

# INDEX SEMINUM

*Spergula arvensis* L.



TALLINN 2007

TALLINNA BOTAANIKAAED

*INDEX SEMINUM*

*anno 2006 collectorum*

*quae*

*HORTUS BOTANICUS TALLINNENSIS*

*pro mutua commutatione offert*

Tallinn 2007

*Mandata inscribenda sunt:*  
*Hortus Botanicus Tallinnensis*  
Kloostrimetsa tee 52  
11913 Tallinn  
*Estonie*

It is by the recipients of seeds to respect and to stand to international binding settlements of protection of endangered taxa and to uphold the interests of the nations of origin.  
Es wird erwartet, dass die Empfänger von Saatgut international verbindliche Regelungen zum Schutz gefährdeter Sippen und zur Wahrung von Interessen der Herkunftsländer respektieren und einhalten.

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# I *Semina et sporae plantarum in horto botanico cultarum*

## **PTERIDOPHYTA**

### **Adiantaceae**

- + 1 *Adiantum hispidulum* Sw. (Coimbra, 1990)
- + 2 *Adiantum reniforme* L. (Tartu, 1993)
- + 3 *Adiantum trapeziforme* L. (St. Petersburg, 1977)
- + 4 *Pityrogramma calomelanos* (L.) Link
- + 5 *Pityrogramma calomelanos* (L.) Link var. *aureo-flava* (Hook.) Weath. ex L.H.Bailey

### **Blechnaceae**

- + 6 *Woodwardia radicans* (L.) Sm. (St. Petersburg, 1977)

### **Davalliaceae**

- + 7 *Davallia pyxidata* Cav. (St. Petersburg, 1982)

### **Polypodiaceae**

- + 8 *Microsorium punctatum* (L.) Copel.
- + 9 *Phlebodium aureum* (L.) J.Sm.

## **SPERMATOPHYTA**

### **GYMNOSPERMAE**

#### **Cupressaceae**

- 10 *Juniperus squamata* Buch.-Ham. ex D.Don cv. *Meyeri* (Moscow, 1961)
- 11 *Microbiota decussata* Kom.
- \* 12 *Microbiota decussata* Kom. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
- 13 *Thuja koraiensis* Nakai (Tartu, 1982)
- 14 *Thuja occidentalis* L.

#### **Pinaceae**

- \* 15 *Larix leptolepis* Hort. ex Endl. (Koshigaya, 1983)
- 16 *Larix x maritima* Sukaczew (St. Petersburg, 1961)
- 17 *Larix sibirica* Ledeb. (Estonia, Järvselja, 1958)
- 18 *Picea glauca* (Moench) Voss
- \* 19 *Picea jezoensis* (Siebold et Zucc.) Carrière (*Insula Sachalin*, *Korsakov*, 1961)
- \* 20 *Picea mariana* (Mill.) Britton, Stearn et Poggenb. (Ottawa, 1968)
- 21 *Picea rubens* Sarg. (Lithuania, Girionys, 1977)
- 22 *Picea sitchensis* (Bong.) Carrière (Lithuania, Girionys, 1977)
- 23 *Pinus banksiana* Lamb.
- \* 24 *Pinus contorta* Douglas ex Loudon (Vancouver, 1966)
- 25 *Pinus contorta* Douglas ex Loudon var. *latifolia* Engelm. ex S.Watson (Lithuania, Girionys, 1977)
- \* 26 *Pinus koraiensis* Siebold et Zucc. (*Rossia extremiorientalis*, *Kedrovaya Pad'*, 1961)
- 27 *Pinus mugo* Turra ssp. *pumilio* (Haenke) Franco (Hungaria, 1990)

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+ = *semina et sporae plantarum in calidariis cultarum*

\* = Seeds of a cultivated plant of known wild origin / Samen von kultivierte Pflanzen bekannter Wildherkunft

A = Seeds of a cultivated plant from Audaku Experimental Station (Saaremaa Island, 58°17'52" N 022°06'08" E) / Samen von kultivierte Pflanzen von wissenschaftlicher Beobachtungsstelle Audaku (Insel Ösel, 58°17'52" N 022°06'08" O)

- \* 28 *Pinus ponderosa* Douglas ex C.Lawson (Vancouver, 1965)
- \* 29 *Pinus uncinata* Ramond ex DC. (Liège, 1982)
- 30 *Pseudotsuga menziesii* (Mirb.) Franco

## ANGIOSPERMAE

### Dicotyledoneae

#### **Acanthaceae**

- + 31 *Barleria prionitis* L. (Villers-lès-Nancy, 2003)
- + 32 *Crossandra nilotica* Oliv.

#### **Aceraceae**

- 33 *Acer barbinerve* Maxim.
- 34 *Acer campestre* L.
- \* 35 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
- 36 *Acer negundo* L.
- \* 37 *Acer negundo* L. var. *interius* (Britton) Sarg. (Edmonton, 1967)
- 38 *Acer pensylvanicum* L.
- \* 39 *Acer rubrum* L. (Ottawa, 1965)
- 40 *Acer spicatum* Lam.
- \* 41 *Acer tataricum* L. ssp. *ginnala* (Maxim.) Wesm. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)

#### **Actinidiaceae**

- 42 *Actinidia kolomikta* (Rupr. et Maxim.) Maxim.

#### **Aizoaceae**

- + 43 *Aptenia cordifolia* (L.f.) N.E.Br. (Kiel, 1999)

#### **Anacardiaceae**

- 44 *Cotinus coggygria* Scop.
- 45 *Rhus typhina* L.

#### **Apiaceae**

- 46 *Falcaria vulgaris* Bernh.
- 47 *Laser trilobum* (L.) Borkh. (Moscow, 1982)

#### **Apocynaceae**

- + 48 *Alyxia ruscifolia* R.Br. (Düsseldorf, 1991)
- 49 *Rhazya orientalis* (Decne.) DC. (Giessen, 1991)

#### **Araliaceae**

- \* 50 *Aralia cordata* Thunb. (*Insulae Kurilenses*, *Kunashiri*, 1981)
- \* 51 *Eleutherococcus senticosus* (Rupr. et Maxim.) Maxim. (*Insula Sachalin*, *Dolinsk*, 1962)
- \* 52 *Eleutherococcus sessiliflorus* (Rupr. et Maxim.) S.Y.Hu (*Rossia extremiorientalis*, *Artem*, 1961)
- \* 53 *Kalopanax septemlobus* (Thunb. ex A.Murray) Koidz. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
- \* 54 *Oplopanax horridus* (Sm.) Miq. (Seattle, 1978)

#### **Asclepiadaceae**

- 55 *Asclepias syriaca* L. (Linz, 1978)
- 56 *Hoya serpens* Hook.f.
- + 57 *Stephanotis floribunda* (R.Br.) Brongn.

**Asteraceae**

- \* 58 *Achillea biserrata* M.Bieb. (*Caucasus borealis*, Goryachy Klyuch, 1990)
- 59 *Achillea sibirica* Ledeb. (Potsdam, 2000)
- 60 *Arnica angustifolia* Vahl ssp. *tomentosa* (Macoun) G.W.Douglas et Ruyle-Dougl. (Göteborg, 2003)
- 61 *Artemisia abrotanum* L. (Estonia, Riguldi, 1986)
- \* 62 *Aster alpinus* L. (Leisnig, 2000)
- 63 *Aster alpinus* L. cv. *Roseus* (Oslo, 1996)
- 64 *Aster amellus* L. ssp. *ibericus* (M.Bieb.) V.E.Avet. (Szeged, 1987)
- 65 *Aster amellus* L. cv. *Rudolph Goethe* (Mühlhausen, 1983)
- 66 *Aster ptarmicoides* (Nees) Torr. et A.Gray
- \* 67 *Aster sagittifolius* Wedem. ex Willd. (Glencoe, 1994)
- \* 68 *Aster sibiricus* L. (Yakutsk, 2004)
- 69 *Centaurea dealbata* Willd.
- 70 *Cichorium intybus* L. (Tallinn, Pääsküla, 1996)
- 71 *Echinacea pallida* (Nutt.) Nutt. (Halle, 2003)
- 72 *Eupatorium leucolepis* Torr. et A.Gray (Bielefeld, 2001)
- \* 73 *Eupatorium maculatum* L. (Liège, 1996)
- 74 *Eupatorium perfoliatum* L. (Ulm, 2000)
- 75 *Eupatorium purpureum* L. (Strasbourg, 2001)
- 76 *Helenium hoopesii* A.Gray (Lublin, 1990)
- 77 *Inula ensifolia* L. cv. *Compacta* (Essen, 1968)
- 78 *Inula magnifica* Lipsky (Moscow, 1977)
- 79 *Ligularia przewalskii* (Maxim.) Diels (Estonia, Valga, 2004)
- 80 *Rhaponticoides ruthenica* (Lam.) M.V.Agab. et Greuter (München, 2003)
- 81 *Rudbeckia occidentalis* Nutt. (Leipzig, 2005)
- 82 *Saussurea riederi* Herder (Marburg, 2005)
- 83 *Senecio adonidifolius* Loisel. (Heidelberg, 1975)
- \* 84 *Serratula tinctoria* L. (*Estonia, Laelatu*, 2000)
- \* 85 *Silphium integrifolium* Michx. (Glencoe, 1993)
- 86 *Solidago graminifolia* (L.) Salisb. (East Lansing, 2000)
- \* 87 *Solidago riddellii* Frank (East Lansing, 2000)
- 88 *Tanacetum corymbosum* (L.) Sch. Bip. (Košice, 1988)
- \* 89 *Vernonia arkansana* DC. (Lisle, 2005)

**Berberidaceae**

- 90 *Berberis koreana* Palib. (Hørsholm, 1991)
- 91 *Berberis thunbergii* DC.
- 92 *Berberis thunbergii* DC. cv. *Erecta* (Ottawa, 1960)
- 93 *Berberis vulgaris* L. cv. *Atropurpurea*

**Betulaceae**

- \* 94 *Alnus crispa* (Aiton) Pursh (Vancouver, 1981)
- \* 95 *Alnus fruticosa* Rupr. (*Rossia extremiorientalis*, Zeya, 1975)
- 96 *Alnus incana* (L.) Moench f. *laciniata* Loudon
- 97 *Alnus japonica* (Thunb.) Steud. (Nayoro, 1973)
- 98 *Betula alleghaniensis* Britton
- \* 99 *Betula fruticosa* Pall. (*Rossia extremiorientalis*, Olga, 1977)
- \* 100 *Betula glandulosa* Michx. (Vancouver, 1979)
- \* 101 *Betula humilis* Schrank (*Latvia, Laidi*, 1977)

- 102 *Betula lenta* L. (Rogów, 1975)  
 103 *Betula pendula* Roth var. *oycoviensis* (Besser) Dippel (Lublin, 1974)  
 \* 104 *Betula platyphylla* Sukaczew var. *japonica* (Miq.) Hara (*Insula Sachalin, Novoalexandrovsk*, 1961)  
 \* 105 *Betula populifolia* Marshall (Millbrook, 1973)  
 \* 106 *Betula pumila* L. (Montréal, 1991)  
 107 *Carpinus betulus* L. cv. *Incisa* (København, 1965)  
 \* 108 *Carpinus caroliniana* Walter (Ottawa, 1967)  
 \* 109 *Carpinus cordata* Blume (*Rossia extremiorientalis, Okeanskaya*, 1977)
- Brassicaceae**
- 110 *Aurinia saxatilis* (L.) Desv. cv. *Citrina* (Ferrara, 1997)  
 \* 111 *Draba norvegica* Gunnerus (Akureyri, 2005)  
 112 *Lunaria rediviva* L.
- Cactaceae**
- 113 *Eriocereus bonplandii* (Parm. ex Pfeiff.) Riccob.  
 + 114 *Eriocereus guelichii* (Speg.) A. Berger
- Calycanthaceae**
- 115 *Calycanthus fertilis* Walter var. *laevigatus* (Willd.) Bean  
 (Nogent-sur-Vernisson, 1964)
- Campanulaceae**
- 116 *Campanula carpatica* Jacq.  
 117 *Campanula kemulariae* Fomin (Bratislava, 1990)  
 118 *Codonopsis tangshen* Oliv. (Bielefeld, 2001)  
 119 *Symphyandra pendula* (M.Bieb.) A.DC. (Trondheim, 1987)
- Caprifoliaceae**
- \* 120 *Diervilla lonicera* Mill. (Ottawa, 1966)  
 121 *Diervilla rivularis* Gatt. (Dushanbe, 1957)  
 122 *Kolkwitzia amabilis* Graebn.  
 123 *Lonicera alpigena* L.  
 \* 124 *Lonicera caerulea* L. (Chambésy, 1979)  
 125 *Lonicera caerulea* L. var. *altaica* (Pall. ex DC.) Sweet (Barnaul, 1965)  
 \* 126 *Lonicera caerulea* L. var. *edulis* Regel (*Peninsula Kamchatka, Severnye Koryaki*, 1971)  
 127 *Lonicera caucasica* Pall.  
 \* 128 *Lonicera chrysantha* Turcz. (*Rossia extremiorientalis, Khekhtsir*, 1975)  
 129 *Lonicera demissa* Rehder (Göteborg, 1977)  
 130 *Lonicera ferdinandi* Franch. (Berlin-Dahlem, 1979)  
 \* 131 *Lonicera glaucescens* (Rydb.) Rydb. (Golden, Seed Service, 1984)  
 132 *Lonicera iberica* M.Bieb. (Tbilisi, 1964)  
 133 *Lonicera involucrata* (Richardson) Banks ex Spreng. (Berlin-Dahlem, 1978)  
 \* 134 *Lonicera korolkowii* Stapf (Khorog, 1987)  
 135 *Lonicera ledebourii* Eschsch. (Kornik, 1999)  
 136 *Lonicera maackii* (Rupr.) Maxim. (Khabarovsk, 1967)  
 \* 137 *Lonicera maximowiczii* (Rupr.) Maxim. (*Rossia extremiorientalis, Ternei*, 1979)  
 138 *Lonicera microphylla* Willd. ex Roem. et Schult.  
 \* 139 *Lonicera nigra* L. (Sarajevo, 1983)  
 140 *Lonicera periclymenum* L.  
 \* 141 *Lonicera ruprechtiana* Regel (*Rossia extremiorientalis, Ternei*, 1979)

- 142 *Lonicera syringantha* Maxim. (Genève, 1960)  
 143 *Lonicera tatarica* L. (Barnaul, 1977)  
 144 *Lonicera tatarica* L. cv. Alba (Northampton, 1963)  
 145 *Lonicera vesicaria* Kom. (Minsk, 1997)  
 \* 146 *Lonicera xylosteum* L. (Tallinn, Kloostrimetsa, 1972)  
 \* 147 *Sambucus canadensis* L. (Montréal, 1962)  
 148 *Sambucus canadensis* L. cv. Aurea  
 149 *Sambucus nigra* L. (Estonia, Kuressaare, 1969)  
 \* 150 *Sambucus sieboldiana* Blume ex Miq. (*Insulae Kurilenses*, Kunashiri, 1981)  
 \* 151 *Sambucus williamsii* Hance (*Rossia extremiorientalis*, Talmi, 1961)  
 152 *Symphoricarpos albus* (L.) S.F.Blake var. *laevigatus* (Fernald) S.F.Blake  
 153 *Symphoricarpos occidentalis* Hook. (Ottawa, 1968)  
 154 *Weigela florida* (Bunge) A.DC. (Pyongyang, 1988)  
 155 *Weigela japonica* Thunb. (Dresden, 1960)  
 156 *Weigela praecox* (Lemoine) L.H.Bailey  
 157 *Viburnum lantana* L.  
 158 *Viburnum lantana* L. cv. Variegatum  
 159 *Viburnum lentago* L.  
 160 *Viburnum opulus* L. (Tallinn, 1965)  
 \* 161 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, Etorofu, 1961)
- Caricaceae**
- + 162 *Carica papaya* L. (Marburg, 1980)
- Caryophyllaceae**
- 163 *Arenaria grandiflora* L. (Giessen, 1972)  
 164 *Arenaria rotundifolia* M.Bieb. (Estonia, Kohila, 1998)  
 165 *Saponaria caespitosa* DC. (Innsbruck, 1993)  
 166 *Saponaria lutea* L. (Fribourg, 1989)  
 167 *Silene friwaldskyana* Hampe (Glasgow, 1993)
- Celastraceae**
- 168 *Celastrus orbiculatus* Thunb.  
 \* 169 *Celastrus scandens* L. (Ottawa, 1965)  
 170 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1985)  
 \* 171 *Euonymus alatus* (Thunb.) Siebold ssp. *sacrosanctus* (Koidz.) Vorosch. (*Rossia extremiorientalis*, Chornaya, 1961)  
 172 *Euonymus bungeanus* Maxim. (Beijing, 1957)  
 173 *Euonymus europaeus* L.  
 174 *Euonymus hamiltonianus* Wall. ssp. *maackii* (Rupr.) Kom. (Vladivostok, 1961)  
 175 *Euonymus latifolius* (L.) Mill. (Tallinn, 1989)  
 176 *Euonymus macropterus* Rupr.  
 177 *Euonymus nanus* M.Bieb.  
 178 *Euonymus pauciflorus* Maxim.  
 \* 179 *Euonymus planipes* (Koehne) Koehne (*Rossia extremiorientalis*, Shamora, 1961)  
 180 *Tripterygium regelii* Sprague et Takeda
- Cercidiphyllaceae**
- 181 *Cercidiphyllum japonicum* Siebold et Zucc. var. *magnificum* Nakai (Nikko, 1975)
- Clusiaceae**
- \* 182 *Hypericum ascyron* L. (Helsinki, 1994)



**Cornaceae**

- 183 *Cornus alba* L.  
 184 *Cornus alba* L. cv. Sibirica Variegata  
 \* 185 *Cornus alternifolia* L.f. (Ottawa, 1965)  
 186 *Cornus racemosa* Lam.  
 187 *Cornus sanguinea* L.  
 188 *Cornus sericea* L.  
 189 *Cornus sericea* L. cv. Flaviramea (Leipzig, 1957)

**Crassulaceae**

- + 190 *Echeveria rubromarginata* Rose (Zürich, 2001)  
 + 191 *Echeveria shaviana* E.Walther (St. Petersburg, 1987)  
 + 192 *Kalanchoe grandiflora* Wright et Arn. (Basel, 1975)  
 + 193 *Kalanchoe rotundifolia* (Haw.) Haw. (Basel, 1994)  
 194 *Sedum aizoon* L.  
 \* 195 *Sedum spurium* M.Bieb. (*Caucasus australi-orientalis*, Talysh, 1977)  
 196 *Sedum spurium* M.Bieb. (Minsk, 1984)

**Cucurbitaceae**

- + 197 *Kedrostis africana* (L.) Cogn. (Monte Carlo, 2003)

**Dipsacaceae**

- 198 *Cephalaria litvinovii* Bobrov (Voronezh, 1988)

**Elaeagnaceae**

- 199 *Elaeagnus commutata* Bernh. ex Rydb.  
 200 *Elaeagnus umbellata* Thunb. (Estonia, Polli, 1985)  
 \* 201 *Hippophae rhamnoides* L. (Wrocław, 1997)  
 202 *Shepherdia canadensis* (L.) Nutt.

**Ericaceae**

- 203 *Menziesia pilosa* (Michx.) Juss.  
 204 *Rhododendron camtschaticum* Pall.  
 205 *Rhododendron molle* (Blume) G.Don  
 206 *Rhododendron prinophyllum* (Small) Millais (Vancouver, 1968)  
 207 *Rhododendron vaseyi* A.Gray  
 208 *Vaccinium corymbosum* L. (Essen, 1962)  
 209 *Vaccinium corymbosum* L. f. *albiflorum* (Hook.) Camp (Essen, 1962)  
 210 *Vaccinium corymbosum* L. f. *glabrum* (A.Gray) Camp (Essen, 1962)

**Euphorbiaceae**

- + 211 *Euphorbia bubalina* Boiss.  
 212 *Securinega suffruticosa* (Pall.) Rehder

**Fabaceae**

- \* 213 *Astragalus alpinus* L. (Norge, Mabødalen, 1999)  
 \* 214 *Astragalus danicus* Retz. (Estonia, Jalase, 1995)  
 215 *Astragalus monspessulanus* L. (Giessen, 1993)  
 216 *Baptisia australis* (L.) R.Br. (Salaspils, 1988)  
 217 *Caragana arborescens* Lam. (Leiden, 1957)  
 218 *Caragana aurantiaca* Koehne (Wien, 1965)  
 219 *Caragana frutex* (L.) K.Koch (Kiev, 1957)  
 \* 220 *Caragana spinosa* (L.) DC. (*Sibiria australis*, Kyzyl, 1985)  
 221 *Chamaecytisus albus* (Hacq.) Rothm. (Rogów, 1974)  
 222 *Chamaecytisus hirsutus* (L.) Link (Uppsala, 1957)

- 223 *Chamaecytisus purpureus* (Scop.) Link (München, 1961)  
 224 *Chamaespartium sagittale* (L.) P.E.Gibbs (Tübingen, 1976)  
 225 *Colutea arborescens* L. (Riga, 1960)  
 \* 226 *Cytisus decumbens* (Durande) Spach (Bescancon, 1997)  
 227 *Cytisus nigricans* L.  
 A\* 228 *Cytisus scoparius* (L.) Link (Poznan, 1999)  
 229 *Genista ovata* Waldst. et Kit. (Cluj, 1996)  
 \* 230 *Genista tinctoria* L. (Olomouc, 1988)  
 231 *Laburnum alpinum* (Mill.) Bercht. et J.Presl  
 \* 232 *Lathyrus maritimus* (L.) Bigelow (*Estonia, Purtse*, 1995)  
 \* 233 *Lathyrus sylvestris* L. (*Estonia, Tapa*, 1992)  
 \* 234 *Maackia amurensis* Rupr. et Maxim. (*Rossia extremiorientalis, Okeanskaya*, 1961)  
 \* 235 *Onobrychis montana* DC. (*Alpes Galliae, St. Veran*, 1994)  
 236 *Oxytropis campestris* (L.) DC. (Tübingen, 1993)  
 \* 237 *Oxytropis campestris* (L.) DC. (*Estonia, Mähuste*, 1994)  
 238 *Robinia luxurians* (Dieck) C.K.Schneid. (*Estonia, Laulasmaa*, 1965)  
 \* 239 *Trifolium rubens* L. (Samoëns, 1994)
- Fagaceae**
- 240 *Quercus mongolica* Fisch. ex Turcz. ssp. *crispula* (Blume) Menitsky  
 241 *Quercus rubra* L.
- Fumariaceae**
- 242 *Corydalis cheilanthifolia* Hemsl. (Jena, 1998)  
 243 *Pseudofumaria alba* (Mill.) Lidén ssp. *alba*  
 244 *Pseudofumaria lutea* (L.) Borkh.
- Gentianaceae**
- \* 245 *Gentiana cruciata* L. (*Estonia, Käändi*, 2000)  
 246 *Gentiana lutea* L. (Bergen, 1963)  
 247 *Gentiana paradoxa* Albov (Jena, 1979)  
 248 *Gentiana septemfida* Pall.
- Grossulariaceae**
- 249 *Ribes aciculare* Sm. (Barnaul, 1983)  
 250 *Ribes alpinum* L.  
 251 *Ribes americanum* Mill.  
 \* 252 *Ribes aureum* Pursh (Washington, 1978)  
 253 *Ribes aureum* Pursh cv. *Chrysococcum* (Dnepropetrovsk, 1958)  
 \* 254 *Ribes diacanthum* Pall. (Moscow, 1989)  
 255 *Ribes divaricatum* Douglas (Vilnius, 1991)  
 \* 256 *Ribes glandulosum* Grauer ex Weber (Montréal, 1958)  
 257 *Ribes komarovii* Pojark. (Bayreuth, 1997)  
 258 *Ribes nigrum* L. var. *sibiricum* E.Wolf f. *fuscocarpum* (Krasnoyarsk, 1996)  
 259 *Ribes petraeum* Wulfen  
 \* 260 *Ribes spicatum* Robson (*Tallinn, Kloostrimetsa*, 1972)
- Hamamelidaceae**
- 261 *Hamamelis japonica* Siebold et Zucc. cv. *Zuccariniana* (Berlin-Dahlem, 1959)
- Hippocastanaceae**
- 262 *Aesculus x hybrida* DC.

**Hydrangeaceae**

- \* 263 *Hydrangea paniculata* Siebold (*Insulae Kurilenses, Kunashiri*, 1981)
- 264 *Hydrangea paniculata* Siebold cv. Praecox
- 265 *Philadelphus coronarius* L. (Tartu, 1957)
- \* 266 *Philadelphus lewisii* Pursh (Vancouver, 1967)

**Juglandaceae**

- 267 *Juglans cinerea* L.
- 268 *Pterocarya stenoptera* C.DC. (Beijing, 1957)

**Lamiaceae**

- 269 *Dracocephalum argunense* Fisch. ex Link (NARGS, 2001)
- \* 270 *Dracocephalum ruyschiana* L. (*Estonia, Jalase*, 1995)
- 271 *Nepeta grandiflora* M.Bieb. (Moscow, 1981)
- 272 *Nepeta nuda* L. (Vácrátót, 2000)
- 273 *Physostegia virginiana* (L.) Benth. (Donetsk, 1981)
- 274 *Physostegia virginiana* (L.) Benth. cv. Summer Snow (Manchester, 1978)
- 275 *Pycnanthemum tenuifolium* Schrad. (Glencoe, 1999)
- \* 276 *Salvia nemorosa* L. (*Caucasus borealis, Marina Roshcha*, 1990)
- 277 *Salvia pratensis* L. (Jena, 1989)
- 278 *Salvia verticillata* L. (Reykjavik, 2000)
- \* 279 *Sideritis hyssopifolia* L. (Lausanne, 2002)
- 280 *Stachys macrantha* (K.Koch) Stearn

**Lythraceae**

- \* 281 *Lythrum salicaria* L. (*Tallinn, Kloostrimetsa*, 2006)

**Menispermaceae**

- 282 *Menispermum canadense* L.
- 283 *Menispermum dauricum* DC. (Nizhni Novgorod, 1957)

**Moraceae**

- + 284 *Dorstenia contrajerva* L. (Strasbourg, 1961)
- + 285 *Dorstenia elata* Gardner (Düsseldorf, 1994)
- + 286 *Dorstenia foetida* (Forssk.) Schweinf. (Plzen, 2003)
- + 287 *Dorstenia hildebrandtii* Engl. (Plzen, 2003)
- 288 *Morus alba* L. (Samara, 1957)
- 289 *Morus australis* Poir. (Cluj, 1965)
- \* 290 *Morus rubra* L. (Lisle, 1991)

**Myricaceae**

- 291 *Myrica pensylvanica* Loisel.

**Myrtaceae**

- + 292 *Psidium littorale* Raddi (Stockholm, 1964)

**Oleaceae**

- \* 293 *Fraxinus chinensis* Roxb. var. *rhyrachophylla* (Hance) Hemsl. (*Rossia extremiorientalis, Shamora*, 1961)
- 294 *Fraxinus pennsylvanica* Marshall
- 295 *Fraxinus pennsylvanica* Marshall var. *subintegerrima* (Vahl) Fernald
- 296 *Ligustrum ibota* Siebold et Zucc. (København, 1991)
- 297 *Ligustrum tschonoskii* Decne. var. *glabrescens* Koidz. (Hørsholm, 1991)
- \* 298 *Ligustrum vulgare* L. (Salzburg, 1983)
- 299 *Ligustrum vulgare* L. cv. Aureovariegatum (Salaspils, 1964)

- 300 *Syringa josikaea* J.Jacq. ex Rchb.  
 301 *Syringa komarowii* C.K.Schneid.  
 302 *Syringa patula* (Palib.) Nakai (Rochester, 1973)  
 303 *Syringa reticulata* (Blume) Hara  
 \* 304 *Syringa reticulata* (Blume) Hara var. *amurensis* (Rupr.) Pringle (*Rossia extremiorientalis*, *Okeanskaya*, 1961)  
 305 *Syringa tomentella* Bureau et Franch. (Edinburgh, 1958)  
 306 *Syringa villosa* Vahl  
 307 *Syringa wolfii* C.K.Schneid. (Nizhni Novgorod, 1957)  
 \* 308 *Syringa wolfii* C.K.Schneid. var. *hirsuta* (C.K.Schneid.) Hatus. (*Rossia extremiorientalis*, *Kedrovaya Pad'*, 1961)
- Onagraceae**
- 309 *Oenothera macrocarpa* Nutt. (Bydgoszcz, 1989)  
 310 *Oenothera stricta* Ledeb. ex Link cv. *Sulphurea* (Amsterdam, 2006)
- Paeoniaceae**
- \* 311 *Paeonia lactiflora* Pall. (Estonia, Tamsa, 1998)
- Passifloraceae**
- + 312 *Passiflora coriacea* Juss. (Leiden, 2004)
- Phytolaccaceae**
- + 313 *Rivina humilis* L. (Tartu, 1959)
- Polygonaceae**
- \* 314 *Bistorta officinalis* Delarbre (Paris, 1993)
- Primulaceae**
- 315 *Androsace lactea* L. (Ljubljana, 1998)  
 316 *Lysimachia clethroides* Duby (Tartu, 1999)
- Ranunculaceae**
- \* 317 *Aconitum anthora* L. (Cogne, 2001)  
 318 *Aconitum napellus* L. (Tallinn, 1961)  
 319 *Aconitum tokii* Nakai (Trento, 2002)  
 320 *Adonis vernalis* L. (Bydgoszcz, 1961)  
 321 *Cimicifuga americana* Michx. (Cluj-Napoca, 1987)  
 322 *Cimicifuga dahurica* (Turcz.) Torr. et A.Gray ex Maxim. (Warszawa, 1993)  
 323 *Cimicifuga europaea* Schipcz. (Lublin, 1991)  
 324 *Cimicifuga racemosa* (L.) Nutt. var. *cordifolia* (Pursh) A.Gray (Berlin, 1976)  
 325 *Cimicifuga simplex* Wormsk. ex DC. var. *simplex* *Atropurpurea* Grp. (Tartu, 1998)  
 326 *Clematis integrifolia* L. (Oslo, 1957)  
 327 *Clematis recta* L. cv. *Purpurea* (Tübingen, 1997)  
 328 *Clematis vitalba* L. (København, 1958)  
 329 *Pulsatilla albana* (Steven) Bercht. et J.Presl (Wien, 1998)  
 330 *Pulsatilla vulgaris* Mill. (Vancouver, 1959)  
 331 *Ranunculus gramineus* L. (Grüningen, 1961)  
 332 *Ranunculus parnassifolius* L. (Reykjavik, 2000)  
 333 *Thalictrum aquilegifolium* L. (München, 1994)  
 334 *Thalictrum aquilegifolium* L. cv. *Album*  
 335 *Thalictrum flavum* L. ssp. *glaucum* (Desf.) Batt. (London, 1988)
- Rhamnaceae**
- \* 336 *Frangula alnus* Mill. (Tallinn, 1971)  
 337 *Rhamnus diamantiaca* Nakai (Vladivostok, 1973)

- 338 *Rhamnus japonica* Maxim. (Trondheim, 1998)  
**Rosaceae**
- 339 *Amelanchier alnifolia* (Nutt.) Nutt.  
340 *Amelanchier laevis* Wiegand (Washington, 1975)  
341 *Amelanchier lamarckii* F.G.Schroed.  
342 *Amelanchier ovalis* Medik. (Ljubljana, 1959)  
343 *Amelanchier sanguinea* (Pursh) DC. (Hørsholm, 1994)  
344 *Amelanchier spicata* (Lam.) K.Koch  
345 *Aronia arbutifolia* (L.) Pers. f. *leiocalyx* Rehder (Essen, 1957)  
346 *Aronia melanocarpa* (Michx.) Elliot (Wisley, 1996)  
347 *Aronia* × *prunifolia* (C.K.Schneid.) Graebn.  
348 *Aronia* × *prunifolia* (C.K.Schneid.) Graebn. cv. *Floribunda* (Kiel, 1996)  
349 × *Cerapadus miczurinii* Miczurin (Khorog, 1963)  
350 *Cerasus fruticosa* Pall.  
351 *Cerasus maximowiczii* (Rupr.) Kom. (Vladivostok, 1965)  
352 *Cerasus pensylvanica* (L.f.) Loisel. (Samara, 1957)  
353 *Chaenomeles japonica* (Thunb.) Lindl. ex Spach
- A 354 *Cotoneaster dielsianus* E.Pritz. (Kaunas, 1961)  
A 355 *Cotoneaster divaricatus* Rehder et E.H.Wilson (Antwerpen, 1957)  
356 *Cotoneaster foveolatus* Rehder et E.H.Wilson  
357 *Cotoneaster lucidus* Schtdl.  
358 *Cotoneaster nebrodensis* (Guss.) K.Koch (Paris, 1957)  
359 × *Crataegosorbus miczurinii* Pojark.
- A\* 360 *Crataegus chlorosarca* Maxim. (*Insula Sachalin, Dolinsk*, 1961)  
361 *Crataegus chrysoarpa* Ashe (Tartu, 1958)  
362 *Crataegus chrysoarpa* Ashe var. *phoenicea* Palmer (Helsinki, 1960)  
\* 363 *Crataegus crus-galli* L. (East Lansing, 1974)  
364 *Crataegus douglasii* Lindl.  
365 *Crataegus dsungarica* Zabel ex Lange (Samara, 1957)  
366 *Crataegus flabellata* (Bosc) K.Koch (Estonia, Tihemetsa, 1959)  
A\* 367 *Crataegus maximowiczii* C.K.Schneid. (*Rossia extremiorientalis, Kedrovaya Pad'*, 1961)
- \* 368 *Crataegus monogyna* Jacq. (Wien, 1975)  
369 *Crataegus pedicellata* Sarg. (Salaspils, 1979)  
370 *Crataegus punctata* Jacq. (Almaty, 1957)  
371 *Crataegus punctata* Jacq. f. *intermedia* Kruschke (Almaty, 1957)  
\* 372 *Crataegus rhipidophylla* Gand. (Salaspils, 1979)  
373 *Crataegus submollis* Sarg. (Samara, 1957)  
374 *Crataegus succulenta* (Link) Schrad. var. *macracantha* (Lodd.) Ettl. (Estonia, Järvelja, 1997)  
375 *Dryas octopetala* L. (Tartu, 1950)  
376 *Exochorda* × *macrantha* (Lemoine) C.K.Schneid.  
377 *Holodiscus discolor* (Pursh) Maxim.  
378 *Holodiscus dumosus* (Nutt. ex Hook.) A.Heller (Oslo, 1995)  
379 *Malus baccata* (L.) Borkh. (Vladivostok, 1973)  
\* 380 *Malus baccata* (L.) Borkh. var. *mandshurica* (Maxim.) C.K.Schneid. (*Rossia extremiorientalis, Okeanskaya*, 1961)  
381 *Malus* × *micromalus* Makino (Hørsholm, 1991)

- 382 *Malus sargentii* Rehder (Kiev, 1958)  
 383 *Malus sieboldii* (Rehder) Fiala cv. Calocarpa (Salaspils, 1990)  
 384 *Malus toringo* (Siebold) Siebold ex de Vriese (Lviv, 1959)  
 385 *Malus transitoria* (Batalin) C.K.Schneid. (København, 1974)  
 386 *Padus maackii* (Rupr.) Kom. (Tartu, 1958)  
 387 *Padus serotina* (Ehrh.) Borkh.  
 \* 388 *Padus ssiori* (F.Schmidt) C.K.Schneid. (*Insula Sachalin, Mt. Chekhov*, 1961)  
 389 *Photinia villosa* (Thunb.) DC. (Vancouver, 1959)  
 390 *Physocarpus amurensis* (Maxim.) Maxim. (København, 1958)  
 391 *Physocarpus capitatus* (Pursh) Kuntze (Bruxelles, 1957)  
 392 *Physocarpus opulifolius* (L.) Maxim.  
 393 *Physocarpus opulifolius* (L.) Maxim. var. *intermedius* (Rydb.) B.L.Rob.  
 \* 394 *Pyrus pyrastrer* Burgsd. (*Germania, Insula Vilm*, 1994)  
 \* 395 *Rosa acicularis* Lindl. (*Rossia extremiorientalis, Zeya*, 1975)  
 396 *Rosa acicularis* Lindl. var. *nipponensis* (Crép.) Koehne (Kyoto, 1982)  
 \* 397 *Rosa amblyotis* C.A.Mey. (*Insula Sachalin, Yuzhno-Sakhalinsk*, 1981)  
 398 *Rosa arvensis* Huds.  
 \* 399 *Rosa beggeriana* Schrenk (*Tianschan occidentalis, Alma-Arasan*, 1986)  
 400 *Rosa caesia* Sm.  
 \* 401 *Rosa canina* L. (Liège, 1982)  
 402 *Rosa canina* L. cv. Inermis (Iași, 1984)  
 403 *Rosa carolina* L. var. *grandiflora* (Baker) Rehder (Glencoe, 1988)  
 404 *Rosa davurica* Pall. (Vladivostok, 1990)  
 405 *Rosa elegantula* Rolfe (Leiden, 1957)  
 406 *Rosa gallica* L. (Cluj-Napoca, 1983)  
 407 *Rosa glauca* Pourr. (Riga, 1963)  
 \* 408 *Rosa laxa* Retz. (Moscow, 1982)  
 409 *Rosa x macrantha* Desp. (Kalmthout, 1961)  
 410 *Rosa majalis* Herrm.  
 \* 411 *Rosa maximowicziana* Regel (*Rossia extremiorientalis, Shamora*, 1980)  
 \* 412 *Rosa micrantha* Borrer ex Sm. (Liège, 1982)  
 413 *Rosa multiflora* Thunb. ex Murray (Koshigaya, 1983)  
 414 *Rosa nitida* Willd. (Helsinki, 1992)  
 415 *Rosa palustris* Marshall (Philadelphia, 1983)  
 \* 416 *Rosa pendulina* L. (Tübingen, 1981)  
 \* 417 *Rosa rugosa* Thunb. (*Insulae Kurilenses, Kunashiri*, 1981)  
 418 *Rosa rugosa* Thunb. cv. Alba (Nijmegen, 1988)  
 419 *Rosa rugosa* Thunb. cv. Rosea (Helsinki, 1960)  
 420 *Rosa setipoda* Hemsl. et E.H.Wilson (Helsinki, 1960)  
 \* 421 *Rosa spinosissima* L. (*Sibiria australis, Aktash*, 1986)  
 422 *Rosa spinosissima* L. cv. Grandiflora  
 423 *Rosa spinosissima* L. cv. Plena (Kalmthout, 1961)  
 \* 424 *Rosa subcollina* (H.Christ) R.Keller (Liège, 1987)  
 425 *Rosa sweginzowii* Koehne (Kalmthout, 1961)  
 426 *Rosa turcica* Rouy (Amsterdam, 1958)  
 427 *Rosa villosa* L.  
 428 *Rosa virginiana* Herrm. (Strasbourg, 1996)  
 \* 429 *Rosa woodsii* Lindl. var. *fendleri* (Crép.) Rehder (Canada, Golden Seed Service, 1986)

- \* 430 *Rosa vosagiaca* Desp. (Hamburg, 1986)
- 431 *Rubus idaeus* L. f. *chlorocarpus* Krause (Turku, 2000)
- 432 *Rubus occidentalis* L. (South Hadley, 1997)
- \* 433 *Rubus odoratus* L. (Montréal, 1970)
- \* 434 *Rubus parvifolius* L. (*Insulae Kurilenses, Kunashiri*, 1982)
- \* 435 *Sanguisorba dodecandra* Moretti (Berlin-Dahlem, 1999)
- 436 *Sanguisorba hakusanensis* Makino (Northampton, 1995)
- 437 *Sibiraea altaiensis* (Laxm.) C.K.Schneid.
- 438 *Sorbus alnifolia* (Siebold et Zucc.) K.Koch var. *submollis* Rehder (Nayoro, 1969)
- \* 439 *Sorbus amurensis* Koehne (*Rossia extremiorientalis, Mt. Khualaza*, 1961)
- \* 440 *Sorbus aria* (L.) Crantz (Klagenfurt, 1978)
- \* 441 *Sorbus aucuparia* L. (Tallinn, 1973)
- 442 *Sorbus aucuparia* L. cv. Saharnaja (Tallinn, 2000)
- \* 443 *Sorbus chamaemespilus* (L.) Crantz (Klagenfurt, 1978)
- 444 *Sorbus* cv. Chinense Lace (Tallinn, 1998)
- 445 *Sorbus commixta* Hedl. (Sapporo, 1967)
- 446 *Sorbus commixta* Hedl. cv. Serotina (Essen, 1958)
- 447 *Sorbus decora* (Sarg.) C.K.Schneid. (Philadelphia, 1975)
- \* 448 *Sorbus intermedia* (Ehrh.) Pers. (*Estonia, insula Saaremaa, Lümada*, 1971)
- 449 *Sorbus* cv. Joseph Rock (Hørsholm, 1991)
- 450 *Sorbus koehneana* C.K.Schneid. (Estonia, Kokemäe, 1984)
- A 451 *Sorbus koehneana* C.K.Schneid. (Minsk, 1985)
- 452 *Sorbus latifolia* (Lam.) Pers. (Cluj, 1958)
- 453 *Sorbus mougeotii* Soy.-Will. (Stockholm, 1958)
- 454 *Sorbus pohuashanensis* (Hance) Hedl. (Hørsholm, 1991)
- \* 455 *Sorbus rupicola* (Syme) Hedl. (*Estonia, insula Saaremaa, Sõrve*, 1982)
- \* 456 *Sorbus sambucifolia* (Cham. et Schltdl.) Roem. (*Rossia extremiorientalis, Sovetskaya Gavan'*, 1967)
- 457 *Sorbus x thuringiaca* (Ilse) Fritsch cv. Fastigiata (Tallinn, 1996)
- 458 *Sorbus* cv. Ullung (Hørsholm, 1991)
- \* 459 *Spiraea alba* Du Roi (Montréal, 1983)
- 460 *Spiraea crenata* L. (Moscow, 1963)
- \* 461 *Spiraea latifolia* (Aiton) Borkh. (Montréal, 1982)
- 462 *Spiraea x margaritae* Zabel (Genève, 1965)
- 463 *Spiraea rosthornii* Pritz. (Moscow, 1975)
- \* 464 *Spiraea salicifolia* L. (*Rossia extremiorientalis, Lazo*, 1977)
- 465 *Spiraea salicifolia* L. var. *humilis* (Pojark.) Hara (Almaty, 1965)

### **Rubiaceae**

- 466 *Asperula purpurea* (L.) Ehrend. (Cluj-Napoca, 1991)
- + 467 *Psychotria punctata* Vatke (Düsseldorf, 2001)

### **Rutaceae**

- 468 *Dictamnus albus* L. (Moscow, 1959)
- + 469 *Murraya paniculata* (L.) Jack (Store Milde, 1986)
- 470 *Phellodendron amurense* Rupr.
- 471 *Phellodendron japonicum* Maxim. (Estonia, Luua, 1957)
- 472 *Phellodendron lavalleyi* Dode (Coimbra, 1966)
- 473 *Ptelea trifoliata* L.
- 474 *Ruta graveolens* L.

**Saxifragaceae**

- 475 *Astilboides tabularis* (Hemsl.) Engl.  
 476 *Rodgersia podophylla* A.Gray (Wien, 1967)  
 477 *Saxifraga irrigua* M.Bieb. (Chemnitz, 2000)  
 478 *Saxifraga manshuriensis* Kom. (Moscow, 1982)  
 479 *Saxifraga rotundifolia* L.  
 480 *Tellima grandiflora* (Pursh) Douglas ex Lindl.

**Schisandraceae**

- \* 481 *Schisandra chinensis* (Turcz.) Baill. (*Rossia extremiorientalis*,  
 Mt. Khualaza, 1961)

**Scrophulariaceae**

- 482 *Mimulus guttatus* Fisch. ex DC. (Amsterdam, 1959)  
 483 *Penstemon digitalis* Nutt. (Stěbořice, 1995)  
 484 *Penstemon digitalis* Nutt. cv. *Purpurea* (Prague, 2001)  
 + 485 *Tetranema roseum* (M.Martens et Galeotti) Standl. et Steyerl.  
 486 *Veronica longifolia* L.  
 487 *Veronica spicata* cv. *Alba* (Wrocław, 1989)  
 488 *Veronicastrum sachalinense* (Borissova) T.Yamaz. (Graz, 2004)  
 489 *Veronicastrum sibiricum* (L.) Pennell (Innsbruck, 1996)

**Solanaceae**

- \* 490 *Physochlaina orientalis* (M.Bieb.) G.Don (Pyatigorsk, 2004)  
 491 *Solanum dulcamara* L.  
 492 *Solanum dulcamara* L. f. *album* (Weston) Rehder  
 \* 493 *Solanum kitagawae* Schoenb.-Tem. (Krasnoyarsk, 1991)

**Tamaricaceae**

- \* 494 *Myricaria davurica* (Willd.) Ehrenb. (*Sibiria australis*, *Tuva*, *Torgalyg*, 1985)  
 \* 495 *Myricaria germanica* (L.) Desv. ssp. *alopecuroides* (Schrenk) Kitam. (*Sibiria australis*, *Altai*, *Kyrsai*, 1986)

**Thymelaeaceae**

- 496 *Daphne alpina* L. (Düsseldorf, 1997)

**Tiliaceae**

- 497 *Tilia mandshurica* Rupr. et Maxim. (Vladivostok, 1978)

**Ulmaceae**

- 498 *Ulmus glabra* Huds. (Tallinn, 1975)  
 \* 499 *Ulmus laevis* Pall. (*Tallinn*, *Kloosttrimetsa*, 1973)

**Verbenaceae**

- + 500 *Clerodendrum speciosissimum* Van Geert (Dresden, 1997)  
 + 501 *Lantana camara* L. (St. Petersburg, 1971)  
 + 502 *Stachytarpheta jamaicensis* (L.) J.Vahl (Mauritius, 2003)

**Violaceae**

- 503 *Viola elatior* Fr. (Mühlhausen, 1979)

**Monocotyledoneae****Alliaceae**

- 504 *Allium albidum* Fisch. (Moscow, 1993)  
 \* 505 *Allium alexeianum* Regel (Salaspils, 1998)  
 506 *Allium atropurpureum* Waldst. et Kit.



- \* 507 *Allium auctum* Omelcz. (*Tauria*, Mt. Ayu-Dag, 1980)
  - 508 *Allium brevistylum* S.Watson (Grenoble, 1998)
  - 509 *Allium carolinianum* DC. (Rostock, 1994)
  - 510 *Allium cernuum* Roth
  - 511 *Allium christophii* Trautv.
  - 512 *Allium flavum* L. var. *minus* Boiss. (Linz, 1997)
  - 513 *Allium gooddingii* Ownbey (Göteborg, 1999)
  - 514 *Allium hymenorrhizum* Ledeb. (Leipzig, 1997)
  - 515 *Allium kunthianum* Vved. (Oslo, 1996)
  - 516 *Allium obliquum* L.
  - 517 *Allium ochotense* Prokh.
  - 518 *Allium oreophilum* C.A.Mey.
  - \* 519 *Allium pseudoseravschanicum* Popov et Vved. ex Vved. (Estonia, Tamsa, 2005)
  - 520 *Allium pskemense* B.Fedtsch.
  - 521 *Allium ramosum* L. (Moscow, 1994)
  - 522 *Allium rotundum* L. ssp. *jajlae* (Vved.) Stearn
  - 523 *Allium rotundum* L. ssp. *waldsteinii* (G.Don) K.Richt.
  - 524 *Allium scorzonerifolium* Desf. ex DC.
  - 525 *Allium sphaerocephalon* L.
  - 526 *Allium stellatum* Ker Gawl. (Tübingen, 1996)
  - 527 *Allium strictum* Schrad. (Hamburg, 1978)
  - 528 *Allium zebdanense* Boiss. et Noë
  - 529 *Allium validum* S.Watson (Wien, 1996)
  - 530 *Allium victorialis* L.
  - \* 531 *Allium woronowii* Misch. ex Grossh. (Salaspils, 1998)
- Amaryllidaceae**
- \* 532 *Leucojum vernum* L. var. *carpathicum* Sweet (*Carpates orientales*, Biltse Volitsa, 1977)
  - 533 *Narcissus confusus* Pugsley (Madrid, 1994)
  - 534 *Narcissus rupicola* Dufour (Halle, 1997)
  - 535 *Narcissus triandrus* L. (Halle, 2001)
- Anthericaceae**
- 536 *Anthericum ramosum* L. (Bremen, 1990)
  - 537 *Anthericum ramosum* L. (Marburg, 1987)
- Araceae**
- + 538 *Anthurium bakeri* Hook.f. (Montréal, 1961)
  - \* 539 *Arisaema triphyllum* (L.) Schott (South Hadley, 1998)
  - \* 540 *Arum maculatum* L. (*Caucasus borealis*, *Gelendzhik*, 1989)
  - + 541 *Remusatia vivipara* (Roxb.) Schott (Tübingen, 1987)
- Asphodelaceae**
- 542 *Paradisea liliastrum* (L.) Bertol. (Estonia, Viljandi, 1946)
- Bromeliaceae**
- + 543 *Acanthostachys strobilacea* (Schult.f.) Klotzsch
  - + 544 *Puya mirabilis* (Mez) L.B.Sm. (Gent, 1976)
- Colchicaceae**
- 545 *Colchicum alpinum* DC. (Budapest, 1995)
  - 546 *Colchicum diampolis* Delip. et Ceschm. (Budapest, 1994)

**Commelinaceae**

- + 547 *Cyanotis somaliensis* C.B. Clarke
- + 548 *Tradescantia spathacea* Sw.

**Convallariaceae**

- \* 549 *Polygonatum multiflorum* (L.) All. (*Estonia, Puhtu*, 2000)

**Costaceae**

- + 550 *Costus speciosus* (J.König) Sm. (Köln, 1971)

**Cyperaceae**

- + 551 *Kyllinga monocephala* Rottb. (Stockholm, 1972)

**Hostaceae**

- 552 *Hosta sieboldii* (Paxton) J.Ingram (Tartu, 2005)

**Hyacinthaceae**

- 553 *Galtonia viridiflora* Verd.
- \* 554 *Muscari tenuiflorum* Tausch (Liberec, 1995)
- 555 *Ornithogalum boucheanum* (Kurth) Asch.
- \* 556 *Ornithogalum fimbriatum* Willd. (*Tauria, Mt. Ai-Petri*, 1965)
- 557 *Puschkinia scilloides* Adams cv. Alba
- 558 *Scilla mischtschenkoana* Grossh.
- 559 *Scilla siberica* Haw. cv. Alba (Edinburgh, 1962)

**Iridaceae**

- \* 560 *Crocus vernus* (L.) Hill Heuffelianus Grp. (*Carpatas orientales, Sredne-Veretski*, 1977)
- 561 *Sisyrinchium angustifolium* Mill. (Göttingen, 1993)

**Ixioliriaceae**

- 562 *Ixiolirion tataricum* (Pall.) Herb. (Leipzig, 1991)

**Liliaceae**

- 563 *Erythronium caucasicum* Woronow (Stavropol, 1964)
- 564 *Erythronium sibiricum* (Fisch. et C.A.Mey.) Krylov (St. Petersburg, 1983)
- 565 *Fritillaria caucasica* Adams (Göteborg, 1995)
- 566 *Fritillaria crassifolia* Boiss. et Huet ssp. *kurdica* (Boiss. et Noë) Rix
- 567 *Fritillaria michailovskyi* Fomin
- 568 *Fritillaria pallidiflora* Schrenk
- 569 *Fritillaria tubiformis* Gren. et Godr. (Rostock, 1993)
- 570 *Tulipa kaufmanniana* Regel

**Melanthiaceae**

- 571 *Veratrum nigrum* L. (Trieste, 1978)

**Zingiberaceae**

- + 572 *Burbridgea schizocheila* W.Hackett (Düsseldorf, 2000)
- + 573 *Hedychium coccineum* Buch.-Ham. (Jena, 1972)
- + 574 *Hedychium gardnerianum* Ker Gawl.
- + 575 *Hedychium horsfieldii* R.Br. ex Wall. (Bratislava, 1991)
- 576 *Roscoea alpina* Royle (Lausanne, 1997)

**Trilliaceae**

- 577 *Trillium cernuum* L. (South Hadley, 1997)

Seminum collectores: J. Elliku, H. Dikker, T. Jaanus, S. Janson, A. Kaur, K. Kirotar, V. Kuusmann, J. Mettik, L. Mik, M. Raidma, M. Seidelberg, E. Siibak, A. Vammus

## **II Semina plantarum spontanearum in diversis regionibus Estoniae collecta**

### **GYMNOSPERMAE**

#### **Cupressaceae**

- 578 *Juniperus communis* L. – gravel-pit, Viieristi, Sõrve Peninsula, Saaremaa Island, W Estonia 58°01'27" N 022°10'28" E 05.10.2006 AK
- 579 *Juniperus communis* L. – dry alvar grassland (*Trifolium montani-Filipenduletum vulgare*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 OA
- 580 *Juniperus communis* L. – roadside, Abruca Island, Saaremaa Island, W Estonia 58°09'34" N 022°31'25" E 15.09.2006 JE
- 581 *Juniperus communis* L. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'37" N 023°02'16" E 30.09.2006 MR

### **ANGIOSPERMAE**

#### **Dicotyledoneae**

#### **Apiaceae**

- 582 *Anthriscus sylvestris* (L.) Hoffm. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 11.07.2006 MR
- 583 *Carum carvi* L. – dry alvar grassland (*Trifolium montani-Filipenduletum vulgare*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 SJ
- 584 *Daucus carota* L. – dry cultivated hayland, Abruca Island, W Estonia 58°09'32" N 022°31'02" E 15.09.2006 OA
- 585 *Daucus carota* L. – fresh alvar (*Carici flaccaes-Seslerietum*) grassland with *Juniperus communis*, Sarve Peninsula, Hiiumaa Island, W Estonia 58°50'27" N 023°02'20" E 01.10.2006 MR
- 586 *Heracleum sphondylium* L. ssp. *sibiricum* (L.) Simonk. – waste land near railway, Karjamaa, Tallinn, N Estonia 59°27'01" N 024°43'17" E 14.06.2006 MR
- 587 *Myrrhis odorata* (L.) Scop. – naturalized, Valgjärve Park, Põlva county, SE Estonia 58°05'09" N 026°38'26" E 19.09.2006 AK
- 588 *Myrrhis odorata* (L.) Scop. – naturalized, roadside, Koikla Park, Saaremaa Island, W Estonia 58°28'34" N 022°46'52" E 04.10.2006 JE, AK, VK
- 589 *Sanicula europaea* L. – fresh boreo-nemoral *Aegopodium* spruce (*Picea abies*) forest (*Aegopodio-Piceetum*), Ruhnu Island, W Estonia 57°48'16" N 023°15'50" E 14.09.2006 OA
- 590 *Sanicula europaea* L. – fresh boreo-nemoral *Aegopodium* ash (*Fraxinus excelsior*) forest (*Aegopodio-Fraxinetum*), Abruca Island, W Estonia 58°09'28" N 022°30'20" E 15.09.2006 OA

#### **Asteraceae**

- 591 *Achillea millefolium* L. – waste land, Sikupilli, Tallinn, N Estonia 59°25'48" N 024°48'14" E 19.09.2006 MR, IU
- 592 *Antennaria dioica* (L.) Gaertn. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Hiiu, Tallinn, N Estonia 59°22'32" N 024°39'44" E 02.08.2006 OA

- 593 *Arctium lappa* L. – sandy seashore, Limo, Ruhnu Island, W Estonia  
57°48'26" N 023°16'06" E 14.09.2006 OA
- 594 *Arctium lappa* L. – roadside, Ruhnu Island, W Estonia 57°48'20" N  
023°13'35" E 14.09.2006 OA
- 595 *Artemisia vulgaris* L. – waste land, Uuslinn, Tallinn, N Estonia 59°26'07" N  
024°47'57" E 19.09.2006 MR, IU
- 596 *Aster tripolium* L. – pebbly seashore, Vahekari Island, Harju county, N  
Estonia 59°36'27" N 025°19'31" E 08.08.2006 MR
- 597 *Carlina vulgaris* L. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest  
(*Calamagrostio-Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'37"  
N 023°02'16" E 01.10.2006 MR
- 598 *Cirsium arvense* (L.) Scop. var. *mite* Wimm. et Grab. – waste land, Rocca  
al Mare, Tallinn, N Estonia 59°25'38" N 024°39'11" E 08.08.2006 OA
- 599 *Erigeron acer* L. ssp. *acer* – waste land, Sikupilli, Tallinn, N Estonia  
59°25'48" N 024°48'14" E 19.09.2006 MR, IU
- 600 *Gnaphalium sylvaticum* L. – abandoned field, Kohila, Rapla county, NW  
Estonia 59°09'23" N 024°44'43" E 20.09.2006 UL
- 601 *Hieracium umbellatum* L. – waste land, Kloostrimetsa, Tallinn, N Estonia  
59°28'02" N 024°53'18" E 16.08.2006 MR
- 602 *Hypochaeris maculata* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus  
sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Hiiu, Tallinn, N Estonia  
59°22'32" N 024°39'44" E 02.08.2006 OA
- 603 *Hypochaeris maculata* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus  
sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N  
Estonia 59°27'41" N 024°51'52" E 03.08.2006 MR
- 604 *Inula salicina* L. – roadside, Abruka Island, W Estonia 58°09'37" N  
022°31'20" E 15.09.2006 OA
- 605 *Lapsana communis* L. – dry boreal oak-pine (*Quercus robur-Pinus  
sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa,  
Tallinn, N Estonia 59°28'13" N 024°52'56" E 26.0 7.2006 KP, MR
- 606 *Leontodon hispidus* L. ssp. *hispidus* – dry boreal *Vaccinium vitis-idaea*  
pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Hiiu, Tallinn, N  
Estonia 59°22'32" N 024°39'44" E 02.08.2006 OA
- 607 *Matricaria perforata* Mérat – waste land, Kloostrimetsa, Tallinn, N Estonia  
59°28'02" N 024°53'14" E 17.08.2006 MR
- 608 *Matricaria perforata* Mérat – waste land, Rocca al Mare, Tallinn, N Estonia  
59°25'38" N 024°39'11" E 08.08.2006 OA
- 609 *Matricaria perforata* Mérat – pebbly seashore, Põhja-Malusi Island, Harju  
county, N Estonia 59°37'14" N 025°19'11" E 08.08 .2006 SJ, KP, MR
- 610 *Matricaria perforata* Mérat – roadside, Tännassilma, Harju county, N Estonia  
59°20'23" N 024°38'59" E 27.07.2006 OA
- 611 *Mycelis muralis* (L.) Dumort. – *Oxalis-Vaccinium myrtillus* spruce (*Picea  
abies*) forest (*Oxali-Vaccinio-Piceetum*), Kloostrimetsa, Tallinn, N Estonia,  
59°27'52" N 024°52'03" E 03.08.2006 MR
- 612 *Mycelis muralis* (L.) Dumort. – fresh boreo-nemoral *Aegopodium* spruce  
(*Picea abies*) forest (*Aegopodio-Piceetum*), Ruhnu Island, W Estonia  
57°48'16" N 023°15'50" E 14.09.2006 JE
- 613 *Pilosella officinarum* F.W.Schultz et Sch.Bip. – dry boreal heath grassland  
(*Galio veri-Thymetum*), Tännassilma, Harju county, N Estonia 59°20'37" N  
024°38'13" E 27.07.2006 SJ

- 614 *Pilosella officinarum* F.W.Schulz et Sch.Bip. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°52'51" E 27.06.2006 MR
- 615 *Senecio paludosus* L. – poor fen (*Calamagrostetum canescentis*), Pedassaare, Jõgeva county, E Estonia 58°38'56" N 026°50'30" E 29.09.2006 OA
- 616 *Senecio viscosus* L. – pebbly seashore, Põhja-Malusi Island, Harju county, N Estonia 59°37'14" N 025°19'11" E 08.08.2006 MR
- 617 *Solidago virgaurea* L. – gravel-pit, Viieristi, Sõrve Peninsula, Saaremaa Island, W Estonia 58°01'27" N 022°10'28" E 05.10.2006 AK, VK, AV
- 618 *Solidago virgaurea* L. – abandoned field, Kohila, Rapla county, NW Estonia 59°09'23" N 024°44'43" E 20.09.2006 UL
- 619 *Tanacetum vulgare* L. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'58" N 024°52'38" E 26.09.2006 MR, IU
- 620 *Tanacetum vulgare* L. – pebbly seashore, Heltermaa, Hiiumaa Island, W Estonia 58°51'28" N 023°02'49" E 01.10.2006 MR
- 621 *Tragopogon pratensis* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Laukna, Rapla county, NW Estonia 58°55'03" N 024°12'18" E 02.07.2006 VK
- 622 *Tragopogon pratensis* L. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 30.06.2006 MR, IU
- 623 *Tussilago farfara* L. – pebbly seashore, Suur-Paljassaare, Tallinn, N Estonia 59°28'51" N 024°41'08" E 08.06.2006 MR
- 624 *Tussilago farfara* L. – waste land, Mäeküla, Tallinn, N Estonia 59°23'53" N 024°36'34" E 17.05.2006 OA, MR

### **Balsaminaceae**

- 625 *Impatiens parviflora* DC. – naturalized, dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur-Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'57" E 19.09.2006 MR

### **Betulaceae**

- 626 *Alnus glutinosa* (L.) Gaertn. – roadside, Vääna-Jõesuu, Harju county, N Estonia 59°37'14" N 024°19'11" E 26.10.2006 MR
- 627 *Alnus incana* (L.) Moench – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°52'45" E 26.09.2006 MR, IU
- 628 *Alnus incana* (L.) Moench – sandy seashore, Türisalu, Harju county, N Estonia 59°25'04" N 024°18'53" E 26.10.2006 MR
- 629 *Betula humilis* Schrank – poor fen (*Calamagrostetum canescentis*), Pedassaare, Jõgeva county, E Estonia 58°38'54" N 026°50'12" E 29.09.2006 OA
- 630 *Betula pendula* Roth – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'34" N 023°02'16" E 01.10.2006 MR
- 631 *Betula pendula* Roth. – roadside, Ruhnu Island, W Estonia 57°48'08" N 023°14'38" E 14.09.2006 OA

### **Boraginaceae**

- 632 *Echium vulgare* L. – waste land, Uuslinn, Tallinn, N Estonia 59°26'20" N 024°48'15" E 19.09.2006 MR

- 633 *Myosotis arvensis* (L.) Hill – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'33" E 13.07.2006 MR
- 634 *Myosotis laxa* Lehm. ssp. *caespitosa* (Schultz) Hyl. ex Nordh. – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 SJ, MR
- Brassicaceae**
- 635 *Berteroa incana* (L.) DC. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'50" E 14.08.2006 MR
- 636 *Berteroa incana* (L.) DC. – roadside, Abruka Island, W Estonia 58°09'48" N 022°30'09" E 15.09.2006 OA
- 637 *Bunias orientalis* L. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 26.09.2006 MR, IU
- 638 *Cakile maritima* Scop. – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA, MK
- 639 *Capsella bursa-pastoris* (L.) Medik. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'00" N 024°52'54" E 11.07.2006 MR
- 640 *Cardaminopsis arenosa* (L.) Hayek – railway, Rae, Pärnu, SW Estonia 58°21'33" N 024°34'22" E 04.07.2006 OA
- 641 *Diplotaxis muralis* (L.) DC. – roadside, Naage, Harju county, N Estonia 59°24'49" N 024°20'33" E 26.10.2006 MR
- 642 *Diplotaxis muralis* (L.) DC. – tramway, Vanalinn, Tallinn, N Estonia 59°26'37" N 024°44'56" E 15.08.2006 OA
- 643 *Erophila verna* (L.) Chevall. – dry alvar grassland (*Ditricho-Thymetum*), Mäeküla, Tallinn, N Estonia 59°23'54" N 024°37'13" E 17.05.2006 OA, MR
- 644 *Erucastrum gallicum* (Willd.) O.E.Schulz – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 OA, KP
- 645 *Erysimum strictum* P.Gaertn., B.Mey. et Scherb. – pebbly seashore, Põhja-Malusi Island, Harju county, N Estonia 59°37'14" N 025°19'11" E 08.08.2006 SJ, MR
- 646 *Erysimum strictum* P.Gaertn., B.Mey. ex M.Bieb. – roadside, Lükati, Tallinn, N Estonia 59°27'37" N 024°51'15" E 03.08.2006 MR
- 647 *Isatis tinctoria* L. – pebbly seashore, Põhja-Malusi Island, Harju county, N Estonia 59°37'14" N 025°19'11" E 08.08.2006 SJ, KP, MR
- 648 *Lepidium ruderales* L. – waste land, Kalaranna, Tallinn, N Estonia 59°26'55" N 024°44'38" E 15.08.2006 OA
- 649 *Sisymbrium altissimum* L. – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'01" N 025°19'28" E 08.08.2006 RA, UL
- 650 *Sisymbrium altissimum* L. – waste land, Rocca al Mare, Tallinn, N Estonia 59°25'38" N 024°39'11" E 08.08.2006 OA
- 651 *Sisymbrium supinum* L. – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 OA, SJ
- 652 *Thlaspi arvense* L. – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 OA
- 653 *Thlaspi arvense* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'16" N 024°52'39" E 12.07.2006 MR

**Campanulaceae**

- 654 *Campanula latifolia* L. – naturalized, Valgjärve Park, Põlva county, SE Estonia 58°05'09" N 026°38'26" E 19.09.2006 AK

**Cannabaceae**

- 655 *Humulus lupulus* L. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'52" N 024°53'17" E 26.09.2006 MR, IU

**Caprifoliaceae**

- 656 *Lonicera xylosteum* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 JE
- 657 *Lonicera xylosteum* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'07" N 024°52'25" E 03.08.2006 MR
- 658 *Lonicera xylosteum* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'53" N 024°53'28" E 07.08.2006 MR, IU
- 659 *Sambucus racemosa* L. – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'02" N 025°19'28" E 08.08.2006 MR
- 660 *Viburnum opulus* L. – gravel-pit, Viieristi, Sõrve Peninsula, Saaremaa Island, W Estonia 58°01'27" N 022°10'28" E 05.10.2006 AK
- 661 *Viburnum opulus* L. – roadside, Abruka Island, W Estonia 58°09'37" N 022°31'20" E 15.09.2006 OA, JE, AV
- 662 *Viburnum opulus* L. – roadside, Heltermaa, Hiiumaa Island, W Estonia 58°51'24" N 023°01'56" E 30.09.2006 MR

**Caryophyllaceae**

- 663 *Silene alba* (Mill.) E.H.L.Krause – fresh boreo-nemoral *Aegopodium* alder (*Alnus incana*) forest (*Aegopodio-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'50" N 024°53'05" E 07.08.2006 MR, IU
- 664 *Silene dioica* (L.) Clairv. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'03" N 024°52'36" E 21.07.2006 MR
- 665 *Silene dioica* (L.) Clairv. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'42" E 18.07.2006 MR
- 666 *Silene nutans* L. – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'01" N 025°19'28" E 08.08.2006 SJ, KP, MR
- 667 *Spergula arvensis* L. – sandpit, Ruhnu Island, W Estonia 57°48'09" N 023°14'48" E 14.09.2006 OA

**Chenopodiaceae**

- 668 *Atriplex calotheca* (Rafn) Fr. – sandy seashore, Limo, Ruhnu Island, W Estonia 57°47'56" N 023°16'26" E 14.09.2006 OA
- 669 *Salsola kali* L. ssp. *kali* – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA

**Cistaceae**

- 670 *Helianthemum nummularium* (L.) Mill. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Sarve, Hiiumaa Island, W Estonia 58°51'24" N 023°01'56" E 30.09.2006 MR

671 *Helianthemum nummularium* (L.) Mill. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 SJ

672 *Helianthemum nummularium* (L.) Mill. – fresh boreo-nemoral grassland (*Molinio-Cnidietum*), Abruksa Island, W Estonia 58°09'43" N 022°29'50" E 15.09.2006 OA

### **Clusiaceae**

673 *Hypericum perforatum* L. – roadside, Heltermaa, Hiiumaa Island, W Estonia 58°51'51" N 023°01'54" E 01.10.2006 MR

### **Convolvulaceae**

674 *Calystegia sepium* (L.) R.Br. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°52'45" E 11.07.2006 MR, IU

### **Cornaceae**

675 *Chamaepericlymenum suecicum* (L.) Asch. et Graebn. – brown dune (*Empetretum nigri*), Rammu Island, Harju county, N Estonia 59°34'21" N 025°13'43" E 08.08.2006 SJ, KP, MR

676 *Cornus sanguinea* L. – roadside, Kuusnõmme, Saaremaa Island, W Estonia 58°19'28" N 021°58'03" E 16.09.2006 JE

677 *Cornus sanguinea* L. – roadside, Heltermaa, Hiiumaa Island, W Estonia 58°51'24" N 023°01'56" E 30.09.2006 MR

### **Dipsacaceae**

678 *Scabiosa columbaria* L. – roadside, Heltermaa, Hiiumaa Island, W Estonia 58°50'08" N 023°03'05" E 01.10.2006 MR

### **Empetraceae**

679 *Empetrum nigrum* L. – brown (*Empetretum nigri*) dune, Rammu Island, Harju county, N Estonia 59°34'21" N 025°13'43" E 08.08.2006 SJ, MR

### **Ericaceae**

680 *Arctostaphylos uva-ursi* (L.) Spreng. – sandy roadside, Pillapalu, Harju county, N Estonia 59°22'07" N 025°32'39" E 14.08.2006 OA

681 *Oxycoccus palustris* Pers. – mixotrophic quagmire (*Cariceto limosae-Menyanthetum*), Sõbessoo Lake, Jalase, Rapla county, NW Estonia 58°59'11" N 024°36'40" E 11.08.2006 SJ

682 *Vaccinium myrtillus* L. – dry boreal *Vaccinium myrtillus* pine (*Pinus sylvestris*) forest (*Vaccinio myrtilli-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'15" N 024°51'52" E 03.08.2006 MR

683 *Vaccinium myrtillus* L. – dry boreal *Vaccinium myrtillus* pine (*Pinus sylvestris*) forest (*Vaccinio myrtilli-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'58" N 024°53'31" E 07.08.2006 MR, IU

684 *Vaccinium vitis-idaea* L. – brown (*Empetretum nigri*) dune, Rammu Island, Harju county, N Estonia 59°34'21" N 025°13'43" E 08.08.2006 SJ, MR

685 *Vaccinium vitis-idaea* L. – dry boreal *Vaccinium myrtillus* pine (*Pinus sylvestris*) forest (*Vaccinio myrtilli-Pinetum*), Vääna-Jõesuu, Harju county, N Estonia 59°25'20" N 024°21'05" E 26.10.2006 MR

686 *Vaccinium vitis-idaea* L. – dry boreal *Vaccinium myrtillus* pine (*Pinus sylvestris*) forest (*Vaccinio myrtilli-Pinetum*), Ruhnu Island, W Estonia 57°47'55" N 023°15'44" E 14.09.2006 OA

### **Euphorbiaceae**

687 *Euphorbia helioscopia* L. – field, Heltermaa, Hiiumaa Island, W Estonia 58°51'43" N 023°02'01" E 01.10.2006 MR



**Fabaceae**

- 688 *Anthyllis vulneraria* L. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Sarve, Hiiumaa Island, W Estonia 58°51'24" N 023°01'56" E 30.09.2006 MR
- 689 *Anthyllis vulneraria* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Liiva, Tallinn, N Estonia 59°22'37" N 024°44'09" E 08.08.2006 OA
- 690 *Galega orientalis* Lam. – naturalized, Aakre Park, Valga county, S Estonia 58°05'33" N 026°11'48" E 15.10.2006 AK, MR
- 691 *Galega orientalis* Lam. – naturalized, roadside, Tännassilma, Harju county, N Estonia 59°20'15" N 024°39'07" E 06.09.2006 OA
- 692 *Lathyrus linifolius* (Reichard) Bässler – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Hiiu, Tallinn, N Estonia 59°22'47" N 024°40'59" E 02.08.2006 OA
- 693 *Lathyrus sylvestris* L. – dry boreal heath grassland (*Galio veri-Thymetum*), Tännassilma, Harju county, N Estonia 59°20'37" N 024°38'13" E 27.07.2006 27.07.2006 SJ
- 694 *Lotus corniculatus* L. – roadside, Kalaranna, Tallinn, N Estonia 59°26'47" N 024°45'07" E 14.09.2006 MR, IU
- 695 *Medicago falcata* L. – waste land, Uuslinn, Tallinn, N Estonia 59°26'07" N 024°47'57" E 19.09.2006 MR, IU
- 696 *Medicago falcata* L. – waste land, Kalaranna, Tallinn, N Estonia 59°26'53" N 024°44'46" E 14.09.2006 MR
- 697 *Medicago lupulina* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'12" N 024°52'44" E 04.08.2006 MR
- 698 *Medicago lupulina* L. – waste land, Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°53'14" E 17.08.2006 MR
- 699 *Medicago lupulina* L. – dry alvar grassland (*Ditricho-Thymetum*), Astangu, Tallinn, N Estonia 59°23'53" N 024°38'36" E 19.07.2006 OA
- 700 *Medicago sativa* L. – roadside, Tännassilma, Harju county, N Estonia 59°20'15" N 024°39'07" E 06.09.2006 OA
- 701 *Melilotus alba* Medik. – waste land, Kalaranna, Tallinn, N Estonia 59°26'52" N 024°44'44" E 14.09.2006 MR, IU
- 702 *Melilotus officinalis* (L.) Lam. – waste land, Sikupilli, Tallinn, N Estonia 59°26'02" N 024°47'58" E 19.09.2006 MR, IU
- 703 *Trifolium montanum* L. – dry cultivated hayland, Abruka Island, W Estonia 58°09'32" N 022°31'02" E 15.09.2006 OA, JE
- 704 *Trifolium montanum* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 OA
- 705 *Vicia cracca* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 SJ
- 706 *Vicia cracca* L. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'02" N 024°52'40" E 31.07.2006 MR

**Fumariaceae**

- 707 *Corydalis solida* (L.) Clairv. – dry boreal grassland (*Festuco rubrae-Agrostietum capillaris*), Kloostrimetsa, Tallinn, N Estonia 59°28'14" N 024°53'04" E 18.05.2006 MR

- 708 *Corydalis solida* (L.) Clairv. – dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur*-*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 24.05.2006 MR

#### **Gentianaceae**

- 709 *Centaurium littorale* (Turner) Gilmour – saline coastal meadow (*Astero-Triglochinietum maritimi*), Kuusnõmme, Saaremaa Island, W Estonia 58°19'28" N 021°58'03" E 16.09.2006 OA

#### **Geraniaceae**

- 710 *Erodium cicutarium* (L.) L'Hér. – waste land, Rocca al Mare, Tallinn, N Estonia 59°25'38" N 024°39'11" E 08.08.2006 OA
- 711 *Geranium pratense* L. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 09.08.2006 MR, IU
- 712 *Geranium pratense* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 OA

#### **Grossulariaceae**

- 713 *Ribes alpinum* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'53" N 024°53'22" E 07.08.2006 MR, IU
- 714 *Ribes alpinum* L. – dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur*-*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'57" E 18.07.2006 MR

#### **Lamiaceae**

- 715 *Stachys palustris* L. – sandy seashore, Limo, Ruhnu Island, W Estonia 57°48'14" N 023°16'16" E 14.09.2006 OA
- 716 *Stachys sylvatica* L. – fresh boreo-nemoral *Aegopodium* ash (*Aegopodio-Fraxinetum*) forest, Abruka Island, W Estonia 58°09'34" N 022°31'16" E 15.09.2006 OA

#### **Onagraceae**

- 717 *Epilobium angustifolium* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 OA
- 718 *Oenothera biennis* L. – waste land, Sikupilli, Tallinn, N Estonia 59°26'05" N 024°48'26" E 19.09.2006 MR, IU

#### **Oxalidaceae**

- 719 *Oxalis acetosella* L. – drained peatland *Oxalis* spruce (*Picea abies*) forest (*Oxali-Piceetum*), Randvere, Harju county, N Estonia 59°31'21" N 024°54'08" E 31.08.2006 OA

#### **Papaveraceae**

- 720 *Chelidonium majus* – pebbly seashore, Põhja-Malusi, Harju county, N Estonia 59°37'14" N 025°19'11" E 08.08.2006 MR
- 721 *Chelidonium majus* L. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°52'45" E 11.07.2006 MR, IU

#### **Plantaginaceae**

- 722 *Plantago major* L. – roadside, Lükati, Tallinn, N Estonia 59°27'30" N 024°51'07" E 03.08.2006 MR
- 723 *Plantago major* L. – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 MR

- 724 *Plantago maritima* L. – pebbly seashore, Heltermaa, Hiiumaa Island, W Estonia 58°51'28" N 023°02'49" E 01.10.2006 M R
- 725 *Plantago maritima* L. – saline coastal meadow (*Astero-Triglochin* *maritimi*), Kuusnõmme, Saaremaa Island, W Estonia 58°19'28" N 021°58'03" E 16.09.2006 OA
- 726 *Plantago maritima* L. – roadside, Abruca Island, W Estonia 58°09'51" N 022°30'21" E 15.09.2006 OA, JE
- 727 *Plantago media* L. – dry alvar grassland (*Trifolium montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 OA

### **Plumbaginaceae**

- 728 *Armeria maritima* Willd. ssp. *elongata* (Hoffm.) Bonnier – brown dune (*Empetretum nigri*), Rammu Island, Harju county, N Estonia 59°34'21" N 025°13'43" E 08.08.2006 SJ, MR

### **Polygonaceae**

- 729 *Fallopia convolvulus* (L.) Å.Löve – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 SJ
- 730 *Polygonum lapathifolium* L. – sandy seashore, Limo, Ruhnu Island, W Estonia 57°48'14" N 023°16'16" E 14.09.2006 O A
- 731 *Rumex crispus* L. – roadside, Lükati, Tallinn, N Estonia 59°27'37" N 024°51'15" E 03.08.2006 MR
- 732 *Rumex crispus* L. – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09 .2006 OA
- 733 *Rumex crispus* L. – waste land, Kalaranna, Tallinn, N Estonia 59°26'52" N 024°44'44" E 14.09.2006 MR
- 734 *Rumex crispus* L. – pebbly seashore, Põhja-Malusi, Harju county, N Estonia 59°37'14" N 025°19'11" E 08.08.2006 MR
- 735 *Rumex maritimus* L. – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09 .2006 OA
- 736 *Rumex thyrsiflorus* Fingerh. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°27'59" N 024°52'51" E 25.08.2006 MR

### **Primulaceae**

- 737 *Primula veris* L. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Sarve, Hiiumaa Island, W Estonia 58°51'24" N 023°01'56" E 30.09.2006 MR
- 738 *Primula veris* L. – fresh boreo-nemoral grassland (*Festuco rubrae-Deschampsietum caespitosae*), Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 20.08.2006 SJ
- 739 *Primula veris* L. – fresh boreo-nemoral grassland (*Molinio-Cnidietum*), Abruca Island, W Estonia 58°09'43" N 022°29'50" E 15.09.2006 OA
- 740 *Trientalis europaea* L. – drained peatland *Oxalis* spruce (*Picea abies*) forest (*Oxali-Piceetum*), Randvere, Harju county, N Estonia 59°31'21" N 024°54'08" E 31.08.2006 OA

### **Pyrolaceae**

- 741 *Pyrola rotundifolia* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Liiva, Tallinn, N Estonia 59°22'34" N 024°44'16" E 08.08.2006 OA

**Ranunculaceae**

- 742 *Actaea spicata* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'53" N 024°53'28" E 07.08.2006 MR, IU
- 743 *Anemone nemorosa* L. – roadside, Haavakannu, Harju county, N Estonia 59°28'07" N 025°16'44" E 13.07.2006 SJ, VK, KP
- 744 *Anemone nemorosa* L. – dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur-Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'09" N 024°52'53" E 31.05.2006 MR
- 745 *Anemone sylvestris* L. – dry alvar grassland heath grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'39" N 024°38'19" E 27.07.2006 KP
- 746 *Aquilegia vulgaris* L. – dry alvar grassland heath grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'39" N 024°38'19" E 27.07.2006 SJ
- 747 *Aquilegia vulgaris* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 24.09.2006 UL
- 748 *Aquilegia vulgaris* L. – fresh boreo-nemoral grassland (*Festuco rubrae-Deschampsietum caespitosae*), Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 20.08.2006 SJ
- 749 *Caltha palustris* L. – riverside, Pirita River, Kloostrimetsa, Tallinn, N Estonia 59°27'55" N 024°53'05" E 30.06.2006 MR
- 750 *Consolida regalis* Gray – waste land, Kalaranna, Tallinn, N Estonia 59°26'55" N 024°44'39" E 14.09.2006 MR, IU
- 751 *Pulsatilla pratensis* (L.) Mill. – dry boreal grassland (*Deschampsietum flexuosae*), Audevälja, Harju county, N Estonia 59°11'54" N 024°04'15" E 13.07.2006 SJ, KK, VK
- 752 *Pulsatilla pratensis* (L.) Mill. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'50" E 27.06.2006 MR
- 753 *Ranunculus cassubicus* L. – fresh boreo-nemoral grassland (*Festuco rubrae-Deschampsietum caespitosae*), Audaku, Saaremaa Island, W Estonia 58°17'52" N 022°06'09" E 13.06.2006 OA, MR
- 754 *Ranunculus polyanthemos* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'41" N 024°51'52" E 03.08.2006 MR
- 755 *Trollius europaeus* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Raikküla, Rapla county, NW Estonia 58°56'25" N 024°44'50" E 13.07.2006 SJ

**Rhamnaceae**

- 756 *Frangula alnus* Mill. – roadside, Abruka Island, W Estonia 58°09'37" N 022°31'20" E 15.09.2006 OA, JE
- 757 *Frangula alnus* Mill. – pebbly seashore, Heltermaa, Hiiumaa Island, W Estonia 58°51'28" N 023°02'49" E 01.10.2006 MR
- 758 *Rhamnus catharticus* L. – dry boreo-nemoral *Hepatica* pine (*Pinus sylvestris*) forest (*Hepatico-Pinetum*), Türisalu, Harju county, NW Estonia 59°24'50" N 024°18'32" E 26.10.2006 MR

- 759 *Rhamnus catharticus* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*) on glint, Uuslinn, Tallinn, N Estonia 59°26'23" N 024°48'14" E 19.09.2006 MR, IU
- 760 *Rhamnus catharticus* L. – roadside, Abruca Island, W Estonia 58°09'49" N 022°30'38" E 15.09.2006 OA, JE
- Rosaceae**
- 761 *Agrimonia eupatoria* L. – roadside, Abruca Island, W Estonia 58°09'37" N 022°31'20" E 15.09.2006 OA, JE
- 762 *Agrimonia eupatoria* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'43" N 024°38'08" E 06.09.2006 OA
- 763 *Agrimonia eupatoria* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 20.09.2006 UL
- 764 *Cotoneaster canescens* Vestergr. ex B.Hylmö – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'01" N 025°19'28" E 08.08.2006 SJ, KP, MR
- 765 *Cotoneaster rannensis* B.Hylmö et J.Fryer – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*) on glint, Uuslinn, Tallinn, N Estonia 59°26'16" N 024°47'59" E 19.09.2006 MR, IU
- 766 *Cotoneaster scandinavicus* B.Hylmö – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'37" N 023°02'16" E 30.09.2006 MR
- 767 *Crataegus rhipidophylla* Gand. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio-Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'37" N 023°02'16" E 30.09.2006 MR
- 768 *Crataegus rhipidophylla* Gand. – roadside, Abruca Island, W Estonia 58°09'28" N 022°30'42" E 15.09.2006 JE
- 769 *Crataegus rhipidophylla* Gand. – roadside, Abruca Island, W Estonia 58°09'35" N 022°30'53" E 15.09.2006 OA, JE
- 770 *Filipendula ulmaria* (L.) Maxim. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Astangu, Tallinn, N Estonia 59°24'11" N 024°37'46" E 18.09.2006 OA
- 771 *Filipendula vulgaris* Moench – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 SJ
- 772 *Fragaria vesca* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 OA, SJ, MR
- 773 *Fragaria vesca* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'36" E 12.07.2006 MR
- 774 *Geum urbanum* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 OA, JE, SJ, VK
- 775 *Padus avium* Mill. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'59" N 024°52'54" E 18.07.2006 MR
- 776 *Padus avium* Mill. – roadside, Uusküla, Harju county, N Estonia 59°28'55" N 025°00'26" E 22.07.2006 SJ

- 777 *Potentilla argentea* L. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'13" N 024°52'50" E 14.08.2006 MR
- 778 *Potentilla fruticosa* L. – fresh alvar grassland (*Seslerio–Potentilletum fruticosae*), Harju county, N Estonia 59°25'11" N 024°19'30" E 26.10.2006 MR
- 779 *Potentilla palustris* (L.) Scop. – pool, Rammu Island, Harju county, N Estonia 59°34'28" N 025°13'30" E 08.08.2006 SJ, KP, MR
- 780 *Rosa coriifolia* Fr. – roadside, Abruka Island, W Estonia 58°09'51" N 022°30'18" E 15.09.2006 OA, JE
- 781 *Rosa majalis* Herrm. – fresh alvar grassland (*Seslerio–Potentilletum fruticosae*), Harju county, N Estonia 59°25'11" N 024°19'30" E 26.10.2006 MR
- 782 *Rosa mollis* Sm. – dry alvar *Calamagrostis* birch (*Betula pendula*) forest (*Calamagrostio–Betuletum*), Heltermaa, Hiiumaa Island, W Estonia 58°51'35" N 023°02'16" E 01.10.2006 MR
- 783 *Rosa mollis* Sm. – roadside, Abruka Island, W Estonia 58°09'35" N 022°30'53" E 15.09.2006 JE
- 784 *Rosa subcanina* (Christ) Dalla Torre et Sarnth. – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*) on glint, Uuslinn, Tallinn, N Estonia 59°26'21" N 024°48'12" E 19.09.2006 MR, IU
- 785 *Rosa subcanina* Dalla Torre et Sarnth. – roadside, Abruka Island, W Estonia 58°09'42" N 022°30'45" E 15.09.2006 O A, JE
- 786 *Rosa subcanina* Dalla Torre et Sarnth. – roadside, Ruhnu Island, W Estonia 57°48'07" N 023°14'37" E 14.09.2006 OA
- 787 *Rubus caesius* L. – railway, Kalamaja, Tallinn, N Estonia 59°27'02" N 024°43'56" E 14.09.2006 MR, IU
- 788 *Rubus caesius* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'00" N 024°52'10" E 03.08.2006 MR
- 789 *Rubus caesius* L. – roadside, Abruka Island, W Estonia 58°09'35" N 022°31'12" E 15.09.2006 OA, JE
- 790 *Rubus chamaemorus* L. – treed hummock bog with *Pinus sylvestris*, Jalase, Rapla county, NW Estonia 58°58'51" N 024°37'05" E 11.08.2006 SJ
- 791 *Rubus idaeus* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°52'03" E 03.08.2006 MR
- 792 *Rubus saxatilis* L. – fresh boreo-nemoral grassland (*Festuco rubrae–Deschampsietum caespitosae*), Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 20.08.2006 SJ
- 793 *Rubus saxatilis* L. – roadside, Kloostrimetsa, Tallinn, N Estonia 59°28'04" N 024°52'21" E 03.08.2006 MR
- 794 *Sorbus aucuparia* L. – roadside, Abruka Island, W Estonia 58°09'51" N 022°30'21" E 15.09.2006 JE
- 795 *Sorbus aucuparia* L. – roadside, Abruka Island, W Estonia 58°09'37" N 022°31'20" E 15.09.2006 JE
- 796 *Sorbus aucuparia* L. ssp. *moravica* (Zeng.) A.Löve – waste land, Kalaranna, Tallinn, N Estonia 59°26'53" N 024°44'46" E 14.09.2006 MR, IU
- 797 *Sorbus aucuparia* L. ssp. *moravica* (Zeng.) A.Löve – pebbly seashore, Heltermaa, Hiiumaa Island, W Estonia 58°51'28" N 023°02'49" E 01.10.2006 MR
- 798 *Sorbus aucuparia* L. ssp. *moravica* (Zeng.) A.Löve – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*) on glint, Uuslinn, Tallinn, N Estonia 59°26'25" N 024°48'20" E 19.09.2006 MR, IU

799 *Sorbus intermedia* (Ehrh.) Pers. – pebbly seashore, Heltermaa, Hiiumaa Island, W Estonia 58°51'04" N 023°03'12" E 01.10 .2006 MR

### **Rubiaceae**

800 *Galium odoratum* (L.) Scop. – fresh boreo-nemoral *Aegopodium* ash (*Fraxinus excelsior*) forest (*Aegopodio-Fraxinetum*), Abruca Island, W Estonia 58°09'28" N 022°30'20" E 15.09.2006 OA

801 *Galium verum* L. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°27'59" N 024°52'57" E 29.08.2006 MR

### **Salicaceae**

802 *Salix acutifolia* Willd. – sandy plain (*Koelerio-Festucetum polesiaca*), Rahumäe, Tallinn, N Estonia 59°23'37" N 024°40'55" E 28.05.2006 OA

803 *Salix repens* L. ssp. *arenaria* (L.) Hiitonen – sandy plain (*Koelerio-Festucetum polesiaca*), Rahumäe, Tallinn, N Estonia 59°23'39" N 024°40'59" E 28.05.2006 OA

### **Scrophulariaceae**

804 *Chaenorhinum minus* (L.) Lang – roadside, Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'59" E 27.07.2006 OA

805 *Melampyrum cristatum* L. – dry cultivated hayland, Abruca Island, W Estonia 58°09'38" N 022°29'57" E 15.09.2006 OA

806 *Rhinanthus angustifolius* C.C.Gmel. ssp. *aestivalis* (N.W.Zinger) Soó – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 09.08.2006 MR

807 *Verbascum nigrum* L. – roadside, Abruca Island, W Estonia 58°09'38" N 022°29'57" E 15.09.2006 OA

808 *Veronica longifolia* L. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Astangu, Tallinn, N Estonia 59°24'11" N 024°37'46" E 18.09.2006 OA

### **Solanaceae**

809 *Hyoscyamus niger* L. – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'01" N 025°19'28" E 08.08 .2006 SJ, KP, MR

810 *Hyoscyamus niger* L. – roadside, Kaberla, Harju county, N Estonia 59°28'06" N 025°16'08" E 21.07.2006 SJ

811 *Solanum dulcamara* L. – waste land, Uuslinn, Tallinn, N Estonia 59°26'07" N 024°47'57" E 19.09.2006 MR, IU

812 *Solanum dulcamara* L. – sandy seashore, Limo, Ruhnu Island, W Estonia 57°48'14" N 023°16'16" E 14.09.2006 OA, MK

### **Tiliaceae**

813 *Tilia cordata* Mill. – fresh boreo-nemoral *Lunaria* ash (*Fraxinus excelsior*) forest (*Lunario-Fraxinetum*), Soorinna, Harju county, N Estonia 59°30'31" N 025°29'09" E 21.11.2006 SJ, OA

### **Ulmaceae**

814 *Ulmus glabra* Huds. – fresh boreo-nemoral *Lunaria* ash (*Fraxinus excelsior*) forest (*Lunario-Fraxinetum*), Ontika, Ida-Viru county, NE Estonia 59°26'35" N 027°19'21" E 13.06.2006 SJ

### **Urticaceae**

815 *Urtica dioica* L. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°53'04" E 06.09.2006 MR

816 *Urtica dioica* L. ssp. *galeopsisifolia* (Wierzb. ex Opiz) Chrtek – roadside, Abruca Island, W Estonia 58°09'49" N 022°30'38" E 15.09.2006 OA, JE

- 817 *Urtica dioica* L. ssp. *galeopsifolia* (Wierzb. ex Opiz) Chrtek – waste land, Sikupilli, Tallinn, N Estonia 59°25'50" N 024°48' 00" E 19.09.2006 MR, IU  
**Valerianaceae**
- 818 *Valeriana officinalis* L. – floodplain *Humulus* alder (*Alnus incana*) forest (*Humulo-Alnetum incanae*), Kloostrimetsa, Tallinn, N Estonia 59°27'56" N 024°52'45" E 26.09.2006 MR
- 819 *Valeriana officinalis* L. – dry boreo-nemoral grassland (*Medicagini-Festucetum rubrae*), Abruca Island, W Estonia 58°09'43" N 022°30'44" ' E 15.09.2006 OA

### **Monocotyledoneae**

#### **Alliaceae**

- 820 *Allium oleraceum* L. – fresh alvar grassland (*Deschampsietum caespitosae*), Jõelähtme, Harju county, N Estonia 59°26'23" N 025°07'38" E 21.07.2006 SJ
- 821 *Allium oleraceum* L. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'49" N 024°53'16" E 26.09.2006 MR, IU
- 822 *Allium oleraceum* L. – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 SJ
- 823 *Allium scorodoprasum* L. – dry boreo-nemoral grassland (*Medicagini-Festucetum rubrae*), Abruca Island, W Estonia 58°09'50" N 022°30'33" E 15.09.2006 OA

#### **Butomaceae**

- 824 *Butomus umbellatus* L. – sandy lakeshore, Pedassaare, Jõgeva county, E Estonia 58°38'43" N 026°50'48" E 29.09.2006 OA

#### **Convallariaceae**

- 825 *Convallaria majalis* L. – dry boreo-nemoral *Hepatica* pine (*Pinus sylvestris*) forest (*Hepatico-Pinetum*), Türisalu, Harju county, NW Estonia 59°24'49" N 024°18'26" E 26.10. 2006 MR
- 826 *Convallaria majalis* L. – dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur-Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'10" N 024°53'04" E 25.09.2006 MR
- 827 *Polygonatum multiflorum* (L.) All. – fresh boreo-nemoral *Aegopodium* ash (*Fraxinus excelsior*) forest (*Aegopodio-Fraxinetum*), Abruca Island, W Estonia 58°09'14" N 022°30'42" ' E 15.09.2006 OA
- 828 *Polygonatum odoratum* (Mill.) Druce – roadside, Sarve, Hiiumaa Island, W Estonia 58°51'20" N 023°02'38" E 30.09.2006 MR
- 829 *Polygonatum odoratum* (Mill.) Druce – fresh boreo-nemoral grassland (*Festuco rubrae-Deschampsietum caespitosae*), Anelema, Pärnu county, SW Estonia 58°37'50" N 024°34'22" E 20.08.2006 SJ

#### **Cyperaceae**

- 830 *Bolboschoenus maritimus* (L.) Palla – seashore, Abruca Island, W Estonia 58°09'42" N 022°29'45" E 15.09.2006 OA



- 831 *Carex arenaria* L. – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA
- 832 *Carex nigra* (L.) Reichard ssp. *nigra* – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 KP, MR
- 833 *Carex pseudocyperus* L. – alder (*Alnus glutinosa*) eutrophic fen, Ruhnu Island, W Estonia 57°48'23" N 023°15'48" E OA
- 834 *Carex sylvatica* Huds. – fresh boreo-nemoral *Aegopodium* ash (*Fraxinus excelsior*) forest (*Aegopodio-Fraxinetum*), Abruca Island, W Estonia 58°09'28" N 022°30'20" E 15.09.2006 OA
- 835 *Carex vesicaria* L. – alder (*Alnus glutinosa*) eutrophic fen, Ruhnu Island, W Estonia 57°48'23" N 023°15'48" E 14.09.2006 OA

#### **Iridaceae**

- 836 *Iris pseudacorus* L. – pond, Uusküla, Harju county, N Estonia 59°28'55" N 025°00'20" E 18.09.2006 SJ

#### **Juncaceae**

- 837 *Juncus articulatus* L. – sandy lakeshore, Pedassaare, Jõgeva county, E Estonia 58°38'43" N 026°50'48" E 29.09.2006 OA
- 838 *Luzula pilosa* (L.) Willd. – dry boreal grassland (*Deschampsietum flexuosae*), Audaku, Saaremaa Island, W Estonia 58°17'48" N 022°06'08" E 13.06.2006 OA, VK, MR

#### **Juncaginaceae**

- 839 *Triglochin palustre* L. – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 MR

#### **Liliaceae**

- 840 *Gagea minima* (L.) Ker Gawl. – dry boreal grassland (*Deschampsietum flexuosae*), Kloostrimetsa, Tallinn, N Estonia 59°28'01" N 024°52'47" E 09.06.2006 MR
- 841 *Lilium martagon* L. – naturalized, fresh boreo-nemoral *Aegopodium* ash (*Fraxinus excelsior*) forest (*Aegopodio-Fraxinetum*), Abruca Island, W Estonia 58°09'14" N 022°30'42" E 15.09.2006 OA

#### **Orchidaceae**

- 842 *Cypripedium calceolus* L. – fresh alvar *Calamagrostis* spruce (*Picea abies*) forest (*Calamagrostio-Piceetum*), Kohila, Rapla county, NW Estonia 59°09'27" N 024°44'27" E 20.09.2006 UL

#### **Poaceae**

- 843 *Arrhenatherum elatius* (L.) P.Beauv. ex J. et C.Presl – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 MR
- 844 *Briza media* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 SJ
- 845 *Bromus inermis* Leyss. – roadside, Lükati, Tallinn, N Estonia 59°27'37" N 024°51'15" E 03.08.2006 MR

- 846 *Bromus inermis* Leyss. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 OA, KP, SJ
- 847 *Bromus inermis* Leyss. – poor paludified grassland (*Geranio palustris-Filipenduletum*), Kloostrimetsa, Tallinn, N Estonia 59°27'51" N 024°53'13" E 09.08.2006 MR, IU
- 848 *Calamagrostis epigeios* (L.) Roth – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA
- 849 *Calamagrostis stricta* (Timm) Koeler – suprasaline coastal meadow (*Deschampsio-Caricetum nigrae*), Rammu Island, Harju county, N Estonia 59°34'24" N 025°13'07" E 08.08.2006 MR
- 850 *Deschampsia caespitosa* (L.) P.Beauv. – dry boreo-nemoral grassland (*Carici montanae-Seslerietum*), Ambla, Järva county, C Estonia 59°11'17" N 025°51'28" E 14.08.2006 OA, SJ, VK
- 851 *Deschampsia flexuosa* (L.) Trin. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA
- 852 *Elymus farctus* (Viv.) Runemark ex Melderis ssp. *boreali atlanticus* (Simonet et Guin.) Melderis – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA
- 853 *Elymus repens* (L.) Gould – white dune (*Honckenyo-Leymetum*), Limo, Ruhnu Island, W Estonia 57°47'54" N 023°16'24" E 14.09.2006 OA
- 854 *Elymus repens* (L.) Gould – dry boreo-nemoral grassland (*Carici montanae-Seslerietum*), Ambla, Järva county, C Estonia 59°11'17" N 025°51'28" E 14.08.2006 OA, SJ, VK
- 855 *Festuca arundinacea* Schreb. – abandoned field, Kohila, Rapla county, NW Estonia 59°09'23" N 024°44'43" E 20.09.2006 UL
- 856 *Festuca gigantea* (L.) Vill. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Kohila, Rapla county, NW Estonia 59°09'42" N 024°44'56" E 20.09.2006 UL
- 857 *Koeleria glauca* (Schrad.) DC. – gray dune (*Koelerio-Festucetum polesiacaе*), Limo, Ruhnu Island, W Estonia 57°47'57" N 023°16'16" E 14.09.2006 OA
- 858 *Melica nutans* L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'14" N 024°52'42" E 11.07.2006 MR
- 859 *Melica nutans* L. – dry boreo-nemoral *Hepatica* spruce (*Picea abies*) forest (*Hepatico-Piceetum*), Ambla, Järva county, C Estonia 59°11'16" N 025°51'29" E 14.08.2006 OA, SJ, VK
- 860 *Melica nutans* L. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Kohila, Rapla county, NW Estonia 59°09'45" N 024°44'34" E 23.06.2006 UL
- 861 *Phalaris arundinacea* L. – pebbly seashore, Lõuna-Malusi Island, Harju county, N Estonia 59°36'01" N 025°09'28" E 08.08.2006 MR

862 *Phleum phleoides* (L.) H.Karst. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*), Tännassilma, Harju county, N Estonia 59°20'23" N 024°38'58" E 27.07.2006 OA

**Scheuchzeriaceae**

863 *Scheuchzeria palustris* L. – mixotrophic quagmire (*Cariceto limosae-Menyanthetum*), Sõbessoo Lake, Jalase, Rapla county, NW Estonia 58°59'11" N 024°36'40" E 11.08.2006 SJ

**Trilliaceae**

864 *Paris quadrifolia* L. – dry boreal *Vaccinium vitis-idaea* oak-pine (*Quercus robur-Pinus sylvestris*) forest (*Vaccinio vitis-idaeo-Quercu-Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59°28'10" N 024°52'57" E 25.08.2006 MR

**Typhaceae**

865 *Typha angustifolia* L. – pool, Vintri, Sõrve Peninsula, Saaremaa Island, W Estonia 58°02'32" N 022°11'24" E 05.10.2006 JE

866 *Typha latifolia* L. – pool, Tallinn, Nõmme, N Estonia 59°22'11" N 024°41'52" E 05.10.2006 OA

867 *Typha latifolia* L. – pond, Ruhnu Island, W Estonia 57°48'08" N 023°14'49" E 14.09.2006 OA

*Seminum collectores*: A. Kaur (AK), A. Vammus (AV), I. Uuk (IU), J. Elliku (JE), K. Pungas (KP), M. Kingisepp (MK), M. Raidma (MR), O. Abner (OA), R. Agurauja (RA), S. Janson (SJ), U. Laansoo (UL), V. Kuusmann (VK)

**III Semina plantarum in diversis regionibus Estoniae cultarum**

**ANGIOSPERMAE**

**Dicotyledoneae**

**Rosaceae**

868 *Rosa rugosa* Thunb. – roadside, Kersalu, Harju county, NW Estonia 59°20'37" N 024°11'28" E 26.10.2006 MR

869 *Sorbus intermedia* (Ehrh.) Pers. – streetside, Lasnamäe, Tallinn, N Estonia 59°27'01" N 024°43'17" E 19.09.2006 MR, IU

**Ulmaceae**

870 *Ulmus laevis* Pall. – Hirvepark (Deerpark), Tallinn, N Estonia, 59°26'01" N 024°44'14" E 27.06.2006 OA

*Seminum collectores*: I. Uuk (IU), M. Raidma (MR), O. Abner (OA)

M. Kingisepp  
Horti Director

O. Abner  
Custos

## EMHI Weather Records 2006 Tallinn - Harku

The highest air temperature: 32,1°C (July 8)  
 The lowest air temperature: -26,9°C (January 20)  
 Annual rainfall total: 478 mm

### Average Monthly Temperature and Rainfall

Month	Ground (°C)	Air Average (°C)	Air Min (°C)	Air Max (°C)	Rainfall (mm)
Jan	-5	-3,7	-26,9	4,5	10
Feb	-7	-7,3	-20,9	2,4	36
Mar	-7	-4,9	-19,5	7,9	46
Apr	5	5,0	-2,6	19,6	28
May	15	10,1	-0,6	22,5	23
Jun	23	15,9	6,8	29,6	21
Jul	27	19,0	8,4	32,1	28
Aug	20	17,7	9,2	27,6	45
Sep	15	14,3	1,6	22,9	41
Oct	8	8,7	-4,4	17,4	108
Nov	2	3,2	-9,9	10,0	33
Dec	3	4,4	-6,4	10,7	59

