

LATVIJAS REPUBLIKAS VIDES AIZSARDZĪBAS UN REĢIONĀLĀS ATTĪSTĪBAS MINISTRIJA

NACIONĀLAIS BOTĀNISKAIS DĀRZS

MINISTRY OF THE ENVIRONMENTAL PROTECTION AND REGIONAL DEVELOPMENT OF THE
REPUBLIC OF LATVIA
NATIONAL BOTANIC GARDEN



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HORTUS BOTANICUS NATIONALIS
SALASPILS, LATVIA

pro mutua
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LXIII

Elaboraverunt / Sastādītāji
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**SEMINA PLANTARUM IN HORTO
BOTANICO CULTARUM**

I

**SEMINA ARBORUM, FRUTICUM
ET SUFFRUTICUM**

Legunt: Anita Roze, Romans Strelčuns

PINOPHYTA

GNETOPSIDA

EPHEDRACEAE

1. *Ephedra distachya* L. (DE, Düsseldorf, HBU, 1997)

PINOPSIDA

PINACEAE

2. *Abies arizonica* Merriam (LV, distr. Dobeles, Kevele, 1973)
3. *Abies balsamea* (L.) Mill. (LV, Salaspils, HB Nat, 1977)
4. *Abies balsamea* (L.) Mill. (US, South Hadley, HB College, 1995: mt. Moosilauke, New Hampshire*)
5. *Abies cephalonica* Loudon (PL, Gołuchów, Arb, 1961)
6. *Abies cephalonica* Loudon (CZ, Slepčany, Arb Mlyňany, 1962)
7. *Abies cilicica* (Antoine & Kotschy) Carrière (PL, Gołuchów, Arb, 1961)
8. *Abies concolor* (Gordon & Glend.) Lindl. ex Hildebr. (LV, distr. Cēsis, Vaive, Arb Jurģukalns, 1984)
9. *Abies fraseri* (Pursh) Poir. (US, Washington, Nat Arb, 1983: North Carolina*)
10. *Abies grandis* (Douglas ex D. Don) Lindl. (CA, Vancouver, HBU, 1962: B.C., Southern Interior*)
11. *Abies grandis* (Douglas ex D. Don) Lindl. (US, Washington, Nat Arb, 1983: Washington*)
12. *Abies holophylla* Maxim. (HU, Sopron, HBU Silv, 1962)
13. *Abies holophylla* Maxim. (RU, Oriens Extremus, prov. Primorskij, Glubokoje*, 1983)
14. *Abies holophylla* Maxim. (RU, Ussurijsk, St Mont Taig, 1980)
15. *Abies holophylla* Maxim. (RU, Vladivostock, HBA, 1982: pars. reserv.*)
16. *Abies homolepis* Siebold & Zucc. (DE, Chemnitz, HB, 1980)

Parentesibus loca et annua introductionis plantarum notata sunt

* - *plantae spontaneae*

** - *pars vivae*

17. *Abies koreana* E.H.Wilson (BE, Liège, HBU, 1988)
18. *Abies koreana* E.H.Wilson (LV, Salaspils, HB Nat, 1977: Kórník, Arb, 1959)
19. *Abies lasiocarpa* (Hook.) Nutt. var. *lasiocarpa* (FI, Maisala, I Explor Silv, 1986: US, Or. Waseo Co*, s.m. 1525-1650m)
20. *Abies lasiocarpa* (Hook.) Nutt. var. *lasiocarpa* (US, Washington, Nat Arb, 1978: Union Co, Oregon*)
21. *Abies lasiocarpa* (Hook.) Nutt. var. *arizonica* (Merriam) Lemmon (LV, distr. Talsi, Stende, MIM, 1984)
22. *Abies nephrolepis* (Trautv.) Maxim. (RU, Oriens Extremus, prov. Primorskij, Hualaza ad riv. Smoljannyj*, 1982)
23. *Abies* × *phanerolepis* Fernald (LV, distr. Liepāja, Kazdanga, 1959)
24. *Abies sachalinensis* (F.Schmidt) Mast. (LV, Salaspils, HB Nat: C.W.Schoch, 1868)
25. *Abies sachalinensis* (F.Schmidt) Mast. (RU, Oriens Extremus, ins. Sachalin, Ohotskoje*, 1980)
26. *Abies sachalinensis* (F.Schmidt) Mast. var. *mayriana* Miyabe & Kudo (RU, Oriens Extremus, ins. Sachalin*, 1961)
27. *Abies semenovii* B.Fedtsch. (LT, Vaišvydava, Arb Dubrava, 1985)
28. *Abies sibirica* Ledeb. (RU, Barnaul, I Invest Horticult Sib, 1976)
29. *Abies sibirica* Ledeb. (RU, Barnaul, HBU Altaiensis, 1988: prov. Altaj, Bijsk praedium silvaticum industriale*)
30. *Abies veitchii* Lindl. (JP, Koshigaya, Arb Aritaki, 1975)
31. *Abies veitchii* Lindl. (LV, distr. Dobeles, Tērvete, Arb Sprīdīši, 1959)
32. *Abies veitchii* Lindl. f. *olivacea* (Shiras.) Kusaka (LV, distr. Madona, Jaunkalsnava, Arb Kalsnava, 1988: Arb Jurģukalns, 1981)
33. *Picea brachytyla* (Franch.) Pritz. var. *complanata* (Mast.) W.C.Cheng. (SK, Bratislava, HBU, 1991)
34. *Picea gemmata* Rehder & E.H.Wilson (RU, St-Peterburg, HBIB, 1991)
35. *Picea glauca* (Moench) Voss (CA, Montréal, HB, 1982)
36. *Picea glauca* (Moench) Voss var. *albertiana* (S.Brown) Sarg. (GB, Surrey, Helman von Hahn, 1993)
37. *Picea jezoensis* (Siebold & Zucc.) Carrière (CZ, Slepčany, Arb Mlyňany, 1959)
38. *Picea koraiensis* Nakai (RU, Oriens Extremus, prov. Primorskij, in vicinis Okeanskaja*, 1961)
39. *Picea koraiensis* Nakai var. *intercedens* Y.L.Chou (KP, Pyongyang, HB, 1986)
40. *Picea maximoviczii* Regel ex Mast. (CZ, Průhonice, I Horticult Orn, 1989)
41. *Picea rubens* Sarg. (CA, Montréal, HB, 1983: Canada Orientalis*)
42. *Picea sitchensis* (Bong.) Carrière (LV, distr. Madona, Jaunkalsnava, Arb Kalsnava: Arb Jurģukalns, 1980)
43. *Pinus armandii* Franch. (CZ, Slepčany, Arb Mlyňany, 2000)
44. *Pinus koraiensis* Siebold & Zucc. (RU, Oriens Extremus, prov. Primorskij, distr. Hassanensis, Reserv. Kedrovaja Padj*, 1983)
45. *Pinus parviflora* 'Glaucā' (CZ, Průhonice, I Horticult Orn, 1988)

46. *Pinus peuce* Griseb. (LV, distr. Cēsis, Vaive, Arb Jurgūkalns, 1966)
47. *Pinus ponderosa* Douglas ex P.C.Lawson (FI, Maisala, I Explor Silv, 1987: US, Oregon, Deshutes Co., Deshutes Nat. Forest, Pringle Falls, s.m. 1370m)
48. *Pinus rigida* Mill. (CA, Montréal, HB, 1991: Canada Orientalis)
49. *Pinus sibirica* Du Tour (RU, reg. Krasnojarsk, praedium saltuarium Kazaczinskij*, A.V.Hodenkov, 1989)
50. *Pinus strobus* L. (LV, distr. Preiļi, Gelenova, 1983)
51. *Pinus wallichiana* A.B.Jacks. (HR, Zagreb, HBU, 1962)
52. *Pseudotsuga menziesii* (Mirb.) Franco var. *menziesii* (LV, Salaspils, HB Nat.)
53. *Tsuga canadensis* (L.) Carrière (LV, distr. Bauska, Stelpe, "Timuki", 1955)
54. *Tsuga caroliniana* Engelm. (PL, Rogów, Arb, 1991)
55. *Tsuga heterophylla* (Raf.) Sarg. (CA, Vancouver, HBU, 1979)

TAXACEAE

56. *Taxus caespitosa* Nakai (KP, Pyongyang, HB, 1978)
57. *Taxus cuspidata* Siebold & Zucc. (RU, Sachalin, Krasnojarskoje*, 1978)
58. *Taxus cuspidata* Siebold & Zucc. (KP, Pyongyang, HB, 1977)

MAGNOLIOPHYTA

ACERACEAE

59. *Acer miyabei* Maxim. (DE, Dresden, HBTU, 1964)
60. *Acer palmatum* Thunb. *subsp. amoenum* (Carrière) H.Hara (JP, Tokyo, HBU, 1960)
61. *Acer pensylvanicum* L. (RU, Chabarovsk, Arb DalNIILH, 1961)
62. *Acer sieboldianum* Miq. (BY, Minsk, HBU, 1973)

ACTINIDIACEAE

63. *Actinidia kolomikta* (Maxim. & Rupr.) Maxim. (RU, Oriens Extremus, prov. Primorskij, Kamenushka, in ripa fl. Suputinka*, 1960)

ANACARDIACEAE

64. *Cotinus obovatus* Raf. (DE, Berlin, Arb Berolin, 1977)

AQUIFOLIACEAE

65. *Ilex verticillata* (L.) A.Gray (US, Downers Grove, N.O.Virkau: Northern Wisconsin*, 1995)
66. *Ilex verticillata* (L.) A.Gray (US, Northampton, HB Smith College, 1964)

ARALIACEAE

67. *Eleutherococcus divaricatus* (Siebold & Zucc.) S.Y.Hu (PL, Kórnik, Arb, 1961)
68. *Eleutherococcus sessiliflorus* (Rupr. & Maxim.) S.Y.Hu (RU, Ussurijsk, St Mont Taig, 1961)

BERBERIDACEAE

- 69. *Mahonia aquifolium* (Pursh) Nutt. (LV, Salaspils, HB Nat, 1956)
- 70. *Mahonia aquifolium* (Pursh) Nutt. × *Mahonia repens* G. Don (CZ, Průhonice, HBA, 1960)

BETULACEAE

- 71. *Betula apoiensis* Nakai (SE, Lund, HBU, 1992)
- 72. *Betula humilis* Schrank (LV, distr. Aizpute, Kazdanga, 1964)
- 73. *Betula papyrifera* Marshall (RU, Peterburg, HBA Silv-T, 1961)
- 74. *Betula populifolia* Marshall (CA, Guelph, Arb U, 1978: Guelph–Hamilton – Niagara area, Ontario*)
- 75. *Betula raddeana* Trautv. (UA, Kyiv, HBA, 1957)
- 76. *Betula tatewakiana* M. Ohki & S. Watan. (JP, Sapporo, HBU, 1980)

CAPRIFOLIACEAE

- 77. *Diervilla lonicera* Mill. (CA, e Montréal, HB: Canada Orientalis*, 1972)
- 78. *Diervilla sessilifolia* Buckley (PL, Kraków, H Plant Med, 1980)
- 79. *Lonicera alpigena* L. (AT, Salzburg, HBU: Gaisberg*, 2009)
- 80. *Sambucus sibirica* Nakai (RU, Ufa, HBA, 2016)

CELASTRACEAE

- 81. *Euonymus sacrosanctus* Koidz. (RU, Oriens Extremus, in prov. Primorskij, Reserv. Kedrovaja Padj*, 1983)
- 82. *Euonymus sieboldianus* Blume var. *nikoensis* (Nakai) Ohwi (JP, Tokyo, HBU: Koishikawa in vicinity of Mt. Fuji and Hakone*, 1977)
- 83. *Celastrus flagellaris* Rupr. (LV, Salaspils, HB Nat, 2005)
- 84. *Celastrus orbiculatus* Thunb. (LV, Salaspils, HB Nat)

CORNACEAE

- 85. *Cornus alba* L. (LV, Salaspils, HB Nat, 1964)

ERICACEAE

- 86. *Lyonia ligustrina* (L.) DC. (AT, Wien, HBU, 1975)
- 87. *Rhododendron prinophyllum* (Small) Millais (US, Mentor, Holden Arb, 1986)
- 88. *Rhododendron vaseyi* A. Gray (CA, Vancouver, HBU, 1956)

FABACEAE

- 89. *Amorpha fruticosa* L. (RU, Mosqua, HBP, 1957)
- 90. *Cladrastis kentukea* (Dum. Cours.) Rudd (US, Dimondale, 1964)
- 91. *Colutea gracilis* Freyn & Sint. ex Freyn (PL, Bydgoszcz, HB, 2007)
- 92. *Colutea istria* Mill. (UA, Chernovtsy, HBU, 1982)
- 93. *Colutea* × *media* Willd. (DE, Jena, HBU, 1960)
- 94. *Maackia amurensis* Rupr. & Maxim. (RU, Oriens Extremus, Svobodnij, St Expl Silv Amurensis, 1961)

FAGACEAE

- 95. *Castanea pumila* (L.) Mill. (LV, Salaspils, 2007: US, Rochester Monroe Co, 1981)

HAMAMELIDACEAE

96. *Fothergilla gardenii* L. (DE, Frankfurt am M., Palmengarten, 2006)
97. *Fothergilla major* (Sims) Lodd. (SI, Ljubljana, HBU, 1998)

MAGNOLIACEAE

98. *Magnolia kobus* DC. (LV, Salaspils, HB Nat: LV, Jaunkalsnava, Arb Kalsnava, 1993)
99. *Magnolia kobus* DC. var. *borealis* Sarg. (UA, Kyiv, HBU, 1983)
100. *Magnolia kobus* DC. var. *borealis* Sarg. (RO, Târgu Mureş, HBU, 1977)
101. *Magnolia stellata* (Siebold & Zucc.) Maxim. (LV, Salaspils, HB Nat, 2008)
102. *Magnolia stellata* (Siebold & Zucc.) Maxim. (RU, Kaliningrad, HBU, 1977)
103. *Magnolia stellata* 'Rosea' (LV, Salaspils, HB Nat, 2008)
104. *Magnolia* × *loebneri* 'Leonard Messel' (LV, Salaspils, HB Nat, 2008)

RHAMNACEAE

105. *Ceanothus americanus* L. (AT, Wien, HBU, 1999)

ROSACEAE

106. *Acaena argentea* Ruiz & Pav. (IT, Bormio, H Alp "Rezia", 2009)
107. *Cerasus maximowiczii* (Rupr.) Kom. (RU, Oriens Extremus, ins. Kurilenses, Iturup, Kurilsk*, 1977)
108. *Cotoneaster integerrimus* Medik. (CH, Chambésy / Genève, HB, 2013)
109. *Cydonia oblonga* Mill. (LV, Dobeles, Labor. Select, 1965)
110. *Exochorda korolkowii* Lavallée (RU, Dniepropetrovsk, HB, 1983)
111. *Photinia parvifolia* (Pritz.) C.K.Schneid. (US, Cincinnati, Mt. Airy Forest et Arb, 1962)
112. *Photinia villosa* (Thunb.) DC. (PL, Kórnik, Arb, 1961)
113. *Photinia villosa* (Thunb.) DC. (PL, Kraków, HBU, 1969)
114. *Prunus stepposa* Kotov (RU, Jalta, HB Nikitensis, 1976)
115. *Rhodotypos scandens* (Thunb.) Makino (LV, Rīga, HBU, 2003)

RUBIACEAE

116. *Cephalanthus occidentalis* L. (US, East Lansing, HBU Mich: MI, Midland county*, 2005)

RUTACEAE

117. *Phellodendron amurense* Rupr. var. *lavalleyi* (Dode) Sprague (RU, Meszczerskoje, St Exper Select Silv-Stepp, 1969)
118. *Ptelea trifoliata* L. (LV, Salaspils, HB Nat, 2006)
119. *Ruta graveolens* L. (HU, Budapest, HBU, 1980)

SCHISANDRACEAE

120. *Schisandra chinensis* (Turcz.) Baill. (RU, Oriens Extremus, prov. Primorskij, Vladivostok, Shamora*, 1983)

SOLANACEAE

121. *Lycium barbarum* L. (PL, Poznań, H Med A, 1966)

STAPHYLEACEAE

122. *Staphylea pinnata* L. (RU, Kaliningrad, HBU, 1964)

STYRACACEAE

123. *Halesia carolina* L. (LV, Salaspils, 2007: US, Northampton, HB Smith Coll, 1980)

THYMELAEACEAE

124. *Daphne mezereum* 'Album' (SE, Göttingen, HB, 2012)

VITACEAE

125. *Ampelopsis aconitifolia* Bunge (LV, Salaspils, HB Nat)
126. *Ampelopsis brevipedunculata* (Maxim.) Trautv. (RO, Simeria, Arb, 1998)
127. *Parthenocissus tricuspidata* (Siebold & Zucc.) Planch. (LV, Salaspils "Dadzīši", 1985)

II

SEMINA PLANTARUM HERBACEARUM

Legunt: Irēna Gūtmane,
Arnīs Seisums, Dagnija Šmite

MAGNOLIOPHYTA

ACANTHACEAE

128. *Acanthus hungaricus* Baen. (BK, Sarajevo, HB, 1983)

ALLIACEAE

129. *Allium akaka* S.G.Gmel. ex Schult. & Shult. fil. (IR, ad occidentem ab oppido Arak*, 2016)
130. *Allium baissunense* Lipsky (UZ, Pamir-Alai australibus, jugum Baissuntau, prope pagum Pulhakim*, 1998)
131. *Allium bodeanum* Regel (IR, Tehran, NB Nat, 2011)
132. *Allium bourgeau* Rech. fil. *subsp. cycladicum* Bothmer (GR, Icaria, inter Armenistis et Raches*, 2008)
133. *Allium circinatum* Sieber (GB, Kew, HB, 1995: GR, Creta, ab Akrotiri orientalibus*)
134. *Allium cristophii* Trautv. (LV, Rīga, HBU, 1985)
135. *Allium cristophii* Trautv. (TM, Kopetdag, prope pagum Chuli*, 1989)
136. *Allium cupuliferum* Regel (UZ, ad trajectum Timurlan Gate*, 1996)
137. *Allium derderianum* Regel (IR, Elburs, inter Damgan et Semnan, prope pagum Fullad Mahalle*, 2016)
138. *Allium flavum* L. (CZ, Praha, E.Hanslik, 2000: e MK, Mt. Pilister*)

139. *Allium hollandicum* R.M.Fritsch 'Purple Sensation' (NL, De Ree, Holland, 2015)
140. *Allium hyalinum* Curran (UK, Kew, HB, 1995: US, California, Tulare Co, e Porterville orientabilibus*)
141. *Allium karataviense* Regel (UZ, jugum Tschatkalicum, prope oppidum Angren*, 1995)
142. *Allium karataviense* Regel 'Ivory Queen' (NL, Florex, 2013)
143. *Allium karataviense* Regel *subsp. henrikii* Ruksans (UZ, Tianshan Occidentalis, jugum Korzhantau, in valle Tovoksai*, 1996)
144. *Allium loratum* Baker (PK, prope urbem Lorolei*, 1980)
145. *Allium moly* L. 'Jeannine'
146. *Allium nigrum* L. (GR, Creta, Lasithi*, 2016)
147. *Allium platycaule* S.Watson (SE, Göteborg, HB, 1994: US, Oregon*)
148. *Allium sibthorpiatum* Schult. & Schult. fil. (TR, Bursa, mons Uludag*, 2200m, 2011)
149. *Allium trautvetterianum* Regel (TJ, Darvas, prope pagum Iol*, 1990)
150. *Allium tripedale* Trautv. (AM, mons Aragats, Kasag Rallei*, 1988)
151. *Allium unifolium* Kellogg 'Eros' (NL, W. de Goede, 2006)
152. *Calloscordum neriniflorum* Herb. (AT, Graz, HBU, 2013)
153. *Gethyum atropurpureum* Phil. (GB, Kew, HB, 1995)
154. *Gilliesia graminea* Lindl. (GB, Kew, HB, 1995)
155. *Ipheion uniflorum* (Graham) Raf. 'Alberto Castillio' (GB, Wisley, RHS, 1995)
156. *Leucocoryne coquimbensis* F.Phil. (GB, Wales, 'Bryn Collen', J. & J.Archibald, 2004)
157. *Leucocoryne purpurea* Gay (GB, Wales, 'Bryn Collen', J. & J.Archibald, 2004)

AMARYLLIDACEAE

158. *Narcissus bulbocodium* L. *subsp. obessus* (Salisb.) Maire (PT, prope Sintra*, 1992)
159. *Pancratium maritimum* L. (PT, prope Cabo da Roca*, 2015)

APIACEAE

160. *Astrantia major* L. (LV, distr. Dobeles, Tērvete, ad ripam fl. Tērvete*, 1983)

APOCYNACEAE

161. *Amsonia hubrichtii* Woodson
162. *Amsonia tabernaemontana* Walter (AT, Wien, H Alp im Belvedere, 1977)

ASCLEPIADACEAE

163. *Asclepias tuberosa* L. (LV, distr Ventspils, Pope, "Bērziņi", 2010)

ASPHODELACEAE

164. *Eremurus fuscus* (O.Fedtsch.) Vved. (KG, prope urbem Bishkek, mons Paspeldik*, 2008)
165. *Eremurus robustus* Regel (LV, Tukums, M.Feldmane, 2007)

ASTERACEAE

166. *Ligularia fischeri* (Ledeb.) Turcz. (RU, Mosqua, HBP, 1976)
167. *Ligularia macrophylla* (Ledeb.) DC.
168. *Ligularia sachalinensis* Nakai
169. *Ligularia sibirica* (L.) Cass. var. *kaialpina* (Kitam.) Kitam. (RU, Vladivostok, HBA, 1975)

BERBERIDACEAE

170. *Podophyllum hexandrum* Royle (DE, Kiel, HBU, 1988)

BIGNONIACEAE

171. *Incarvillea olgae* Regel (DE, Rabenau, Alp Kleinburgh, 2004)

BORAGINACEAE

172. *Lithospermum officinale* L.

CAMPANULACEAE

173. *Campanula carpatica* Jacq. (HU, Budapest, Hardy Plant Soc, 2015)
174. *Campanula carpatica* Jacq. 'Alba' (HU, Budapest, Hardy Plant Soc, 2015)

CARYOPHYLLACEAE

175. *Silene pusilla* Waldst. & Kit. (DE, Braunschweig, HBU, 2014)
176. *Silene schafta* S.G.Gmel. ex Hohen. (DE, Dresden, HBTU, 2004)
177. *Silene uniflora* Roth (HU, Budapest, Hardy Plant Soc, 2015)
178. *Silene zawadskii* Herbich (DE, Braunschweig, HBTU, 2014)

COLCHICACEAE

179. *Colchicum autumnale* L. (UA, in montibus Karpati*, 1962)
180. *Colchicum szovitsii* Fisch. & C.A.Mey. (AM, prope Vardaovit*, 1990)
181. *Colchicum szovitsii* Fisch. & C.A.Mey. (AZ, Nakhitschevan, jugum Zangezuricum, prope pagum Tivi*, 1987)

FABACEAE

182. *Baptista australis* (L.) R.Br. (GB, Wisley, RHS Gard, 1976)
183. *Trifolium fragiferum* L. (LV, Rīga, Vecdaugava, in collibus arenosis maritimis*, 1983)

HEMEROCALLIDACEAE

184. *Hemerocallis esculenta* Koidz. (RU, Mosqua, HBU, 1969: Oriens Extremus, ins. Sachalin, pars australis*)

HYACINTHACEAE

185. *Bellevalia pycnantha* (K.Koch) Losinsk. (TR, Erzurum, Erzurum-lhat*, 2004)
186. *Camassia fraseri* Torr.
187. *Muscari anatolicum* Cowley & Özhatay (TR, Isparta, near Egirdir* 2007)

188. *Muscari armeniacum* Baker 'Heaven' (SE, Göteborg, HB, 2009: RU, distr. Krasnodarsk, prope Galendzhik*)
189. *Muscari aucheri* Baker 'Mount Hood' (NL, C.H. van den Berg B.V., 2009)
190. *Muscari azureum* Fenzl
191. *Muscari caucasicum* (Griseb.) Baker (AM, ad septentriones urbem Megri*, 2009)
192. *Muscari caucasicum* (Griseb.) Baker (AM, mons Aragats*, 2009)
193. *Muscari latifolium* J.Kirk (TR, mons Kazdag*, 2002)
194. *Muscari pallens* (M.Bieb.) Fisch. (LV, J.Rukšāns, 1990: RU, Osethia, prope pagum Holst*)
195. *Muscari sintenisii* Freyn (TR, distr. Kastamonu, Ilgaz Dagi*, 2011)
196. *Muscari tenuiflorum* Tausch (TR, ad occidentem ab opido Rafahye*, 2004)
197. *Ornithogalum nutans* L. (TR, inter Elmali et Seki*, 2005)
198. *Scilla persica* Hausskn. (GB, Wales, 'Bryn Collen', J. & J.Archibald, 2004: IR, Sanandaj*)
199. *Scilla verna* Huds. (DE, Würzburg, HBU, 1980: ES, Catalonia*)

IRIDACEAE

200. *Crocus tournefortii* J.Gay (GR, Cyclades, ins. Amorgos*, 2008)
201. *Gladiolus imbricatus* L. (LV, Salaspils, HB Nat: LV*)
202. *Iris bucharica* Foster (TJ, jugum Hissaricum, ad urbem Duschanbe*, 1991)
203. *Iris montana* Nutt. ex Dukes (IT, Pallanza, HB Villa Taranto, 1970)
204. *Iris sintenisii* Janka (SE, Uppsala, HBU, 1973)
205. *Iris stolonifera* Maxim. (UZ, Pamir-Alai australibus, montes Chulbair, prope pagum Sina*, 1998)

LAMIACEAE

206. *Phlomis russeliana* (Sims) Benth. (LV, Rīga, HBU, 2008)
207. *Prunella grandiflora* (L.) Scoller (LV, distr. Koknese, in ripa fl. Daugava prope "Radzes"*, 2012)

LILIACEAE

208. *Fritillaria acmopetala* Boiss. (NL, Van Tubergen, Haarlem, 1980)
209. *Fritillaria camschatcensis* (L.) Ker Gawl. (RU, Oriens Extremus, ins. Sachalin, prope oppidulum Tomari*, 1988)
210. *Fritillaria caucasica* Adams (AM, mons Aragats*, 1989)
211. *Fritillaria eduardii* Regel (TJ, jugum Hissaricum, in valle fl. Harangon*, 1990)
212. *Fritillaria kotschyana* Herb. (IR, jugum Elbursense, "Siabishe"*, 1998)
213. *Fritillaria michailovskyi* Fomin (TR, Agri Prov, Tenderek Gecidi*, 2004)
214. *Fritillaria pallidiflora* Schrenk (EE, Tallinn, HBA, 1994: KZ, Dzhungaria Alatau*)
215. *Fritillaria raddeana* Regel (IR, Golestan, Golestan Forest*, 1998)
216. *Tulipa sprengeri* Baker

PAEONIACEAE

217. *Paeonia humilis* Retz. (SE, Uppsala, HBU, 1972: Turkey)

PRIMULACEAE

218. *Primula ruprechtii* Kusn. ex Lipsky (AM, mons Majmech*, 2009)

ROSACEAE

219. *Geum hispidum* Fr. (LV, distr. Brocēni, Remte*, 2015)

RUBIACEAE

220. *Galium tinctorium* (L.) Scop. (LV, distr. Pļaviņas, Klintaine*, 2012)

SAXIFRAGACEAE

221. *Saxifraga paniculata* Mill.

SCROPHULARIACEAE

222. *Veronica charadzeae* Kem.-Nath. (DE, Jena, HBU, 1979)

223. *Veronica gentianoides* Vahl 'Latifolia' (PL, Łodz, H Med, 1966)

TRICYRTIDACEAE

224. *Tricyrtis* sp. (CN, Shaanhi, Quin Ling Mts.*)

III

PARTIS VIVAE ET SEMINA PLANTARUM IN CALDARIIS CULTAE

Legit: Zane Purne

AGAVACEAE

225. *Agave striata* Zucc.

ALOEACEAE

226. ***Aloe variegata* L. (PT, Lisboa, I Agr Super, 2012)

AMARANTHACEAE

227. *Pleuropetalum darwinii* Hook. fil. (CZ, Opava, Arb Nový Dvůr, 2015)

ARISTOLOCHIACEAE

228. *Aristolochia gracilis* Duch. (DE, Ulm, HBU, 2014)

229. *Aristolochia littoralis* Parodi (DE, Ulm, HBU, 2014)

230. *Aristolochia littoralis* Parodi (PL, Warszawa, HBU, 1998)

231. *Aristolochia inflata* Kunth. (FR, Menton, HB Exot, 2013)

232. *Aristolochia inflata* Kunth. (HU, Budapest, H Plant Soc, 2011)

233. *Aristolochia triloba* Salisb. (DE, Erlangen, HBU, 2004)

ASCLEPIADACEAE

234. ***Ceropegia dichotoma* Haw. (EE, Tallinn, HBA, 1976)

235. ***Ceropegia sandersonii* Decne. ex Hook. fil. (EE, Tallinn, HBA, 1976)

236. ** *Sarcostemma viminale* R.Br. (GH, Legon, HBU, 1967)

ASPARAGACEAE

237. *Asparagus scoparius* Lowe (DE, Rostock, HB, 2004)

ASTERACEAE

238. ** *Senecio articulatus* (L.fil) Sch. Bip. (RU, Mosqua, HBU Agr, 1987)

239. ** *Senecio citrifolius* Rowley (BE, Liège, HBU, 1984)

240. ** *Senecio herreianus* Dinter (LV, Rīga, HBU, 1957)

241. ** *Senecio jacobsenii* Rowley (EE, Tallinn, HBA, 1966)

242. ** *Senecio medley-woodii* Hutch. (EE, Tallinn, HBA, 1988)

243. ** *Senecio rowleyanus* Jacobsen (EE, Tallinn, HBA, 1976)

244. ** *Senecio serpens* Rowley (LV, Rīga, HBU, 1957)

245. ** *Senecio stapeliaeformis* Phillips (DE, Dresden, HBTU, 1980)

246. ** *Senecio tropaeolifolius* MacOwan (EE, Tallinn, HBA, 1988)

BASELLACEAE

247. *Basella alba* L. 'Rubra'

CACTACEAE

248. ** *Harrisia bonplandii* (Parm.) Britton & Rose (DE, Tübingen, HBU, 1997)

249. ** *Harrisia martini* (Labour.) Britton & Rose (CH, Zürich, Städt Sukkul, 2000)

250. ** *Harrisia pomanensis* (F.A.C.Weber ex K.Schum.) Britton & Rose (AR, Bynnon, 2003)

251. ** *Harrisia quelichii* (Speg.) Britton & Rose (DE, Tübingen, HBU, 1997)

252. ** *Rhipsalis aureziana* (NO, Bergen, HBU, 1981)

253. ** *Rhipsalis cassutha* Gaertn. (EE, Tallinn, HBA, 1979)

254. ** *Rhipsalis cereuscula* Haw. (DE, Karlsruhe, HBU, 1962)

255. ** *Rhipsalis clavata* F.A.C.Weber (IT, Trana, HB REA, 1986)

256. ** *Rhipsalis cribrata* Lem. (DE, Berlin, Arb Berolin, 1996)

257. ** *Rhipsalis hadrosoma* G.Lindb. (FR, Dijon, HB, 1988)

258. ** *Rhipsalis heptagona* Rauh & Backeb.

259. ** *Rhipsalis heteroclada* Britton & Rose (DE, Berlin, Arb Berolin, 1996)

260. ** *Rhipsalis lumbricoides* (Lem.) Lem. (DE, Wilhelmshaven, HB, 1988)

261. ** *Rhipsalis pachyptera* Pfeiff. (NO, Bergen, HBU, 1973)

262. ** *Rhipsalis penduliflora* N.E.Br. (IT, Trana, HB REA, 1986)

263. ** *Rhipsalis platycarpa* Lem. (NO, Bergen, HBU, 1981)

264. ** *Rhipsalis roseana* A.Berger (DE, Karlsruhe, HBU, 1980)

265. ** *Rhipsalis teres* (Vell.) Steud. (LV, Rīga, HBU, 1958)

CANNACEAE

266. *Canna occidentalis* Roscoe ex Ker Gawl. (NL, Leiden, HBU, 2005)

COMMELINACEAE

267. ***Callisia elegans* Alexander ex H.E.Moore (PL, Lodz, HB, 2015)
268. ***Callisia fragrans* (Lind.) Woodson
269. ***Cyanotis somaliensis* C.B.Clarke (UA, Kiyv, HBA, 1989)
270. ***Tradescantia sillamontana* Matuda (DE, Berlin, Arb Berlin, 2002)

CRASSULACEAE

271. ***Aeonium castello-paivae* Bolle (EE, Tallinn, HBA, 1989)
272. ***Aeonium ciliatum* Webb & Berthel. (DE, Krefeld, HB, 2012)
273. ***Aeonium decorum* Webb ex Bolle (DE, Erlangen, HBU, 1984)
274. ***Aeonium lindleyi* Webb & Berthel. (DE, Berlin-Dahlem, HB, 1963)
275. ***Aeonium tortuosum* (Aiton) Berger (EE, Tallinn, HBA, 1963)
276. ***Cotyledon tomentosa* Harv. (CH, Zürich, Stadt Sukkulentsammlung, 1987)
277. ***Crassula arborescens* (Mill.) Willd. (BE, Gent, HBU, 1963)
278. ***Crassula lactea* Sol. ex Aiton (DE, Karlsruhe, HBU, 1962)
279. ***Crassula lycopodioides* Lam. var. *lycopodioides* (LV, Rīga, HBU, 1958)
280. ***Crassula lycopodioides* Lam. var. *pseudolycopodioides* (Dinter & Schinz) E.Walther f. *fragilis* J.A.Huber (NL, Wageningen, I Horticult, 1971)
281. ***Crassula lycopodioides* Lam. var. *purpusii* Jacobsen (DE, Duisburg, HB, 1963)
282. ***Crassula lycopodioides* Lam. var. *variegata* Lamb (HU, Vácrátót, HBA, 1966)
283. ***Crassula lycopodioides* Lam. var. *viridis* Berger (BE, Antwerpen, HB, 1962)
284. ***Crassula lycopodioides* 'Monstrosa' (DE, Duisburg, HB, 1963)
285. ***Crassula multicava* Lem. (RO, Cluj-Napoca, HBU Agr, 1967)
286. ***Crassula nealiana* V.Higgins (NL, Wageningen, I Horticult, 1971)
287. ***Crassula obliqua* Sol. ex Aiton (LV, Rīga, HBU, 1958)
288. ***Crassula ovata* 'Gollum'
289. ***Crassula ovata* 'Tricolor'
290. ***Crassula perforata* Thunb. (DE, München, HB, 1974)
291. ***Crassula perforata* 'Giant Pagoda' (NL, Wageningen, I Horticult, 1971)
292. ***Crassula portulacea* Lam. (LV, Rīga, HBU, 1958)
293. ***Crassula portulacea* 'Blue Bird' (NL, Wageningen, I Horticult, 1971)
294. ***Crassula rattrayi* Schönland & Baker fil. (EE, Tallinn, HBA, 1963)
295. ***Crassula rupestris* Thunb. (FI, Turku, HBU, 1962)
296. ***Crassula sarmentosa* Harv. (LV, Rīga, HBU, 1966)
297. ***Crassula spathulata* Thunb. (LV, Rīga, HBU, 1963)
298. ***Crassula tetragona* L. (RU, Mosqua, HBP, 1963)
299. ***Crassula* 'Tom Thumb' (selection of *C. brevifolia* x *C. marnierana*) (NL, Wageningen, I Horticult, 1972)
300. ** x *Cremneria scaphylla* (Deleuil ex Morren) Moran (LV, Rīga, HBU, 1968)
301. ***Echeveria bifida* Schlecht. (LV, Rīga, HBU, 1968)

302. ***Echeveria derenbergii* J.A.Purpus (DE, Berlin-Dahlem, HB, 1963)
303. ***Echeveria sedoides* E.Walther (BE, Liège, HBU, 1982)
304. **× *Graptoveria* 'Calva' (NL, Rotterdam, HZB, 1972)
305. **× *Graptoveria* 'Gilva' (LV, Salaspils, HB Nat, 1995)
306. **× *Graptoveria* 'Titubans' (NL, Rotterdam, HZB, 1972)
307. ***Kalanchoë daigremontiana* Raym.-Hamet & H.Perrier
308. ***Kalanchoë manginii* Raym.-Hamet & J.O.E.Perrier (CH, Basel, HBU, 1978)
309. ***Kalanchoë pinnata* (Lam.) Pers. (NL, Rotterdam, HZB, 1997)
310. ***Monanthes amydros* Svent. (EE, Tallinn, HBA, 1979)
311. ***Monanthes anagensis* Praeger (BE, Gent, HBU, 1975)
312. ***Monanthes polyphylla* Haw. (LV, Rīga, HBU, 1958)
313. ***Pachyphytum hookeri* (Salm-Dyck) Berger (RU, St-Peterburg, HBIB, 1968)
314. **× *Pachysedum* sp. (BE, Liège, HBU, 1983)
315. ***Sedum allantoides* Rose (LV, Rīga, HBU, 1961)
316. ***Sedum burrito* Moran (PL, Wrocław, HBU, 2001)
317. ***Sedum clavifolium* Rose (BE, Liège, HBU, 1983)
318. ***Sedum dasyphyllum* L. (LV, Rīga, HBU, 1958)
319. ***Sedum dendroideum* Moç. & Sessé ex DC. subsp. *praealtum* (A.DC.) R.T.Clausen (LV, Rīga, HBU, 1958)
320. ***Sedum furfuraceum* Moran (NL, Wageningen, I Horticult, 1979)
321. ***Sedum griseum* Praeger (SE, Stockholm, HB, 1964)
322. ***Sedum luteoviride* T.B.Clausen (BE, Liège, HBU, 1981)
323. ***Sedum mexicanum* Britton (EE, Tallinn, HBA, 1963)
324. ***Sedum moranense* Humb., Bonpl. & Kunth subsp. *moranense*
325. ***Sedum moranense* Humb., Bonpl. & Kunth subsp. *grandiflorum* R.T.Clausen (NL, Wageningen, I Horticult, 1972)
326. ***Sedum morganianum* E.Walther (LV, Rīga, HBU, 1964)
327. ***Sedum nussbaumerianum* Bitter (LV, Rīga, HBU, 1958)
328. ***Sedum oaxacanum* Rose (NL, Wageningen, I Horticult, 1971)
329. ***Sedum pachyphyllum* Rose (LV, Rīga, HBU, 1958)
330. ***Sedum palmatum* (HU, Pecs, HBU, 1977)
331. ***Sedum palmeri* S.Watson (LV, Rīga, HBU, 1958)
332. ***Sedum rubrotinctum* R.T.Clausen (LV, Rīga, HBU, 1958)
333. ***Sedum rubrotinctum* 'Aurora' (UA, Kyiv, HBU, 1983)
334. ***Sedum stahlia* Solms (IT, Modena, HBU, 1962)
335. ***Sedum treleasei* Rose (RU, Mosqua, HBP, 1963)
336. ***Sinocrassula densirosulata* A.Berger (HU, Szeged, HBU, 2006)
337. ***Sinocrassula yunnanensis* (Franch.) A.Berger (DE, Tübingen, HBU, 2011)
338. ***Villadia batesii* (Hemsl.) Baehni & J.F.Macbr. (DE, Göttingen, HBU, 1970)
339. ***Villadia imbricata* Rose (DE, Göttingen, HBU, 1970)

DRACAENACEAE

340. ***Sansevieria cylindrica* Bojer ex Hook. (PL, Warszawa, HBU, 1975)
341. ***Sansevieria grandis* Hook. fil. (EE, Tallinn, HBA, 1966)

342. ***Sansevieria trifasciata* Prain (LV, Rīga, HBU, 1957)
 343. ***Sansevieria trifasciata* 'Golden Hahnii'
 344. ***Sansevieria trifasciata* 'Hahnii'
 345. ***Sansevieria trifasciata* 'Silver Cloud' (EE, Tallinn, HBA, 1988)

EUPHORBIACEAE

346. *Phyllanthus grandifolius* L. (PL, Wrocław, HBU, 2004)

HYACINTHACEAE

347. *Bowiea kilimandsharica* Mildbr. (CH, Basel, HBU, 1975)

LAMIACEAE

348. ***Plectranthus prostratus* Guerke (NL, Gent, HBU, 1972)

VITACEAE

349. ***Cissus tuberosa* Moç. & Sessé ex DC. (LV, Rīga, HBU, 1986)

SEMINA PLANTARUM IN DIVERSIS LOCIS LATVIENSIS COLLECTA.

1. Legit: **Aivars Līrums** in distr. Madona, Jaunkalsnava, "Krustadārzs"

350. *Acer barbinerve* Maxim.
 351. *Acer cappadocicum* Glend.
 352. *Amorpha fruticosa* L.
 353. *Arisaema flavum* (Forssk.) Schott
 354. *Arrisaema trifillum* (L.) Torr.
 355. *Betula alleghaniensis* Britton
 356. *Clematis recta* 'Purpurea'
 357. *Clematis tangutica* Korsh.
 358. *Eremurus fuscus* (O.Fedtsch.) Vved.
 359. *Eremurus robustus* (Regel) Regel
 360. *Forsythia ovata* Nakai
 361. *Laburnum alpinum* (Mill.) Bercht. & J.Presl
 362. *Lavatera thuringiaca* L.
 363. *Rhododendron canadense* (L.) Torr.
 364. *Rhododendron metternichii* Siebold & Zucc.
 365. *Thuja plicata* Donn ex D.Don
 366. *Veratrum nigrum* L.

2. Legit: **Ināra Bondare** in distr. Liepāja, Rucava, Arboretum

367. *Carpinus japonica* Blume
 368. *Betula ermanii* Cham.
 369. *Castanea sativa* Mill.
 370. *Ostrya carpinifolia* Scop.

371. *Calla palustris* L. (**Andrejs Svilāns**, LV, distr. Ropaži, ad lacum Dūņezers*)
372. *Lunaria rediviva* L. (**Aiva Bojāre**, LV, distr. Baldone, in ripa fl. Bērzene*)
373. *Prunus spinosa* L. (**Pēteris Evarts-Bunders**, LV, distr. Daugavpils, Skrudaliene, Ilgas*)
374. *Rosa majalis* Herrm. (**Andrejs Svilāns**, LV, distr. Limbaži, Tūja*)

Emendationes errorum in plantis determinatis animo grato accipiemus.

Comments concerning errors or omissions in the Seed List will be greatly appreciated.

Wir werden Ihnen für die Verbesserung der bei der Identifizierung der Pflanzen entstandenen Fehler sehr dankbar sein.

Būsīm pateicīgi par Jūsu norādēm uz kļūdām vai nepilnībām mūsu katalogā.

With your order, you accept the above conditions:

Agreement on the supply of living plant material by the National Botanic Garden of Latvia (NBG)

Since the Convention on Biological Diversity (Rio de Janeiro, 1992) entered into force it has become necessary for botanic gardens to comply in particular with Article 15 (Access to genetic resources), especially in connection with the exchange of plant material. Accordingly, the garden only passes on plant material under the condition that the user acts in the spirit of the Convention on Biological Diversity.

The NBG is dedicated to the conservation, sustainable use and research of biological diversity. With regard to the acquisition, maintenance and supply of plant material, the NBG therefore expects its partners to act in a manner that is consistent to the letter and the spirit of the Biodiversity Convention the Convention on International Trade in Endangered Species (CITES) and in compliance with all relevant conventions and laws relating to the protection of biological diversity.

Consequently, only those persons and institutions, who accept the following conditions will receive plant material from the NBG collection.

1. On the basis of this agreement, the material is intended to serve the common good, particularly scientific study, education and the interests of environmental protection.
2. Upon accepting plant material from the NBG, the recipient is obliged to document and preserve information relating to the material appropriately.
3. In the event that scientific publications on the plant material provided are produced, the origin of the material is to be cited. In addition, these publications are expected to be sent to the NBG automatically, without request.
4. Intended commercial use by the recipient is not covered by this agreement. The commercialization is the object of a separate agreement with the country of origin. This agreement underlies the provisions of the CBD, i. e., the user is obliged to share benefits with the country of origin and to forward relevant

information to the authority instructed with the implementation of the CBD.

5. The NBD will forward information on the material supply on request to the authority instructed with the implementation of the CBD.

6. Plant material may only be supplied on the basis and under the conditions of this or corresponding agreement.

You can send your requests by mail:

**Index Seminum
Hortus Botanicus Nationalis
LV-2169, Salaspils
Latvia**

or e-mail: anita.roze@nbd.gov.lv; <http://www.nbd.gov.lv>

Please send your requests before **March, 31th, 2019**.

Please write one number per box (not more than 25 items in one request).

✂-----

Index Seminum LXIII (63)

Your address :

Substituents:

Is a Phytosanitary Certificate necessary ?

YES

NO