

INDEX SEMINUM – SEED LIST 2012

Collected 2011

de hortus

Hortus Botanicus Amsterdam - anno 1638

THE NETHERLANDS

History of the garden

In 1638 the precursor of the Hortus was founded as a medicinal herb garden or Hortus Medicus. In 1682 the Hortus Botanicus moved to its present location at the Plantage Middenlaan. The garden was meant as an aid for students of medicine and pharmacy in their training, but also to adorn the 17th century capital city of Amsterdam. Numerous plants arrived from the Dutch East and West India Companies' outposts across the globe. The many unknown plant species grown in the Amsterdam Botanic Garden attracted 18th century's scientists from around Europe to come and increase their knowledge of the Plant Kingdom. Some well-known tropical plants like coffee (*Coffea arabica*), oil palm (*Elaeis guineensis*) and Quinine bark (*Cinchona officinalis*) passed through the Amsterdam Botanic Garden before being distributed to support the colonial economies in tropical regions outside their native realm. By the end of the 19th century, the Amsterdam Botanic Garden was the arena for Hugo de Vries' experiments, leading to the mutation theory and the rediscovery of Mendel's heredity laws in contemporary science.

The first seed list of the Hortus Botanicus Amsterdam was issued in 1804 by Gerard Vrolik.

Present garden

Today, the garden covers approx. 1.2 hectares and attracts some 140.000 visitors annually. The collection consists of 4000 taxa and 5100 accessions of which 1300 are of direct or indirect wild origin (W or Z). Special emphasis is on collections of cycads (Cycadales), palms (Arecaceae), South African flora and 17th century medicinal plants. The historic collection of conservatory plants - some individuals going back hundreds of years ago, and the monumental trees frame the garden's rich history. Collections are registered with the Dutch Botanic Garden Collections Foundation ([SNP](#)). The Hortus participates in the Dutch Botanical Gardens Foundation ([NVBT](#)) and in Botanic Gardens Conservation International ([BGCI](#)).

Our database can be searched online via our website: en.dehortus.nl/collection

Seed exchange policy

Convention on Biological Diversity (CBD) and International Plant Exchange Network (IPEN)

In response to the CBD, the Hortus Botanicus Amsterdam supplies seeds and other plant material in accordance with the Code of Conduct for Botanic Gardens and similar collections. We engage in free exchange of plant material with other IPEN-members, but non-commercial institutions not allied to IPEN need to return an authorised 'Agreement on the supply of living plant material for non-commercial purposes leaving the IPEN', combined with the order form.

Distribution of seeds

Please order your desiderata through the order form enclosed. Make sure your seed request reaches our office **before March 15th, 2012**. We thank you for your understanding of our policy to reject any requests received after that date. Distribution of seeds will take place in March or April.

Information

All listed seeds and spores are labeled as follows:

Catalogue number

Verification level*

Origin code**

Accession number

Taxon***

Collection data

* Verification levels:

0 = the specimen has not been identified by any authority; 1 = the specimen was identified by comparison with other named plants; 2 = the specimen was identified by a taxonomist, with help of taxonomic literature; 3 = the specimen was identified by a taxonomist specialised in the plant group

** Origin code:

W = Seeds from a wild source plant; Z = Seeds from a plant in cultivation but from a known natural source; U = Seeds from unknown origin; G = Seeds from a plant in cultivation, without known natural source. Seeds collected in the garden are always the result of open pollination.

*** Nomenclature is based chiefly on the Plant List and Kew's WCSP. Indigenous plants from the Netherlands may be named according the national standard: Heukels' Flora van Nederland (Van der Meijden 2005). Classification is based on Christenhusz MJM et al (2011), *Phytotaxa* 19:1-134.

Best wishes and have a great botanical season!

Reinout Havinga, Msc
Scientific keeper

Lycophytes & Ferns

Aspleniaceae

1. 2 W 20111248 *Asplenium trichomanes* L.
Netherlands: Noord-Holland , Amsterdam, Scheepvaartmuseum. Coll.: 14/09/2011

Blechnaceae

2. 3 U A3200 *Blechnum occidentale* L.

Cyatheaceae

3. 3 U 20020183 *Cyathea brownii* Domin

Dryopteridaceae

4. 2 W 20111172 *Dryopteris filix-mas* (L.) Schott
Netherlands: Noord-Holland , Monument on the Afsluitdijk, IJsselmeer side. Coll.: 15/08/2011

Pteridaceae

5. 3 U A3214 *Adiantum hispidulum* Sw.
6. 3 U A3139 *Pteris biaurita* L.
7. 3 U A3207 *Pteris vittata* L.

Spermatophyta

Aizoaceae

8. 0 G 892358 *Pleiospilos compactus* subsp. *canus* H.E.K.Hartmann & Liede

Alismataceae

9. 0 W 20091013 *Alisma triviale* Pursh
United States: North Dakota , Ruso. Coll.: 15/09/2007

Amaranthaceae

10. 2 W 20031216 *Chenopodium bonus-henricus* L.
Switzerland, Alt St. Johann SG, Churfirsten. Alt.: 1720 m.
11. 2 W 20111239 *Corispermum intermedium* Schweigg.
Netherlands: Noord-Holland , Amsterdam, IJburg. Coll.: 14/09/2011

Amaryllidaceae

12. 0 Z 20071050 *Allium heldreichii* Boiss.
Greece,
13. 0 W 20061597 *Allium lusitanicum* Lam.
Switzerland, Berner Oberland: Schynige Platte-Gebiet. Alt.: 1750 m.
14. 0 Z 20061292 *Allium pskemense* B.Fedtsch.
Uzbekistan, Akbulak Valley.
15. 0 G 20050060 *Allium thunbergii* G.Don
16. 2 U 20050213 *Zephyranthes grandiflora* Lindl.

Annonaceae

17. 2 G 930203 *Artabotrys hexapetalus* (L. f.) Bhandari

Apiaceae

18. 2 W 20111202 *Angelica sylvestris* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
19. 2 W 20051522 *Chaerophyllum aureum* L.

- Germany, Fränkische Alb, Wonsees. Coll.: 2004
20. 2 G 20002454 *Eryngium variifolium* Coss.
21. 2 W 20071023 *Myrrhis odorata* (L.) Scop.
Öland Island, 3 km N Färjestaden, Saxnäs. Coll.: 2006
22. 2 G 941065 *Oenanthe crocata* L.
23. 2 U B5129 *Smyrniium perfoliatum* L.
- Apocynaceae**
24. 2 G 962455 *Asclepias linifolia* Lag. ex Spreng.
- Araceae**
25. 0 G 20030142 *Amorphophallus bulbifer* (Roxb.) Blume
26. 2 U B4764 *Arum orientale* M.Bieb.
- Araliaceae**
27. 2 Z 20061617 *Aralia cordata* var. *sachalinensis* (Regel) Nakai
Russian Federation: Sakhalin , 1978
28. 2 G 820660 *Kalopanax septemlobus* (Thunb.) Koidz.
- Arecaceae**
29. 3 U A0155 *Caryota mitis* Lour.
30. 3 U A3103 *Ptychosperma macarthurii* (H. Wendl. ex H.J. Veitch) H. Wendl. ex Hook. f.
31. 3 U A3119 *Syagrus schizophylla* (Mart.) Glassman
- Asparagaceae**
32. 2 W 20101125 *Asparagus officinalis* L.
Netherlands: Noord-Holland , Egmond, Noordhollands Duinreservaat, Oude Schulpweg. Coll.:
29/09/2010
33. 2 U 971701 *Chlorophytum orchidastrum* Lindl.
34. 2 W 20041195 *Hosta longipes* (Franch. & Sav.) Matsum.
Japan: Honshu , Honshu, Kanagawa Pref., Hakone, Mt. Myojo. Alt.: 850 m.
35. 0 W 20041214 *Hosta montana* F.Maek.
Japan, Kantou District, Gunma Pref., Naganohara-machi, Oukuwa.
36. 2 U C1577 *Ornithogalum saundersiae* Baker
37. 2 G 20070071 *Ruscus aculeatus* L.
- Asteraceae**
38. 2 W 20041631 *Aetheorhiza bulbosa* (L.) Cass. subsp. *bulbosa*
Spain: Baleares , Mallorca, Pollensa, L'Albuferata.
39. 2 W 20061885 *Ageratum conyzoides* (L.) L.
Nepal, Katmandu, city centre, near temple complex. Coll.: 28/11/2005
40. 2 W 20061996 *Ageratum houstonianum* Mill.
Nepal, Katmandu, city centre, near temple complex. Coll.: 28/11/2005
41. 2 W 20111219 *Anthemis tinctoria* L.
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
42. 1 Z 20100016 *Arnica montana* L.
Netherlands: Drenthe ,
43. 2 W 20111192 *Aster tripolium* L.
Netherlands: Noord-Holland , Afsluitdijk at Den Oever, Wadden Sea side. Coll.: 15/08/2011
44. 0 Z 20071330 *Berkheya purpurea* (DC.) Benth. & Hook.f. ex Mast.
South Africa, Drakensberge.
45. 2 W 20061937 *Centaurea jacea* L.

- Netherlands: Zuid-Holland , Oost-Voorne, Voornse duin, near Tenellaplas. Coll.: 23/08/2006
46. 2 W 20111240 *Centaurea jacea* L.
Netherlands: Noord-Holland , Amsterdam, IJburg. Coll.: 14/09/2011
47. 2 W 20111237 *Cichorium intybus* L.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011
48. 2 W 20051683 *Cirsium oleraceum* (L.) Scop.
Switzerland, Zürich, near Hardhof, along river Limnat. Coll.: 13/08/2005
49. 2 W 20111169 *Cirsium vulgare* (Savi) Ten.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
50. 2 W 20041107 *Erechtites hieraciifolius* (L.) Raf. ex DC.
Mexico , Puerto Vallarta. Coll.: 25/11/2003
51. 2 W 20081359 *Erigeron acer* L.
Netherlands: Noord-Holland , Castricum: Noordhollands Duinreservaat. Alt.: 3 m. Coll.: 26/09/2008
52. 2 W 20111221 *Eupatorium cannabinum* L.
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
53. 2 U B0076 *Eupatorium rugosum* Houtt.
54. 2 W 20111161 *Hieracium pilosella* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
55. 2 W 20081356 *Hieracium umbellatum* L.
Netherlands: Noord-Holland , Castricum: Noordhollands Duinreservaat. Alt.: 3 m. Coll.: 26/09/2008
56. 2 U B4338 *Inula helenium* L.
57. 2 Z 20061045 *Kalimeris pinnatifida* (Maxim.) Kitam.
Japan: Honshu , Tochigi Prefecture. Coll.: 2005
58. 2 W 20111183 *Leontodon autumnalis* L.
Netherlands: Noord-Holland , Monument on the Afsluitdijk, Wadden Sea side. Coll.: 15/08/2011
59. 2 W 20111187 *Picris hieracioides* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
60. 0 W 20070045 *Picris hieracioides* L.
Netherlands, Castricum: Klimduin. Coll.: 07/06/2007
61. 2 W 20111176 *Pulicaria dysenterica* (L.) Gaertn.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
62. 2 W 20111226 *Jacobaea erucifolia* (L.) P.Gaertn., B.Mey. & Scherb.
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
63. 2 W 20111164 *Senecio viscosus* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
64. 2 G 20070118 *Solidago virgaurea* L.
65. 2 W 20111199 *Sonchus palustris* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
66. 2 U B1065 *Telekia speciosa* (Schreb.) Baumg.
67. 2 W 20051705 *Tragopogon porrifolius* L.
Netherlands: Noord-Holland , near Opperdoes: crossing of Nieuwe Weg with historic tramway. Coll.: 09/08/2005
68. 2 G 20090032 *Tragopogon pratensis* L. subsp. *pratensis*
69. 2 W 20111194 *Tripleurospermum maritimum* (L.) K.Koch
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
70. 0 20022335 *Tripolium pannonicum* (Jacq.) Dobroc.
71. 0 Z 20061089 *Vernonia noveboracensis* (L.) Michx.
United States: North Carolina , Boone. Alt.: 1000 m.

Begoniaceae

72. 2 G 20080029 *Begonia glabra* Aubl.
Suriname: Surinam ,
73. 2 G B5184 *Begonia grandis* Dryand.

Betulaceae

74. 2 U B4015 *Corylus colurna* L.

Bignoniaceae

75. 2 G 840159 *Catalpa ovata* G.Don

Boraginaceae

76. 2 W 20070044 *Cynoglossum officinale* L.
Netherlands, Castricum: Klimduin. Coll.: 07/06/2007
77. 2 W 20061290 *Echium italicum* L.
France, Argelliers (Hérault), Prairie. 22/09/2005
78. 2 W 20101114 *Echium vulgare* L.
Netherlands: Noord-Holland , Egmond, Noordhollands Duinreservaat, around 'De Westert'.
Coll.: 29/09/2010
79. 2 W 20041449 *Heliotropium angiospermum* Murray
United States: Florida , Flamingo Everglades. Coll.: 09/03/2004
80. 2 G 20002458 *Lithospermum erythrorhizon* Siebold & Zucc.

Brassicaceae

81. 2 W 20021118 *Arabis alpina* subsp. *caucasica* (Willd.) Briq.
82. 2 G 20011091 *Arabis soyeri* Reut. & A.Huet
83. 2 W 20101096 *Berteroa incana* (L.) DC.
Netherlands: Noord-Holland , Amsterdam: 'Het IJ' Waterfront, between Central Station and Barentzplein. Coll.: 01/09/2010
84. 2 W 20111225 *Brassica nigra* (L.) W.D.J.Koch
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
85. 2 W 20111170 *Cakile maritima* Scop.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
86. 2 W 20111198 *Crambe maritima* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
87. 2 W 20111197 *Crambe maritima* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
88. 0 W 20101024 *Erysimum cheiri* (L.) Crantz
France, L'Aiguillon-sur-Mer (Vendée),Rocher de la Dive. 2009
89. 2 W 20051438 *Isatis tinctoria* L.
Netherlands: Gelderland , near Nijmegen, banks of the Waal river.
90. 2 W 20111245 *Lepidium ruderales* L.
Netherlands: Noord-Holland , Amsterdam, Scheepvaartmuseum. Coll.: 14/09/2011
91. 2 W 20021388 *Lunaria rediviva* L.
Switzerland, Kanton Glarus, above Lintals, Glaner Alpen. Coll.:
92. 2 W 20111182 *Sinapis arvensis* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
93. 2 U B1661 *Vella spinosa* Boiss.

Bromeliaceae

94. 0 G 20110013 *Tillandsia fraseri* Baker

Campanulaceae

95. 0 W 20071468 *Campanula glomerata* L.

Finland, Etelä-Häme: Hämeenlinna, Miemala, SW of Norjanmäki hill (676389:36394). Alt.: 110 m. Coll.: Perti Uotila 46243 (H809869) 17/08/2006

96. 2 G 910196 *Campanula rapunculoides* L.
97. 2 U B5569 *Campanula trachelium* L.
98. 0 G 20090071 *Codonopsis bhutanica* Ludlow
99. 2 W 20051784 *Lobelia cardinalis* L.
United States: Virginia , Gloucester County. Coll.: 2005
100. 2 G 901312 *Lobelia siphilitica* L.

Caprifoliaceae

101. 2 G 961400 *Dipsacus dipsacoides* (Kar. & Kir.) V.I.Botsch.
102. 2 W 20111218 *Dipsacus fullonum* L.
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
103. 2 G 912443 *Dipsacus pilosus* L.
104. 2 U B5209 *Knautia dipsacifolia* Kreutzer
105. 0 Z 20061866 *Leycesteria formosa* Wall.
Bhutan, Himalaja, Paro. Alt.: 3000 m.
106. 2 G 20090030 *Scabiosa columbaria* L.

Caryophyllaceae

107. 2 W 20051226 *Dianthus borbasii* Vandas
Lithuania, S Lithuania, Merkinė.
108. G 20002303 *Dianthus tianschanicus* Schischk.
109. 2 U B4186 *Silene viscaria* (L.) Jess.
110. 2 W 20111223 *Myosoton aquaticum* (L.) Moench
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011
111. 2 W 20111178 *Sagina maritima* G.Don
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
112. 2 W 20021342 *Saponaria officinalis* L.
Netherlands: Noord-Holland , Near IJmuiden. Coll.: 22/08/2002
113. 2 W 20080061 *Silene conica* L.
Netherlands: Noord-Holland , Amsterdam, Hortus Botanicus, spontaneous seedling in dune sand from Amsterdamse Waterleidingduinen.
114. 2 W 20031434 *Silene dioica* (L.) Clairv.
Netherlands: Noord-Holland , Heemstede, Boekenroodweg. Coll.: 04/09/2003
115. 2 W 20101124 *Silene latifolia* subsp. *alba* (Mill.) Greuter & Burdet
Netherlands: Noord-Holland , Egmond, Noordhollands Duinreservaat, around 'De Westert'.
Coll.: 29/09/2010
116. 2 W 20081418 *Silene nutans* L.
Netherlands: Noord-Holland , Noordhollands Duinreservaat, S of Egmond aan Zee: de Waterkuilen. Coll.: 17/11/2008
117. 2 W 20081419 *Silene otites* (L.) Wibel
Netherlands: Noord-Holland , Noordhollands Duinreservaat, S of Egmond aan Zee: de Waterkuilen. Coll.: 17/11/2008
118. 2 W 20111179 *Spergularia salina* J.Presl & C.Presl
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011

Celastraceae

119. 2 B4063 *Euonymus sachalinensis* (F.Schmidt) Maxim.

Cistaceae

120. 0 W 20051011 *Helianthemum apenninum* (L.) Mill.

France, Alpes-Maritimes, vallon du Logis Neuf, Caussols. Alt.: 1080 m. G-02-0410N

121. 2 Z 20041575 *Helianthemum nummularium* (Cav.) Losa & Rivas Goday
Turkey, 5 km from Cam Geçidi to Ardahan.

Cleomaceae

122. 2 Z 20061175 *Cleome serrata* Jacq.
Guatemala, Prov. Alta Verapaz, from Rocjá Pontilá along Rio Kixpur. Alt.: 180 m.

Convolvulaceae

123. 2 W 20111185 *Convolvulus sepium* L.
Netherlands: Friesland, Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011

Coriariaceae

124. 0 W 20040104 *Coriaria kingiana* Colenso
New Zealand: New Zealand North, Patae road, between Taihape and Napier.

Costaceae

125. 3 U 780085 *Costus albus* A.Chev. ex Koechlin
126. 3 G 20061108 *Costus pulverulentus* C.Presl

Crassulaceae

127. 2 W 20030192 *Sedum montanum* Songeon & Perrier
12/07/2003
128. 2 W 20070008 *Sedum telephium* L.
Netherlands: Groningen, Next to railway bridge across AG Wildervanckkanaal, E of Zuidbroek.
Coll.: 06/05/2007

Cupressaceae

129. 2 U C0520 *Widdringtonia cedarbergensis* J.A.Marsh

Cyperaceae

130. 2 W 20111201 *Bolboschoenus maritimus* (L.) Palla
Netherlands: Friesland, Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
131. 2 W 20041024 *Carex echinata* Murray
France, Paimpont. 26/08/2003
132. 2 W 20041538 *Carex lupulina* Muhl. ex Willd.
United States: New Jersey, Morris Co., Chatham Twp. Great Swamp. KB10603 19/08/2003
133. 2 W 20041025 *Carex pseudocyperus* L.
France, Pont Péan, bords de ruisseau. 03/09/2003
134. 2 W 20051089 *Carex sylvatica* Huds.
France, Dep. Maine-et-Loire; Beaulieu-sur-Layon, 'Forêt de Beaulieu'.
135. 2 W 20111168 *Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla
Netherlands: Friesland, Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
136. 0 W 20051778 *Scirpus cyperinus* (L.) Kunth
United States: Virginia, Gloucester County. Coll.: 2005

Dioscoreaceae

137. 2 U B1676 *Tamus communis* L.

Droseraceae

138. 2 G 20090125 *Drosera capensis* L.
139. 0 G 20040091 *Drosera nidiformis* Debbert

Ericaceae

140. 0 G 760379 *Enkianthus cernuus f. rubens (Maxim.) Ohwi*
 141. 2 W 20061204 *Gaultheria procumbens L.*
 United States: Massachusetts , Granby. Alt.: 114 m. Coll.: 12/11/2005

Fabaceae

142. 2 W 20070025 *Anthyllis vulneraria L.*
 Netherlands: Noord-Holland , Alkmaar, near railway station. Coll.: 03/06/2007
 143. 2 W 930064 *Astragalus glycyphyllos L.*
 Turkey, Ankara. Coll.: 1988
 144. 0 U B5566 *Coronilla juncea L.*
 145. 2 G 20001124 *Genista tinctoria L.*
 146. 2 G 20031090 *Kennedia macrophylla Meisn.*
 147. 2 U B3102 *Lathyrus linifolius (Reichard) Bässler*
 148. 0 W 20071655 *Lathyrus niger (L.) Bernh.*
 Poland, Brylnce. Coll.: 10/10/2006
 149. 2 W 20111241 *Lathyrus pratensis L.*
 Netherlands: Noord-Holland , Amsterdam, IJburg. Coll.: 14/09/2011
 150. 0 U B5352 *Lathyrus transsylvanicus Rchb.f.*
 151. 2 W 20111177 *Melilotus albus Medik.*
 Netherlands: Noord-Holland , Afsluitdijk at Den Oever, Wadden Sea side. Coll.: 15/08/2011
 152. 2 W 20111189 *Melilotus officinalis (L.) Pall.*
 Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
 153. 2 W 20002689 *Mimosa pudica L.*
 Peru, Pilcopatta-Manu, Madre Dios. Alt.: 1250 m. Coll.:
 154. 2 W 20051211 *Ornithopus perpusillus L.*
 Netherlands: Overijssel , Hardenberg, Gramsbergenweg. Alt.: 12 m.
 155. 2 G 20051661 *Senna obtusifolia (L.) H.S.Irwin & Barneby*
 156. 2 W 20041549 *Senna septemtrionalis (Viv.) H.S.Irwin & Barneby*
 Colombia, Cordillera de Central, Between Armenia and Calarca. Alt.: 1700 m. Coll.:
 27/08/2004
 157. 2 W 20111233 *Trifolium arvense L.*
 Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011
 158. 2 W 20051819 *Trifolium campestre Schreb.*
 Netherlands: Noord-Holland , 1 km E of Wijk aan Zee. Coll.: 08/09/2005
 159. 2 W 20111220 *Vicia cracca L.*
 Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011

Geraniaceae

160. 2 U B4795 *Geranium lucidum L.*
 161. 2 U B5338 *Geranium pratense L.*
 162. 2 W 20041666 *Geranium pyrenaicum Burm.f.*
 Netherlands: Noord-Holland , Velsen, ferry harbour, Noodzeekanaal. Coll.: 01/09/2004
 163. 0 G 20001993 *Geranium sibiricum L.*
 164. 2 U B5341 *Geranium thunbergii Siebold ex Lindl. & Paxton*
 165. 2 G 20051618 *Geranium wilfordii Maxim.*
 Japan: Honshu , Hakone Botanical Garden of Wetlands, cultivated outdoors.
 166. 2 Z 20041569 *Pelargonium alchemilloides (L.) Aiton*
 South Africa: Eastern Cape Province , East London. SA1685
 167. 0 G 20000086 *Pelargonium appendiculatum (L.f.) Willd.*
 168. 0 20000152 *Pelargonium betulinum (L.) L'Hér. ex Aiton*
 169. 2 Z 20051227 *Pelargonium hispidum Willd.*

South Africa: Western Cape Province , Seweweekspoort.

170. 2 U 840532 *Pelargonium papilionaceum* (L.) L'Hér. ex Aiton
171. 0 G 20051072 *Pelargonium ranunculophyllum* (Eckl. & Zeyh.) Baker
172. 2 U C0097 *Pelargonium zonale* (L.) L'Hér.

Gesneriaceae

173. 2 G 20002592 *Streptocarpus cyaneus* S.Moore

Gunneraceae

174. 2 G 20080066 *Gunnera perpensa* L.
175. 0 Z 20071591 *Gunnera tinctoria* (Molina) Mirb.
Chile, Los Lagos, Palena, pass N of Villa Sta, Lucia. Alt.: 550 m.

Haloragaceae

176. 2 G 20051806 *Haloragis masafuerana* Skottsbo.

Hypericaceae

177. 2 G 20001326 *Hypericum cerastoides* (Spach) N.Robson

Iridaceae

178. U C1423 *Aristea macrocarpa* G.J.Lewis
179. 0 Z 20071465 *Iris setosa* Pall. ex Link
Japan: Hokkaido , Shiraoi-machi, Shiraoi-gun. Coll.: 27/07/1990
180. 2 U B5404 *Iris sibirica* L.
181. 0 U B2070 *Iris spuria* L. subsp. *spuria*

Juncaceae

182. 2 W 20111246 *Juncus gerardii* Loisel.
Netherlands: Noord-Holland , Amsterdam, Scheepvaartmuseum. Coll.: 14/09/2011

Lamiaceae

183. 2 W 20070031 *Ballota nigra* L. subsp. *nigra*
Netherlands: Noord-Holland , Alkmaar, near railway station. Coll.: 03/06/2007
184. 2 W 20061486 *Callicarpa japonica* Thunb.
Japan, Tanzawa Yamakita Nakagawa. Alt.: 775 m. 04/11/2004
185. 2 U B0158 *Collinsonia canadensis* L.
186. 2 G 961705 *Colquhounia coccinea* Wall.
187. 2 W 20111165 *Galeopsis tetrahit* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
188. 1 W 20111203 *Lamium purpureum* var. *hybridum* (Vill.) Vill.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
189. 2 W 20061075 *Leonurus cardiaca* L.
Germany, Buchholz / Märkisch-Oderland.
190. 0 W 20081259 *Micromeria graeca* (L.) Benth. ex Rchb.
Italy, Valle Subequana (L'Aquila). Alt.: 600 m. 2007
191. 2 W 20111227 *Origanum vulgare* L.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011
192. 2 G 952387 *Pogostemon cablin* (Blanco) Benth.
193. 2 G 20002142 *Salvia tomentosa* Mill.
194. 2 G 991931 *Scutellaria columnae* All.

195. 2 W 20011574 *Thymus serpyllum* L.
Netherlands: Noord-Holland , Near IJmuiden. Coll.: 28/09/2001

Lauraceae

196. 0 G 20051030 *Lindera benzoin* (L.) Blume

Liliaceae

197. 0 G 20100137 *Fritillaria eduardii* Regel
198. 0 G 20100138 *Fritillaria imperialis* 'Garland Star'
199. 2 W 20061760 *Lilium bulbiferum* L.
Sierra Leones: Slovenia , Caven. 2005
200. W 20031132 *Lilium monadelphum* M.Bieb.
201. 2 G 20020060 *Tricyrtis hirta* (Thunb.) Hook.

Lythraceae

202. 2 U B5222 *Heimia salicifolia* (Kunth) Link

Malvaceae

203. 2 G 992338 *Entelea arborescens* R.Br.
204. 2 U C0825 *Grewia occidentalis* L.
205. 2 Z 20021111 *Kitaibelia vitifolia* Willd.
Macedonia , Skopje, Matka.
206. 2 W 20111243 *Malva moschata* L.
Netherlands: Noord-Holland , Amsterdam, IJburg. Coll.: 14/09/2011
207. 2 G 891778 *Pavonia spinifex* (L.) Cav.

Marantaceae

208. 2 G 922288 *Marantochloa leucantha* (K.Schum.) Milne-Redh.

Melanthiaceae

209. 2 U B2022 *Paris quadrifolia* L.
210. 0 G 20070042 *Veratrum maackii* Regel

Meliaceae

211. 2 U A2958 *Humbertioturraea maculata* (Sm.) Cheek
212. 2 U C1447 *Melia azedarach* L.

Melanthaceae

213. 2 G 942277 *Francoa sonchifolia* Cav.

Moringaceae

214. 2 G 971024 *Moringa oleifera* Lam.

Musaceae

215. 2 U A2975 *Musa x paradisiaca* L.

Myrtaceae

216. 2 U C1555 *Callistemon linearifolius* (Link) DC.
217. 2 U C1453 *Callistemon speciosus* (Sims) Sweet
218. 0 W 20100145 *Luma apiculata* (DC.) Burret

Chile: Los Lagos , In and around Chacao, on the northeast shores of Chiloé. Coll.:

219. 2 U C0210 *Melaleuca hypericifolia* Sm.
220. 2 U C1521 *Melaleuca nesophila* F.Muell.
221. 2 U C1076 *Metrosideros robusta* A.Cunn.
222. 2 U C0684 *Syzygium paniculatum* Gaertn.

Nartheciaceae

223. 2 G 20010075 *Narthecium ossifragum* (L.) Huds.

Ochnaceae

224. 2 U C0404 *Ochna serrulata* Walp.

Onagraceae

225. 2 W 20111224 *Oenothera biennis* L.
Netherlands: Noord-Holland , Diemer Vijfhoek near Amsterdam and Diemen. Coll.: 14/09/2011

Orobanchaceae

226. 2 W 20021393 *Orobanche hederæ* Duby
Netherlands: Zuid-Holland , Leiden, Churchillaan, near Churchillbrug. Coll.: 16/09/2002
227. 2 G 921697 *Orobanche lucorum* A.Braun ex F.W.Schultz

Oxalidaceae

228. 2 G 910106 *Oxalis acetosella* L.

Papaveraceae

229. 2 W 20071235 *Glaucium flavum* Crantz
Netherlands: Zuid-Holland , Oostvoorne. 2006

Phrymaceae

230. 2 W 20061809 *Mimulus ringens* L.
United States: New Jersey , Union Co., Surprise Lake. KB 15771 27/09/2005

Phyllanthaceae

231. 2 G 790767 *Phyllanthus grandifolius* L.

Phytolaccaceae

232. 2 U A2124 *Rivina humilis* L.

Piperaceae

233. 2 U A2974 *Piper methysticum* G.Forst.

Pittosporaceae

234. 2 U C0660 *Pittosporum eugenioides* A.Cunn.

Plantaginaceae

235. 2 W 20111159 *Cymbalaria muralis* P.Gaertn., B.Mey. & Scherb.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
236. 2 W 20051286 *Digitalis ferruginea* L.
Turkey, Ala Dag, Kartelkaya. Alt.: 1600 m.
237. 0 Z 20041604 *Digitalis grandiflora* Mill.
Germany: W.Germany , Baden-Wuerttemberg, Schwarzwald, Todtnau. Coll.:

238. 0 W 20071313 *Digitalis lutea subsp. australis* (Ten.) Arcang.
Italy, presso il Convento S. Angelo d'Ocre, Altopiano delle Rocche, Comunità Montana Sirentina, Parco Regionale Sirente Velino. Coll.: 28/08/2006
239. 0 Z 20051513 *Globularia trichosantha* Fisch. & C.A.Mey.
Turkey, 1 km E from Pasinler.
240. 2 Z 20071300 *Penstemon canescens* (Britton) Britton
United States: North Carolina , Henderson County, in the shrub located between cornfield and the French Broad River. Alt.: 661 m.
241. 2 W 20071484 *Penstemon ovatus* Douglas
United States: Washington , Skamania County: Basaltic outcrop in roadcut above State Route 14, 50 m E of junction with Belle Center Road, 5.5 miles E of Washougal, 11.0 miles W of Beacon Rock. Section 17, Township 1 North, Range 5 East. WPA 00-19 08/09/2000
242. 2 W 20080063 *Plantago coronopus* L.
Netherlands: Noord-Holland , Amsterdam, Hortus, spontaneous seedling in dune sand from Amsterdamse Waterleidingduinen.
243. 2 W 20111188 *Plantago coronopus* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
244. 2 W 20111184 *Plantago maritima* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011
245. 2 U B2738 *Veronica longifolia* L.
246. 2 W 972467 *Veronica officinalis* L.

Plumbaginaceae

247. 2 W 20111181 *Limonium vulgare* Mill.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, Wadden Sea side. Coll.: 15/08/2011

Poaceae

248. 2 W 20111163 *Elytrigia atherica* (Link) Kerguélen
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
249. 2 W 20101002 *Oryza glaberrima* Steud.
Suriname, Purchased on Vreedzaammarkt. Originally grown by maroons in Suriname's interior. Exact locality unknown.. Coll.: TvA 5634 15/12/2009
250. 2 W 20051845 *Phleum arenarium* L.
Netherlands: Noord-Holland , 500 m S of Wijk aan Zee. Coll.: 08/09/2005
251. 0 Z 20071029 *Nassella tenuis* (Phil.) Barkworth
Argentina, Chubut Provinz ca. 50 km W Puerto Piramides auf HI Valdes.

Primulaceae

252. 0 W 20091063 *Lysimachiaacroadenia* Maxim.
Japan, Hitachi-ota-shi, Ibaraki-ken. 2008
253. 2 U B1037 *Lysimachia ephemera* L.
254. 2 Z 20071291 *Lysimachia fortunei* Maxim.
Japan: Honshu , Hakone Sengokubara.

Ranunculaceae

255. 2 U B1131 *Aconitum napellus* L.
256. 2 W 20071074 *Actaea spicata* L.
Austria, Steiermark, Rax - Alpe. Alt.: 1850 m. 2006
257. 0 W 20021383 *Anemone hupehensis* (É.Lemoine) É.Lemoine
China: Sichuan , Mt. Omei. Alt.: 700 m.
258. 0 G 991149 *Clematis songorica* Bunge
259. 2 G 20080035 *Clematis viticella* L.

260. 2 W 20061264 *Thalictrum dasycarpum* Fisch., C.A.Mey. & Avé-Lall.
United States: Michigan , Clinton county; Place Name: Rose Lake - Peacock / Stoll Rd.
Intersection. Alt.: 256 m. 20050482 16/08/2005

Rosaceae

261. 2 W 20031366 *Acaena pallida* (Kirk) Allan
New Zealand: New Zealand South , Smails Beach near Dunedin. 08/01/2003
262. 2 W 20051829 *Agrimonia eupatoria* L.
Netherlands: Noord-Holland , 1 km E of Wijk aan Zee. Coll.: 08/09/2005
263. 0 W 20031464 *Agrimonia parviflora* Aiton
United States: Virginia , Gloucester County, Summerfield Wild Area, Clay Bank Road. Coll.:
264. 2 U C0736 *Osteomeles schwerinae* C.K.Schneid.
265. 2 W 20111235 *Potentilla argentea* L.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011
266. 2 G 991861 *Potentilla kurdica* Boiss. & Hohen.
267. 2 U 820725 *Rhaphiolepis umbellata* (Thunb.) Makino
268. 0 W 20071403 *Rosa rubifolia* Vill.
Sierra Leones: Slovenia , Nanos. 2006
269. 2 W 20111229 *Sanguisorba minor* Scop.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011

Rubiaceae

270. 2 Z 20071324 *Callipeltis cucullaris* (L.) DC.
Tajikistan: Tadzjikistan ,
271. 2 W 20111238 *Galium mollugo* L.
Netherlands: Noord-Holland , Amsterdam, IJburg. Coll.: 14/09/2011
272. 1 U A3273 *Psychotria punctata* Vatke
273. 2 U B2156 *Rubia tinctorum* L.
274. 2 W 20111190 *Sherardia arvensis* L.
Netherlands: Noord-Holland , Monument on the Afsluitdijk, IJsselmeer side. Coll.: 15/08/2011

Rutaceae

275. 2 G B1525 *Citrus trifoliatus* L.
276. 2 U B5485 *Zanthoxylum americanum* Mill.
277. 2 U B5536 *Zanthoxylum armatum* DC.

Scrophulariaceae

278. 0 W 20061473 *Buddleja japonica* Hemsl.
Japan, Tanzawa, Yamakita Nakagawa. Alt.: 775 m. 04/11/2004
279. 2 W 20010021 *Nemesia melissifolia* Benth.
Netherlands: Noord-Holland , Amsterdam, Chasseestraat near Admiraal de Ruyterweg. Coll.:
280. 2 W 20111231 *Verbascum nigrum* L.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011
281. 2 W 20111232 *Verbascum phlomoides* L.
Netherlands: Noord-Holland , Diemerpark near Amsterdam and Diemen. Coll.: 14/09/2011

Solanaceae

282. 2 U C1537 *Ioichroma australe* Griseb.
283. 2 W 20111186 *Solanum dulcamara* L.
Netherlands: Friesland , Afsluitdijk at Kornwerderzand, IJsselmeer side. Coll.: 15/08/2011
284. 0 G 20111053 *Solanum sisymbriifolium* 'Morelle de Balbis'

Stylidiaceae

285. 1 G 20081164 *Stylidium adnatum* R.Br.

Trochodendraceae

286. 2 U B1840 *Trochodendron aralioides* Siebold & Zucc.

Urticaceae

287. 2 U C1354 *Gesnouinia arborea* (L.f.) Gaudich.

288. 2 U B1251 *Parietaria officinalis* L.

Valerianaceae

289. 2 Z 20041709 *Patrinia villosa* (Thunb.) Juss.
Japan: Honshu , Hiroshima, no details.

Verbenaceae

290. 2 U 20100088 *Phyla dulcis* (Trevir.) Moldenke
Mexico

291. 2 G 952055 *Stachytarpheta jamaicensis* (L.) Vahl

292. 2 W 20061873 *Verbena hastata* L.
United States: Massachusetts , Hampshire county.

Violaceae

293. 0 W 20091056 *Viola tricolor* L. subsp. *tricolor*
France , C ne de Bonneval (Savoie), Route du Col de la Madeleine. Alt.: 740 m. 2005

Xanthorrhoeaceae

294. 2 G 940154 *Dianella tasmanica* Hook.f.

295. 0 G 922119 *Aloe citrea* (Guillaumin) L.E.Newton & G.D.Rowley

Zingiberaceae

296. 2 U 20050198 *Roscoea cautleoides* Gagnep.
-

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