lake 177
3294 humilis v humilis dark blue 20cm WA: E Cascade Range, Yakima
Co 1816m 175
3295 humilis v humilis purple 40cm OR: Black Butte 1036m 127
3296 labrosus CA: S Central San Bernardino Mtns 2345m 177
3297 labrosus CA: SW San Bernardino Mtns 1830m 177
3298 laetus v leptosepalus dark blue 20cm CA: Cascade Range,
Tehama Co 1192m 175
3299 neotericus lavender blue-violet CA: Northern Sierra Nevada,
Plumas Co 1665m 175
3300 newberryi ssp newberryi bright rose-red 10-15cm CA: Northern
Sierra Nevada, Plumas Co 1814m 175
3301 palmeri pink 120cm UT: Beaver Dam Mtns 1067m 86
3302 parvulus dark purple-blue 10-20cm OR: Siskiyou Mtns, Jackson Co 175
3303 platyphyllus lavender 20cm UT: Davis Co 1707m 164
3304 procerus v brachyanthus purple 30cm OR: Santiam Pass 1463m 127
3305 pruinosis dark blue 10-15cm WA: Wenatchee Mtns, Kittitas Co
1808m 175
3306 richardsonii v richardsonii rose-red 15cm WA: E Cascade
Foothills, Yakima Co 696m 175
3307 roezlii blue-purple 15-20cm CA: Northern Sierra Nevada, Plumas
Co 1877m 175
3308 rostriflorus CA: NE San Bernardino Mtns 2240m 177
3309 rostriflorus (cf) (P. labrosus?) CA: SW San Bernardino Mtns
1865m 177
3310 rupicola x fruticosus lavender-blue to rose-red 5-15cm WA:
Cascade Range, Kittitas Co 175
3311 rydbergii v oreocharis dark blue 15-25cm CA: High North Coast
Ranges, Glenn Co 175
3312 serrulatus purple 20cm WA: Cascade Range, Kittitas Co 1361m 175
3313 speciosus bright blue 40-50cm WA: E Cascade Foothills, Yakima
Co 696m 175
3314 virens blue 25cm CO: 2073m 52
3315 virens blue 20cm CO: Geneva Peak, Park Co 3025m 144
3316 **Peucedanum** cervaria Czech Republic: SE Moravia 93
3317 **Phacelia** procera white 70cm OR: Jackson Gap 2134m 127
3318 sericea blue Canada: Vancouver Island, BC 2000m 187
3319 **Phoenicaulis** cheiranthoides violet 5-10cm CA: High North Coast
Ranges, Mendocino Co 1707m 175
3320 **Phyllodoce** caerulea pink 20cm NH: Coos Co 137
3321 empetrifloris pink 20cm Canada: Coast Mtns, BC 64
3322 **Physostegia** virginiana ssp praemorsa pink to 150cm VA: Scott Co 176
3323 **Pityopsis** falcata yellow 30cm MA: West Tisbury 125
3324 **Polemonium** californicum blue 15cm WA: Wenatchee Mtns, Kittitas
Co 1784m 175
3325 occidentale blue 30-50cm WA: Wenatchee Mtns, Kittitas Co 1733m 175
3326 **Polygonatum** biflorum MI: Kent Co 141
3327 biflorum (tetraploid form) 100-120cm MA: Northampton 48
3328 pubescens 20-30cm MA: Granby, Hampshire Co 48
3329 **Polystichum** acrostichoides 30-60cm NY: Central 33
3330 lemmonii 40cm OR: Big Red Mtn 2012m 127
3331 **Primula** chionantha China: Daxue Shan, Yunnan 174
3333 **Pyrrocoma** racemosa yellow 25cm CA: Scott Mtns 2134m 127
3342 **Rhododendron** macrophyllum pink 2m WA: Whidbey Island 60m 134
3344 **Rudbeckia** californica black 100cm OR: Wrangle Gap 1890m 127
3346 **Salvia** apiana CA: Laguna Mtns, San Diego Co 1550m 177
3348 pratensis (PI) Czech Republic: SE Moravia 93
3349 **Salvia** viridis colored bracts Turkey: Antalya 157
3350 **Sambucus** cerulea white 8m NC: Okanoga Co 87
3351 **Sarracenia** flava yellow 40-60cm Florida: Slope bog, Santa Rosa Co 28
3354 purpurea red 20-40cm Canada: Hillgrove, Nova Scotia 94
3356 **Scorzoneroides** autumnalis (PI) Czech Republic: SE Moravia 93
3357 **Scutellaria** incana purple 65cm OH: Franklin Co 7
3358 **Sedum** lanceolatum yellow to 15cm CO: Pitkin Co 2600m 144
3359 niveum CA: S Central San Bernardino Mtns 2345m 177
3360 obtusatum ssp retusum yellow/orange 10cm OR: Siskiyou Mtns,
Jackson Co 2149m 175
3361 **Silene** bernardina white 30cm OR: Jackson Gap 2134m 127
3363 parishii CA: S Central San Bernardino Mtns 2345m 177
3364 **Solidago** nemoralis yellow 10-130cm VA: Scott Co 176
3367 **Stanleya** pinnata UT: Wayne Co 112
3369 **Streptopus** lanceolatus 20-30cm VT: Fayston, Washington Co 48
3370 lanceolatus 20-30cm VT: Morrystown, Lamoille Co 48
3371 **Styrax** americanus white 2m NC: Randolph Co 81
3372 redivivus white 1-2m CA: Inner N Coast Ranges, Tehama Co
serpentine 175
3373 **Symphotrichum** (Aster) puniceum white 1.5m MI: Kent Co 141
3375 **Tetradymia** canescens CA: San Bernardino Mtns, Big Bear Lake
2360m 177
3376 **Tetraneuris** acaulis yellow 20cm CO: 1829m 52
3377 **Teucrium** chamaedrys Czech Republic: SE Moravia 93
3378 **Thalictrum** fendleri white CO: Leadville 3353m 154
3379 **Thaspium** trifoliatum v aureum yellow 50cm NC: Watauga Co 62
3380 **Toxicoscordion** fremontii (cf) white 20-30cm CA: Inner North Coast
Ranges, Lake Co 506m 175
3381 paniculatum white 40cm OR: Sisters 1036m 127
3382 **Triantha** glutinosa white 40cm OR: Crane Prairie 1402m 127
3383 occidentalis ssp occidentalis white 20-30cm CA: Northern Sierra
Nevada, Plumas Co 1644m 175
3385 **Trillium** erectum (moist packed) 20cm VT: Fayston, Washington Co 48
3387 **Triteleia** bridgesii lavender-violet 20-30cm CA: C Sierra Nevada
Foothills, Mariposa Co 175
3388 bridgesii red-violet 20-30cm CA: N Sierra Nevada Foothills, Butte
Co 960m 175
3389 hyacinthina bluish white 15-20cm CA: Cascade Range, Tehama
Co 1234m 175
3390 laxa blue-purple 20-30cm CA: Inner N Coast Ranges, Lake Co
460m 175
3391 peduncularis white/violet midvein/starburst inflorescence 20-
30cm CA: Inner N Coast Ranges, Lake Co 175
3393 **Trollius** lilacinus Kazakhstan: Trans-Ili Ala-Tau 174
3394 **Tulipa** dasystemon Kazakhstan: Trans-Ili Ala-Tau 174
3395 **Uvularia** sessilifolia 15-20cm MA: Granby, Hampshire Co 48
3396 **Veratrum** californicum CA: San Bernardino Mtns, Big Bear Lake 2250m 177
3397 **Verbena** hastata MI: Kent Co 141
3398 **Vernonia** missurica MI: Kent Co 141
3399 **Viola** pubescens yellow 45cm PA: Franklin Co 51
3401 **Xerophyllum** tenax white 1-1.5m WA: Cascade Range, Kittitas Co
1166m 175
3402 **Xylorhiza** (Aster) venusta white 50cm CO: Mesa Co 78
3404 **Epilobium** angustifolium deep pink/purple VT: Franklin Co
3405 **Pyrola** americana CT: Franklin
3406 **Actaea** spicata black frt 50cm Norway: Harstad
3407 **Allium** schoenoprasum pink 30cm Norway: Harstad
3408 **Carex** flava green 25cm Norway: Harstad
3409 pallescens green 30cm Norway: Harstad
3412 **Dianthus** superbus pink 30cm Norway: Finnmark
3414 **Gentiana** nivalis blue 5cm Norway: Harstad 400m
3415 **Gymnadenia** conopsea pink 25cm Norway: Harstad
3416 **Micranthes** (Saxifraga) nivalis white 7cm Norway: Harstad 3m
3417 **Oxyria** digyna red 20cm Svalbard
3418 **Papaver** dahlianum yellow/white 10cm Svalbard
3419 **Paris** quadrifolia green 30cm Norway: Harstad
3420 **Phleum** alpinum green 25cm Norway: Harstad
3421 **Rhinanthus** alectorolophus yellow 30cm Norway: Harstad
3422 **Rubus** arcticus pink 10cm Norway: Troms County
3423 chamaemorus white 5cm Norway: Harstad
3424 saxatilis red frt 20cm Norway: Harstad