



Arboretum Mlyňany

Institute of Forest Ecology

Slovak Academy of Sciences



Index Seminum
71/2023

Address

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Institute of Forest Ecology SAS

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Species from the title page

***Akebia quinata* (Houtt.) Decne.**

Synonym: *Rajania quinata* Houttuyn

Common name: Five-leaf Akebia, Five-leaf Chocolate Vine

Family: *Lardizabalaceae*

Akebia quinata (Houtt.) Decne. is deciduous or half-evergreen graceful twining shrub, climbing to 10 m. or more. The stems are grayish brown, lenticellate. Leaves long-petioled, digitate, leaflets 5, 3-6 cm long, elliptic, obovate or oblong-obovate and emarginate, at base rounded or broad-cuneate, glaucous beneath. Fragrant flowers in Mai, clustered in racemes, slender-stalked, the pistillate purplish brown, 2,5-3 cm across, sepals 3-4, broad-elliptic, the staminate rosy purple, much smaller, on pedicels 5 mm long, carpels 3-12. Fleshy pods are purple-violet and bloomy, ovoid-oblong, 6-8 cm long, opening along the ventral suture, with numerous black seed in several rows, surrounded with white pulp.

Akebia quinata (Houtt.) Decne. is native in Central China to Japan and Korea.

It was introduced in 1845.

You can find this species under the **number 164** in our seed catalogue.

In response to the ***Convention on Biological Diversity (Rio de Janeiro, 1992)***

Mlyňany Arboretum supplies its seeds offered in this catalogue on the following conditions:

1. the seeds are only used for the public good in areas of scientific research, conservation of species, education, and the development of public botanic gardens.
2. any commercial use of the plant material requires the permission of Mlyňany Arboretum and a separate agreement.
3. any publication resulting from the use of the material should acknowledge Arboretum Mlyňany as supplier.

Location: 48°19'12"N, 18°22' 09"E

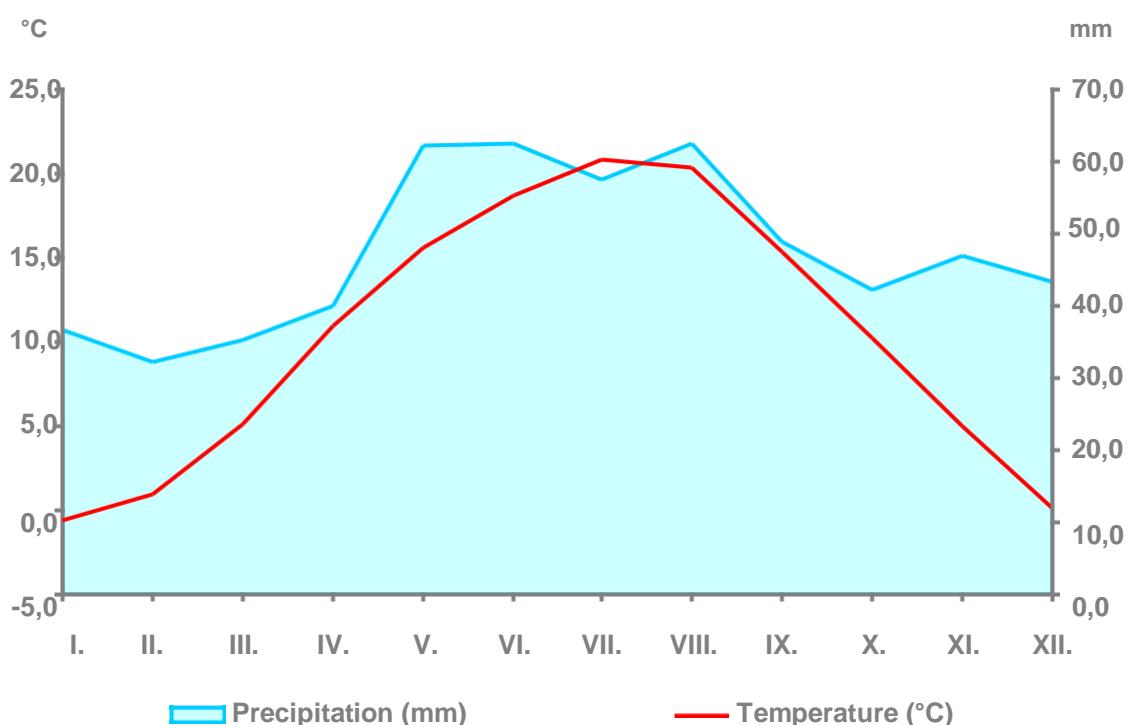
Altitude: 168 – 214 m a. s. l.

Climatic data (1986-2015):

Annual mean temperature: 10.2 °C

Annual mean precipitation: 570.3 mm

Climograph for Arboretum Mlyňany (1986-2015)



Climatic data 2023

Annual mean temperature: 10.9 °C

Total annual precipitation: 616.8 mm

2023	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	XI.	XII.
T [°C]	2.5	1.5	6.0	8.4	14.7	18.3	21.0	20.5	18.4	12.6	4.9	1.4
P [mm]	70.8	25.0	18.2	16.4	68.0	31.2	40.8	50.8	60.6	82.4	76.8	75.8

Cupressaceae

1. *Chamaecyparis lawsoniana* (Murr.) Parl.
2. *Chamaecyparis pisifera* (S. & Z.) Endl.
3. *Chamaecyparis pisifera* (S. & Z.) Endl. 'Plumosa'
4. *Cupressus arizonica* Greene 'Glauca'
5. *Juniperus chinensis* L.
6. *Juniperus chinensis* L. 'Keteleeri'
7. *Juniperus drupacea* Labill
8. *Juniperus communis* L.
9. *Platycladus orientalis* (L.) Franco
10. *Platycladus orientalis* (L.) Franco 'Sieboldii'
11. *Thuja occidentalis* L.
12. *Thuja occidentalis* L. 'Malonyana'

Taxaceae

13. *Taxus baccata* L.
14. *Taxus baccata* L. 'Dovastonii'
15. *Taxus × media* Rehd.

Actinidiaceae

16. *Actinidia chinensis* Planch.

Adoxaceae

17. *Viburnum burejaeticum* Rgl. & Herd.
18. *Viburnum carlesii* Hemsl.
19. *Viburnum dentatum* L.
20. *Viburnum dilatatum* Thunb.
21. *Viburnum hupehense* Rehd.
22. *Viburnum lantana* L.
23. *Viburnum opulus* L.
24. *Viburnum prunifolium* L.
25. *Viburnum rhytidophyllum* Hemsl.
26. *Viburnum sargentii* Koehne
27. *Viburnum tinus* Rehd.

Anacardiaceae

28. *Cotinus coggygria* Scop.
29. *Rhus glabra* L.
30. *Rhus potaninii* Maxim.
31. *Rhus × pulvinata* Greene
32. *Rhus typhina* L.
33. *Rhus typhina* L. 'Laciniata'

Aquifoliaceae

34. *Ilex aquifolium* L.
35. *Ilex aquifolium* L. f. *bacciflava* (West.) Rehd.
36. *Ilex × aquipernyi* Gable ex Whittem.
37. *Ilex pernyi* Franch.
38. *Ilex verticillata* (L.) Gray

Araliaceae

39. *Eleutherococcus senticosus* (Rupr. & Maxim.) Maxim.
40. *Hedera helix* L.
41. *Kalopanax pictus* (Thunb.) Nakai

Asparagaceae

42. *Ruscus aculeatus* L.
43. *Ruscus hypoglossus* L.

Berberidaceae

44. *Berberis aggregata*Schneid.
45. *Berberis amurensis* Rupr.
46. *Berberis amurensis* Rupr. 'Atropurpurea'
47. *Berberis amurensis* Rupr. var. *japonica* (Reg.) Rehd.
48. *Berberis brachypoda* Maxim.
49. *Berberis chinensis* Poir.
50. *Berberis gagnepainii* Schneid.
51. *Berberis gagnepainii* Schneid. var. *lanceifolia* Ahrendt
52. *Berberis × hybrido-gagnepainii* Suring
53. *Berberis julianae* Schneid.
54. *Berberis koreana* Palibin
55. *Berberis sargentiana* Schneid.
56. *Berberis sieboldii* Miq.
57. *Berberis thunbergii* DC.
58. *Berberis wilsoniae* Hemsl. & Wils.
59. *Mahonia aquifolium* (Pursh) Nutt.

Betulaceae

60. *Betula dahurica* Pall.
61. *Betula chichibuensis* H. Hara
62. *Betula glandulifera* (Regel) Butler
63. *Betula grossa* Sieb. & Zucc.
64. *Betula maximowicziana* Regel
65. *Betula platyphylla* Sukatchev
66. *Betula pubescens* Ehrh.
67. *Betula schmidtii* Regel
68. *Carpinus betulus* L.
69. *Carpinus betulus* L. var. *caucasica* Grossh.
70. *Carpinus caroliniana* Walt.
71. *Carpinus cordata* Bl.
72. *Carpinus japonica* Bl.
73. *Carpinus orientalis* Mill.
74. *Ostrya carpinifolia* Scop.
75. *Ostrya japonica* Sarg.
76. *Ostrya virginiana* (Mill.) K. Koch

Bignoniaceae

77. *Catalpa bignonioides* Walt.
78. *Catalpa ovata* G. Don
79. *Catalpa speciosa* Warder

Calycanthaceae

80. *Chimonanthus praecox* (L.) Link

Cannabaceae

81. *Celtis jessoensis* Koidz.
82. *Celtis occidentalis* L.
83. *Celtis sinensis* Pers. var. *japonica* (Planch.) Nakai

Caprifoliaceae

84. *Diervilla rivularis* Gatt.
85. *Heptacodium miconioides* Rehd.
86. *Kolkwitzia amabilis* Graebn.
87. *Leycesteria formosa* Wall.
88. *Lonicera alpigena* L.
89. *Lonicera caucasica* Pall.
90. *Lonicera ferdinandi* Franch.
91. *Lonicera japonica* Thunb.
92. *Lonicera japonica* Thunb. var. *chinensis* (Wats.) Bak.
93. *Lonicera maackii* (Rupr.) Maxim.
94. *Lonicera maackii* (Rupr.) Maxim. var. *podocarpa* Franch.
95. *Lonicera quinquelocularis* Hardw.
96. *Lonicera tatarica* L.
97. *Lonicera tatarica* L. 'Lutea'
98. *Lonicera vesicaria* Komar.
99. *Symporicarpos albus* (L.) Blake var. *laevigatus* (Fern.) Blake

Celastraceae

100. *Celastrus angulatus* Maxim.
101. *Celastrus orbiculatus* Thunb.
102. *Euonymus bungeanus* Maxim.
103. *Euonymus bungeanus* Maxim. var. *semipersistens* (Rehd.) Schneid.
104. *Euonymus europaeus* L.
105. *Euonymus fortunei* (Turcz.) Hand.-Mazz.
106. *Euonymus grandiflorus* Wall. ex Roxb.
107. *Euonymus hamiltonianus* Wall.
108. *Euonymus hamiltonianus* Wall. var. *lanceifolia* (Loes.) Blakel.
109. *Euonymus hamiltonianus* Wall. var. *maackii* (Loes.) Blakel.
110. *Euonymus hamiltonianus* Wall. var. *yedoensis* (Loes.) Blakel.
111. *Euonymus nanus* Bieb.
112. *Euonymus verrucosus* Scop.

Cercidiphyllaceae

113. *Cercidiphyllum japonicum* S. & Z.

Cornaceae

114. *Cornus officinalis* S. & Z.

Ebenaceae

115. *Diospyros lotus* L.

Elaeagnaceae

116. *Elaeagnus angustifolia* L.
117. *Elaeagnus umbellata* Thunb.

Ericaceae

118. *Kalmia latifolia* L.
119. *Pieris japonica* (Thunb.) D. Don
120. *Rhododendron catawbiense* Michx.
121. *Rhododendron fortunei* Lindl.
122. *Rhododendron luteum* Sweet
123. *Rhododendron micranthum* Turcz.
124. *Rhododendron mucronatum* G. Don
125. *Rhododendron mucronatum* G. Don 'Vltava'
126. *Rhododendron mucronulatum* Turcz.
127. *Rhododendron smirnowii* Trautv.

Eucommiaceae

128. *Eucommia ulmoides* Oliv.

Fabaceae

129. *Albizia julibrissin* Durazz.
130. *Amorpha fruticosa* L.
131. *Colutea × media* Willd.
132. *Colutea orientalis* Mill.
133. *Gleditsia japonica* Miq.
134. *Gleditsia japonica* Miq. var. *koraiensis* Nakai
135. *Gleditsia triacanthos* L.
136. *Laburnum anagyroides* Medik.
137. *Wisteria floribunda* (Willd.) DC.

Fagaceae

138. *Quercus aliena* Bl.

Grossulariaceae

139. *Ribes fasciculatum* S. & Z.

Hamamelidaceae

140. *Hamamelis virginiana* L.

Hydrangeaceae

141. *Deutzia ningpoensis* Rehd.
142. *Hydrangea heteromalla* D. Don 'Bretschneideri'
143. *Hydrangea paniculata* Sieb.
144. *Hydrangea quercifolia* Bartr.
145. *Hydrangea sargentiana* Rehd.
146. *Philadelphus coronarius* L.
147. *Philadelphus schrenkii* Rupr.

Hypericaceae

148. *Hypericum kalmianum* L.

Juglandaceae

149. *Carya cordiformis* (Wangh.) K.Koch
150. *Juglans cinerea* L.
151. *Juglans nigra* L.
152. *Juglans rupestris* Engelm.
153. *Platycarya strobilacea* Sieb. & Zucc.
154. *Pterocarya fraxinifolia* (Lam.) Spach
155. *Pterocarya × rehderiana* Schneid.
156. *Pterocarya stenoptera* DC.

Lamiaceae

157. *Callicarpa bodinieri* Lév.
158. *Callicarpa dichotoma* (Lour.) K. Koch
159. *Callicarpa japonica* Thunb. 'Leucocarpa'
160. *Callicarpa × shirasawana* Mak.
161. *Clerodendrum trichotomum* Thunb.
162. *Vitex negundo* L.
163. *Vitex negundo* L. var. *heterophylla* (Franch.) Rehd.

Lardizabalaceae

164. *Akebia quinata* (Houtt.) Decne.

Lauraceae

165. *Lindera angustifolia* (Cheng) Nakai var. *glabra* Nakai

Magnoliaceae

166. *Liriodendron chinensis* (Hemsl.) Sarg.
167. *Liriodendron tulipifera* L.
168. *Magnolia × soulangeana* Soul. - Bod.
169. *Magnolia × soulangeana* Soul. - Bod. 'Rustica Rubra'

Malvaceae

170. *Hibiscus syriacus* L.
171. *Tilia japonica* (Miq.) Simonkai
172. *Tilia mongolica* Maxim.
173. *Tilia petiolaris* DC.
174. *Tilia platyphyllo* Scop.
175. *Tilia tomentosa* Moench.

Moraceae

176. *Broussonetia papyrifera* (L.) L'Hér.
177. *Maclura pomifera* (Raf.) Schneid.

Oleaceae

178. *Fontanesia fortunei* Carr.
179. *Forsythia ovata* Nakai
180. *Forsythia viridissima* Lindl.
181. *Fraxinus chinensis* Roxb. var. *rhynchophylla* (Hance) Hemsl.
182. *Fraxinus ormus* L.
183. *Fraxinus pensylvanica* Marsh.
184. *Jasminum fruticans* L.
185. *Ligustrum acutissimum* Koehne
186. *Ligustrum compactum* Hook. f. & Thoms. ex Brandis
187. *Ligustrum delavayanum* Hariot
188. *Ligustrum japonicum* Thunb.
189. *Ligustrum obtusifolium* S. & Z.
190. *Ligustrum obtusifolium* S. & Z. var. *regelianum* (Koehne) Rehd.
191. *Ligustrum ovalifolium* Hassk.
192. *Ligustrum quihoui* Carr.
193. *Ligustrum sinense* Lour.
194. *Ligustrum tschonoskii* Dcne.
195. *Ligustrum vulgare* L.
196. *Ligustrum vulgare* L. 'Pyramidal'
197. *Phyllirea decora* Boiss. & Bal.
198. *Syringa emodi* Wall.
199. *Syringa fauriei* H. Lév.
200. *Syringa oblata* Lindl.
201. *Syringa komarovii* Schneid.
202. *Syringa pekinensis* Rupr.
203. *Syringa reflexa* Schneid.
204. *Syringa reticulata* (Blume) Hara
205. *Syringa reticulata* (Blume) Hara var. *mandshurica* (Maxim.) Hara
206. *Syringa sweginzowii* Koehne & Lingelsh.
207. *Syringa vulgaris* L.
208. *Syringa wolfii* Schneid.
209. *Syringa yunnanensis* Franch.

Phyllanthaceae

210. *Securinega suffruticosa* (Pall.) Rehd.

Ranunculaceae

211. *Clematis heracleifolia* DC.
212. *Clematis vitalba* L.
213. *Clematis viticella* L.

Rhamnaceae

214. *Ceanothus thyrsiflorus* Eschsch.
215. *Paliurus spina-christi* Mill.
216. *Ziziphus jujuba* Mill.

Rosaceae

217. *Chaenomeles cathayensis* (Hemsl.) Schneid.
218. *Chaenomeles × superba* (Frahm) Rehd.
219. *Cotoneaster acutifolius* Turcz.
220. *Cotoneaster adpressus* Bois.
221. *Cotoneaster bullatus* Bois.
222. *Cotoneaster dammeri* Schneid. 'Skogholm'
223. *Cotoneaster dielsianus* Pritz.
224. *Cotoneaster distichus* Lange
225. *Cotoneaster divaricatus* Rehd. & Wils.
226. *Cotoneaster franchetii* Bois
227. *Cotoneaster horizontalis* Decne.
228. *Cotoneaster hupehensis* Rehd. & Wils.
229. *Cotoneaster insignis* Pojark.
230. *Cotoneaster lucidus* Schlechtd.
231. *Cotoneaster microphyllus* Lindl. var. *thymifolius* (Baker) Koehne
232. *Cotoneaster multiflorus* Bge.
233. *Cotoneaster obscurus* Rehd. & Wils.
234. *Cotoneaster racemiflorus* (Desf.) K. Koch
235. *Cotoneaster racemiflorus* (Desf.) K. Koch var. *veitchii* Rehd. & Wils.
236. *Cotoneaster rhytidophyllus* Rehd. & Wils.
237. *Cotoneaster roseus* Edgew.
238. *Cotoneaster salicifolius* Franch.
239. *Cotoneaster salicifolius* Franch. var. *floccosus* Rehd. & Wils.
240. *Cotoneaster × watereri* Exell.
241. *Cotoneaster zabelii* Schneid.
242. *Cotoneaster zelleri* Schneid.
243. *Crataegus × lavallei* Hering. ex Lav.
244. *Crataegus maximowiczii* Schneid.
245. *Crataegus monogyna* Jacq.
246. *Crataegus orientalis* Pall. var. *sanguinea* (Schrad.) Loud.
247. *Crataegus oxyacantha* L.
248. *Crataegus pentagyna* Waldst. & Kit.
249. *Exochorda serratifolia* Moore
250. *Holodiscus discolor* (Pursh) Maxim.
251. *Malus baccata* (L.) Borkh.
252. *Malus coronaria* (L.) Mill.
253. *Malus rockii* Rehd.
254. *Malus sargentii* Rehd.
255. *Malus sieboldii* (Reg.) Rehd.
256. *Malus sikkimensis* (Wenzig) Koehne
257. *Malus × zumi* (Matsum.) Rehd.
258. *Malus × zumi* (Matsum.) Rehd. 'Calocarpa'
259. *Mespilus germanica* L.
260. *Photinia villosa* (Thunb.) DC.
261. *Photinia villosa* (Thunb.) DC. var. *sinica* Rehd. & Wils.
262. *Physocarpus opulifolius* (L.) Maxim.
263. *Pseudocydonia sinensis* Schneid.
264. *Pyrus betulifolia* Bge.

265. *Rhodotypos scandens* (Thunb.) Mak.
 266. *Rosa arvensis* Huds.
 267. *Rosa banksiae* W. T. Aiton
 268. *Rosa blanda* Ait.
 269. *Rosa brunonii* Lindl.
 270. *Rosa glauca* Pourr.
 271. *Rosa luciae* Franch. & Rochebr.
 272. *Rosa macrophylla* Lindl.
 273. *Rosa moyesii* Hemsl. & Lindl. 'Fenja'
 274. *Rosa multiflora* Thunb.
 275. *Rosa palustris* Marsh.
 276. *Rosa pimpinellifolia* L.
 277. *Rosa roxburghii* Tratt.
 278. *Rosa rubiginosa* L.
 279. *Rosa 'Complicata'*
 280. *Rosa 'Parkfeuer'*
 281. *Sorbaria sorbifolia* (L.) A. Br. var. *stellipila* Maxim.
 282. *Sorbaria tomentosa* (Lindl.) Rehd.
 283. *Sorbus torminalis* (L.) Crantz.
 284. *Spiraea blumei* G. Don
 285. *Spiraea chinensis* Maxim.
 286. *Spiraea japonica* L. f. var. *acuminata* Franch.
 287. *Spiraea × margaritae* Zab.
 288. *Spiraea media* Schmidt
 289. *Spiraea miyabei* Koidz.
 290. *Spiraea nipponica* Maxim.
 291. *Spiraea nipponica* Maxim. var. *tosaensis* (Yatabe) Makino
 292. *Spiraea salicifolia* L.
 293. *Spiraea trilobata* L.
 294. *Spiraea veitchii* L.
 295. *Spiraea wilsonii* L.
 296. *Stranvaesia davidiana* Dcne. 'Lutea'

Rutaceae

297. *Orixa japonica* Thunb.
 298. *Phellodendron amurense* Rupr.
 299. *Phellodendron chinense* Schneid.
 300. *Poncirus trifoliata* (L.) Raf.
 301. *Ptelea trifoliata* L.
 302. *Skimmia japonica* Thunb.
 303. *Euodia daniellii* (Benn.) Hemsl.
 304. *Euodia hupehensis* Dode
 305. *Euodia velutina* Rehd. & Wils.
 306. *Zanthoxylum armatum* DC.
 307. *Zanthoxylum schinifolium* S. & Z.
 308. *Zanthoxylum simulans* Hance

Sapindaceae

309. *Acer aidzuense* Nakai
310. *Acer buergerianum* Miq.
311. *Acer campestre* L.
312. *Acer cappadocicum* Gled.
313. *Acer circinatum* Pursh
314. *Acer cissifolium* (S. & Z.) K. Koch
315. *Acer davidii* Franch.
316. *Acer ginnala* Maxim.
317. *Acer grosseri* Pax
318. *Acer grosseri* Pax ssp. *hersii* (Rehd.) Rehd.
319. *Acer heldreichii* Orph.
320. *Acer japonicum* Thunb.
321. *Acer japonicum* Thunb. 'Vitifolium'
322. *Acer miyabei* Maxim.
323. *Acer mono* Maxim.
324. *Acer mono* Maxim. var. *tricuspidis* (Rehd.) Rehd.
325. *Acer monspessulanum* L.
326. *Acer negundo* L.
327. *Acer opalus* Mill.
328. *Acer palmatum* Thunb.
329. *Acer palmatum* Thunb. var. *amoenum* (Carr.) Ohwi
330. *Acer palmatum* Thunb. 'Brevilobum'
331. *Acer palmatum* Thunb. 'Dissectum'
332. *Acer pseudosieboldianus* L.
333. *Acer rufinerve* S. & Z.
334. *Acer semenovii* Reg. & Herd.
335. *Acer sieboldianum* Miq.
336. *Acer tataricum* L.
337. *Acer ukurunduense* Trautv. & Mey.
338. *Dipteronia sinensis* Oliv.
339. *Koelreuteria paniculata* Laxm. var. *apiculata* (Rehd. & Wils.) Rehd.
340. *Xanthoceras sorbifolium* Bge.

Scrophulariaceae

341. *Buddleja davidii* Franch.

Solanaceae

342. *Lycium barbarum* L.

Staphyleaceae

343. *Staphylea colchica* Stev.
344. *Staphylea colchica* Stev. var. *kochiana* Medwed.
345. *Staphylea pinnata* L.
346. *Staphylea trifolia* L.

Styracaceae

347. *Pterostyrax corymbosa* S. & Z.

Ulmaceae

348. *Ulmus parvifolia* Jacq.

Vitaceae

349. *Ampelopsis brevipedunculata* (Maxim.) Trautv. 'Elegans'
350. *Ampelopsis brevipedunculata* (Maxim.) Trautv. var. *maximowiczii* (Rgl.) Rehd.

Desiderata (max. 20 items)

Please return Desiderata until 1 May 2024 to following address

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