



# INDEX SEMINUM

NOVODVORENSIS

51.



ARBORETUM NOVÝ DVŮR  
SLEZSKÉ ZEMSKÉ MUZEUM

2012/2013

**INDEX SEMINUM NOVODVORENSIS  
51.**

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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 displays unusual confluence of blooming and autumn leaf colouring of Dahurian Rhododendron - *Rhododendron dauricum* L. from the Nový Dvůr Arboretum (18. 10. 2012).

### **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 Riedl (1878-1946). During his time in Nový Dvůr (1906-28) Riedl, 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 Riedl 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. Riedl 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 consists of fully-grown, solitary or grouped pine trees of the Heraltice

## *History of the Nový Dvůr Arboretum*

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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<sup>2</sup>, 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 Guido Riedl between 1906-28. After 1958, it was became the administrative building of the newly established arboretum.

The issue of the first Index Seminum Novodvorenensis has been dated since 1960.



*View of Nový Dvůr manor house from years 1914-1920*

**SEEDS COLLECTED IN THE NOVÝ DVŮR ARBORETUM**

**GYMNOSPERMAE**

**CUPRESSACEAE**

- |    |   |            |
|----|---|------------|
| 1. | <i>Juniperus communis</i> L.            | 228/980    |
| 2. | <i>Juniperus rigida</i> Siebold & Zucc. | 0984-91-70 |
| 3. | <i>Juniperus scopulorum</i> Sarg.       | 0636-96-10 |
| 4. | <i>Microbiota decussata</i> Kom.        | 0941-91-10 |
| 5. | <i>Thuja occidentalis</i> L.            | 785/274    |

**PINACEAE**

- |     |   |            |
|-----|---|------------|
| 6.  | <i>Abies koreana</i> E. H. Wilson                 |            |
| 7.  | <i>Abies pinsapo</i> Boiss.                       |            |
| 8.  | <i>Abies procera</i> Rehder                       |            |
| 9.  | <i>Cedrus deodara</i> (Roxb. ex D. Don) G. Don    |            |
| 10. | <i>Larix gmelinii</i> (Rupr.) Kuzen.              | 86183      |
| 11. | <i>Larix laricina</i> (Du Roi) K. Koch            | 1433       |
| 12. | <i>Larix laricina</i> (Du Roi) K. Koch            | 1593       |
| 13. | <i>Larix ledebourii</i> Rupr.                     | 695/78     |
| 14. | <i>Larix leptolepis</i> Hort. ex Endl.            | 1448-94-10 |
| 15. | <i>Larix maritima</i> Sukacz.                     | 0120-85-10 |
| 16. | <i>Picea abies</i> (L.) H. Karst.      'Acrocona' | 1542-94-80 |
| 17. | <i>Pinus contorta</i> Douglas                     |            |
| 18. | <i>Pinus densiflora</i> Siebold & Zucc.           | 976        |
| 19. | <i>Tsuga canadensis</i> Carrière                  |            |
| 20. | <i>Tsuga caroliniana</i> Engelm.                  |            |
| 21. | <i>Tsuga mertensiana</i> Sarg.                    |            |

**TAXACEAE**

- |     |  |            |
|-----|--|------------|
| 22. | <i>Taxus baccata</i> L.                        | 0679-93-10 |
| 23. | <i>Taxus media</i> Rehder      'Sargentii'     | 616/1183   |
| 24. | <i>Taxus media</i> Rehder      'Thayerae'      | 527/1182   |
| 25. | <i>Taxus media</i> Rehder      'Anthony Wayne' | 497/1082   |

## Seeds collected in the Nový Dvůr Arboretum

### TAXODIACEAE

- |     |   |       |
|-----|---|-------|
| 26. | <i>Cryptomeria fortunei</i> Otto & A. Dietr | 90292 |
| 27. | <i>Cryptomeria japonica</i> D. Don          |       |
| 28. | <i>Cunninghamia lanceolata</i> Hook.        | 144X  |

### ANGIOSPERMAE

#### ACERACEAE

- |     |  |                        |
|-----|--|------------------------|
| 29. | <i>Acer buergerianum</i> Miq.                                  | 323/78                 |
| 30. | <i>Acer campestre</i> L.                                       | ‘Red Shine’ 3373-96-80 |
| 31. | <i>Acer circinatum</i> Pursh                                   | 1970-92-10             |
| 32. | <i>Acer davidii</i> Franch. ssp. <i>grosseri</i> (Pax) De Jong | 85064                  |
| 33. | <i>Acer ginnala</i> Maxim.                                     | 2242-93-10             |
| 34. | <i>Acer ginnala</i> Maxim.                                     | 1932-92-10             |
| 35. | <i>Acer laxiflorum</i> Pax                                     | 89287                  |
| 36. | <i>Acer mandshuricum</i> Maxim.                                |                        |
| 37. | <i>Acer mandshuricum</i> Maxim.                                |                        |
| 38. | <i>Acer negundo</i> L.   | ‘Flamingo’ 2050-92-80  |
| 39. | <i>Acer negundo</i> L. var. <i>violaceum</i> (Kirchn.) Jäger   | 2255-96-80             |
| 40. | <i>Acer palmatum</i> Thunb.                                    |                        |
| 41. | <i>Acer platanoides</i> L.                                     | ‘Disectum’             |
| 42. | <i>Acer rufinerve</i> Siebold & Zucc.                          | 910                    |
| 43. | <i>Acer spicatum</i> Lam.                                      | 1031-95-10             |
| 44. | <i>Acer tataricum</i> L.                                       | 2164-94-10             |
| 45. | <i>Acer tataricum</i> L.                                       |                        |

#### ACTINIDIACEAE

- |     |                              |  |
|-----|------------------------------|--|
| 46. | <i>Actinidia arguta</i> Miq. |  |
|-----|------------------------------|--|

#### AQUIFOLIACEAE

- |     |                                  |        |
|-----|----------------------------------|--------|
| 47. | <i>Ilex aquifolium</i> L.        |        |
| 48. | <i>Ilex verticillata</i> A. Gray | 186172 |

## Seeds collected in the Nový Dvůr Arboretum

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Attractive pink-tinged flowers and purple-reddish autumn foliage of Fragrant Viburnum - *Viburnum farreri* Stearn during October (8. 10. 2012)



Autumn reddish foliage of Trident Maple - *Acer buergerianum* Miq. (8. 10. 2012)



## Seeds collected in the Nový Dvůr Arboretum

### AQUIFOLIACEAE

- |     |  |            |
|-----|--|------------|
| 49. | <i>Ilex x aquipernyi</i> Gable ex Whittem.       | 88192      |
| 50. | <i>Ilex x meserveae</i> S. Y. Hu 'Blue Stallion' | 2453-95-80 |

### ARALIACEAE

- |     |   |            |
|-----|---|------------|
| 51. | <i>Acanthopanax setchuenensis</i> Harms | 1339-96-10 |
| 52. | <i>Acanthopanax sieboldianus</i> Makino | 87108      |
| 53. | <i>Aralia chinensis</i> Blume           | 0305-91-70 |
| 54. | <i>Eleutherococcus henryi</i> Oliv.     |            |

### BERBERIDACEAE

- |     |  |            |
|-----|--|------------|
| 55. | <i>Berberis aggregata</i> C. K. Schneid. | 0115-98-40 |
| 56. | <i>Berberis medogensis</i> T. S. Ying    | 0700-94-10 |
| 57. | <i>Berberis thunbergii</i> DC.           |            |
| 58. | <i>Berberis thunbergii</i> DC. 'Aurea'   | 88502      |
| 59. | <i>Berberis vulgaris</i> L.              | 0166-92-10 |
| 60. | <i>Berberis wilsoniae</i> Hemsl.         | 2061-94-40 |

### BETULACEAE

- |     |  |            |
|-----|--|------------|
| 61. | <i>Alnus cordata</i> (Loisel.) Duby                                      | 2154-93-40 |
| 62. | <i>Alnus fruticosa</i> Rupr.   | 0623-91-10 |
| 63. | <i>Alnus glutinosa</i> (L.) Gaertn.                                      |            |
| 64. | <i>Alnus hirsuta</i> Turcz.  | 3098-91-20 |
| 65. | <i>Alnus hirsuta</i> Turcz.  | 0436-94-10 |
| 66. | <i>Alnus inokumae</i> Murai & Kusaka                                     | 1292-94-10 |
| 67. | <i>Alnus japonica</i> Siebold & Zucc.                                    | 2001-92-10 |
| 68. | <i>Alnus kamtschatica</i> (Callier) Komarov                              | 0823-91-10 |
| 69. | <i>Alnus mandshurica</i> (Callier) Hand. - Mazz. var. <i>mandshurica</i> | 1211-95-10 |

## Seeds collected in the Nový Dvůr Arboretum

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### BETULACEAE

70.	<i>Alnus maritima</i> (Marshall) Nutt.	87 531
71.	<i>Alnus rugosa</i> Hort. ex Regel	0113-92-10
72.	<i>Alnus rugosa</i> Hort. ex Regel	90162
73.	<i>Alnus sibirica</i> Fisch. ex Turcz.	1260-95-10
74.	<i>Alnus sinuata</i> (Regel) Rydb.	0809-91-10
75.	<i>Betula concinna</i> Gunnarsson	1734-92-10
76.	<i>Betula ermanii</i> Cham.	1691-94-10
77.	<i>Betula glandulifera</i> B. T. Butler var. <i>glandulifera</i>	190419
78.	<i>Betula grossa</i> Siebold & Zucc.	0663-91-10
79.	<i>Betula humilis</i> Marshall	2732-95-40
80.	<i>Betula humilis</i> Schrank	84/78
81.	<i>Betula jacquemontii</i> Spach	
82.	<i>Betula lenta</i> L. ssp. <i>lenta</i>	0482-93-10
83.	<i>Betula litwinowii</i> Doluch.	1295-93-10
84.	<i>Betula maximowicziana</i> Regel	0446-91-70
85.	<i>Betula occidentalis</i> Hook.	88170
86.	<i>Betula ovalifolia</i> Rupr.	0794-91-40
87.	<i>Betula oycoviensis</i> Besser	1501
88.	<i>Betula paishanensis</i> Nakai	0677-91-10
89.	<i>Betula papyrifera</i> Marshall	0346-92-10
90.	<i>Betula platyphylla</i> Sukaczew	1215-95-10
91.	<i>Betula platyphylla</i> Sukaczew var. <i>japonica</i> (Miq.) Hara	
92.	<i>Betula populifolia</i> Marshall	1810
93.	<i>Betula pubescens</i> Ehrh.	1645
94.	<i>Betula pubescens</i> Ehrh.	0607-92-10
95.	<i>Betula pumila</i> L.	0634-91-10
96.	<i>Betula tatewakiana</i> M. Ohki & S. Watan.	1137-92-70
97.	<i>Betula x purpusii</i> Schneid.	356/80

### BIGNONIACEAE

98.	<i>Catalpa bignonioides</i> Walter	
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## Seeds collected in the Nový Dvůr Arboretum

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Remarkable autumn yellow foliage of Magnificent Katsura Tree - *Cercidiphyllum magnificum* (Nakai) Nakai (8. 10. 2012)



Autumn bright yellow foliage of Red Buckeye - *Aesculus parviflora* Walter (8. 10. 2012)



Striking autumn brilliant red foliage of Winged Spindle - *Euonymus alatus* (Thunb.) Siebold (8. 10. 2012)



Autumn bright red foliage colouring of Witch Alder - *Fothergilla major* (Sims) Lodd.

## Seeds collected in the Nový Dvůr Arboretum

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### CAPRIFOLIACEAE

99.	<i>Kolkwitzia amabilis</i> Graebn.	0078-94-40
100.	<i>Lonicera alpigena</i> L.	0673-93-10
101.	<i>Lonicera subhispida</i> Nakai	0998-93-70
102.	<i>Lonicera x xylosteoides</i> Tausch	0966-93-70
103.	<i>Sambucus racemosa</i> L. f. var. aureocarpa Hara	90525
104.	<i>Symphoricarpos chenaultii</i> Rehder	0388-95-80
105.	<i>Symphoricarpos oreophilus</i> A. Gray	1288-95-10
106.	<i>Symphoricarpos oreophilus</i> A. Gray var. <i>utahensis</i> (Rydb.) A. Nelson	2108-96-10
107.	<i>Viburnum alnifolium</i> Marshall	756/78
108.	<i>Viburnum cassinoides</i> L.	0497-91-10
109.	<i>Viburnum cassinoides</i> L.	85167
110.	<i>Viburnum dilatatum</i> Thunb.	‘Huron’
111.	<i>Viburnum hupehense</i> Rehder	185/78
112.	<i>Viburnum lentago</i> L.	1995
113.	<i>Viburnum macrocephalum</i> Fortune	487/78
114.	<i>Viburnum opulus</i> L.	‘Notcutt’
115.	<i>Viburnum opulus</i> L.	441/78
116.	<i>Viburnum opulus</i> L. var. <i>calvescens</i> (Rehd.) Hara	1259-96-10
117.	<i>Viburnum prunifolium</i> L.	1381-92-10
118.	<i>Viburnum prunifolium</i> L.	2606-93-10
119.	<i>Viburnum rhytidophyllum</i> Hemsl. ex Forb. & Hemsl.	0428-99-80
120.	<i>Viburnum sargentii</i> Koehne	1476-93-10
121.	<i>Viburnum trilobum</i> Marshall	1382-92-10

### CELASTRACEAE

122.	<i>Celastrus orbiculatus</i> Thunb.	
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## Seeds collected in the Nový Dvůr Arboretum

### CELASTRACEAE

- |  |            |
|--|------------|
| 123. <i>Euonymus alatus</i> (Thunb.) Sieb. 'Compactus' | 0976-98-80 |
| 124. <i>Euonymus angustifolius</i> Pursh               | 390/80     |
| 125. <i>Euonymus japonicus</i> Thunb.                  |            |
| 126. <i>Euonymus planipes</i> (Koehne)<br>Koehne       | 509/78     |

### CERCIDIPHYLLACEAE

- |  |  |
|--|--|
| 127. <i>Cercidiphyllum japonicum</i> Siebold & Zucc. |  |
|--|--|

### CORNACEAE

- |   |            |
|---|------------|
| 128. <i>Cornus alternifolia</i> L. f.   | 1272-93-10 |
| 129. <i>Cornus amomum</i> Mill.         | 84448      |
| 130. <i>Cornus drummondii</i> C. A. Mey | 1548-92-10 |
| 131. <i>Cornus kousa</i> Bürger ex Miq. |            |
| 132. <i>Cornus sanguinea</i> L.         | 1331       |

### CORYLACEAE

- |  |            |
|--|------------|
| 133. <i>Carpinus shensiensis</i> Hu    | 3399-96-80 |
| 134. <i>Corylus americana</i> Marshall | 1944-96-10 |

### ERICACEAE

- |   |       |
|---|-------|
| 135. <i>Enkianthus cernuus</i>          | 85005 |
| 136. <i>Gaultheria shallon</i> Pursh    |       |
| 137. <i>Gaylussacia baccata</i> K. Koch | 85010 |
| 138. <i>Kalmia angustifolia</i> L.      |       |
| 139. <i>Lyonia mariana</i> D. Don       | 85018 |
| 140. <i>Oxydendrum arboreum</i> DC.     |       |

### EUPHORBIACEAE

- |   |  |
|---|--|
| 141. <i>Securinega suffruticosa</i> (Pall.)<br>Rehder |  |
|---|--|

## Seeds collected in the Nový Dvůr Arboretum

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Uncommon dark purple flowers of Common Pawpaw - *Asimina triloba* (L.) Dunal during May (11. 5. 2012)



White, yellow and purple spotted flowers of Indian Bean Tree - *Catalpa bignonioides* Walter (20. 7. 2012)

## Seeds collected in the Nový Dvůr Arboretum

### FABACEAE

142. <i>Amorpha fruticosa</i> L.		299/84
143. <i>Caragana manshurica</i> Kom.		0855-91-40
144. <i>Caragana turkestanica</i> Kom.		0907-98-40
145. <i>Cercis canadensis</i> L.		581B
146. <i>Cladrastis lutea</i> Raf.		0632-95-70
147. <i>Cytisus purpureus</i> Scop.	‘Erectus’	1883-96-80
148. <i>Gleditschia triacanthos</i> L.	‘Sunburst’	1551-94-80
149. <i>Laburnocytisus adamii</i> (Poit.) Schneid.		1871-94-80
150. <i>Laburnocytisus adamii</i> (Poit.) Schneid.		2202-96-80
151. <i>Laburnum x watereri</i> Dippel		87378
152. <i>Spartium junceum</i> L.		

### FAGACEAE

153. <i>Quercus robur</i> L.	‘Fastigiata’	
154. <i>Quercus robur</i> L.	‘Pectinata’	2651-93-80
155. <i>Quercus rubra</i> L.		1066
156. <i>Quercus rubra</i> L.		
157. <i>Quercus shumardii</i> Buckley		

### HAMAMELIDACEAE

158. <i>Hamamelis japonica</i> Siebold & Zucc.	‘Rubra’	94F
159. <i>Hamamelis mollis</i> Oliv. ex Forb. & Hemsl.		
160. <i>Hamamelis</i> sp.		
161. <i>Hamamelis</i> sp.		18/9
162. <i>Hamamelis vernalis</i> Sarg.	‘Lombart’s Weeping’	
163. <i>Hamamelis vernalis</i> Sarg.		47/77
164. <i>Hamamelis virginiana</i> L.		1980-93-10
165. <i>Hamamelis virginiana</i> L.		
166. <i>Hamamelis x intermedia</i> Reh- der	‘Diana’	0710-95-80

## Seeds collected in the Nový Dvůr Arboretum

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### HAMAMELIDACEAE

- |  |                 |            |
|--|-----------------|------------|
| 167. <i>Hamamelis</i> x <i>intermedia</i> Rehder | 'Jelena'        | 0712-95-80 |
| 168. <i>Hamamelis</i> x <i>intermedia</i> Rehder | 'Orange Beauty' | 516/78     |
| 169. <i>Hamamelis</i> x <i>intermedia</i> Rehder | 'Ruby Glow'     | 18/12      |

### HYDRANGEACEAE

- |  |          |            |
|--|----------|------------|
| 170. <i>Deutzia glauca</i> Cheng   |          | 84179      |
| 171. <i>Hydrangea arborescens</i> L.   |          | 1545-96-10 |
| 172. <i>Hydrangea paniculata</i> Siebold                                     | 'Kyushu' | 1423-99-80 |
| 173. <i>Philadelphus brachybotrys</i> Vilm.<br>& Bois var. <i>laxiflorus</i> |          | 0285-95-70 |
| 174. <i>Philadelphus sericanthus</i> Koeh-<br>ne                             |          | 0204-84-70 |

### LARDIZABALACEAE

- |  |  |  |
|--|--|--|
| 175. <i>Decaisnea fargesii</i> Franch. |  |  |
|--|--|--|

### LAURACEAE

- |                                    |  |            |
|------------------------------------|--|------------|
| 176. <i>Lindera benzoin</i> Meisn. |  | 3046-91-10 |
|------------------------------------|--|------------|

### MAGNOLIACEAE

- |  |  |  |
|--|--|--|
| 177. <i>Liriodendron tulipifera</i> L. |  |  |
| 178. <i>Magnolia grandiflora</i> L.    |  |  |

### MORACEAE

- |                            |  |            |
|----------------------------|--|------------|
| 179. <i>Morus rubra</i> L. |  | 1549-92-10 |
|----------------------------|--|------------|

### OLEACEAE

- |   |             |            |
|---|-------------|------------|
| 180. <i>Fontanesia fortunei</i> Carrière      |             | 85102      |
| 181. <i>Forsythia intermedia</i> Zabel        | 'Parkdekor' | 2374-93-80 |
| 182. <i>Ligustrum tschonoskii</i> Decne.      |             | 1385-93-40 |
| 183. <i>Syringa debelderi</i> Clark et Fiala  |             | 0400-90-10 |
| 184. <i>Syringa patula</i> (Palib.) Nakai     |             | 90401      |
| 185. <i>Syringa</i> x <i>chinensis</i> Willd. |             |            |





Decorative fruits and autumn bright yellow foliage of Oriental Bittersweet - *Celastrus orbiculatus* Thunb.  
(8. 10. 2012)



Remarkable autumn orange foliage of Witch Hazel *Hamamelis x intermedia* Rehd. 'Ruby Glow'  
(18. 10. 2012)

## Seeds collected in the Nový Dvůr Arboretum

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### RHAMNACEAE

186. *Rhamnus alpina* L. ssp. fallax  
(Boiss.) Maire & Petitm. 79/79
187. *Rhamnus davurica* Pall. 1139-92-40

### ROSACEAE

188. *Amelanchier bartramiana*  
(Tausch) M. Roem. 139/80
189. *Amelanchier bartramiana*  
(Tausch) M. Roem. 12/82
190. *Amelanchier cusickii* Fernald 207
191. *Amelanchier humilis* Wiegand 137/80
192. *Amelanchier humilis* Wiegand 138/80
193. *Amelanchier interior* E. L. Nielsen  
273/80
194. *Amelanchier lamarckii* F. G.  
Schroed. 274/80
195. *Amelanchier ovalis* Medik 0179-92-10
196. *Amygdalus nana* L. 900/99
197. *Aronia prunifolia* (Marshall)  
Rehder 1386
198. *Cotoneaster acutifolius* Turcz.  
var. villosulus 202/1
199. *Cotoneaster boisianus* G. Klotz 1343-97-70
200. *Cotoneaster bradyi* E. C. Nelson  
& J. Fryer 0543-96-40
201. *Cotoneaster cochleatus*  
(Franch.) G. Klotz 0344-97-70
202. *Cotoneaster giraldii* Flinck &  
Hylmö ex G. Klotz 1156-92-70
203. *Cotoneaster kullensis* B. Hylmö 2388-96-40
204. *Cotoneaster niger* (Wahlb.) Fr. 2554-93-70
205. *Cotoneaster ottoschwarzii* G.  
Klotz 0886-95-70

## **Seeds collected in the Nový Dvůr Arboretum**

<b>ROSACEAE</b>		
206.	<i>Cotoneaster rhytidophyllus</i> Rehder & E. H. Wilson	94/83
207.	<i>Cotoneaster scandinavicus</i> B. Hylmö	0875-95-10
208.	<i>Cotoneaster subacutus</i> Pojark.	1241-93-10
209.	<i>Cotoneaster villosulus</i> (Rehder & E. H. Wilson) Flinck & B. Hylmö	0943-96-70
210.	<i>Cotoneaster zabelii</i> C. K. Schneid.	2109-94-40
211.	<i>Crataegus calpodendron</i> (Ehrh.) Medik.	17/75
212.	<i>Crataegus calycina</i> Peterm.	0541-94-10
213.	<i>Crataegus pedicellata</i> Sarg.	1279-93-10
214.	<i>Exochorda racemosa</i> (Lindl.) Rehder	
215.	<i>Chaenomeles speciosa</i> (Sweet) Nakai 'Brilliant'	3118-96-80
216.	<i>Chaenomeles speciosa</i> (Sweet) Nakai 'Snow'	2254-98-80
217.	<i>Chaenomeles speciosa</i> (Sweet) Nakai 'Moel Rose'	1353-96-80
218.	<i>Chaenomeles speciosa</i> (Sweet) Nakai 'Red Ruffles'	1355-96-80
219.	<i>Chaenomeles speciosa</i> (Sweet) Nakai 'Nivalis'	3117-96-80
220.	<i>Chaenomeles x superba</i> (Frahm) Rehder 'Knap Hill Scarlet'	1356-96-80
221.	<i>Chaenomeles x superba</i> (Frahm) Rehder 'Crimson and Gold'	3251-96-80
222.	<i>Malus coronaria</i> (L.) Mill.	1711-92-10
223.	<i>Malus domestica</i> Borkh.	'Jadernička moravská'
224.	<i>Malus</i> Mill.	'Liset'
225.	<i>Malus pallasiana</i> Juz.	3096-92-80 87311

## Seeds collected in the Nový Dvůr Arboretum

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Unusual confluence of pink blooming and autumn scarlet foliage colouring of Korean Rhododendron - *Rhododendron mucronulatum* Turcz. (18. 10. 2012)



Attractive confluence of blooming and autumn foliage colouring of Common Witch Hazel - *Hamamelis virginiana* L. (8. 10. 2012)



Autumn scarlet foliage colouring of Persian Ironwood - *Parrotia persica* (DC.) C. A. Mey. (18. 10. 2012)

## Seeds collected in the Nový Dvůr Arboretum

<b>ROSACEAE</b>		
226. <i>Malus sargentii</i> Rehder	'Tina'	85267
227. <i>Malus sieboldii</i> Rehder		1681-94-10
228. <i>Malus toringo</i> (Siebold) de Vriese		0527-98-10
229. <i>Mespilus germanica</i> L.		
230. <i>Oemleria cerasiformis</i> (Torr. & A.Gray) J. W. Landon		87150
231. <i>Photinia villosa</i> DC.		639
232. <i>Physocarpus opulifolius</i> (L.) Maxim.		1373-92-10
233. <i>Physocarpus opulifolius</i> L.	'Dart's Gold'	1933-97-80
234. <i>Prunus maackii</i> Rupr.		1560-95-70
235. <i>Prunus ssiori</i> F.Schmidt		1518-92-10
236. <i>Pyracantha coccinea</i> M. Roem		1062-93-40
237. <i>Pyrus salicifolia</i> Balb.		
238. <i>Rhodotypos scandens</i> Makino		62/83
239. <i>Rosa hugonis</i> Hemsl.		
240. <i>Rosa majalis</i> Herrm.		0558-93-10
241. <i>Rosa maximowicziana</i> Regel		1512-95-40
242. <i>Rosa micrantha</i> Borrer		1664-97-40
243. <i>Rosa montana</i> Steven ex Spreng.		1367-93-10
244. <i>Rosa palustris</i> Marshall		1553-92-10
245. <i>Rosa rubiginosa</i> L.		0548-92-10
246. <i>Rosa rubrifolia</i> Rupr. ex Boiss.		
247. <i>Rosa rugosa</i> Thunb.		189174
248. <i>Rosa sp.</i>		1571-92-10
249. <i>Rosa tomentosa</i> Sm.		0426-93-10
250. <i>Rosa virginiana</i> Mill.		1471-93-50
251. <i>Sorbaria sorbifolia</i> A. Braun		0480-95-10
252. <i>Sorbaria sorbifolia</i> A. Braun		0479-95-10
253. <i>Sorbus sambucifolia</i> M. Roem.		0839-91-10
254. <i>Sorbus subsimilis</i> Hedlund.		1287-93-10

## **Seeds collected in the Nový Dvůr Arboretum**

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### **ROSACEAE**

255. <i>Sorbus sudetica</i> Bluff, Nees & Schauer	1863
256. <i>Spiraea betulifolia</i> Pall.	1187-95-40
257. <i>Spiraea betulifolia</i> Pall.	1187-95-10
258. <i>Spiraea japonica</i> L.	0562-97-10
259. <i>Spiraea salicifolia</i> L.	190528
260. <i>Spiraea trichocarpa</i> Nakai	0088-94-40
261. <i>Spirea japonica</i> L. f. 'Dart's Red'	1447-97-80
262. <i>Spirea japonica</i> L. f. var. <i>incisa</i>	0815-94-10

### **RUBIACEAE**

263. <i>Cephalanthus occidentalis</i> L.	0115-92-10
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### **RUTACEAE**

264. <i>Orixa japonica</i> Thunb.	90378
265. <i>Phellodendron amurense</i> Rupr.	
266. <i>Poncirus trifoliata</i> (L.) Raf.	
267. <i>Ptelea trifoliata</i> L.	

### **SALICACEAE**

268. <i>Salix pentandra</i> L.	0641-95-10
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### **SAPINDACEAE**

269. <i>Koelreuteria paniculata</i> Laxm.	
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### **STAPHYLEACEAE**

270. <i>Staphylea colchica</i> Steven	
271. <i>Staphylea pinnata</i> L.	0048-91-10
272. <i>Staphylea pinnata</i> L.	0530-91-10
273. <i>Staphylea trifolia</i> L.	2247-92-50

### **STYRACACEAE**

274. <i>Styrax japonicus</i> Siebold & Zucc. 'Benibana'	0243-99-70
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Autumn orange foliage colouring of Dawn Redwood - *Metasequoia glyptostroboides* Hu & W. C. Cheng (18. 10. 2012)

## Seeds collected in the Nový Dvůr Arboretum

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### THEACEAE

275. <i>Stewartia koreana</i> Nakai ex Rehder	485/79
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### TILIACEAE

276. <i>Tilia platyphyllos</i> Scop.	'Rubra'	621/80
277. <i>Tilia oliveri</i> Szyszył.		745/78

### ULMACEAE

278. <i>Celtis tenuifolia</i> Nutt.	2591-93-10
279. <i>Hemiptelea davidii</i> (Hance) Planch.	
280. <i>Ulmus parvifolia</i> Jacq.	0330-91-70

## WARNING – IMPORTANT NOTICE

- Electronic version of INDEX SEMINUM 2012/2013 is also downloadable from our website: <http://www.szm.cz>
- Having any problem with opening this file please ask for hard copy of IS at the post address: ARBORETUM NOVÝ DVŮR, SLEZSKÉ ZEMSKÉ MUZEUM, 746 01 OPAVA, CZECH REPUBLIC.
- Please fill in a form of DESIDERATA 2012/2013 in full details.



## **AGREEMENT ON THE SUPPLY OF LIVING PLANT MATERIAL<sup>1</sup> 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 CBD<sup>2</sup>.
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

<sup>1</sup>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.

<sup>2</sup> ideally, the national focal point in the garden's home country



**DESIDERATA 2012/2013**

<p><b>ARBORETUM NOVÝ DVŮR</b>  <b>SLEZSKÉ ZEMSKÉ MUZEUM</b>  <b>746 01 OPAVA</b>  <b>CZECH REPUBLIC</b></p> <p><i>E-mail:</i> <b><u>arboretum@szmo.cz</u></b>  <i>Phone:</i> <b>+420 553 661 031</b></p>	<p><i>Contact Person, Institute &amp; Your Address:</i></p>          <p><i>E-mail:</i>  <i>Phone:</i></p>
<p><i>In response to the International Convention of Biological Diversity (Rio de Janeiro, 1992), the Arboretum Nový Dvůr supplies the seed collections requested on the condition that:</i></p> <ol style="list-style-type: none"> <li>1. <i>They used for common good in the areas of research, trailing, breeding, education and the development of public botanic gardens.</i></li> <li>2. <i>If the recipient seeks to comercialise the genetic material, its products or research derived from it, then permission must be sought from the Arboretum Novy Dvur. Such commercialization will be subject to a separate agreement.</i></li> <li>3. <i>The genetic material, its products or research derived from it are not passed to a third party for commercialization without written permission from the Arboretum Novy Dvur.</i></li> </ol> <p><i>I agree to comply with the conditions above.</i></p>          <p><i>Date, Signature:</i> _____ <span style="margin-left: 150px;"><i>Stamp:</i> _____</span></p>	

**Your seed order:**


**Please, limit your order to 25 numbers and return this signed form by 31th August 2013. Warning: We only distribute seeds after receiving this form, signed and filled in, thank you.**



