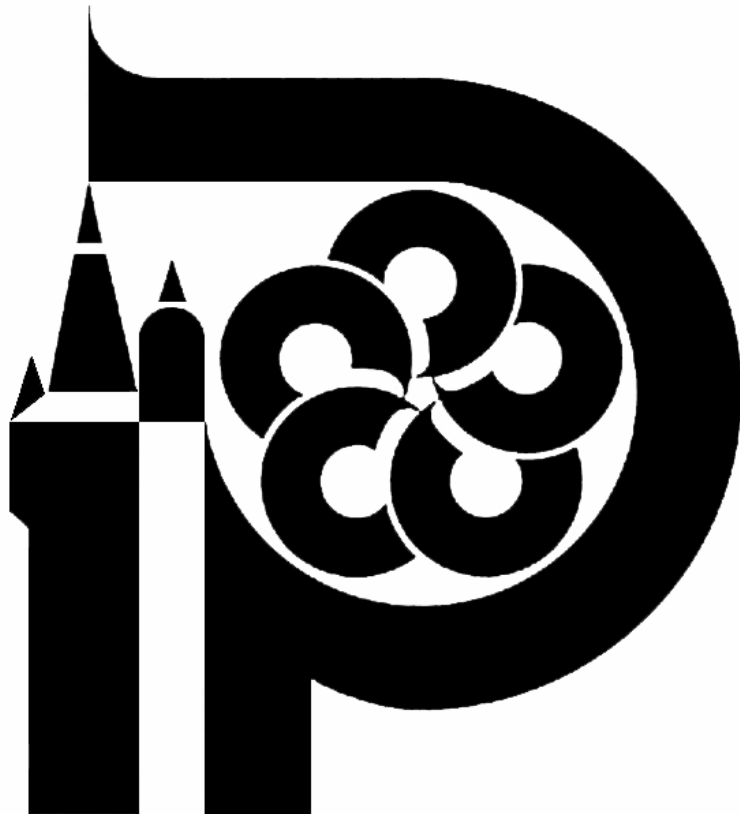


*Index
Seminum*

*44
2008*



**Institute of Botany
Academy of Sciences of the Czech Republic
252 43 Průhonice**

Index Seminum represents the list of seeds offered for exchange to Botanical Gardens and Institutes.

Průhonice is a village located on the southeastern edge of the city of Prague. Motorway D1 linking Prague and Brno passes nearby. It takes only about 10 to 15 minutes by car to reach Průhonice from the centre of Prague.

Editor: RNDr. Lenka Moravcová, CSc.

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Seeds collected in the Průhonice Park - Czech Republic

J. Burda, M. Kučera, P. Tegzeová, Š. Brabcová

Location of the Průhonice park

Latitude: N 49° 58' 43" – 50° 00' 06"

Longitude: E 14° 32' 16" – 14° 34' 26"

Altitude: 281 - 342 m

Area: 244 hectares (2,44 km²)

Mean annual precipitation: 610 mm (1929–1958)

Mean annual temperature: 8,6 °C (1929–1958)

1. *Acanthopanax senticosus* (RUPR. et MAXIM.) HARMS
2. *Acanthopanax sessiliflorus* (RUPR. et MAXIM.) SEEM.
3. **Acer laxiflorum* PAX
4. **Acer nikoense* MAXIM.
5. **Acer platanoides* L. 'Reitenbachii'
6. **Acer tataricum* L.
7. *Actaea pachypoda* ELLIOT
8. **Aesculus hippocastanum* L.
9. *Aralia racemosa* L.
10. *Aralia spinosa* L.
11. *Aruncus vulgaris* RAFIN.
12. *Calendula officinalis* L.
13. *Callicarpa dichotoma* (LOUR.) K.KOCH

14. *Campanula latifolia* L.
15. *Carya laciniosa* (MICHX. fil.) LOUD.
16. *Carya tomentosa* (LAM.) NUTT.
17. *Cephalotaxus harringtonii* (KNIGHT ex J.FORBES) K.Koch
18. *Cercis canadensis* L.
19. *Chaenomeles japonica* (THUNB.) LINDL. ex SPACH
20. *Chionanthus virginicus* L.
21. *Clethra barbinervis* SIEB. et ZUCC.
22. *Cornus mas* L.
23. *Cornus sanguinea* L.
24. *Cotoneaster* ×*watereri* EXELL
25. ×*Crataegomespilus dardari* SIMON-LOUIS
26. *Davidia involucrata* BAILL. subsp. *vilmoriniana* (DODE) HOLUB
27. *Decaisnea fargesii* FRANCH.
28. *Elaeagnus commutata* BERNH. ex RYDB.
29. *Euonymus europaea* L.
30. *Euonymus sachalinensis* (FR. SCHMIDT) MAXIM.
31. *Exochorda grandiflora* (HOOK.) LINDL.
32. *Gentiana asclepiadea* L.
33. *Holodiscus discolor* (PURSH) MAXIM.
34. *Inula helenium* L.
35. *Juglans ailantifolia* CARR. var. *cordiformis* (MAXIM.) REHD.
36. *Koelreuteria paniculata* LAXM.
37. *Kolkwitzia amabilis* GRAEBN.
38. *Ligustrum ibota* SIEB. et ZUCC.
39. *Liriodendron tulipifera* L.
40. *Lonicera alpigena* L.
41. *Maackia amurensis* RUPR. ex MAXIM.
42. *Mahonia aquifolium* (PURSH) NUTT.
43. *Mahonia repens* (LINDL.) G.DON
44. *Malus sargentii* REHDER
45. *Morus bombycis* KOIDZ.
46. *Phellodendron amurense* RUPR.
47. *Phellodendron chinense* C.K.SCHNEID.
48. *Photinia villosa* (THUNB.) DC.

49. *Physocarpus opulifolius* (L.) MAXIM.
50. *Prunus domestica* L.
51. *Prunus cerasus* L.
52. *Ptelea trifoliata* L.
53. *Pyracantha coccinea* M.J.ROEM. 'Lalandei'
54. **Quercus ilicifolia* WANGENH.
55. **Quercus palustris* MUENCHH.
56. **Quercus rubra* L.
57. *Rhamnus imeretina* Booth, Petz. et H.KIRCHN.
58. *Rhodotypos scandens* (THUNB.) MAKINO
59. *Rosa glauca* POURR.
60. *Rosa rugosa* THUNB.
61. *Rubus coreanus* MIQ.
62. *Rubus phoenicolasius* MAXIM.
63. *Rubus* 'Thornless'
64. *Sidalcea malviflora* (DC.) A.GR.
65. *Symplocos paniculata* (THUNB.) MIQ.
66. *Syringa wolfii* C.K.SCHNEID.
67. *Telekia speciosa* (SCHREB.) BAUMG.
68. *Tilia platyphyllos* SCOP. subsp. *cordifolia* (BESSER) C.K.SCHNEID.
69. *Torreya nucifera* (L.) SIEB. et ZUCC.
70. *Tripterygium regelii* SPRAGUE et TAKEDA
71. *Tsuga canadensis* (L.) CARRIÈRE
72. *Vaccinium corymbosum* L.
73. *Viburnum lantana* L.
74. *Viburnum rhytidophyllum* HEMSL.

* species will be collected on request in 2009

II. Seeds collected in the Třeboň aquatic and marsh plants collection – Czech Republic

A. Kučerová, E. Navrátková, L. Adamec

Location of the Třeboň macrophytes collection:

Latitude: N 49° 00'

Longitude: E 14° 46'
Altitude: 433 m
Area: 0.3 ha
Mean annual precipitation: 627 mm (1901–1950)
Mean annual temperature: 7.8 °C (1901–1950)

75. *Achillea ptarmica* L.
76. *Agrostis canina* L.
77. *Agrostis gigantea* Roth.
78. *Alisma gramineum* LEJ.
79. *Alisma plantago-aquatica* L.
80. *Alisma subcordatum* RAFIN.
81. *Alnus alnobetula* (EHRH.) K. KOCH.
82. *Alopecurus aequalis* SOBOL.
83. *Alopecurus geniculatus* L.
84. *Andromeda polifolia* L.
85. *Beckmannia eruciformis* (L.) HOST
86. *Betonica officinalis* L.
87. *Bidens cernua* L.
88. *Bidens radiata* THUILL.
89. *Blysmus compressus* (L.) LINK
90. *Bolboschoenus maritimus* (L.) PALLA s. str.
91. *Bolboschoenus yagara* (OHWI) Y.C. YANG et M. ZAHN
92. *Butomus umbellatus* L.
93. *Calamagrostis pseudophragmites* (HALLER fil.) KOELER
94. *Caltha palustris* L.
95. *Carex acuta* L.
96. *Carex acutiformis* EHRH.
97. *Carex bohemica* SCHREB.
98. *Carex brizoides* L.
99. *Carex buxbaumii* WAHLENB.
100. *Carex canescens* L.
101. *Carex cespitosa* L.
102. *Carex davalliana* SM.

103. *Carex demissa* HORNEM.
104. *Carex diandra* SCHRANK
105. *Carex distans* L.
106. *Carex disticha* HUDS.
107. *Carex echinata* MURRAY
108. *Carex elata* ALL.
109. *Carex elongata* L.
110. *Carex flacca* SCHREB.
111. *Carex flava* L.
112. *Carex flavella* KRECZ.
113. *Carex grayi* CAREY
114. *Carex hartmanii* CAJANDER
115. *Carex hirta* L.
116. *Carex lasiocarpa* EHRH.
117. *Carex lepidocarpa* TAUSCH
118. *Carex melanostachya* WILLD.
119. *Carex nigra* (L.) REICHARDT
120. *Carex otrubae* PODP.
121. *Carex ovalis* GOOD.
122. *Carex pallescens* L.
123. *Carex panicea* L.
124. *Carex paniculata* L.
125. *Carex paupercula* Michx.
126. *Carex pseudocyperus* L.
127. *Carex remota* L.
128. *Carex riparia* CURTIS
129. *Carex secalina* WAHLENB.
130. *Carex tomentosa* L.
131. *Carex vesicaria* L.
132. *Carex vulpina* L.
133. *Carex ×elytroides* FRIES
134. *Carex ×vratislaviensis* FIGERT
135. *Catabrosa aquatica* (L.) P.B.
136. *Centaurium pulchellum* (SW.) DRUCE
137. *Ceratophyllum demersum* L.

138. *Centunculus minimus* L.
139. *Chenopodium glaucum* L.
140. *Chenopodium polyspermum* L.
141. *Chenopodium rubrum* L.
142. *Cicuta virosa* L.
143. *Cirsium palustre* (L.) SCOP.
144. *Cotula coronopifolia* L.
145. *Cyperus flavescens* L.
146. *Cyperus fuscus* L.
147. *Cyperus papyrus* L.
148. *Dactylorhiza incarnata* (L.) Soó
149. *Dactylorhiza majalis* (RCHB.) HUNT et SUMMERHAYES
150. *Deschampsia cespitosa* (L.) P.B.
151. *Drosera intermedia* HAYNE
152. *Drosera rotundifolia* L.
153. *Dryopteris cristata* (L.) A.GR.
154. *Echinochloa crus-galli* (L.) P.B.
155. *Eleocharis acicularis* (L.) ROEM. et SCHULT.
156. *Eleocharis ovata* (ROTH) ROEM. et SCHULT.
157. *Eleocharis palustris* (L.) ROEM. et SCHULT.
158. *Eleocharis quinqueflora* (F.X.HARTMANN) O.SCHWARZ
159. *Eleocharis uniglumis* (LINK) SCHULT.
160. *Epilobium hirsutum* L.
161. *Epilobium tetragonum* L.
162. *Epipactis palustris* (L.) CRANTZ
163. *Eriophorum angustifolium* HONCK.
164. *Eriophorum gracile* KOCH
165. *Eriophorum latifolium* HOPPE
166. *Eriophorum russeolum* FRIES
167. *Eriophorum vaginatum* L.
168. *Filipendula ulmaria* (L.) MAXIM.
169. *Geum rivale* L.
170. *Glyceria fluitans* (L.) R.BR.
171. *Glyceria maxima* (HARTMAN) HOLMBERG
172. *Gnaphalium uliginosum* L.

173. *Gratiola officinalis* L.
174. *Groenlandia densa* (L.) FOURR.
175. *Holcus lanatus* L.
176. *Hydrocotyle vulgaris* L.
177. *Illecebrum verticillatum* L.
178. *Iris pseudacorus* L.
179. *Iris sibirica* L.
180. *Iris versicolor* L.
181. *Isolepis setacea* (L.) R.BR.
182. *Juncus alpinoarticulatus* CHAIX
183. *Juncus articulatus* L.
184. *Juncus bufonius* L.
185. *Juncus bulbosus* L.
186. *Juncus capitatus* WEIGEL
187. *Juncus compressus* JACQ.
188. *Juncus conglomeratus* L.
189. *Juncus filiformis* L.
190. *Juncus gerardii* LOISEL.
191. *Juncus inflexus* L.
192. *Juncus squarrosus* L.
193. *Juncus tenuis* WILLD.
194. *Laserpitium prutenicum* L.
195. *Lathyrus pratensis* L.
196. *Ledum palustre* L.
197. *Leersia oryzoides* SW.
198. *Leucanthemella serotina* (L.) TZVELEV
199. *Leucojum aestivum* L.
200. *Lotus uliginosus* SCHKUHR
201. *Luronium natans* (L.) RAFIN.
202. *Lychnis flos-cuculi* L.
203. *Lycopus europaeus* L.
204. *Lycopus exaltatus* L. fil.
205. *Lysimachia thyrsoflora* L.
206. *Lysimachia vulgaris* L.
207. *Lythrum salicaria* L.

208. *Lythrum virgatum* L.
209. *Medicago lupulina* L.
210. *Mentha aquatica* L.
211. *Menyanthes trifoliata* L.
212. *Molinia arundinacea* SCHRANK
213. *Montia fontana* L. s. str.
214. *Myosotis palustris* (L.) L.
215. *Myosurus minimus* L.
216. *Nelumbo nucifera* GAERTN.
217. *Nuphar lutea* (L.) SM.
218. *Nuphar pumila* (TIMM) DC.
219. *Nuphar* × *spenneriana* GAUDIN
220. *Nymphaea alba* L.
221. *Nymphaea candida* J. PRESL
222. *Nymphoides peltata* (S.G.GMEL.) O.KUNTZE
223. *Peplis portula* L.
224. *Phalaris arundinacea* L.
225. *Potamogeton acutifolius* LINK.
226. *Potamogeton coloratus* HORNEM. L.
227. *Potamogeton crispus* L.
228. *Potamogeton lucens* L.
229. *Potamogeton natans* L.
230. *Potamogeton obtusifolius* MERT. et KOCH
231. *Potamogeton pectinatus* L.
232. *Potamogeton polygonifolius* POURR.
233. *Potentilla palustris* (L.) SCOP.
234. *Pseudognaphalium luteoalbum* (L.) HILLIARDT et BURTT
235. *Pseudolysimachion maritimum* (L.) Á. LÖVE
236. *Puccinellia distans* (L.) PARL.
237. *Radiola linoides* ROTH
238. *Ranunculus acris* L.
239. *Ranunculus flammula* L.
240. *Ranunculus lingua* L.
241. *Ranunculus sceleratus* L.
242. *Rhynchospora alba* (L.) VAHL

243. *Rhynchospora fusca* (L.) AIT. fil.
244. *Rumex hydrolapathum* HUDS.
245. *Salix pentandra* L.
246. *Sagittaria latifolia* WILLD.
247. *Sagittaria sagittifolia* L.
248. *Salvinia natans* (L.) ALL.
249. *Samolus valerandi* L.
250. *Sanguisorba officinalis* L.
251. *Sarracenia purpurea* L. s. str.
252. *Schoenoplectus tabernaemontani* (C.C.GMEL.) PALLA
253. *Schoenoplectus triqueter* (L.) PALLA
254. *Scirpus radicans* SCHKUHR
255. *Scirpus sylvaticus* L.
256. *Scorzonera humilis* L.
257. *Scutellaria galericulata* L.
258. *Sedum villosum* L.
259. *Selinum carvifolia* (L.) L.
260. *Senecio paludosus* L.
261. *Sonchus palustris* L.
262. *Sparganium emersum* REHMANN
263. *Sparganium erectum* L. subsp. *erectum*
264. *Spergularia maritima* (ALL.) CHIOVENDA
265. *Spiraea salicifolia* L.
266. *Stachys palustris* L.
267. *Succisa pratensis* MOENCH
268. *Tephrosieris crispa* (JACQ.) SCHUR
269. *Thelypteris palustris* SCHOTT
270. *Tillaea aquatica* L.
271. *Triglochin maritima* L.
272. *Triglochin palustre* L.
273. *Typha angustifolia* L.
274. *Typha domingensis* PERS.
275. *Typha latifolia* L.
276. *Typha laxmannii* LEPECH.
277. *Typha minima* HOPPE

278. *Typha shuttleworthii* KOCH et SONDER
279. *Veronica scutellata* L.
280. *Viola elatior* FRIES
281. *Viola palustris* L.
282. *Viola stagnina* SCHULT.
283. *Zannichellia palustris* L.

Ordering of the seeds

The seed is the result of open pollination. We cannot guarantee either its purity or germination. Please, write your desiderata on the enclosed order form which should be sent before April 1st 2009. Please, do not order more than 20 packages.

Please note:

Agreement on the exchange of plant material¹ in botanic gardens/ botanic collections for non-commercial use

Since the Convention on Biological Diversity of 1992 (CBD) entered into force, it has become necessary for botanical gardens to comply in particular with Article 15 (Access to genetic resources), especially in connection with the exchange of plant material.

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

Consequently, only those persons and institutions who accept the following conditions will receive plant material from garden's collection:

1. On the basis of agreement, the material is intended to serve for non-commercial purposes like scientific study, education and the interests of environmental protection. If the recipient intends to commercialise the material or if he intends to supply the material for commercial purposes, he has to obtain the Prior Informed Consent of the country of origin and to agree the terms and conditions of benefit sharing. In this context, the garden shall expressly indicate that, in the event of commercial use, the user is responsible for ensuring that there is suitable and equitable share of benefit.
2. Upon accepting plant material from the garden, the recipient is obliged to document in a comprehensible manner the information relating to the origin of the material (country of origin, first recipient garden, donor of the material, date of collecting in the wild) as well as the terms and conditions, under which the material has been acquired.
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 send to the garden automatically, without request.
4. The garden will forward information on the material supply on request to the authority instructed with the implementation of the CBD².
5. The recipient may only supply plant material on the basis and under the conditions of this agreement and has to document the supply (list of transferred plants, recipient) in a comprehensible manner.

I accept the above conditions.

Date, Signature

Recipient's name, address and stamp

¹ Botanic Gardens normally exchange living plant material (living plants or part of plants, spores, diaspores). Since this Code of Conduct has been developed by Botanic Gardens in this context the term „ living plant material“ is used. Nevertheless, the living material from Botanic Gardens is usable as genetic resources as defined in the CBD.



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