

**МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РФ  
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ  
ОБРАЗОВАТЕЛЬНОЕ  
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ  
«ПОВОЛЖСКИЙ ГОСУДАРСТВЕННЫЙ ТЕХНОЛОГИЧЕСКИЙ  
УНИВЕРСИТЕТ»**

*Ботанический сад-институт*



**БОТАНИЧЕСКИЙ  
САД-ИНСТИТУТ ПТУ**

**INDEX SEMINUM,  
QUAE PRO MUTUA COMMUTATIONE OFFERT**

**№ 31**

**ЙОШКАР-ОЛА**

**2022**

## С ЗАЯВКАМИ ОБРАЩАЙТЕСЬ ПО АДРЕСУ:

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Семена, предлагаемые в этом списке, являются результатом от свободного опыления, поэтому видовая чистота не гарантируется.

Названия семейств, родов и видов растений выверены по:

- 1) World Flora Online [Электронный ресурс].- Режим доступа: <http://www.worldfloraonline.org>
- 2) Черепанов, С.К. Сосудистые растения России и сопредельных государств (в пределах бывшего СССР) / С.К. Черепанов. - СПб.: Мир и семья, 1995. – 992 с.

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## ХАРАКТЕРИСТИКА ТЕРРИТОРИИ РАСПОЛОЖЕНИЯ

Ботанический сад-институт расположен в юго-восточной части г. Йошкар-Олы с координатами 56°37' с.ш. и 47°46' в.д. Площадь составляет 73,8га.

По лесорастительному районированию С.Ф. Курнаева (1973), территория относится к лесной зоне, подзоне смешанных лесов с дубом. Высота над уровнем моря 100 м. Климат умеренно-континентальный. Среднегодовая температура воздуха +3,6°С, сумма осадков 450-500 мм, средняя продолжительность вегетационного периода 170 дней, периода без заморозков - 120 дней. Абсолютный минимум -44,6°С, максимум - +40,1°С. Самый поздний срок заморозков - 11 июня, самый ранний - 15 августа.

Почвы дерново-среднеподзолистые, среднесуглинистые на покровных суглинках.

## CHARACTERISTIC OF TERRITORY LOCATION

The Botanical Garden-institute is located in the south-east part of Yoshkar-Ola city.

Geographical coordinates:

latitude - 56°37' North

longitude - 47°46' East

altitude - 100 m.

Its area is 73,8 hectares.

The territory of the garden refers to the Forest zone, (subzone of the mixed woods with an oak). The climate is temperate and continental. Average annual temperature is +3,6°С, precipitation total is of 450-500 mm; average duration of the vegetative period is 170 days, the period without frosts - 120 days. The minimal temperature is -44,6°С, maximal temperature is +40,1°С. The latest term of frosts is on June, 11, the earliest one is on August, 15.

ОТКРЫТЫЙ ГРУНТ  
SUB COELO  
ДЕРЕВЬЯ И КУСТАРНИКИ  
ARBORES ET FRUTICES

\* - Семена 2021 г. сбора (seeds of 2021)

**PINOPHYTA**

**CUPRESSACEAE Gray**

1. *Thuja occidentalis* L.
2. *Juniperus chinensis* var. *sargentii* A. Henry
3. *Juniperus scopulorum* Sarg.\*

**PINACEAE Spreng. ex Rudolphi**

4. *Abies lasiocarpa* (Hook.) Nutt.\*
5. *Abies sibirica* Ledeb. \*
6. *Larix gmelinii* var. *principis-rupprechtii* (Mayr) Pilg.\*
7. *Picea jezoensis* (Siebold & Zucc.) Carrière\*
8. *Picea mariana* (Mill.) Britton, Sterns & Poggenb.
9. *Pinus banksiana* Lamb. \*
10. *Pinus koraiensis* Siebold & Zucc.
11. *Pinus mugo* Turra
12. *Pinus strobus* L.\*
13. *Pinus sylvestris* L. \*

**TAXACEAE Gray**

14. *Taxus canadensis* Marshall
15. *Taxus baccata* L.

**MAGNOLIOPHYTA**

**ACTINIDIACEAE Gilg & Werderm.**

16. *Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq.

**ADOXACEAE E.Mey.**

17. *Sambucus cerulea* Raf.
18. *Sambucus kamtschatica* E.L. Wolf
19. *Sambucus racemosa* L.
20. *Sambucus sibirica* Nakai
21. *Sambucus sieboldiana* (Miq.) Graebn.
22. *Viburnum lantana* L.
23. *Viburnum lentago* L.
24. *Viburnum opulus* L.
25. *Viburnum sargentii* Koehne

**ANACARDIACEAE R.Br.**

26. *Cotinus coggygria* Scop.

**ARALIACEAE Juss.**

27. *Eleutherococcus senticosus* (Rupr. et Maxim.) Maxim.
28. *Eleutherococcus sessiliflorus* (Rupr. et Maxim.) S.Y.Hu

**ARISTOLOCHIACEAE Juss.**

29. *Aristolochia macrophylla* Lam.

**BERBERIDACEAE Juss.**

30. *Berberis amurensis* Rupr.
31. *Berberis aquifolium* Pursh
32. *Berberis aristata* DC.
33. *Berberis canadensis* Mill.
34. *Berberis circumserrata* (C.K.Schneid.) C.K.Schneid.
35. *Berberis integerrima* Bunge\*
36. *Berberis* × *macracantha* Schrad.\*
37. *Berberis poiretii* C.K.Schneid.
38. *Berberis thunbergii* DC.
39. *Berberis vulgaris* L.

**BETULACEAE Gray**

40. *Alnus alnobetula* subsp. *fruticosa* (Rupr.) Raus\*
41. *Alnus incana* subsp. *rugosa* (Du Roi) R.T.Clausen\*
42. *Alnus mandshurica* (Callier) Hand.-Mazz\*.
43. *Betula alleghaniensis* Britton
44. *Betula humilis* Schrank
45. *Betula nana* L. \*

**BIGNONIACEAE Juss.**

46. *Catalpa bignonioides* Walter\*

**CAPRIFOLIACEAE Juss.**

47. *Diervilla sessilifolia* Buckley
48. *Diervilla rivularis* Gatt. \*
49. *Kolkwitzia amabilis* 'Pink Cloud'
50. *Lonicera alpigena* L.
51. *Lonicera* × *amoena* Zab.

52. *Lonicera caerulea* L. \*
53. *Lonicera caprifolium* L. \*
54. *Lonicera caucasica* subsp. *orientalis* (Lam.) D.F.Chamb. & D.G.Long
55. *Lonicera chrysantha* Turcz. ex Ledeb.\*
56. *Lonicera chrysantha* var. *koehneana* (Rehder) Q.E.Yang, Landrein, Borosova & Osborne
57. *Lonicera demissa* Rehder
58. *Lonicera dioica* L.
59. *Lonicera dioica* var. *glaucescens* (Rydb.) Butters
60. *Lonicera hirsuta* Eaton
61. *Lonicera involucrata* (Richardson) Banks ex Spreng.
62. *Lonicera involucrata* var. *ledebourii* (Eschsch.) Jeps.
63. *Lonicera korolkowii* Stapf
64. *Lonicera maackii* (Rupr.) Maxim.
65. *Lonicera maximowiczii* (Rupr.) Regel
66. *Lonicera nigra* L.
67. *Lonicera prolifera* (Kirchner) Booth ex Rehder
68. *Lonicera rupicola* var. *syringantha* (Maxim.) Zabel
69. *Lonicera stenantha* Pojark.
70. *Lonicera tatarica* L.
71. *Lonicera tatarica* var. *morrowii* (A. Gray) Q. E. Yang, Landrein, Borosova & J. Osborne
72. *Lonicera venulosa* subsp. *edulis* (Turcz. ex Herder) Vorosch.
73. *Symphoricarpos albus* (L.) S.F.Blake
74. *Weigela florida* (Bunge) A. DC.
75. *Weigela middendorffiana* C. Koch
76. *Weigela praecox* (Lemoine) Bailey

#### **CELASTRACEAE R.Br.**

77. *Celastrus orbiculatus* Thunb.
78. *Euonymus alatus* (Thunb.) Siebold
79. *Euonymus europaeus* L.
80. *Euonymus hamiltonianus* Wall.
81. *Euonymus macropterus* Rupr.
82. *Euonymus phellomanus* Loes. \*
83. *Euonymus verrucosus* Scop.
84. *Tripterygium wilfordii* Hook. f.

#### **CERCIDIPHYLLACEAE Engl.**

85. *Cercidiphyllum japonicum* Siebold et Zucc. ex J.J.Hoffm. et J.H.Schult. bis

#### **CORNACEAE Bercht. ex J.Presl**

86. *Cornus alba* L.
87. *Cornus sanguinea* L.

#### **ELAEAGNACEAE Juss.**

88. *Elaeagnus angustifolia* L.
89. *Elaeagnus commutata* Bernh. ex Rydb.

#### **ERICACEAE Juss.**

90. *Andromeda walteri* Willd.
91. *Calluna vulgaris* (L.) Hull\*
92. *Elliottia bracteata* (Maxim.) Benth. & Hook.f.\*
93. *Erica tetralix* L.
94. *Kalmia polifolia* Wangenh.
95. *Pieris floribunda* (D.Don) Benth. & Hook.f.
96. *Rhododendron arborescens* (Pursh) Torr.\*
97. *Rhododendron aureum* Georgi\*
98. *Rhododendron calendulaceum* (Michx.) Torr.\*
99. *Rhododendron camtschaticum* Pall.\*
100. *Rhododendron canadense* (L.) Torr.
101. *Rhododendron canadense* f. *albiflorum* (Rand. et Redf.) Rehd.
102. *Rhododendron catawbiense* Michx.
103. *Rhododendron eclectum* Balf.f. & Forrest
104. *Rhododendron ferrugineum* L.\*
105. *Rhododendron fortunei* Lindl.
106. *Rhododendron japonicum* (Blume) C.K.Schneid.
107. *Rhododendron* × *kosterianum* C.K.Schneid.\*
108. *Rhododendron ledebourii* Pojark.
109. *Rhododendron luteum* Sweet
110. *Rhododendron macrophyllum* D.Don ex G.Don
111. *Rhododendron maximum* L.
112. *Rhododendron mucronulatum* Turcz.
113. *Rhododendron mucronulatum* subsp. *sichotense* (Pojark.) A.P. Khokhr.
114. *Rhododendron occidentale* (Torr. & A.Gray) A.Gray
115. *Rhododendron prinophyllum* (Small) Millais\*
116. *Rhododendron schlippenbachii* Maxim.
117. *Rhododendron smirnowii* Trautv.
118. *Rhododendron yakushmanum* Nakai

**FABACEAE Juss.**

119. *Amorpha fruticosa* L.  
 120. *Caragana frutex* (L.) K. Koch  
 121. *Colutea arborescens* L.  
 122. *Genista tinctoria* L.\*  
 123. *Lembotropis nigricans* (L.) Griseb.\*  
 124. *Lespedeza bicolor* Turcz.  
 125. *Maackia amurensis* Rupr.\*  
 126. *Robinia pseudoacacia* L.

**FAGACEAE Dumort.**

127. *Quercus robur* L.\*  
 128. *Quercus rubra* L.

**GROSSULARIACEAE DC.**

129. *Ribes aureum* Pursh  
 130. *Ribes rubrum* L.  
 131. *Ribes urceolatum* Tausch

**HYDRANGEACEAE Dumort.**

132. *Deutzia parviflora* var. *amurensis*  
 Regel  
 133. *Hydrangea arborescens* L.  
 134. *Hydrangea bretschneideri* Dippel  
 135. *Philadelphus brachybotrys* Koehne  
 136. *Philadelphus coronarius* L.  
 137. *Philadelphus* × *lemoinei* Lemoine  
 138. *Philadelphus lewisii* Pursh  
 139. *Philadelphus microphyllus* A. Gray  
 140. *Philadelphus pubescens* Loisel.  
 141. *Philadelphus schrenkii* Rupr.  
 142. *Philadelphus subcanus* var.  
*magdalenae* (Koehne) S.Y. Hu  
 143. *Philadelphus tenuifolius* Rupr.

**HYPERICACEAE Juss.**

144. *Hypericum hookerianum* Wight & Arn.

**JUGLANDACEAE DC. ex Perleb**

145. *Juglans cinerea* L.\*  
 146. *Juglans mandshurica* Maxim.

**MAGNOLIACEAE Juss.**

147. *Magnolia kobus* DC.\*

**MALVACEAE Juss.**

148. *Tilia begoniifolia* Steven\*  
 149. *Tilia* × *europaea* L.\*  
 150. *Tilia platyphyllos* Scop.\*  
 151. *Tilia tomentosa* Moench\*

**OLEACEAE Hoffmanns. & Link**

152. *Fontanesia fortunei* Carriere\*  
 153. *Forsythia giraldiana* Lingelsh.  
 154. *Forsythia ovata* Nakai\*  
 155. *Ligustrum vulgare* L.  
 156. *Syringa* × *henryi* C. K. Schneid.  
 157. *Syringa josikaea* J.Jacq. ex Rchb.f.  
 158. *Syringa komarowii* C.K.Schneid.  
 159. *Syringa oblata* Lindl.  
 160. *Syringa pubescens* Turcz.\*  
 161. *Syringa pubescens* subsp. *patula*  
 (Palib.) M.C.Chang et X.L.Chen\*  
 162. *Syringa reticulata* (Blume) H.Hara\*  
 163. *Syringa reticulata* subsp. *amurensis*  
 (Rupr.) P.S.Green & M.C.Chang\*  
 164. *Syringa tomentella* Bureau et Franch.  
 165. *Syringa tomentella* subsp. *sweginzowii*  
 (Koehne & Lingelsh.) Jin Y.Chen &  
 D.Y.Hong  
 166. *Syringa tomentella* subsp. *yunnanensis*  
 (Franch.) Jin Y.Chen & D.Y.Hong  
 167. *Syringa villosa* Vahl  
 168. *Syringa villosa* subsp. *wolfii*  
 (C.K.Schneid.) Jin Y.Chen &  
 D.Y.Hong  
 169. *Syringa vulgaris* L.

**PHYLLANTHACEAE Martinov**

170. *Flueggea suffruticosa* (Pall.) Baill

**RANUNCULACEAE Juss.**

171. *Clematis alpina* 'Frances rivis'  
 172. *Clematis alpina* subsp. *sibirica* (L.)  
 Kuntze\*  
 173. *Clematis flammula* L.  
 174. *Clematis fusca* Turcz.  
 175. *Clematis glauca* Willd.  
 176. *Clematis integrifolia* L.  
 177. *Clematis orientalis* L. \*  
 178. *Clematis recta* 'Rubra'  
 179. *Clematis terniflora* var. *manshurica*  
 (Rupr.) Ohwi  
 180. *Clematis viticella* L.

**ROSACEAE Juss.**

181. *Aronia* × *prunifolia* (Marshall) Rehder  
 182. *Cerasus glandulosa* Kellogg  
 183. *Chaenomeles cathayensis* (Hemsl.)  
 C.K.Schneid.  
 184. *Chaenomeles japonica* (Thunb.) Lindl.  
 ex Spach  
 185. *Cotoneaster integerrimus* Medik.

186. *Cotoneaster lucidus* Schldl.  
187. *Cotoneaster multiflorus* Decne.  
188. *Cotoneaster racemiflorus* (Desf.)  
Booth ex Bosse  
189. *Crataegus arnoldiana* Sarg. \*  
190. *Crataegus chrysocarpa* Ashe\*  
191. *Crataegus macracantha* Lodd. ex  
Loudon\*  
192. *Crataegus pinnatifida* Bunge\*  
193. *Crataegus pringlei* Sarg.\*  
194. *Crataegus punctata* Jacq.\*  
195. *Crataegus punctata* f. *aurea* Aiton\*  
196. *Crataegus sanguinea* Pall.  
197. *Crataegus submollis* Sarg.  
198. *Cydonia oblonga* Mill.  
199. *Dasiphora fruticosa* (L.) Rydb.  
200. *Exochorda racemosa* (Lindl.) Rehder  
201. *Holodiscus discolor* (Pursh) Maxim.  
202. *Padus virginiana* (L.) Borkh.\*  
203. *Physocarpus opulifolius* var.  
*intermedius* (Rydb.) B.L.Rob.  
204. *Physocarpus ribesifolius* Kom.  
205. *Potentilla glabra* var. *mandshurica*  
(Maxim.) Hand.-Mazz.  
206. *Prinsepia sinensis* (Oliv.) Oliv. ex  
Bean  
207. *Prunus avium* (L.) L.\*  
208. *Prunus besseyi* L.H.Bailey\*  
209. *Prunus cerasifera* Ehrh.  
210. *Prunus fruticosa* Pall.  
211. *Prunus maackii* Rupr.  
212. *Prunus maximowiczii* Rupr.\*  
213. *Prunus pennsylvanica* L.f.  
214. *Prunus pumila* L.  
215. *Prunus sogdiana* Vassilcz.  
216. *Prunus spinosa* L.  
217. *Prunus tenella* Batsch  
218. *Prunus virginiana* L.\*  
219. *Pyrus caucasica* Fed.  
220. *Pyrus communis* L. \*  
221. *Pyrus ussuriensis* Maxim. ex Rupr.\*  
222. *Rosa glauca* Pourr.  
223. *Rosa majalis* Herrm.  
224. *Rosa pendulina* L.  
225. *Rosa rubiginosa* L.  
226. *Rosa rugosa* Thunb.  
227. *Rosa spinosissima* L.  
228. *Rosa tomentosa* Sm.  
229. *Rosa villosa* L.  
230. *Rosa webbiana* Wall. ex Royle  
231. *Rubus caesius* L.  
232. *Rubus crataegifolius* Bunge  
233. *Rubus deliciosus* Torr.  
234. *Rubus nessensis* W.Hall  
235. *Rubus odoratus* L.  
236. *Rubus parviflorus* Nutt.  
237. *Rubus rosifolius* Sm.  
238. *Sibiraea laevigata* (L.) Maxim.)  
239. *Sorbaria kirilowii* (Regel & Tiling)  
Maxim.\*  
240. *Sorbaria sorbifolia* 'Sem'  
241. ×*Sorbocotoneaster pozdnjakovii*  
Pojark.  
242. *Sorbus aria* (L.) Crantz \*  
243. *Sorbus aucuparia* L. \*  
244. *Sorbus rehderiana* Koehne  
245. *Spiraea alba* Du Roi  
246. *Spiraea alba* var. *latifolia* (Aiton)  
F.Seym.  
247. *Spiraea betulifolia* Pall.  
248. *Spiraea betulifolia* var. *corymbosa*  
(Raf.) Voss  
249. *Spiraea* × *bumalda* Burv.  
250. *Spiraea crenata* L.  
251. *Spiraea densiflora* Nutt. ex Rydb.  
252. *Spiraea douglasii* Hook.  
253. *Spiraea douglasii* subsp. *menziesii*  
(Hook.) Calder et R.L.Taylor  
254. *Spiraea* × *fontenaysii* Lebas  
255. *Spiraea fritschiana* C.K. Schneid.  
256. *Spiraea hypericifolia* L.  
257. *Spiraea japonica* L.f.  
258. *Spiraea japonica* f. *albiflora* (Miq.)  
Geerinck  
259. *Spiraea* × *lemoinei* Zabel  
260. *Spiraea longigemmis* Maxim.  
261. *Spiraea media* Schmidt  
262. *Spiraea nipponica* Maxim.  
263. *Spiraea* × *rosalba* Dippel  
264. *Spiraea rosthornii* E.Pritz.  
265. *Spiraea salicifolia* L.  
266. *Spiraea* × *sanssouciana* K. Koch  
267. *Spiraea sargentiana* Rehder  
268. *Spiraea tomentosa* L.  
269. *Spiraea trichocarpa* Nakai  
270. *Spiraea trilobata* L.  
271. *Spiraea* × *vanhouttei* (Briot) Zabel
- RUTACEAE Juss.**
272. *Phellodendron amurense* Rupr.  
273. *Ptelea serrata* Small  
274. *Ptelea trifoliata* L.

**SAPINDACEAE Juss.**

- 275. *Acer barbinerve* Maxim. ex Miq.\*
- 276. *Acer caudatum* subsp. *ukurundense*  
(Trautv. & C.A.Mey.) E.Murray \*
- 277. *Acer pensylvanicum* L.\*
- 278. *Acer platanoides* 'Crimson King'
- 279. *Acer platanoides* 'Palmatifidum'
- 280. *Acer spicatum* Lam.\*
- 281. *Acer tataricum* L.
- 282. *Acer tataricum* subsp. *ginnala*  
(Maxim.) Wesm.
- 283. *Acer tataricum* subsp. *semenovii*  
(Regel & Herder) A.E.Murray\*
- 284. *Acer tegmentosum* Maxim.
- 285. *Aesculus glabra* Willd.\*
- 286. *Aesculus hippocastanum* L.\*

**SCHISANDRACEAE Blume**

- 287. *Schisandra chinensis* (Turcz.) Baill.

**SCROPHULARIACEAE Juss.**

- 288. *Buddleja japonica* Hemsl.

**SOLANACEAE Adans.**

- 289. *Solanum dulcamara* L.

**STAPHYLEACEAE Martinov**

- 290. *Staphylea pinnata* L.

**TAMARICACEAE Link**

- 291. *Myricaria germanica* (L.) Desv.\*

**VITACEAE Juss.**

- 292. *Ampelopsis glandulosa* var.  
*brevipedunculata* (Maxim.) Momiy. \*
- 293. *Parthenocissus inserta* (A.Kern.)  
Fritsch
- 294. *Parthenocissus quinquefolia* (L.)  
Planch.
- 295. *Vitis amurensis* Rupr.
- 296. *Vitis coignetiae* Pulliat ex Planch.
- 297. *Vitis riparia* Michx.
- 298. *Vitis rupestris* Scheele

**ТРАВЯНИСТЫЕ РАСТЕНИЯ  
HERBAE**

**MAGNOLIOPHYTA**

**AMARYLLIDACEAE J.St.-Hil.**

- 299. *Allium aflatunense* B. Fedtsch.
- 300. *Allium altaicum* Pall.
- 301. *Allium angulosum* L.
- 302. *Allium caeruleum* Pall.
- 303. *Allium carolinianum* Redouté
- 304. *Allium denudatum* Redouté \*
- 305. *Allium fistulosum* L.
- 306. *Allium ledebourianum* Schult. et  
Schult.f.
- 307. *Allium macleanii* Baker
- 308. *Allium mairei* H.Lév.
- 309. *Allium moly* L.
- 310. *Allium moly* var. *grandiflorum*\*
- 311. *Allium nutans* L.\*
- 312. *Allium obliquum* L.
- 313. *Allium oliganthum* Kar. & Kir.
- 314. *Allium oreophilum* C.A.Mey.\*
- 315. *Allium pskemense* B.Fedtsch.
- 316. *Allium rotundum* L.
- 317. *Allium rubens* Schrad. ex Willd.
- 318. *Allium schoenoprasum* L.
- 319. *Allium sphaerocephalon* L.
- 320. *Allium stipitatum* Regel
- 321. *Allium strictum* Schrad.
- 322. *Allium victorialis* L.

**APIACEAE Lindl.**

- 323. *Laser trilobum* Borkh. ex Gaertn.\*
- 324. *Myrrhis odorata* (L.) Scop.

**APOCYNACEAE Juss.**

- 325. *Amsonia tabernaemontana* Walter
- 326. *Asclepias syriaca* L.\*

**ASPARAGACEAE Juss.**

- 327. *Anthericum liliago* L.\*
- 328. *Anthericum ramosum* L.\*
- 329. *Camassia cusickii* S. Watson\*
- 330. *Camassia leichtlinii* (Baker) S.Watson
- 331. *Hemerocallis citrina* Baroni\*
- 332. *Hemerocallis minor* Mill. \*
- 333. *Muscari armeniacum* H.J.Veitch
- 334. *Muscari botryoides* (L.) Mill.
- 335. *Muscari latifolium* J.Kirk
- 336. *Muscari neglectum* Guss. ex Ten.

- 337. *Pseudomuscari azureum* (Fenzl)  
Garbari et Greuter\*
- 338. *Puschkinia scilloides* Adams\*
- 339. *Scilla siberica* Haw.\*

**ASTERACEAE Giseke**

- 340. *Achillea tomentosa* L.
- 341. *Antennaria microphylla* Rydb.\*
- 342. *Aster alpinus* L.
- 343. *Aster tongolensis* Franch.\*
- 344. *Calendula officinalis* L.\*
- 345. *Centaurea macrocephala* Muss.  
Puschk. ex Willd.\*
- 346. *Doronicum plantagineum* L.\*
- 347. *Echinops sphaerocephalus* L.\*
- 348. *Erigeron multiradiatus* (Lindl. ex DC.)  
Benth. et Hook.f.
- 349. *Eupatorium purpureum* L.\*
- 350. *Hymenoxys hoopesii* (A.Gray) Bierner
- 351. *Inula magnifica* Lipsky\*
- 352. *Leuzea carthamoides* (Willd.) DC.
- 353. *Liatris elegans* (Walter) Michx.\*
- 354. *Liatris pilosa* (Aiton) Willd.\*
- 355. *Psephellus dealbatus* (Willd.) K.Koch
- 356. *Solidago virgaurea* L.
- 357. *Symphyotrichum laeve* (L.) Á.Löve &  
D.Löve\*
- 358. *Tanacetum coccineum* (Willd.)  
Grierson
- 359. *Tanacetum corymbosum* subsp.  
*corymbosum*

**BERBERIDACEAE Juss.**

- 360. *Podophyllum hexandrum* Royle

**BRASSICACEAE Burnett**

- 361. *Alyssum wulfenianum* Benth. ex Willd.
- 362. *Arabis blepharophylla* Hook. & Arn.
- 363. *Aubrieta deltoidea* (L.) DC.

**CAMPANULACEAE Juss.**

- 364. *Adenophora liliifolia* (L.) A.DC.
- 365. *Campanula carpatica* Jacq.
- 366. *Campanula glomerata* L.
- 367. *Campanula hofmannii* (Pantan.)  
Greuter & Burdet
- 368. *Campanula komarovii* Maleev\*
- 369. *Campanula rotundifolia* L. \*
- 370. *Campanula sibirica* L.
- 371. *Phyteuma scheuchzeri* All.\*

**CAPRIFOLIACEAE Juss.**

372. *Knautia macedonica* Griseb.\*

**CARYOPHYLLACEAE Juss.**

373. *Gypsophila paniculata* L.\*  
 374. *Gypsophila zhegulensis* Krasnova\*  
 375. *Dianthus anatolicus* Boiss.  
 376. *Dianthus gracilis* Sm.  
 377. *Dianthus gratianopolitanus* Vill.\*  
 378. *Dianthus hyssopifolius* subsp. *gallicus*  
 (Pers.)M.Lainz  
 379. *Dianthus plumarius* L.\*  
 380. *Saponaria ocymoides* L.\*  
 381. *Silene sendtneri* Boiss.  
 382. *Silene viscaria* (L.) Jess.

**COLCHICACEAE DC.**

383. *Colchicum autumnale* L.\*

**CRASSULACEAE J.St.-Hil.**

384. *Petrosedum rupestre* (L.) P.V.Heath  
 385. *Phedimus aizoon* (L.) 't Hart \*  
 386. *Phedimus hybridus* (L.) 't Hart  
 387. *Rhodiola rosea* L.  
 388. *Sedum hybridum* L.\*  
 389. *Sedum lydium* Boiss. \*  
 390. *Sempervivum arachnoideum* L.\*  
 391. *Sempervivum caucasicum* Rupr. ex  
 Boiss.\*  
 392. *Sempervivum* × *funckii* F.Braun ex  
 W.D.J.Koch  
 393. *Sempervivum globiferum* L.\*  
 394. *Sempervivum purpurascens* Schott ex  
 Boiss \*  
 395. *Sempervivum tectorum* L.

**CYPERACEAE Juss.**

396. *Carex grayi* J.Carey

**FABACEAE Juss.**

397. *Genista germanica* L.  
 398. *Glycyrrhiza echinata* L.  
 399. *Ononis arvensis* L.

**GENTIANACEAE Juss.**

400. *Gentiana lutea* L.

**GERANIACEAE Juss.**

401. *Geranium phaeum* L.  
 402. *Geranium sanguineum* L.

**IRIDACEAE Juss.**

403. *Crocus angustifolia* Weston\*  
 404. *Iris halophila* Pall.\*  
 405. *Iris ivanovae* Doronkin\*  
 406. *Iris laevigata* Fisch.\*  
 407. *Iris oxypetala* Bunge\*  
 408. *Iris pseudacorus* L.\*  
 409. *Iris sanguinea* Donn ex Hornem.  
 410. *Iris setosa* Pall. ex Link\*  
 411. *Iris spuria* subsp. *musulmanica*  
 (Fomin) Takht.\*

**LAMIACEAE Martinov**

412. *Salvia tesquicola* Klok. & Pobed.  
 413. *Stachys betoniciflora* Rupr.  
 414. *Stachys byzantina* K. Koch\*  
 415. *Stachys macrostachys* (Wender.)  
 Briq.\*

**LILIACEAE Juss.**

416. *Fritillaria michailovskyi* Fomin\*  
 417. *Lilium martagon* L.  
 418. *Tulipa turkestanica* (Regel) Regel

**MALVACEAE Juss.**

419. *Malva thuringiaca* Vis.

**ONAGRACEAE Juss.**

420. *Oenothera biennis* L.\*

**PAEONIACEAE Raf.**

421. *Paeonia anomala* L. \*

**PAPAVERACEAE Juss.**

422. *Papaver orientale* L.  
 423. *Papaver pseudo-orientale* Medw. \*  
 424. *Papaver setiferum* Goldblatt

**PHYTOLACCACEAE R.Br.**

425. *Phytolacca americana* L.\*

**PLANTAGINACEAE Juss.**

426. *Veronica gentianoides* Vahl

**PLUMBAGINACEAE Juss.**

427. *Armeria alliacea* (Cav.) Hoffmanns. &  
 Link \*

**POACEAE Barnhart**

428. *Avena barbata* Pott ex Link  
 429. *Avena sativa* 'Вятский'

430. *Briza media* L.  
 431. *Cynosurus cristatus* L.  
 432. *Deschampsia cespitosa* (L.) P.Beauv.  
 433. *Deschampsia flexuosa* Trin. \*  
 434. *Elymus dahuricus* Griseb.  
 435. *Festuca alpina* Suter \*  
 436. *Festuca amethystina* L.\*  
 437. *Festuca cinerea* Vill.  
 438. *Festuca ovina* L.  
 439. *Festuca pseudodalmanica* Krajina & Krajina  
 440. *Hystrix patula* Moench  
 441. *Koeleria crassipes* Lange  
 442. *Koeleria pyramidata* (Lam.) P.Beauv.  
 443. *Koeleria macrantha* (Ledeb.) Schult.  
 444. *Poa litorosa* Cheeseman \*  
 445. *Setaria viridis* (L.) P.Beauv.  
 446. *Setaria vulpiseta* (Lam.) Roem. & Schult.  
 447. *Sesleria caerulea* (L.) Ard. \*  
 448. *Sorghum bicolor* (L.) Moench  
 449. *Stipa capillata* L.\*

**POLEMONIACEAE Juss.**

450. *Polemonium caeruleum* L.\*

**POLYGONACEAE Juss.**

451. *Persicaria alpina* (All.) H.Gross\*  
 452. *Rheum palmatum* L.

**PRIMULACEAE Batsch ex Borkh.**

453. *Primula florindae* Kingdon-Ward  
 454. *Primula veris* subsp. *macrocalyx* (Bunge) Lüdi

**RANUNCULACEAE Juss.**

455. *Actaea rubra* (Aiton) Willd.  
 456. *Anemone cylindrica* A.Gray\*  
 457. *Aquilegia olympica* Boiss.  
 458. *Aquilegia vulgaris* L.\*  
 459. *Delphinium cuneatum* Steven ex DC.  
 460. *Nigella sativa* L.\*  
 461. *Thalictrum aquilegiifolium* L.  
 462. *Thalictrum minus* L.  
 463. *Thalictrum triternatum* Rupr.\*  
 464. *Trollius asiaticus* L.\*  
 465. *Trollius europaeus* L.\*

**ROSACEAE Juss.**

466. *Alchemilla erythropoda* Juz.\*  
 467. *Geum quellyon* Sweet

468. *Potentilla atosanguinea* Lodd., G.Lodd. & W.Lodd.\*  
 469. *Potentilla nepalensis* Hook\*  
 470. *Sanguisorba magnifica* I. Schischk. et Kom.\*  
 471. *Sibbaldiopsis tridentata* (Sol.) Rydb.\*

**SAXIFRAGACEAE Juss.**

472. *Heuchera cylindrica* Douglas  
 473. *Saxifraga x arendsii* Arends

**SOLANACEAE Adans.**

474. *Datura stramonium* L.\*

**ЗАКРЫТЫЙ ГРУНТ  
SUB VITRO**

**ОРАНЖЕРЕЙНЫЕ РАСТЕНИЯ  
PLANTAE IN CALIDARIS  
CULTAE**

**POLYPODIOPHYTA**

**DAVALLIACEAE**

**M.R.Schomb. ex A.B.Frank**

475. *Scyphularia pentaphylla* (Blume) Fee

**DRYOPTERIDACEAE Herter**

476. *Cyrtomium falcatum* (L. f.) C. Presl  
477.

**NEPHROLEPIDACEAE Pic.Serm.**

478. *Nephrolepis biserrata* (Sw.) Schott  
479. *Nephrolepis exaltata* (L.) Schott  
480. *Nephrolepis exaltata* 'Emina'

**PTERIDACEAE E.D.M.Kirchn.**

481. *Adiantum capillus-veneris* L.  
482. *Pteris cretica* 'Albo-lineata'  
483. *Pteris cretica* 'Alexandrae'  
484. *Pteris vittata* L.

**MAGNOLIOPHYTA**

**APOCYNACEAE Juss.**

485. *Ceropegia linearis* subsp. *debilis* (N. E. Br.) H. Huber  
486. *Ceropegia sandersonii* Decne. ex Hook.f.  
487. *Ceropegia woodii* Schltr.  
488. *Echidnopsis cereiformis* Hook.f.  
489. *Stapelia asterias* Masson  
490.

**ARECACEAE Bercht. & J.Presl**

491. *Sabal minor* (Jacq.) Pers.

**ASPARAGACEAE Juss.**

492. *Asparagus aethiopicus* L.

**ASTERACEAE Giseke**

493. *Kleinia ficoides* (L.) Haw.  
494. *Senecio articulatus* (L. f.) Sch. Bip.  
495. *Senecio jacobsenii* Rowley

**CRASSULACEAE J.St.-Hil.**

496. *Crassula arborescens* (Mill.) Willd.  
497. *Crassula intermedia* Schönland  
498. *Crassula lactea* Aiton  
499. *Crassula montana* subsp. *quadrangularis* (Schönl.) Toelken  
500. *Crassula ovata* 'Gollum'  
501. *Crassula perforata* Thunb.  
502. *Crassula socialis* Schonland  
503. *Crassula* 'Tom Thumb '  
504. *Echeveria agavoides* Lem.  
505. *Echeveria leucotricha* J.A.Purpus  
506. *Echeveria multicaulis* Rose  
507. *Echeveria pilosa* J.A.Purpus  
508. *Echeveria pulvinata* Rose  
509. *Echeveria secunda* Booth ex Lindl.  
510. *Graptopetalum macdougallii* Alexander  
511. *Graptopetalum paraguayense* (N.E.Br.) E.Walther  
512. *Graptoveria calva* (Gossot) Rowley  
513. × *Graptoveria* 'Titubans'  
514. *Kalanchoe beauverdii* Raym.-Hamet  
515. *Kalanchoe blossfeldiana* Poelln.  
516. *Kalanchoe daigremontiana* Raym.-Hamet et H. Perrier  
517. *Kalanchoe faustii* Font Quer  
518. *Kalanchoe fedtschenkoi* Raym.-Hamet & H.Perrier  
519. *Kalanchoe rhombopilosa* Mannoni & Boiteau  
520. *Pachyphytum bracteosum* Link, Klotzsch & Otto  
521. *Pachyphytum hookeri* (Salm-Dyck) A. Berger  
522. *Sedum allantoides* Rose  
523. *Sedum burrito* Moran  
524. *Sedum morganianum* E.Walther  
525. *Sedum nussbaumerianum* Bitter  
526. *Sedum rubrotinctum* 'Aurora'  
527. *Sedum treleasei* Rose

**LYTHRACEAE J.St.-Hil.**

528. *Punica granatum* L.

|   |                           |
|---|---------------------------|
| <u>Наш адрес:</u>   | <u>Ваш адрес:</u>         |
| 424030 Республика Марий Эл,<br>г. Йошкар-Ола, ул. Мира, 2 <sup>Б</sup><br>Ботанический сад-институт<br>E-mail: botsad@volgatech.net |                           |
| <u>Our address:</u>   | <u>Your full address:</u> |
| Botanic Garden<br>Mira Str., 2 <sup>B</sup><br>424030 YOSHKAR-OLA,<br>Marii El, Russia  |                           |

DISIDERATA №31

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**AGREEMENT  
on the supply of plant material by VSTU Botanical Garden-institute**

Since the Convention on Biological Diversity (CBD, 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 MSTU Botanical Garden-institute only passes on plant material under the condition that the user acts in the spirit of the Convention on Biological Diversity. The MSTU Botanical Garden-institute is dedicated to the conservation, sustainable use and research of biological diversity. With regard to the acquisition, maintenance and supply of plant material, the MSTU Botanical Garden-institute 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. As a consequence, plant material from the collections of the MSTU Botanical Garden-institute is supplied only to those persons and institutions who accept the following conditions:

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. 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, copies of such publications are expected to be sent to the MSTU Botanical Garden-institute without request.
4. Commercial use is not covered by this agreement but is object of a separate agreement with the country of origin. Such agreement underlies the provisions of the CBD, i. e. the user is obliged to share benefits with the country of origin. In this context, the user has to forward all relevant information to the authorities instructed with the implementation of the CBD. On request, the MSTU Botanical Garden-institute will provide such information to these authorities.
5. The recipient is allowed to supply plant material derived from the MSTU Botanical Garden-institute to others only on the basis and under the conditions of this or corresponding agreements.

I accept the above conditions:

Date \_\_\_\_\_ Signature \_\_\_\_\_  
Name and address of the garden \_\_\_\_\_

stamp