SLEZSKÉ ZEMSKÉ MUZEUM

INDEX SEMINUM NOVODVORENSIS 62.

ARBORETUM NOVÝ DVŮR

SLEZSKÉ ZEMSKÉ MUZEUM

CZECH REPUBLIC

2023/2024

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62.

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ARBORETUM NOVÝ DVŮR

SLEZSKÉ ZEMSKÉ MUZEUM
ARBORETUM NOVÝ DVŮR
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CZECH REPUBLIC

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GENERAL INFORMATION
Established in: 1958
Geographical location: 17°46´50´´E, 49°56´12´´N
Altitude: 336–354 m
Area: 23 hectares

CLIMATIC CONDITIONS (OPAVA)
Annual mean temperature (1876–1975): 8,2°C
Annual rainfall (1876–1975): 621 mm

*) The picture from title page display flower *Broussonetia papyrifera* from the Nový Dvůr Arboretum (Urbanová, 26. 10. 2023)

HISTORY OF THE NOVÝ DVŮR ARBORETUM

The Nový Dvůr Arboretum is one of the six exhibition premises of the Silesian Museum. It is a botanical garden with a special focus on dendrology, i.e. the study of trees. The arboretum enjoys a special status within the museum, as no other part of the institution administers living exhibits.

The origin of the arboretum are closely linked to the owner of the Nový Dvůr estate, Quido Riedel (1878–1946). During his time in Nový Dvůr (1906–28) Riedel, with exquisite taste, created a natural, landscaped park in a modestly-sized area of 1,8 hectares, and which contained up to 500 tree species and cultivars from both home and abroad. This park became the foundation for the current arboretum and forms the historical section of the dendrological exhibition, which gradually expanded to its current 23 hectares. In 1928 Quido Riedel returned to his native Bílá Lhota, near the town of Litovel, where, on slightly less than 3 hectares of land, he laid out a similarly impressive park, with a rich collection of trees that later became the foundation for the Bílá Lhota Arboretum. Riedel left the Nový Dvůr estate to his daughter, Elisabeth Schubert and son-in-law Walter Schubert, who tended to the park until the end of the Second World War.

Quido Riedel, founder of the Nový Dvůr park exhibition, pictured at his native Bílá Lhota near Litovel (1945)

In the post-war period the Nový Dvůr estate went through a number of owners, while the park was deprived of expert supervision and became overgrown and neglected.

The situation changed in 1958, when the park – one of the most valuable dendrological sites in Silesia – was given to the Silesian Museum, which set up the arboretum. The historical part of the dendrological exhibition has been preserved in its natural, landscaped form and, apart from the value of the trees as a collection, the park itself is of immense

worth due to its design and composition. The basic structure of the park Quido Riedel, founder of the Nový Dvůr park exhibition, pictured at his native Bílá Lhota near Litovel (1945) 5consists of fully-grown, solitary or grouped pine trees of the Heraltice ecotype, or vegetation surrounding them, which alternate with grassy open spaces. The compositional design of the park allows views of interesting tree combinations showing contrasting structures, textures, habits, autumn colouration or colour and intensity of blossoming.

The newer parts of the dendrological exhibition are based on a different concept. The overall composition is, here, subordinate to the division of the park into geographical units; under the overall title of 'The Trees of Five Continents', each section contains geographically related species. Between 1967–70 a large greenhouse complex was built over an area of 1,300 m^2, containing an exhibition of subtropical and tropical plants. This complex was open to visitors for 30 years before it had to be demolished in 2000 due its poor technical condition. It was replaced with a fully-equipped silvicultural greenhouse, part of which was opened to the public in 2010 in the form of a small greenhouse exhibition.

The new manor house was built in the Neo-Renaissance style by Baron Antonín Luft following his acquisition of the Nový Dvůr estate, and used by Quido Riedel between 1906–28. After 1958, it was became the administrative building of the newly established arboretum. The issue of the first Index Seminum Novodvorensis has been dated since 1960.

View of Nový Dvůr manor house from years 1914–1920

GYMNOSPERMAE

CUPRESSACEAE

1.	*Cupressus bakeri* Jeps.	0191-90-10
2.	*Juniperus communis* L.	228/980
3.	*Juniperus semiglobosa* Regel	87294

PINACEAE

4.	*Larix gmelinii* var. *principis – rupprechtii* (Mayr) Pilg.	0295-90-10
5.	*Larix kaempferi* (Lamb.) Carrière	1448-94-10
6.	*Larix laricina* (Du Roi) K. Koch	1433
7.	*Picea koraiensis* Nakai	109/82
8.	*Pinus rotundata* Link	852/474
9.	*Tsuga canadensis* Carrière	
10.	*Tsuga heterophylla* Sarg.	0113-91-70

TAXACEAE

11.	*Taxus baccata* L.	0679-93-10
12.	*Taxus caespitosa* Nakai	89033
13.	*Taxus canadensis* Marshall	25/81
14.	*Torreya californica* Torr.	1215-96-80

TAXODIACEAE

15.	*Cryptomeria japonica* D. Don	90292
16.	*Cryptomeria japonica* D. Don	
17.	*Cryptomeria japonica* D. Don	1201-96-10
18.	*Metasequoia glyptostroboides* Hu & W. C. Cheng	89020

ANGIOSPERMAE

ACERACEAE

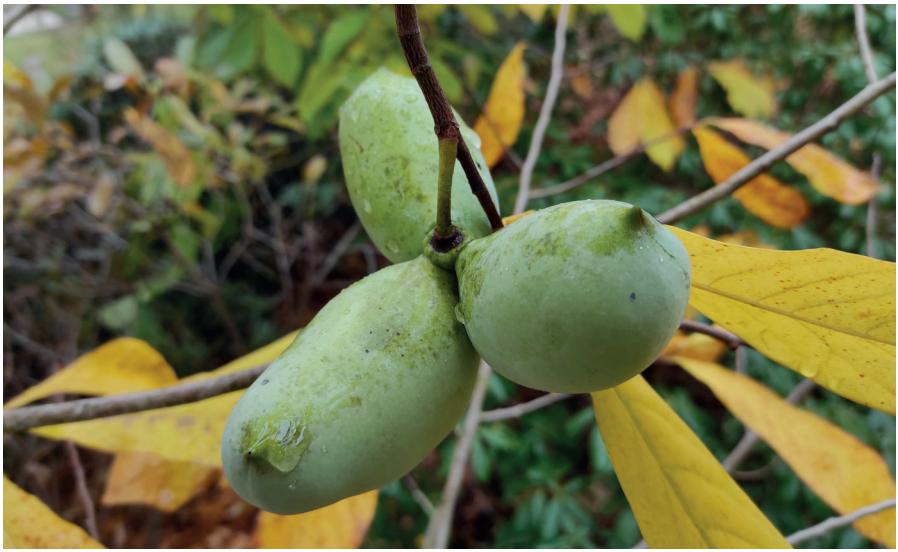
19.	*Acer barbinerve* Maxim.	0539-02-70
20.	*Acer buergerianum* Miq.	
21.	*Acer ginnala* Maxim.	1932-92-10
22.	*Acer ginnala* Maxim.	2242-93-10
23.	*Acer laxiflorum* Pax	89287
24.	*Acer macrophyllum* Pursh.	18 J
25.	*Acer opalus* Mill. subsp. *opalus*	1199-93-10
26.	*Acer opalus* var. *tomentosum* (Tausch) Rehder	
27.	*Acer pseudo-sieboldianum* (Pax) Komar.	95/77
28.	*Acer tataricum* L.	0468-07-10

ANACARDIACEAE

29. *Cotinus coggygria* Scop.

ANNONACEAE

30. *Asimina triloba* (L.) Dunal



Asimina triloba (L.) Dunal from the Nový Dvůr Arboretum (Urbanová, 21. 11. 2023)

	AQUIFOLIACEAE	
31.	*Ilex verticillata* (L.) A. Gray	86172
	ARALIACEAE	
32.	*Acanthopanax sieboldianus* Makino	88162
33.	*Acanthopanax sieboldianus* Makino	0108-87-10
	BERBERIDACEAE	
34.	*Berberis amurensis* Rupr. var. *japonica* (Regel) Rehd.	2694-92-10
35.	*Berberis thunbergii* DC.	
36.	*Mahonia nervosa* (Pursh) Nutt.	90432
	BETULACEAE	
37.	*Alnus cordata* (Loisel.) Desf.	2154-93-40
38.	*Betula carpatica* Waldst. et Kit. ex Willd.	0156-04-70
39.	*Betula concinna* Gunnarsson	1734-92-10
40.	*Betula ermanii* Cham.	0825-91-10
41.	*Betula ermanii* Cham.	1691-94-10
42.	*Betula chinensis* Maxim.	0507-91-10
43.	*Betula ovalifolia* Rupr.	0794-91-40
44.	*Betula oycoviensis* Besser	1497
45.	*Betula papyrifera* Marshall	0346-92-10
46.	*Betula platyphylla* var. *japonica* (Miq.) H. Hara	
47.	*Betula pubescens* Ehrh.	0789-91-10
48.	*Betula pubescens* Ehrh.	1645
49.	*Betula pubescens* Ehrh.	0632-91-10
50.	*Betula pubescens* subsp. *carpatica* (Waldst. & Kit. ex Willd.) Asch. & Graebn.	0549-91-10
51.	*Betula pubescens* subsp. *tortuosa* (Ledeb.) Nyman	1908-92-10
52.	*Betula tatewakiana* M. Ohki & S. Watan.	1137-92-70

	BIGNONIACEAE	
53.	*Catalpa bignonioides* Walter	
54.	*Catalpa bungei* C. A. Mey	0450-08-70
55.	*Catalpa ovata* G. Don	0307-06-70
56.	*Catalpa x erubescens* Carrière	0823-06-70
57.	*Catalpa x galleana* Dode	0582-05-70
	CAPRIFOLIACEAE	
58.	*Kolkwitzia amabilis* Graebn.	0713-95-80
59.	*Kolkwitzia amabilis* Graebn.	3222-94-83
60.	*Lonicera alpigena* L. var. *glehnii* (Schmidt) Nakai	0476-94-10
61.	*Lonicera fragrantissima* Lindl. & Paxton	1708-10-70

Lonicera fragrantissima Lindl. & Paxton from the Nový Dvůr Arboretum (Polášková, 15. 2. 2023)

62.	*Lonicera japonica* Thunb.	1811-10-70
63.	*Lonicera morrowii* A. Gray	1593-10-70
64.	*Lonicera subhispida* Nakai	0998-93-70
65.	*Lonicera tatarica* L.	0777-10-70
66.	*Lonicera xylosteum* L.	2294-92-10
67.	*Sambucus racemosa* L. f. *aureocarpa*	90525
68.	*Viburnum alnifolium* Marshall	0394-04-70
69.	*Viburnum burejaeticum* Regel	87368
70.	*Viburnum carlesii* Hemsl.	
71.	*Viburnum carlesii* Hemsl.	
72.	*Viburnum cassinoides* L.	176/78
73.	*Viburnum cotinifolium* D. Don	0642-05-70
74.	*Viburnum macrocephalum* Fortune	0330-05-70
75.	*Viburnum mongolicum* (Pall.) Rehder	0299-05-70
76.	*Viburnum rhytidophyllum* Hemsl.	0428-99-80
77.	*Viburnum trilobum* Marshall	0359-05-70
78.	*Viburnum trilobum* Marshall	0451-03-70
79.	*Viburnum wrightii* Miq.	1377-93-40

Viburnum trilobum Marshall from the Nový Dvůr Arboretum (Urbanová, 15. 2. 2023)

	CELASTRACEAE	
80.	*Euonymus alatus* Thunb.	0180-14-80
81.	*Euonymus europaeus* L.	0455-15-70
82.	*Euonymus europaeus* L. var. *angustifolius* K. F. Schulz	390/80
83.	*Euonymus latifolius* (L.) Mill.	0490-13-70
84.	*Euonymus macropterus* Rupr.	67/79
85.	*Euonymus oxyphyllus* Miq.	0054-15-70
86.	*Euonymus planipes* (Koehne) Koehne	509/78
87.	*Euonymus sieboldianus* Blume	1516-94-40
	CORNACEAE	
88.	*Cornus alternifolia* L. f.	1916-10-70
89.	*Cornus baileyi* Coult. & Evans.	0158-07-70
90.	*Cornus kousa* (Bürger) Hance var. *kousa*	
91.	*Cornus mas* L.	2395-92-10
92.	*Cornus mas* L.	1858-93-10
93.	*Cornus pumila* Koehne	1918-10-70
94.	*Cornus walteri* Wanger.	1919-10-70
	CORYLACEAE	
95.	*Carpinus caroliniana* Walter	1457-93-50
96.	*Carpinus caroliniana* Walter	1974-93-10
97.	*Carpinus caroliniana* Walter	1271-93-10
98.	*Carpinus japonica* Blume	0938-91-10
99.	*Carpinus laxiflora* (Siebold & Zucc.) Blume	2687-92-10
100.	*Carpinus orientalis* Mill.	0455-07-70
101.	*Ostrya virginiana* (Mill.) K. Koch	85219
	EBENACEAE	
102.	*Diospyros virginiana* L.	

Pieris japonica (Thunb.) D. Don ex G. Don from the Nový Dvůr Arboretum (Polášková, 18. 4. 2023)

	ERICACEAE	
103.	*Gaultheria miqueliana* Takeda	
104.	*Gaultheria shallon* Pursh	
105.	*Lyonia mariana* D. Don	85018
106.	*Pieris japonica* (Thunb.) D. Don ex G. Don	
107.	*Pieris japonica* (Thunb.) D. Don ex G. Don	1797-92-10
108.	*Vaccinium arctostaphylos* L.	0656-91-10
109.	*Vaccinium arctostaphylos* L.	0408-91-10
110.	*Vaccinium caespitosum* Michx.	0275-94-10
111.	*Vaccinium corymbosum* L.	0251-15-70

FABACEAE	
112. Amorpha fruticosa L.	0299-84-10
113. Caragana manshurica Kom.	0855-91-40
114. Cercis canadensis L.	
115. Colutea arborescens L.	2275-10-70
116. Laburnocytisus adami (Poit.) C. K. Schneid.	1871-94-80
117. Laburnocytisus adami (Poit.) C. K. Schneid.	2202-96-80
118. Laburnum alpinum J. Presl	0530-08-70
FAGACEAE	
119. Quercus bicolor Willd.	84729
120. Quercus ilicifolia Wangenh.	0332-01-70
121. Quercus imbricaria Michx.	
122. Quercus phellos L.	2599-93-10
123. Quercus prinus L.	0767-84-70
124. Quercus pubescens Willd.	975 CH
125. Quercus stellata Wangenh.	3/81
126. Quercus velutina Lam.	2716-93-74
HAMAMELIDACEAE	
127. Corylopsis sinensis Hemsl.	0400-04-70
128. Corylopsis spicata Siebold & Zucc.	0228-15-70
129. Corylopsis spicata Siebold & Zucc.	0464-15-70
130. Fothergilla major Lodd.	
131. Fothergilla major Lodd.	1187-99-80
132. Hamamelis japonica Sieb. et Zucc.	1033-02-70
133. Hamamelis mollis Oliv.	
134. Hamamelis vernalis Sarg.	0113-03-70
135. Hamamelis vernalis Sarg.	0335-05-70
136. Hamamelis vernalis Sarg.	47/77

137. Hamamelis vernalis Sarg. 0201-00-70
138. Hamamelis virginiana L. 2495-93-10
139. Hamamelis virginiana L.
140. Hamamelis virginiana L. 0490-93-10

HIPPOCASTANACEAE

141. Aesculus parviflora Walter

HYDRANGEACEAE

142. Deutzia glauca Cheng 2743-94-83
143. Deutzia maximowicziana Makino 1644-10-70
144. Philadelphus brachybotrys Koehne
var. *laxiflorus* (cheng) S. Y. Hu 0285-95-70
145. Philadelphus incanus Koehne 0280-06-10
146. Philadelphus magdalenae Koehne 1836-10-70
147. Philadelphus microphyllus A. Gray var. *sargentii* 124/81
148. Philadelphus pekinensis Rupr. 1412-94-70
149. Philadelphus sericanthus
var. *kulingensis* (Koehne) Hand.-Mazz. 1385-92-70
150. Philadelphus schrenkii Rupr. 1327-05-70
151. Philadelphus schrenkii Rupr. 1232-95-10

LAMIACEAE

152. Callicarpa japonica Thunb.

LARDIZABALACEAE

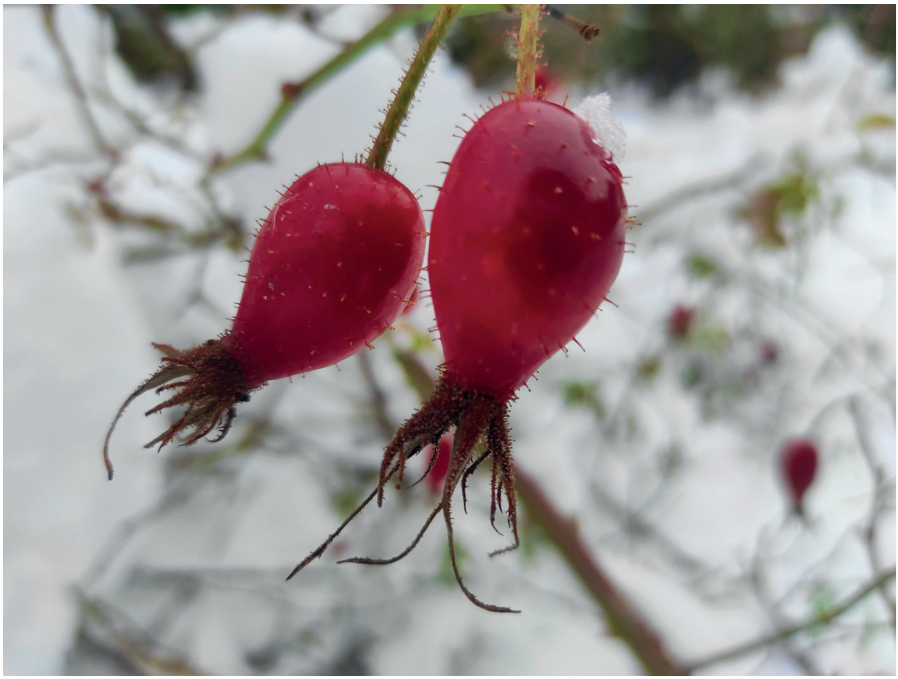
153. Decaisnea fargesii Franch.
154. Decaisnea fargesii Franch. 0634-99-80

Callicarpa japonica Thunb. from the Nový Dvůr Arboretum (Urbanová, 27. 11. 2023)

Decaisnea fargesii Franch. from the Nový Dvůr Arboretum (Urbanová, 23. 10. 2023)

MORACEAE	
155. Broussonetia papyrifera Vent.	
156. Morus rubra L.	1598-10-70
MYRICACEAE	
157. Myrica gale subsp. *tomentosa* C. DC.	90374
OLEACEAE	
158. Forsythia giraldiana Lingelsh.	
159. Ligustrum tschonoskii Decne.	1385-93-40
160. Syringa patula (Palib.) Nakai	90401
161. Syringa reticulata (Blume) Hara	0405-05-10
162. Syringa wolfii C. K. Schneid.	0674-05-70
ROSACEAE	
163. Amelanchier bartramiana (Tausch.) M. Roem.	139/80
164. Amelanchier cusickii Fernald	207
165. Amelanchier laevis Wieg.	684/80
166. Amelanchier laevis Wieg. ´Ballerina´	3388-96-80
167. Amelanchier laevis Wiegand	1548
168. Aronia arbutifolia (L.) Pers.	616/78
169. Aronia arbutifolia (L.) Pers.	85079
170. Berberis brachypoda Maxim.	2056-94-40
171. Cotoneaster aff. *kolaiensis*	0952-97-40
172. Cotoneaster bullatus Bois	
173. Cotoneaster cochleatus (Franch.) G. Klotz	0344-97-70
174. Cotoneaster dielsianus E. Pritz. ex Diels	2093-94-40
175. Cotoneaster giraldii Flinck & B. Hylmö ex G. Klotz	1156-92-70
176. Cotoneaster glomerulatus W. W. Sm.	0346-97-70
177. Cotoneaster horizontalis Decne.	1641-97-10

178. Cotoneaster kullensis B. Hylmö	2388-96-40
179. Cotoneaster roseus Edgew.	
180. Cotoneaster rugosus E. Pritz.	0930-96-70
181. Cotoneaster sikangensis Flinck & B. Hylmö	1164-92-40
182. Cotoneaster splendens Flinck & B. Hylmö	2105-94-40
183. Cotoneaster zabelii C. K. Schneid.	
184. Cotoneaster zabelii C. K. Schneid.	2109-94-40
185. Crataegus calycina Peterm.	0541-94-10
186. Crataegus pedicellata Sarg.	89236
187. Crataegus pontica K. Koch	0777-92-50
188. Crataegus punctata Jacq.	1552-92-10
189. Exochorda racemosa (Lindl.) Rehder	
190. Holodiscus discolor var. *dumosus* (Nutt.) Maxim.	
191. Malus rockii Rehder	3092-92-80
192. Malus sieboldii (Reg.) Rehder	1681-94-10
193. Malus sieboldii (Reg.) Rehder	1947-93-10
194. Malus sylvestris (L.) Mill.	1970-97-10
195. Malus transitoria (Batalin) C. K. Schneid.	0507-14-80
196. Mespilus germanica L.	
197. Prunus incisa Thunb.	85224
198. Prunus jamasakura var. *humilis* Koidz.	0988-91-70
199. Rhodotypos scandens (Thunb.) Makino	0743-15-70
200. Rhodotypos scandens (Thunb.) Makino	62/83
201. Rosa majalis Herrm.	0558-93-10
202. Rosa maximowicziana Regel.	1512-95-40
203. Rosa rubiginosa L.	0548-92-10
204. Rosa rugosa Thunb.	89174
205. Rosa serafini Viv.	0229-07-70
206. Rosa stylosa (strat.)	1392-10-70
207. Rosa stylosa Desv.	0273-08-70



Rosa villosa L. from the Nový Dvůr Arboretum (Urbanová, 5. 12. 2023)

208. Rosa villosa L.	1393-10-70
209. Rosa villosa L.	0295-89-70
210. Rosa vosagiaca Desportes	0066-10-70
211. Rosa woodsii Lindl.	0816-93-10
212. Sorbaria sorbifolia (L.) A. Braun	0480-95-10
213. Sorbus aff. *koehneana*	2117-94-40
214. Sorbus austriaca (Beck.) Hedl.	0619-93-10
215. Sorbus chamaemelispus (L.) Crantz	88220
216. Sorbus redliana Karp.	1152-94-40
217. Sorbus subsimilis Hedl.	1287-93-10

218. Spiraea salicifolia L.	90528
219. Spiraea trichocarpa Nakai	1245-95-10
220. Spiraea trichocarpa Nakai	0088-94-40
221. Spiraea wilsonii Duthie ex. J. H.Veitch	2348-93-80

RUTACEAE

222. Poncirus trifoliata (L.) Raf.	

SAPINDACEAE

223. Koelreuteria paniculata Laxm.	
224. Koelreuteria paniculata Laxm.	0331-02-70

STAPHYLEACEAE

225. Staphylea colchica Steven	
226. Staphylea colchica Steven var. *coulombieri*	1249-93-70
227. Staphylea pinnata L.	0530-91-10
228. Staphylea pinnata L.	0047-91-10
229. Staphylea pinnata L.	0048-91-10
230. Staphylea trifolia L.	2247-92-50

THEACEAE

231. Stewartia serrata Maxim.	0051-99-70

ULMACEAE

232. Celtis tenuifolia Nutt.	2591-93-10
233. Celtis tournefortii Lam.	0412-04-70
234. Hemiptelea davidii (Hance) Planch.	0211-85-10

Stewartia serrata Maxim. from the Nový Dvůr Arboretum (Urbanová, 20. 6. 2023)

New part of the greenhouse exhibition „In the shade of the fern" from the Nový Dvůr Arboretum (Polášková, 3. 4. 2023)

AGREEMENT ON THE SUPPLY OF LIVING PLANT MATERIAL1 FOR NON-COMMERCIAL PURPOSES LEAVING THE INTERNATIONAL PLANT EXCHANGE NETWORK

Against the background of the provisions and decisions of the Convention on Biological Diversity of 1992 (CBD) and in particular those on access to genetic resources and benefit-sharing, the garden is dedicated to promoting the conservation, sustainable use, and research of biological diversity. The garden therefore expects its partners in acquiring, maintaining, and transferring plant material to always act in accordance with the CBD and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material passes on to the recipient upon receipt of the material. The requested plant material will be supplied to the recipient only on the following conditions:

1. Based on this agreement, the plant material is supplied only for non-commercial use such as scientific study and educational purposes as well as environmental protection. Should the recipient at a later date intend a commercial use or a transfer for commercial use, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred. The recipient is responsible for ensuring an equitable sharing of benefits.
2. On receiving the plant material, the recipient endeavours to document the received plant material, its origin (country of origin, first receiving garden, „donor" of the plant material, year of collection) as well as the acquisition and transfer conditions in a comprehensible manner.
3. In the event that scientific publications are produced based on the supplied plant material, the recipient is obliged to indicate the origin of the material (the supplying garden and if known the country of origin) and to send these publications to the garden and to the country of origin without request.
4. On request, the garden will forward relevant information on the transfer of the plant material to the body charged with implementing the CBD2.
5. The recipient may transfer the received plant material to third parties only under these terms and conditions and must document the transfer in a suitable manner (e.G. By using the documentation form, such as provided in Annex 1.3).

I accept the above conditions.

Date, signature recipient's name and address, stamp

[1] According to the CBD „genetic resources" means genetic material of actual or potential value. This definition covers both living and not living material. The Code of Conduct and the [PEN covers only the exchange of living plant material (living plants or parts of plants, diaspores) thus falling in the definition of genetic resources.
[2] ideally, the national focal point in the garden's home country

DESIDERATA 2023/2024

ARBORETUM NOVÝ DVŮR *SLEZSKÉ ZEMSKÉ MUZEUM* *NOVÝ DVŮR 29* *746 01 STĚBOŘICE* *CZECH REPUBLIC* *E-mail: arboretum@szm.cz*	*Contact Person, Institute & Your Address:* *E-mail:* *Phone:*

In response to the International Convention of Biological Diversity (Rio de Janeiro, 1992), the Nový Dvůr Arboretum supplies the seed collections requested on the condition that:

1. *They used for common good in the areas of research, trailing, breeding, education and the development of public botanic gardens.*
2. *If the recipient seeks to comercialise the genetic material, its products or research derived from it, then permission must be sought from the Nový Dvůr Arboretum. Such commercialization will be subject to a separate agreement.*
3. *The genetic material, its products or research derived from it are not passed to a third party for commercialization without written permission from the Nový Dvůr Arboretum.*

I agree to comply with the conditions above.

Date, Signature: *Stamp:*

Yout seed order:

*Please, limit your order to **30 numbers** and return this signed form by **31th May 2024.** Warning: We only distribute seeds after receiving this form, signed and filled in, thank you.*