

**M.M. Gryshko National Botanical Garden  
of the National Academy of Sciences of Ukraine**



**INDEX SEMINUM  
2021-2022**

**DELECTUS SEMINUM QUAE HORTUS BOTANICUS  
NATIONALIS ACADEMIAE SCIENTIARUM UKRAINAE  
PRO MUTUA COMMUTATIONE OFFERT  
ANNO 2021**

M.M. Gryshko National Botanical Garden is located in the northern part of Ukraine in Kyiv. The entire area is 130 hectares and altitudes vary from 100 to 190 m above sea level. The Botanical Garden lies on the right bank of the river Dnipro. High hills are cut with many valleys and provide suitable conditions for many introduced plants. The climate of Kyiv is temperate continental. Average yearly temperature is +7.4° C. Mean temperatures in Kyiv are +20.5° C for the hottest month (July) and -3.5° C for the coldest month (January). The highest recorded temperature was +39.9° C and the lowest was -32.2° C. The yearly precipitation is about 550-650 mm and average total solar radiation – 97-100 kcal/cm<sup>2</sup> per year. The collections of plants from all the continents consist of more than 16 000 taxa.

Director: Prof. Dr. Natalia Zaimenko

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## COLLECTIONS, EXPOSITIONS AND CURATORS

- PF-01-07 "Plaine forests of Ukraine" V. V. Melnyk, Head of Natural Flora Department  
PF-08 "Steppes of Ukraine" V.V. Grytsenko  
PF-09 "Carpathians" O.R. Baranskyi  
PF-10 "Crimea" O.F. Levon  
PF-11 "Rare plants of Ukrainian flora" M.B. Gaponenko; A.M. Gnatyuk  
PF-12 "Caucasus" S.Ya. Didenko  
PF-13 "Central Asia" Yu.M. Nehrash  
PF-14 "Altai and Western Siberia" O.O. Rak  
PF-15 "Far East" N.V. Kushnir  
DN-01 "Gymnosperms. Plateau" , "Gymnosperms. Vydubysky dene" O.P. Pokkhylchenko  
DN-08 "Lilac Garden" V.K. Gorb  
DN-10 "Magnolia Garden"  
KD-05 "Annual Plants" S.P. Mashkovska  
KD-06 "Biennial Plants, Poppies and Callistephus chinensis" G.O. Goray  
KD-09 "Bulbous Plants" N.B. Tarasyuk  
KD-13 "Rare Perennials" O.P. Pereboychuk  
KD-14 "Daylilies and Ornamental Grasses" T.O. Shcherbakova  
KF-701 "New Forage and Raw Plants" O.V. Shymanska  
KF-702 "Spice Plants" M.O. Haznyuk  
KF-703 "Rare Vegetable Plants" O.P. Bondarchuk  
KF-704 "Technical Plants" O.L. Andrushchenko  
KF-705 "Energetic Plants" D.B. Rakhmetov, Head of Cultural Flora Department  
KF-706 "Lawn Grasses" O.V. Shymanska  
KF-707 "Nontraditional Essential Herbes" S.M. Kovtun -Vodyanytska  
LR-01 "Medicinal Plants" S.O. Chetvernya  
PR-07 "Dogwood, Quince, Persimmon, Azimina, Chaenomeles, Cynoxylon" Head of Acclimatization Fruit Plants Department S.V. Klymenko; O.Grygorieva; M.Zhurba  
PR-08 "Actinidia, Schisandra, Viburnum, Blackberry, Honeysuckle, Humi, Hawthorn, Cranberry" N.V. Skrypchenko

## SEMINA PLANTARUM ET SPORARUM IN HORTO BOTANICO CULTARUM

### SEEDS COLLECTED FROM THE BOTANICAL GARDEN

#### ACTINIDIACEAE

1. *Actinidia arguta* (Siebold&Zucc.) Planch. exMiq., Beijing, China, 1955 – PR-08
2. *Actinidia deliciosa* (A.Chev.) C.F.Liang&A.R.Ferguson – PR-08
3. *Actinidia kolomikta* (Rupr. & Maxim.) Maxim., Russia – PR-08
4. *Actinidia polygama* (Siebold&Zucc.) Maxim., Russia, 1980 – PR-08

#### ADOXACEAE

5. *Sambucus nigra* L. – PF-09, Ukrainian Carpathians
6. *Sambucus sibirica* Nakai – PF-14, Altai
7. *Viburnum lanthana* L. – PF-09, Ukrainian Carpathians
8. *Viburnum opulus* L. – PR-07

#### AMARANTHACEAE

9. *Amaranthus caudatus* L.cv. Rubra – KD-05
10. *Atriplex hortensis* L. cv. Gorodnia zhovta, Ukraine, 1974 – KF-703
11. *Atriplex hortensis* L. cv. Sadova chervona, Ukraine, 1998 – KF-703
12. *Bassia scoparia* (L.) A.J. Scott. cv. Burning Bush – KD-05
13. *Beta vulgaris* ssp. vulgaris convar.saccharifera Alef., Kyiv, Ukraine, 2004 – KF-704
14. *Beta vulgaris* var. cicla Mog., cv. Zymnii, Ukraine, 1991 – KF-703
15. *Chenopodium quinoa* Willd., Munich, Germany, 2008 – KF-704

#### AMARYLLIDACEAE

16. *Allium aflatunense* B.Fedtsch. – KD-09
17. *Allium altissimum* Regel. – PF-13, Gissar Range, 1961
18. *Allium caeruleum* Pall. – PF-13, Talgar, 1961
19. *Allium carinatum* subsp. pulchellum (G.Don) Bonnier & Layens, France, 2005 – KF-703
20. *Allium christophii* Trautv. – PF-13, Kopet Dag, 1961
21. *Allium karataviense* Reg. – KD-09
22. *Allium moly* L. – KD-09
23. *Allium odorum* L. – KD-09
24. *Allium rosenbachianum* Reg. – KD-09
25. *Allium schoenoprasum* L. – KD-09; LR-01
26. *Allium siculum* Ucria – KD-09
27. *Allium textile* A.Nelson & J.F.Macbr., Germany, 2005 – KF-703
28. *Allium tuberosum* Rottler ex Spreng., Germany, 2006 – KF-703
29. *Allium turkestanicum* Regel., Austria, 2006 – KF-703

#### ANNONACEAE

30. *Asimina triloba* (L.) Dun. – PR-07

#### APIACEAE

31. *Astrantia major* L. – PF-01;
32. *Coriandrum sativum* L., Sofia, Bulgaria, 1999 – KF-702
33. *Foeniculum vulgare* Mill., Russia, 1986 – KF-703
34. *Foeniculum vulgare* Mill., cv. Moravskyi, Brno, Czech Republic, 2000 – KF-702

35. *Heracleum lehmannianum* Bunge, Ukraine, 1974 – KF-701
36. *Heracleum ponticum* (Lipsky) Schischk. ex Grossh., Belarus, 1974 – KF-701
37. *Pastinaca sativa* L. – LR-01
38. *Pastinaca sativa* L., Czech Republic, 1959 – KF-703
39. *Petroselinum crispum* (Mill). Fuss cv. *Urozhaina*, Ukraine, 1966 – KF-703
40. *Pimpinella saxifraga* L., Kaunas, Lithuania, 1979 – KF-702
41. *Scandix pecten-veneris* L., Germany, 2018 – KF-707
42. *Seseli tortuosum* L. – LR-01

#### ARACEAE

43. *Arum korolkowii* Regel – PF-13, Kopet Dag, 1961

#### ASPARAGACEAE

44. *Camassia cusickii* S.Wats. – KD-09
45. *Hosta sieboldiana* (Hook.) Engl. – KD-13
46. *Hyacinthoides hispanica* (Mill.)Roth. f. *alba* – KD-09
47. *Hyacinthoides hispanica* (Mill.)Roth. f. *rosea* – KD-09
48. *Hyacinthoides italica* (L.) Rothm. – KD-09
49. *Leopoldia comosa* (L.) Parl. – KD-09
50. *Muscari armeniacum* Leichtlin ex Baker – KD-09
51. *Muscari latifolium* J.Kirk. – KD-09
52. *Scilla siberica* subsp. *armena* (Grossh.) Mordak – PF-12
53. *Scilla siberica* subsp. *caucasica* (Miscz.) Mordak – PF-12

#### ASPHODELACEAE

54. *Asphodeline lutea* (L.) Rchb. – PF-10; PF-11
55. *Bulbine semibarbata* (R.Br.) Haw. – KD-05

#### ASTERACEAE

56. *Achillea ageratum* L., Frankfurt am Main, Germany, 2003 – KF-702
57. *Achillea filipendulina* Lam., Kyiv, Ukraine, 1986 – KF-702
58. *Achillea millefolium* L., cv. *Rosea*, Koen, Italia, 2005 – KF-702
59. *Achillea millefolium* subsp. *collina* (Wirtg.) Oborný, Brno, Czech Republic, 2012 – KF-702
60. *Achillea pannonica* Scheele (*Achillea seidlilii* J.Presl & C.Presl), Bern, Switzerland, 2018 – KF-702
61. *Achillea ptarmica* L., Mace, Belgium, 1999 – KF-702
62. *Achillea setacea* Waldst.et Kit., Ukraine, 2014 – KF-707
63. *Ageratum houstonianum* Mill cv. *Rosea* – KD-05
64. *Ageratum houstonianum* Mill cv. *Violacea* – KD-05
65. *Ageratum houstonianum* Mill. cv. *Alba* – KD-05
66. *Arctium lappa* L., Lithuania, 1998 – KF-703
67. *Artemisia abrotanum* L., Ukraine, 2005 – KF-702
68. *Bidens ferulifolia* (Jacq.) Sweet, France, 2015 – KF-707
69. *Calendula arvensis* L. – KD-05
70. *Calendula officinalis* L. cv. *Prikosnovienie* – KD-05
71. *Calendula officinalis* L. cv. *Rosovyi Siurpris* – KD-05
72. *Calendula officinalis* L. cv. *Rozovyi surpris* – LR-01
73. *Calendula officinalis* L. cv. *Shcherbet* – KD-05
74. *Carthamus lanatus* L., Leipzig, Germany, 2011 – KF-704
75. *Centaurea behen* L., Tehran, Iran, 2014 – KF-704

76. *Coreopsis grandiflora* Hoog ex Sweet, Crimea, Simferopol, Ukraine, 1975 – KF-702
77. *Coreopsis lanceolata* L., Blagoveshchensk, Russia, 2016 – KF-704
78. *Coreopsis tinctoria* Nutt. cv. *Atropurpurea* – KD-05
79. *Coreopsis tinctoria* Nutt., Kyiv, Ukraine, 2005 – KF-704
80. *Coreopsis tinctoria* Nutt., Strasbourg, France, 2000 – KD-05
81. *Cosmos sulphureus* Cav. – KD-05; Uzhhorod, Ukraine, 2011 – KF-704
82. *Cosmos sulphureus* Cav. cv. *Flora Pleno* – KD-05
83. *Cosmos sulphureus* Cav. cv. *Klondayk* – KD-05
84. *Cota tinctoria* (L.) J.Gay, Copenhagen, Denmark, 2011 – KF-704
85. *Dahlia pinnata* Cav. cv. *Mign Yellow* – KD-05
86. *Dahlia pinnata* Cav. cv. *Opera Orange* – KD-05
87. *Dahlia pinnata* Cav. cv. *Opera Red* – KD-05
88. *Dahlia pinnata* Cav. cv. *Opera White* – KD-05
89. *Dimorphotheca sinuata* DC. cv. *Bliesk Zvezdy* – KD-05
90. *Dimorphotheca sinuata* DC. cv. *Orang* – KD-05
91. *Echinacea angustifolia* DC. – LR-01
92. *Echinacea purpurea* (L.) Moench, Russia, 2004 – KF-701
93. *Echinops sphaerocephalus* L., Switzerland, 2004 – KF-701
94. *Glebionis coronaria* (L.) Cass. ex Spach, Russia, 1986 – KF-703
95. *Grindelia robusta* Nutt. – LR-01
96. *Grindelia squarrosa* (Pursh) Dunal, Crimea, Ukraine, 1976 – KF-702
97. *Helianthus annuus* L. cv. *Iren* – KD-05
98. *Heliopsis helianthoides* (L.) Sweet. var. *scabra* (Dunal) Fernald – KD-13
99. *Inula helenium* L., Bulgaria, 1988 – KF-701
100. *Inula orientalis* Lam., Bormio, Italy, 2011 – KF-704
101. *Lactuca sativa* L. var. *romana* Lam., cv. *Sovskii*, Ukraine, 1991 – KF-703
102. *Matricaria recutita* L. cv. *Perlyna stepu* – LR-01
103. *Nipponanthemum nipponicum* (Franch. ex Maxim.) Kitam., Nant, France, 2003 – KD-05
104. *Rudbeckia amplexicaulis* Vahl – KD-05
105. *Rudbeckia laciniata* L. – KD-13
106. *Silphium integrifolium* Michx., cv. *Yuvileinyi-90*, Ukraine, 2008 – KF-705
107. *Silphium perfoliatum* L., Ukraine, 1969 – KF-701
108. *Silphium perfoliatum* L., cv. *Bohatyr*, Ukraine, 2008 – KF-705
109. *Silphium scaberrimum* Eil., Hungary, 1993 – KF-701
110. *Silybum marianum* (L.) Gaertn., Germany, 2006 – KF-701; LR-01
111. *Tagetes erecta* L. cv. *Arlekin*, Kyiv, Ukraine, 2009 – KD-05
112. *Tagetes erecta* L. cv. *Moonlight* – KD-05
113. *Tagetes erecta* L. cv. *Sunset Giant* – KD-05
114. *Tagetes tenuifolia* Cav. – KD-05
115. *Tanacetum balsamita* L., Crimea, Simferopol, Ukraine, 1975 – KF-702
116. *Tanacetum boreale* Fisch. ex Link., Brno, Czech, 2009 – KD-05
117. *Tanacetum cinerariifolium* (Trevis.) Sch. Bip, Germany, 2007 – KF-702
118. *Tanacetum parthenium* Bernh. cv. *Aureum*, Maise, Belgium, 2000 – KD-05
119. *Tanacetum parthenium* Bernh. f. *Alba Plena*, Romania, 2010 – KD-05
120. *Telekia speciosa* (Schreb.) Baumg. – PF-09
121. *Tithonia rotundifolia* (Mill.) Blak., Kursk, Russia, 2009 – KD-05
122. *Zinnia angustifolia* Kunth., Krefeld, Germany, 2002 – KD-05
123. *Zinnia elegans* Jacq. cv. *Pink* – KD-05
124. *Zinnia elegans* Jacq. cv. *Podarok* – KD-05
125. *Zinnia elegans* Jacq. cv. *Tigrovyi Glaz*, Voronezh, Russia, 2010 – KD-05

#### BASELLACEAE

126. *Basella alba* L., France, 2006 – KF-703

#### BETULACEAE

127. *Carpinus betulus* L. – PF-01  
128. *Corylus colurna* L. – PR-07

#### BRASSICACEAE

129. *Alyssum murale* Waldst. et Kit., Munich, Germany, 2004  
130. *Brassica campestris* f. *biennis* D.C., cv. Oriana, Ukraine, 2007 – KF-705  
131. *Bunias orientalis* L., cv. Olimpiiska, Ukraine, 2008 – KF-705  
132. *Bunias orientalis* L., cv. Zolotyinka, Ukraine, 1996 – KF-701  
133. *Camelina sativa* (L.) Crantz f. *annua*, cv. Yevro-12, Ukraine, 2012 – KF-705  
134. *Crambe cordifolia* Steven – PF-12  
135. *Crambe maritima* L. – PF-10  
136. *Draba tomentosa* Clairv., Warsaw, Poland, 2018  
137. *Eruca vesicaria* (L.) Cav., Kyiv, Ukraine, 2011 – KF-702  
138. *Fibigia clypeata* (L.) Medik. – PF-10  
139. *Hesperis matronalis* L. – PF-12  
140. *Isatis tinctoria* L., Kyiv, Ukraine, 1976 – KF-704  
141. *Isatis tinctoria* L., Ukraine, 1970 – KF-701  
142. *Isatis villarsii* Gaudin, Mykolaiv, Ukraine, 2015 – KF-704  
143. *Lepidium sativum* L., Kyiv, Ukraine, 1976 – KF-702  
144. *Lunaria rediviva* L. – PF-01  
145. *Neslia paniculata* (L.) Desv., Mainz, Germany, 2014 – KF-704  
146. *Pachyphragma macrophyllum* (Hoffm.) N. Busch – PF-12  
147. *Raphanus sativus* L. var. *oleiformis* Pers., cv. Kyianochka, Ukraine, 2012 – KF-705

#### BORAGINACEAE

148. *Alkanna orientalis* (L.) Boiss., Rennes, France, 2012 – KF-704  
149. *Cynoglossum officinale* L. – LR-01  
150. *Phacelia campanularia* A. Gray – KD-05

#### CAMPANULACEAE

151. *Platycodon grandiflorus* (Jacq.) A. DC. – KD-13

#### CAPRIFOLIACEAE

152. *Lonicera caerulea* subsp. *altaica* (Pall.) Gladkova – PF-14, Altai  
153. *Lonicera maackii* (Rupr.) Maxim. – PF-15, Primorsky Krai, Russia, 1949  
154. *Lonicera tatarica* L. – PF-13, Dzungarian Alatau, Kazakhstan, 1961; PF-14, Altai

#### CARYOPHYLLACEAE

155. *Dianthus deltoides* L., Chernivtsi, Ukraine, 2001  
156. *Gypsophila elegans* M. Bieb. cv. Schneeconigin, Szeged, Hungary, 2000 – KD-05  
157. *Silene chalcedonica* (L.) E. H. L. Krause 'Apricot', Lviv, Ukraine, 2009 – KD-05  
158. *Silene coronaria* (Desr.) Clairv. ex Rchb., Kyiv, Ukraine, 2004 – KD-05  
159. *Silene coronaria* (Desr.) Clairv. ex Rchb. 'Alba', Antwerp, Belgium, 2007 – KD-05

160. *Silene gallica* L. – KD-05
161. *Silene hypanica* Klok. – PF-11
162. *Silene viscaria* (L.) Jess., Berlin, Germany, 2002 – KD-13
163. *Vaccaria hispanica* (Mill) Rauschert cv. *Grandiflora*, Szeged, Hungary, 2000 – KD-05

#### CELASTRACEAE

164. *Euonymus europaeus* L. – PF-09

#### CLEOMACEAE

165. *Cleome spinosa* Jack. cv. *Alba* – KD-05

#### COLCHICACEAE

166. *Colchicum autumnale* L. – PF-11

#### CONVOLVULACEAE

167. *Ipomoea hederacea* (L.) Jacq., Leipzig, Germany, 2001 – KD-05
168. *Ipomoea indica* (Burm.) Merrill., Krefeld, Germany, 2002 – KD-05
169. *Ipomoea nil* (L.) Roth cv. *Milky Way*, Breigleingen, Switzerland, 2002 – KD-05
170. *Ipomoea purpurea* (L.) Roth, Gemblux, Belgium, 2004 – KD-05
171. *Ipomoea purpurea* (L.) Roth cv. *Feringa* – KD-05
172. *Ipomoea tricolor* Cav., Klermond-Ferrand, France, 2000 – KD-05
173. *Ipomoea tricolor* Cav. cv. *Heverli Blue* – KD-05

#### CORNACEAE

174. *Cornus cousa* Nakai. – PR-07
175. *Cornus officinalis* Sieb. et Zucc. – PR-07

#### CRASSULACEAE

176. *Rhodiola linearifolia* (Royle) Fu, Kyiv, Ukraine, 1998 – KF-702

#### CUCURBITACEAE

177. *Momordica balsamina* L., Germany, 2009 – KF-703

#### CUPRESSACEAE

178. *Chamaecyparis lawsoniana* (A. Murray bis) Parl. – DN-01, Arboretum Wageningen, Netherlands, 1948
179. *Chamaecyparis pisifera* (Siebold & Zucc.) Endl.– DN-01, Trostianets, Ukraine, 1955
180. *Juniperus communis* L. – PF-14, Altai
181. *Juniperus sabina* L. – PF-13, Trans-Ili Alatau, Kazakhstan, 1961
182. *Juniperus scopulorum* Sarg. – DN-01, Dacota, USA, 1949
183. *Juniperus virginiana* L. – DN-01, Germany; 1947, Nebraska, USA, 1949
184. *Metasequoia glyptostroboides* Hu et Cheng. – DN-02
185. *Platicladus orientalis* (L.) Franco – DN-01
186. *Thuja occidentalis* L. – DN-01, Germany, 1947
187. *Thuja plicata* D.Don. – DN-01, Trostianets, Ukraine, 1952, 1954

#### CYPERACEAE

188. *Cyperus esculentus* L., cv. *Faraon*, Ukraine, 2009 – KF-703
189. *Cyperus esculentus* L., cv. *Faraon-FKO*, Ukraine, 2004 – KF-705



#### DATISCAECEAE

190. *Datisca cannabina* L., Rennes, France, 2012 – KF-704

#### DIPSACACEAE

191. *Cephalaria syriaca* Schrad., Kiel, Germany, XX-0-KIEL-19852093-70-100, 2018 – KF-704

#### EBENACEAE

192. *Diospyros virginiana* L. – PR-07

#### EUPHORBIACEAE

193. *Euphorbia lathyris* L., Mykolaiv, Ukraine, 2005 – KF-704  
194. *Ricinus communis* L. – KD-05

#### FABACEAE

195. *Astragalus galegiformis* L., Russia, 1973 – KF-701  
196. *Baptisia australis* (L.) R.Br., Russia, 1978 – KF-701  
197. *Desmodium canadense* DC., Russia, 1968 – KF-701  
198. *Galega orientalis* Lam. – PF-12  
199. *Galega orientalis* Lam., cv. Kavkazkyi branets, Ukraine, 1996 – KF-701  
200. *Genista tinctoria* L., Dresden, Germany, 2012 – KF-704  
201. *Glycyrrhiza glabra* L., Ukraine, 1988 – KF-701  
202. *Indigofera heterantha* Brandis, London, United Kingdom, 2011 – KF-704  
203. *Lablab purpureus* (L.) Sweet, Austria, 1993 – KF-701  
204. *Lathyrus latifolius* L. – KD-13  
205. *Lathyrus sylvestris* L. × *L. latifolius* L., cv. Popeliuschka, Ukraine, 1998 – KF-701  
206. *Onobrychis arenaria* (Kit.) DC., Ukraine, 1969 – KF-701  
207. *Onobrychis grandis* Lip., Russia, 1960 – KF-701  
208. *Phaseolus coccineus* L. – KD-05  
209. *Spartium junceum* L., Kiel, Germany, 2012 – KF-704  
210. *Trigonella caerulea* (L.) Ser., Riga, Latvia, 1987 – KF-702

#### FAGACEAE

211. *Fagus orientalis* Lipsky – PF-12  
212. *Quercus macranthera* Fisch. & C.A.Mey. ex Hohen. – PF-12

#### GERANIACEAE

213. *Geranium phaeum* L. – PF-09

#### GINKGOACEAE

214. *Ginkgo biloba* L. – DN-01, Bucharest, 1957

#### HYPERIACEAE

215. *Hypericum orientale* L., Bratislava, Slovakia, 2002 – KD-13

#### IRIDACEAE

216. *Crocus heuffelianus* Herb. – PF-11  
217. *Crocus speciosus* M.Bieb. – PF-11  
218. *Iris domestica* (L.) Goldblatt & Mabb. – KD-13  
219. *Iris pseudacorus* L. – PF-11  
220. *Iris sibirica* L. – PF-11

## JUGLANDACEAE

221. *Juglans ailantifolia* Carrière – PR-07
222. *Juglans ailantifolia* var. *cordiformis* (Makino) Rehder – PR-07
223. *Juglans cinerea* L. – PR-07
224. *Juglans mandshurica* Maxim. – PR-07
225. *Juglans nigra* L. – PR-07
226. *Juglans regia* L. – PR-07
227. *Juglans regia* L. f. *fertilllis* Petzet Kirch. – PR-07

## LAMIACEAE

228. *Agastache foeniculum* (Pursh) Kuntze, cv. *Leleka*, Kyiv, Ukraine, 1997 – KF-702
229. *Agastache foeniculum* (Pursh) Kuntze, cv. *Synii veleten*, Kyiv, Ukraine, 1999 – KF-702
230. *Agastache mexicana* (Kunth) Lint et Epling, Russia, 2014 – KF-707
231. *Agastache rugosa* (Fisch. & C. A. Mey.) Kuntze, Bulgaria, 2014 – KF-707
232. *Agastache scrophularifolia* (Willd.) Kuntze, Russia, 2014 – KF-707
233. *Agastache urticifolia* (Benth.) Kuntze, cv. *Weide Kerze*, Germany, 2013 – KF-707
234. *Betonica officinalis* L. – LR-01
235. *Clinopodium multicaule* (Maxim.) Kuntze, Nantes, France, 2017 – KF-702
236. *Clinopodium nepeta* (L.) Kuntze, Lisboa, Portugal, 1964 – KF-702
237. *Dracocephalum nutans* L., Russia, 2017 – KF-707
238. *Elsholtzia ciliata* (Thunb.) Hyl., Nova Kakhovka, Ukraine, 2005 – KF-702
239. *Hyssopus angustifolius* M.B., Pyatigorsk, Russia, 2002 – KF-702
240. *Hyssopus officinalis* L. cv. *Atlant*, Kyiv, Ukraine, 1999 – KF-702
241. *Hyssopus officinalis* L. cv. *Markiz*, Kyiv, Ukraine, 2001 – KF-702
242. *Hyssopus officinalis* L. cv. *Vodohrai*, Kyiv, Ukraine, 2009 – KF-702
243. *Hyssopus seravschanicus* (Dubj.) Pazij, Hungary, 2018 – KF-707
244. *Lallemantia iberica* (M.Bieb.) Fisch. & C.A.Mey., Czech Republic, 2003 – KF-704
245. *Lallemantia peltata* (L.) Fisch. & C.A.Mey., Bratislava, Slovakia, 2016 – KF-704
246. *Lavandula angustifolia* Mill., Wisley, England, 2004 – KF-702
247. *Lavandula angustifolia* Mill. f. *bilo-kvitkova*, Kyiv, Ukraine, 2008 – KF-702
248. *Leonotis nepetifolia* (L.) R.Br., France, 2018 – KF-707
249. *Marrubium incanum* Desr., Tartu, Estonia, 2007 – KF-702
250. *Marrubium peregrinum* L. – PF-10
251. *Marrubium vulgare* L., Beresotocha, Ukraine, 2007 – KF-702
252. *Melissa officinalis* L. – LR-01
253. *Melissa officinalis* L., Dresden, Germany, 1956 – KF-702
254. *Mentha longifolia* Huds., Azerbaijan, 2012 – KF-707
255. *Micromeria graeca* (L.) Benth. ex Rchb., Amsterdam, Netherlands, 2015 – KF-702
256. *Micromeria serpyllifolia* (M.Bieb.) Boiss, Kyiv, Ukraine, 1979 – KF-702
257. *Monarda bradburiana* Beck, Münster, Germany, 1986 – KF-702
258. *Monarda didyma* L., Irpin, Ukraine, 1954 – KF-702
259. *Monarda fistulosa* L., Montreal, Canada, 2006 – KF-702
260. *Nepeta argolica* Bory et Chaub., Switzerland, 2007 – KF-707
261. *Nepeta cataria* L. var. *citriodora* Dum, cv. *Melodiia*, Kyiv, Ukraine, 1999 – KF-702

262. *Nepeta cataria* L., cv. Kentavr, Russia, 2008 – KF-707
263. *Nepeta cataria* L., Ukraine, 2006 – KF-707
264. *Nepeta distans* Royle, Germany, 2007 – KF-707
265. *Nepeta elliptica* Royle ex Benth., Wroclaw, Poland, 2012 – KF-702
266. *Nepeta grandiflora* M.Bieb., Belgium, 2007 – KF-707
267. *Nepeta italica* L., Budapest, Hungary, 1964 – KF-702
268. *Nepeta melissifolia* Lam., Poland, 2009 – KF-707
269. *Nepeta mussinii* Spreng.ex Henckel – KF-707
270. *Nepeta mussinii* Spreng.ex Henckel, cv. Posviata Meisu, Ukraine, 2016 – KF-707
271. *Nepeta nuda* L., Poland, 2010 – KF-707
272. *Nepeta parnassica* Heldr. & Sart., England, 2007 – KF-707
273. *Nepeta sibirica* L., cv. Charoita, Ukraine, 2013 – KF-707
274. *Nepeta transcaucasica* Grossh., Kishinev, Moldova, 1964 – KF-702
275. *Nepeta transcaucasica* Grossh., Ukraine, 2006
276. *Ocimum basilicum* L. var. *piperita*, France, 2014
277. *Ocimum tenuiflorum* L., France, 2014
278. *Origanum vulgare* L, Dippe-Quedlinburg, Germany, 1946 – KF-702
279. *Origanum vulgare* L. cv. *Rosea*, Prague, Czech Republic, 2003 – KF-702
280. *Phlomis herba-venti* subsp. *pungens* (Willd.) Maire ex DeFilipps – PF-10
281. *Phlomis tuberosa* (L.) Moench – LR-01
282. *Pycnanthemum virginianum* (L.) T. Durand & B.D. Jacks. ex B.L. Rob & Fernald, Czech, 2014
283. *Salvia aethiopsis* L., Kishinev, Moldova, 1973 – KF-702
284. *Salvia atropatana* Bunge – KD-13
285. *Salvia bucharica* Popov, Leipzig, Germany, 2008 – KF-702
286. *Salvia cadmica* Boiss. – KD-13
287. *Salvia deserta* Schangin, Germany, 2012
288. *Salvia fruticosa* Mill., Poland, 2017
289. *Salvia glutinosa* L. – PF-09
290. *Salvia hispanica* L., Halle-Wittenberg, Germany, 2013 – KF-704
291. *Salvia nemorosa* L., Kishinev, Moldova, 1973 – KF-702
292. *Salvia nemorosa* L. cv. *Rosakenigin*, Essen, Germany, 2008 – KF-702
293. *Salvia officinalis* L., Simferopol, Ukraine, 2004 – KF-702
294. *Salvia officinalis* subsp. *lavandulifolia* (Vahl) Gams, Germany, 2013
295. *Salvia patens* Cav., Brno, Czech Republic, 2001 – KF-702
296. *Salvia scabiosifolia* Lam. – PF-10
297. *Salvia sclarea* L., cv. *Kardynal*, Kyiv, Ukraine, 2004 – KF-702
298. *Salvia sclarea* L., Ukraine, 2014
299. *Salvia sclarea* var. *turkestanica* Mottet., Trieste, Italy, 2009 – KF-702
300. *Salvia taraxacifolia* Coss. & Balansa – KD-13
301. *Salvia tomentosa* Mill. – PF-10
302. *Salvia transsylvanica* (Schur ex Griseb. et Schenk) Schur, Czech Republic, 2014
303. *Salvia verbenaca* L., Latvia, 2014
304. *Salvia verticillata* L., Simferopol, Ukraine, 2008 – KF-702
305. *Satureja montana* L., Kyiv, Ukraine, 1976 – KF-702
306. *Scutellaria baicalensis* Georgi. – LR-01
307. *Scutellaria zhongdianensis*, Germany, 2015
308. *Sideritis hyssopifolia* L., Poland, 2016

## LILIACEAE

309. *Fritillaria grandiflora* Grossh. – PF-12

## LINACEAE

310. *Linum austriacum* L. Kyiv, Ukraine, 2004 – KF-704  
311. *Linum grandiflorum* Desf., Kyiv, Ukraine, 2004 – KF-704  
312. *Linum usitatissimum* L., Kryvyi Rig, Ukraine, 2003 – KD-05

## MAGNOLIACEAE

313. *Magnolia acuminata* (L.) L. – DN-10  
314. *Magnolia obovata* Thunb. – DN-10  
315. *Magnolia kobus* DC. – DN-10  
316. *Magnolia* × *loebneri* Kache – DN-10  
317. *Magnolia salicifolia* (Siebold & Zucc.) Maxim. – DN-10  
318. *Magnolia* × *soulangiana* Soul.-Bod. – DN-10

## MALVACEAE

319. *Alcea nudiflora* (Lindl.) Boiss. – PF-13, Kopet Dag, 1961  
320. *Hibiscus esculentus* L., Turkmenistan, 1961 – KF-703  
321. *Lavatera thuringiaca* L., Ukraine, 1990 – KF-705  
322. *Malope trifida* Cav. Cv. Rosea – KD-05  
323. *Malva crispa* L., cv. Rada, Ukraine, 2003 – KF-705  
324. *Malva sylvestris* L., Ukraine, 1987 – KF-705  
325. *Malva verticillata* L., Ukraine, 2009 – KF-701  
326. *Sida hermaphrodita* (L.) Rusby., Russia, 1946 – KF-701  
327. *Tilia sibirica* Bayer – PF-14, Altai

## MELANTHIACEAE

328. *Veratrum nigrum* L. – PF-11

## OLEACEAE

329. *Chionanthus virginicus* L., Germany, Saxony, 1947; Ukraine, Kyiv, 2000 – DN-08  
330. *Syringa amurensis* Rupr., The Far East (Dalekyy Skhid), 1949 – DN-08  
331. *Syringa faurieri* Lev., China, 2008 – DN-08  
332. *Syringa pekinensis* Rupr., Poland, Kournik, 1978 – DN-08  
333. *Syringa pubescens* Turcz., China, Pekin, 1950 – DN-08

## ONAGRACEAE

334. *Oenothera biennis* L., Czech Republic, 2002 – KF-704

## ORCHIDACEAE

335. *Dactylorhiza majalis* (Rchb.) P.F.Hunt & Summerh. – PF-11  
336. *Epipactis palustris* (L.) Crantz – PF-11

## PAEONIACEAE

337. *Paeonia daurica* subsp. *Coriifolia* (Rupr.) D.Y.Hong – PF-12

## PAPAVERACEAE

338. *Dicranostigma franchetianum* (Prain) Fedde, France, 2006 – KD-05; KD-06  
339. *Dicranostigma leptopodum* (Maxim.) Fedde – KD-05  
340. *Eschscholzia californica* Cham. Cv. Carmin King – KD-05

341. *Eschscholzia californica* Cham. Cv. Orang King – KD-05
342. *Eschscholzia lobii* Greene – KD-06
343. *Glaucium corniculatum* (L.) Curtis, Dijon, France, 2016 – KD-06
344. *Glaucium flavum* Crantz – KD-06
345. *Glaucium oxylobum* Boiss. & Buhse, Czech Republic, 2017 – KD-06
346. *Glaucium squamigerum* Kar. & Kir., Germany, Dresden, 2001 – KD-06
347. *Hunnemannia fumariifolia* Sweet – KD-06
348. *Papaver atlanticum* Coss. – KD-06
349. *Papaver bracteatum* Lindl. – KD-06
350. *Papaver fugax* Poir. – KD-06
351. *Papaver glaucum* Boiss. And Hausskn., Canada, 2002 – KD-06
352. *Papaver nudicaule* L. – KD-06
353. *Papaver orientale* L. Leipzig, Germany, 2003– KD-06
354. *Papaver rhoeas* L. Cv. Dabl mix – KD-05

#### PINACEAE

355. *Larix sibirica* Ledeb. – PF-14, Altai

#### PLANTAGINACEAE

356. *Antirrhinum majus* L. – KD-05
357. *Digitalis lanata* Ehrh. Cv. Sultsanka – LR-01
358. *Misopates orontium* (L.) Raf. – KD-05
359. *Penstemon digitalis* Nutt. Ex Sims 'Purpurea' – KD-13
360. *Penstemon hirsutus* (L.) Willd. Var. *Pygmaeus* R.W. Benn., Brno, Czech Republic, 2004 – KD-13
361. *Penstemon hirsutus* (L.) Willd., Brno, Czech Republic, 2008 – KD-13
362. *Penstemon serrulatus* Menzies ex Sm., Dnipro, Ukraine, 2002 – KD-13
363. *Plantago lanceolata* L. – LR-01
364. *Plantago psyllium* L. – LR-01

#### PORTULACACEAE

365. *Portulaca grandiflora* Hook., Kursk, Russia, 2008 – KD-05
366. *Portulaca oleracea* L., Moldova, 1959 – KF-703

#### POACEAE

367. *Agrostis tenuis* Sibth., cv. Desnianska 51, Ukraine, 1993 – KF-706
368. *Briza maxima* L., Ukraine, 2008 – KD-05
369. *Briza media* L., Finland, 2002 – KD-05
370. *Deschampsia caespitosa* (L.) P. Beauv., Iceland, 1986 – KD-05
371. *Eleusine coracana* (L.) Gaertn., cv. Tropikanka, Ukraine, 2001 – KF-701
372. *Festuca glauca* Vill., Ukraine, 1994 – KD-05
373. *Festuca rubra* L., cv. Syretska, Ukraine, 2004 – KF-706
374. *Festuca rubra* L., cv. Yanka, Ukraine, 2004 – KF-706
375. *Festuca rubra* L., cv. Ahata, Ukraine, 2004 – KF-706
376. *Festuca rubra* L., cv. Bohdanka, Ukraine, 2010 – KF-706
377. *Festuca ovina* L., cv. Zabava, Ukraine, 2004 – KF-706
378. *Hordeum bulbosum* L., Belarus, 1959 – KF-703
379. *Hordeum jubatum* L., Ukraine, 1994 – KD-05
380. *Leymus arenarius* (L.) Hochst., Minsk, Belarus, 2003 – KD-05
381. *Melica altissima* L. Cv. Alba, Ukraine, 2003 – KD-05
382. *Melica altissima* L. Cv. Atropurpurea, Ukraine, 2003 – KD-05

383. *Miscanthus sacchariflorus* (Maxim) Hackel., Primorsky Krai, Russia, 1959 – PF-15
384. *Panicum virgatum* L., cv. Zoriane, Ukraine, 2010 – KF-705
385. *Pennisetum alopecuroides* (L.) Spreng., Poland, 2005 – KD-05
386. *Sorghum almum* Parodi, cv. Kolumbo, Ukraine, 2008 – KF-705
387. *Sorghum saccharatum* (L.) Moench, cv. Botanichniy, Ukraine, 2010 – KF-705
388. *Sorghum saccharatum* (L.) Moench, Nantes, France, 1995 – KF-704
389. *Stipa tenacissima* L., Lublin, Poland, 2011 – KF-704
390. *Stipa zaleskii* Wilensky (S. *Ucrainica* P.A. Smirn.), Ukraine, 2002 – KD-05

#### POLEMONIACEAE

391. *Collomia grandiflora* Douglas ex Lindl., France, 2015

#### POLYGONACEAE

392. *Koenigia panjutinii* (Kharkev.) T.M.Schust. & Reveal – PF-12
393. *Rheum rhaponticum* L., Russia, 1959 – KF-703
394. *Rumex acetosa* L., Switzerland, 2002 – KF-703
395. *Rumex japonicus* Houtt., Russia, 1977 – KF-701
396. *Rumex patientia* L., Russia, 1961 – KF-701
397. *Rumex tianschanicus* Losinsk. – PF-13, Trans-Ili Alatau, Kazakhstan, 1961; Russia, 1974 – KF-701
398. *Rumex tuberosus* L., Germany, 1984 – KF-701
399. *Shchavnat* (*Rumex patientia* L. × *R. Tianschanicus* Losinsk.), cv. Nastavnyk, Ukraine, 2008 – KF-705

#### RANUNCULACEAE

400. *Aconitum carmichaelii* Debeaux, Kyiv, Ukraine, 2013 – KD-13
401. *Anemone canadensis* L., Toronto, Canada, 1988 – KD-13
402. *Aquilegia chrysantha* A.Gray – KD-13
403. *Aquilegia vulgaris* L. – KD-13
404. *Aquilegia vulgaris* L. 'Rubi Port' – KD-13
405. *Clematis brevicaudata* DC – PF-15, Primorsky Krai, Russia, 1953
406. *Clematis terniflora* var. *Manshurica* (Rupr.) Ohwi – PF-15, Vladivostok, Russia, 1957
407. *Delphinium schmalhauseni* Albov – PF-12
408. *Helleborus purpurascens* Waldst. & Kit. – PF-11
409. *Nigella arvensis* L., Mainz, Germany, 2002 – KF-702
410. *Nigella ciliaris* DC., Krefeld, Germany, 2001 – KF-702
411. *Nigella damascena* L., Cheshire, England, 1999 – KF-702
412. *Nigella hispanica* L. – KD-05
413. *Pulsatilla vulgaris* Mill., 'Dissecta' – KD-13
414. *Thalictrum minus* L. – KD-13

#### RHAMNACEAE

415. *Zizyphus jujuba* Mill. – PR-07

#### ROSACEAE

416. *Agrimonia eupatoria* L., Poland, 2009 – KF-704
417. *Aruncus dioicus* (Walter) Fernald – PF-09
418. *Cerasus tomentosa* (Thunb.) Wall. Ex T.T. Yu & C.L. Li – PF-15, Primorsky Krai, Russia, 1953
419. *Chaenomeles speciosa* (Sweet) Nakai cv. Chudovyy Ol'hy – PR-07

420. *Crataegus dsungarica* Zabel ex Lange – PF-13, Trans-Ili Alatau, Kazakhstan, 1961
421. *Crataegus monogyna* Jacq. – PF-09
422. *Crataegus pinnatifida* Bunge – PF-15
423. *Crataegus pinnatifida* var. Major N.E.Br. – PR-07
424. *Cydonia oblonga* Mill., hybr. – PR-07
425. *Drymocallis rupestris* (L.) Soják – KD-13
426. *Geum urbanum* L., Kyiv, Ukraine, 1976 – KF-702
427. *Malus baccata* (L.) Borkh. Cv. Pendula – PR-07
428. *Malus Niedzwetskiana* Dieck – PR-07
429. *Malus pumila* Mill. Cv. Evereste – PR-07
430. *Malus pumila* Mill. Cv. King Beauty – PR-07
431. *Mespilus germanica* L. – PR-07
432. *Pseudocydonia sinensis* (Dum.Cours.) C.K.Schneid. – PR-07
433. *Pyrus ussuriensis* Maxim. Ex Rupr. – PF-15
434. *Rosa canina* L. – PF-01, PF-08
435. *Rosa pendulina* L. – PF-09
436. *Rubus idaeus* L. – PF-14
437. *Rubus montanus* Lib. Ex Lej. – PF-09
438. *Sanguisorba minor* subsp. *Balearica* (Bourg. Ex Nyman) Muñoz Garm. & C.Navarro, Ukraine, 1974 – KF-701
439. *Sorbus alnifolia* (Siebold & Zucc.) K.Koch – PF-15
440. *Sorbus domestica* L. – PR-07
441. *Sorbus sibirica* Hedl. – PF-14, Altai
442. *Sorbus torminalis* (L.) Crantz. – PF-01

#### RUBIACEAE

443. *Rubia tinctorum* L – PF-13

#### RUTACEAE

444. *Dictamnus albus* L. – PF-12
445. *Phellodendron amurense* Rupr. – PF-15, Russia, Kedrovaya Pad, 1950
446. *Ruta corsica* DC., Russia, 2017
447. *Ruta graveolens* L., Heidelberg, Germany, 1997 – KF-702
448. *Ruta montana* (L.) L., Austria, 2015

#### SAPINDACEAE

449. *Acer campestre* L. – PF-01
450. *Acer mandshuricum* Maxim – PF-15, Russia, Kedrovaya Pad, 1952
451. *Acer pictum* Thunb. – PF-15, Primorsky Krai, Russia, 1950
452. *Acer platanoides* L. – PF-01
453. *Cardiospermum halicacabum* L., Bern, Switzerland, 2009 – KD-05

#### SCHISANDRACEAE

454. *Schisandra chinensis* (Turcz.) Baill., Russia, 1951– PR-08

#### SOLANACEAE

455. *Datura ferox* L., Lodz, Poland, 1999 – KD-05
456. *Datura innoxia* Mill., Tokyo, Japan, 2003 – KD-05
457. *Datura metel* L., Menton, France, 2009 – KD-05; LR-01
458. *Datura metel* L. Var. *Inermis* (Juss.) Hupka, Copenhagen, Dania, 1999 – KD-05

- 459. *Datura quercifolia* Kunth, Marneuil-sur-Seine, France, 2007 – KD-05
- 460. *Datura stramonium* L., Dresden, Germany, 2013 – KF-704
- 461. *Lycium barbarum* L., Kyiv, Ukraine, 2016 – PR-07
- 462. *Lycium chinense* Mill., Shenzhen, China, 2016 – PR-07
- 463. *Lycium truncatum* Y.C. Wang – PR-07
- 464. *Nicandra physalodes* (L.) Gaertn., Geneva, Switzerland, 1999 – KD-05
- 465. *Nicandra physalodes* (L.) Gaertn., Russia, 1976 – KF-701
- 466. *Nicotiana alata* Link. Et Otto – KD-05
- 467. *Nicotiana alata* Link. Et Otto cv. Jasmin Seantea – KD-05
- 468. *Petunia* × *hybrida* hort. Ex Vilm. Cv. Al'derman' – KD-05
- 469. *Petunia* × *hybrida* hort. Ex Vilm. Cv. Prism Sumsine – KD-05
- 470. *Petunia integrifolia* (Hook.) Schinz & Thell. – KD-05
- 471. *Physalis ixocarpa* Brot.ex. Hornem cv. Likhtaryk, Ukraine, 2003 – KF-703
- 472. *Physalis pubescens* L. Cv. Zharynka, Ukraine, 2003 – KF-703
- 473. *Scopolia carniolica* Jacq. – PF-09
- 474. *Scopolia carniolica* Jacq. Subsp. *Caucasica* – PF-12

#### TAXACEAE

- 475. *Taxus baccata* L. – PF-11;
- 476. *Taxus cuspidata* Sieb. et Zucc. – DN-01, Far East, 1955; PF-15, Hualaza, Russia, 1951

#### THYMELAEACEAE

- 477. *Daphne mezereum* L. – PF-11

#### VALERIANACEAE

- 478. *Valeriana officinalis* L. – LR-01

#### URTICACEAE

- 479. *Urtica cannabina* L., Russia, 1986 – KF-701

#### VERBENACEAE

- 480. *Glandularia aristigera* (S.Moore) Tronc. – KD-05
- 481. *Glandularia canadensis* (L.) Small, Stuttgart, Germany, 2001 – KD-05
- 482. *Vitex agnus-castus* L., Rostok, Germany, 1989 – KF-702
- 483. *Vitex negundo* L. var. *cannabifolia*, cv. Komandor, Kyiv, Ukraine, 2017 – KF-702
- 484. *Vitex negundo* L., Crimea, Ukraine, 1993 – KF-702

Plant nomenclature is mainly based on:

The Plant List (2013). Version 1.1. Published on the Internet;

<http://www.theplantlist.org/>

POWO (2019). Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://www.plantsoftheworldonline.org/> Retrieved 15 March 2021.



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