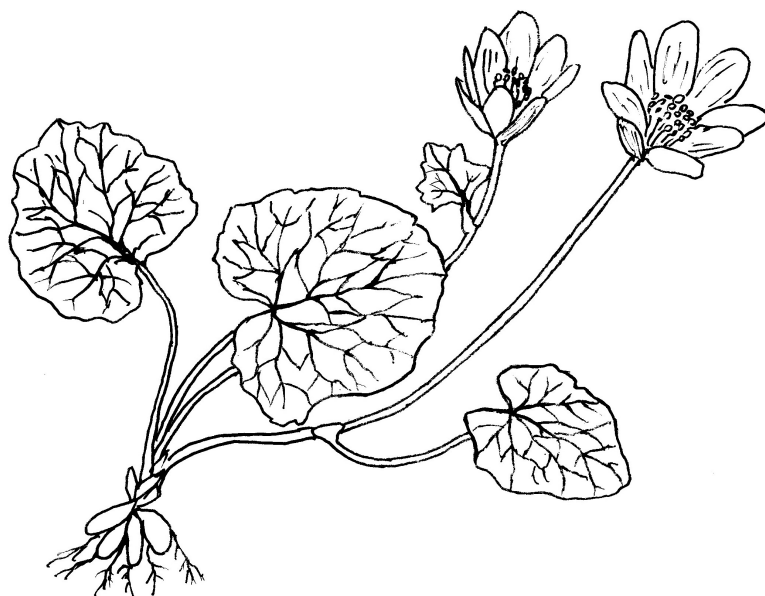


INDEX SEMINUM

Ficaria verna Huds.



TALLINN 2025

TALLINNA BOTAANIKAAED



INDEX SEMINUM

anno 2024 collectorum

quae

HORTUS BOTANICUS TALLINNENSIS

pro mutua commutatione offert

Tallinn 2025

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

Aspleniaceae

- + 1 *Cystopteris sandwicensis* Brack. (Kauai, 2012)
- + 2 *Stenochlaena tenuifolia* (Desv.) T.Moore

Polypodiaceae

- + 3 *Microsorium thailandicum* Boonkerd & Noot. (Tartu, 2021)

Pteridaceae

- + 4 *Hemionitis arifolia* (Burm.f.) T.Moore (Cluj-Napoca, 2019)
- + 5 *Hemionitis palmata* L. (Cluj-Napoca, 2019)

SPERMATOPHYTA

GYMNOSPERMAE

Cupressaceae

- + 6 *Cupressus sempervirens* L.
- + 7 *Hesperocyparis arizonica* (Greene) Bartel (Firenze, 1987)
- 8 *Juniperus chinensis* L. (Beijing, 1988)

Pinaceae

- A 9 *Tsuga heterophylla* (Raf.) Sarg. (Mustila, 1995)

ANGIOSPERMAE

Dicotyledoneae

Acanthaceae

- + 10 *Crossandra nilotica* Oliv.
- + 11 *Ruellia simplex* C.Wright
- + 12 *Schaueria calytricha* (Otto ex Hook.) Orb. (Uppsala, 2019)

+ = Seeds collected in the Greenhouses / Samen aus den Gewächshäusern

* = 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, 58.29806, 22.10250) / Samen von kultivierte Pflanzen von wissenschaftlicher Beobachtungsstelle Audaku (Insel Ösel, 58.29806, 22.10250)

Aceraceae

- A 13 *Acer argutum* Maxim. (Rogów, 2002)
 14 *Acer barbinerve* Maxim.
 15 *Acer campestre* L.
- A 16 *Acer caudatum* Wall. ex Rehder **subsp. ukurunduense** (Trautv. & C.A.Mey.) E.Murray (Rogów, 2002)
 17 *Acer caudatum* Wall. ex Rehder **subsp. ukurunduense** (Trautv. & C.A.Mey.) E.Murray
- * 18 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, Okeanskaya, 1961)
 * 19 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, Lazo, 1977)
- A* 20 *Acer mandshuricum* Maxim. (*Rossia extremiorientalis*, Lazo, 1977)
- A 21 *Acer monspessulanum* L. **subsp. turcomanicum** (Pojark.) E.Murray (Ashgabat, 1957)
 22 *Acer negundo* L. (Estonia, Tallinn, 1959)
 * 23 *Acer negundo* L. **var. interius** (Britton) Sarg. (Edmonton, 1967)
 * 24 *Acer pensylvanicum* L. (Ottawa, 1965)
 25 *Acer pseudoplatanus* L. (Estonia, Tallinn, 1959)
 26 *Acer pseudoplatanus* L. **f. erythrocarpum** (Carriere) Pax (Kaliningrad, 1965)
 27 *Acer pseudoplatanus* L. **f. purpureum** (Loudon) Rehder (Estonia, Järvelja, 1958)
 * 28 *Acer pseudosieboldianum* (Pax) Kom. (*Rossia extremiorientalis*, Okeanskaya, 1961)
 * 29 *Acer pseudosieboldianum* (Pax) Kom. (*Rossia extremiorientalis*, Lazo, 1977)
 30 *Acer tataricum* L. (Estonia, Tihemetsa, 1959)
 31 *Acer tataricum* L. **subsp. aidzuense** (Franch.) P.C.De Jong (Tsukuba, 2003)
 * 32 *Acer tataricum* L. **subsp. ginnala** (Maxim.) Wesm. (*Rossia extremiorientalis*, Okeanskaya, 1961)

Actinidiaceae

- 33 *Actinidia kolomikta* (Rupr. & Maxim.) Maxim.

Anacardiaceae

- 34 *Cotinus coggygria* Scop.
 35 *Rhus radicans* L. **var. rydbergii** (Small) Rehder
 36 *Rhus typhina* L. (Estonia, Kuressaare, 1977)

Annonaceae

- + 37 *Artabotrys hexapetalus* (L.f.) Bhandari (Lund, 1999)

Apiaceae

- * 38 *Eryngium alpinum* L. (Klagenfurt, 2014) IPEN nr: AT-1-KL-2013/2656
 39 *Prangos trifida* (Mill.) Herrnst. & Heyn (Tartu, 2002)

Apocynaceae

- + 40 *Alyxia ruscifolia* R.Br. (Düsseldorf, 1991)

Aquifoliaceae

- 41 *Ilex laevigata* (Pursh) A.Gray (Holland, 1993)
 42 *Ilex laevigata* (Pursh) A.Gray (Salzburg, 1987)
 * 43 *Ilex verticillata* (L.) A.Gray (Mentor, 1994)

Araliaceae

- A*** 44 *Aralia elata* (Miq.) Seem. (*Rossia extremiorientalis*, Shamora, 1983)
 45 *Eleutherococcus divaricatus* (Siebold & Zucc.) S.Y.Hu var. *chiisanensis*
 (Rogów, 2004)
A* 46 *Eleutherococcus sessiliflorus* (Rupr. & Maxim.) S.Y.Hu
 (*Rossia extremiorientalis*, Artem, 1961)
 * 47 *Eleutherococcus sessiliflorus* (Rupr. & Maxim.) S.Y.Hu
 (*Rossia extremiorientalis*, Artem, 1961)
 48 *Eleutherococcus sieboldianus* (Makino.) Koidz (Kiel, 1997)
 + 49 *Fatsia japonica* (Thunb.) Decne. & Planch.
 * 50 *Oplopanax elatus* (Nakai) Nakai (*Rossia extremiorientalis*, Mt. Khualaza, 1961)
 * 51 *Oplopanax horridus* (Sm.) Miq. (Seattle, 1978)

Asteraceae

- 52 *Aster alpinus* L. cv. **Albus** (Linz, 1997)
 * 53 *Centaurea ruthenica* Lam. (Samara, 2017)
 * 54 *Echinops ritro* L. subsp. *ruthenicus* (M.Bieb) Nyman (Ljubljana, 2019)
 IPEN nr: SL-0-LJU-N-018-812
 * 55 *Helianthus divaricatus* L. (Northampton, 2018)
 * 56 *Leibnitzia anandria* (L.) Nakai (Toyama, 2018)
 * 57 *Tanacetum kittaryanum* (C.A.Mey.) Tzvelev subsp. *uralense* (Krasch.) Tzvelev
 (Ufa, 2018)

Begoniaceae

- + 58 *Begonia carolineifolia* Regel (Northampton, 1995)
 + 59 *Begonia convolvulacea* (Klotzsch) A.DC.
 + 60 *Begonia dichroa* Sprague (Tübingen, 2015)
 + 61 *Begonia wallichiana* Lehm. (Wien, 2023)
 + 62 *Begonia venosa* Skan ex Hook.f. (Lyon, 1999)

Berberidaceae

- 63 *Berberis aggregata* C.K.Schneid. (Stockholm, 1957)
A* 64 *Berberis amurensis* Rupr. var. *japonica* (Regel) Rehder (Tsukuba, 1999)
A 65 *Berberis koreana* Palib. (Hørsholm, 1991)
 66 *Berberis parvifolia* Sprague (Berlin-Dahlem, 1957)
 67 *Berberis thunbergii* DC. cv. **Erecta** (Ottawa, 1960)
A 68 *Berberis wilsoniae* Hemsl. & E.H.Wilson (Estonia, Põhjatamme, 2008)

Betulaceae

- * 69 *Alnus crispa* (Aiton) Pursh (Vancouver, 1981)
- A* 70 *Alnus crispa* (Aiton) Pursh **var. mollis** (Fernald) Fernald (Montréal, 1957)
- 71 *Alnus crispa* (Aiton) Pursh **var. mollis** (Fernald) Fernald (Rogów, 2002)
- * 72 *Alnus fruticosa* Rupr. (*Paeninsula Camtschatca, Dolina Geiserov*, 1978)
- * 73 *Alnus incana* (L.) Moench (*Estonia, Tallinn*, 1975)
- 74 *Alnus incana* (L.) Moench **cv. Pendula** (Estonia, Neemi, 1965)
- 75 *Alnus incana* (L.) Moench **subsp. rugosa** (Du Roi) Clausen (Ottawa, 1965)
- * 76 *Alnus incana* (L.) Moench **subsp. rugosa** (Du Roi) Clausen (Washington, 1978)
- 77 *Alnus japonica* (Thunb.) Steud. (Nayoro, 1973)
- 78 *Alnus japonica* (Thunb.) Steud.
- 79 *Alnus* × *pubescens* Tausch (Tallinn, Kloostrimetsa, 1975)
- A 80 *Alnus serrulata* (Aiton) Willd. (Eberswalde, 2005)
- * 81 *Alnus sinuata* (Regel) Rydb. (Vancouver, 1977)
- 82 *Alnus viridis* (Chaix) DC. (Rogów, 1973)
- 83 *Betula apoiensis* Nakai (Store Milde, 1998)
- 84 *Betula* × *aurata* Borkh.
- * 85 *Betula fruticosa* Pall. (*Rossia extremiorientalis, Olga*, 1977)
- 86 *Betula humilis* Schrank
- 87 *Betula lenta* L. (Rogów, 1975)
- * 88 *Betula nana* L. (*Estonia, Patika*, 2013)
- 89 *Betula papyrifera* Marshall (Estonia, Järvselja, 1958)
- * 90 *Betula pendula* Roth **var. carelica** (Mercklin) Hämet-Ahti (*Finlandia*, 1959)
- 91 *Betula pendula* Roth **var. oycoviensis** (Besser) Dippel (Lublin, 1974)
- 92 *Betula pendula* Roth **var. oycoviensis** (Besser) Dippel (St. Petersburg, 1957)
- * 93 *Betula platyphylla* Sukaczew **var. japonica** (Miq.) Hara (*Insula Sachalin, Novoalexandrovsk*, 1961)
- 94 *Betula populifolia* Marshall
- 95 *Betula pubescens* Ehrh. **cv. Fruticosa** (Estonia, Saku, 2003)
- * 96 *Betula pumila* L. **var. glandulifera** Regel (Montréal, 1991)
- 97 *Betula raddeana* Trautv. (St. Petersburg, 1965)
- 98 *Betula tatewakiana* M. Ohki & Watan. (Bayreuth, 2004)
- 99 *Betula utilis* D. Don **var. albosinensis** (Burkill) Ashburner & McAll. (Berlin-Dahlem, 1974)
- A 100 *Betula utilis* D. Don **var. albosinensis** (Burkill) Ashburner & McAll. (Berlin-Dahlem, 1974)
- 101 *Carpinus betulus* L. **cv. Incisa** (København, 1965)
- A* 102 *Carpinus caroliniana* Walter (Ottawa, 1967)
- 103 *Carpinus orientalis* Mill.
- A* 104 *Ostrya carpinifolia* Scop. (Salzburg, 1988)

Bignoniaceae

- 105 *Incarvillea olgae* Regel (München, 2017) IPEN nr: TJ-0-M-2003/0212

Bixaceae

- + 106 *Bixa orellana* L. (Tartu, 2011)

Boraginaceae

- 107 *Lithospermum purpureocaeruleum* L. (București, 1976)

Brassicaceae

- * 108 *Aubrieta gracilis* Spruner ex Boiss. (Göteborg, 2002)

Buxaceae

- + 109 *Sarcococca confusa* Sealy (Kyiv, 1976)

Cactaceae

- + 110 *Cleistocactus smaragdiflorus* (F.A.C.Weber) Britton & Rose
 + 111 *Cleistocactus strausii* (Heese) Backeb.
 + 112 *Selenicereus atropilosus* Kimnach (Göteborg, 1991)

Calycanthaceae

- 113 *Calycanthus fertilis* Walter **var. laevigatus** (Willd.) Bean
 (Nogent-sur-Vernisson, 1964)

Campanulaceae

- 114 *Platycodon grandiflorus* (Jacq.) A.DC. (Debrecen, 1983)

Caprifoliaceae

- 115 *Diervilla rivularis* Gatt. (Dushanbe, 1957)
 116 *Diervilla sessilifolia* Buckland (Leiden, 1957)
A 117 *Kolkwitzia amabilis* Graebn.
 118 *Kolkwitzia amabilis* Graebn.
 119 *Lonicera × bella* Zabel **cv. Candida** (Vilnius, 2012)
 * 120 *Lonicera caerulea* L. (Chambésy, 1979)
 121 *Lonicera caucasica* Pall.
A* 122 *Lonicera chrysantha* Turcz. **var. crassipes** Nakai (Hørsholm, 1991)
 123 *Lonicera ferdinandi* Franch. (Berlin-Dahlem, 1979)
 124 *Lonicera × heckrottii* Rehder (Estonia, Ellamaa, 2009)
 125 *Lonicera iberica* M.Bieb. (Tbilisi, 1964)
 126 *Lonicera involucrata* (Richardson) Banks ex Spreng. (Berlin-Dahlem, 1978)
 127 *Lonicera maackii* (Rupr.) Maxim. (Khabarovsk, 1967)
 * 128 *Lonicera maximowiczii* (Rupr.) Maxim. (*Rossia extremiorientalis*, Ternei, 1979)
 129 *Lonicera morrowii* A.Gray (Syktyvkar, 2016)
A 130 *Lonicera nigra* L. (Amsterdam, 2003)
 131 *Lonicera prolifera* (G.Kirchn.) Rehder
 * 132 *Lonicera ruprechtiana* Regel (*Rossia extremiorientalis*, Ternei, 1979)
 133 *Lonicera syringantha* Maxim. (Genève, 1960)
 134 *Lonicera tatarica* L. (Barnaul, 1977)
A 135 *Lonicera tatarica* L. (Minsk, 1959)

- 136 *Lonicera tatarica* L. **cv. Alba** (Northampton, 1963)
 137 *Lonicera webbiana* Wall. ex DC. (Kyiv, 2005)
 138 *Lonicera vesicaria* Kom. (Minsk, 1997)
A 139 *Lonicera vesicaria* Kom. (Vilnius, 2002)
 140 *Sambucus canadensis* L. **cv. Aurea**
 * 141 *Sambucus williamsii* Hance (*Rossia extremiorientalis*, *Talmi*, 1961)
A 142 *Symphoricarpos occidentalis* Hook. (Ottawa, 1968)
 143 *Symphoricarpos orbiculatus* Moench
 * 144 *Viburnum burejaeticum* Regel & Herder (*Rossia extremiorientalis*,
Khingan, 1975)
 * 145 *Viburnum cassinoides* L. (Toronto, 1993)
 * 146 *Viburnum dentatum* L. **var. deamii** (Rehder) Fernald (Philadelphia, 1993)
 147 *Viburnum lantana* L.
 148 *Viburnum lantana* L. **cv. Variegatum** (Estonia, Järvelja, 1958)
 149 *Viburnum lentago* L. (Estonia, Luua, 1957)
 150 *Viburnum mongolicum* (Pall.) Rehder (Girionys, 2009)
 151 *Viburnum opulus* L. (Tallinn, 1965)
 152 *Viburnum sargentii* Koehne
 153 *Viburnum sargentii* Koehne **f. calvescens** (Rehder) Rehder (Kyiv, 1957)
 154 *Viburnum trilobum* Marshall
 * 155 *Viburnum trilobum* Marshall (East Lansing, 2008)
A* 156 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, *Etorofu*, 1961)
 * 157 *Viburnum wrightii* Miq. (*Insulae Kurilenses*, *Etorofu*, 1961)

Caryophyllaceae

- * 158 *Dianthus nardiformis* Janka (Bucuresti, 2020)
 159 *Saponaria caespitosa* DC. (Innsbruck, 1993)

Celastraceae

- 160 *Celastrus orbiculatus* Thunb. (Estonia, Tallinn, 1960)
 * 161 *Celastrus scandens* L. (Ottawa, 1965)
A 162 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1998)
 163 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1998)
 164 *Euonymus alatus* (Thunb.) Siebold (Kyoto, 1985)
 165 *Euonymus bungeanus* Maxim. (Beijing, 1957)
 166 *Euonymus hamiltonianus* Wall. **var. hamiltonianus** (Nantes, 1997)
 167 *Euonymus hamiltonianus* Wall. **subsp. maackii** (Rupr.) Kom.
 (Vladivostok, 1961)
 * 168 *Euonymus hamiltonianus* Wall. **subsp. sieboldianus** (Blume) Hara
 (*Insula Sachalin*, *Mt. Chekhov*, 1961)
 169 *Euonymus latifolius* (L.) Mill. (Estonia, Tallinn, 1989)
 170 *Euonymus macropterus* Rupr.
A* 171 *Euonymus macropterus* Rupr. (*Rossia extremiorientalis*, *Mt. Khualaza*, 1961)
 172 *Euonymus nanus* M.Bieb. (Estonia, Tallinn, 1958)

- * 173 *Euonymus obovatus* Nutt. (East Lansing, 1999)
- A 174 *Euonymus oxyphyllus* Miq. (Kyoto, 1988)
- * 175 *Euonymus pauciflorus* Maxim. (*Rossia extremiorientalis*, 1975)
- 176 *Euonymus phellomanus* Loes. (Eberswalde, 1997)
- * 177 *Euonymus planipes* (Koehne) Koehne (*Rossia extremiorientalis*, *Shamora*, 1961)
- 178 *Euonymus sanguineus* Loes. ex Diels (Stuttgart-Hohenheim, 2014)
- 179 *Tripterygium regelii* Sprague & Takeda

Cercidiphyllaceae

- 180 *Cercidiphyllum japonicum* Siebold & Zucc. **var. *magnificum*** Nakai

Clusiaceae

- 181 *Hypericum androsaemum* L. (Stuttgart-Hohenheim, 2017)
- * 182 *Hypericum kalmianum* L. (München, 2014)
- 183 *Hypericum olympicum* L. (Leipzig, 2017)

Cornaceae

- 184 *Cornus alba* L. **cv. Aurea** (Estonia, Tallinn, 2010)
- * 185 *Cornus alternifolia* L.f. (Niagara Falls, 2008)
- * 186 *Cornus amomum* Mill. (East Lansing, 2003)
- A 187 *Cornus amomum* Mill. (Rogów, 2004)
- * 188 *Cornus asperifolia* Michx. **var. *drummondii*** (C.A.Mey.) Coult. & W.H.Evans (Lisle, 1997)
- 189 *Cornus mas* L.
- * 190 *Cornus obliqua* Raf. (Montréal, 1966)
- 191 *Cornus racemosa* Lam.
- A* 192 *Cornus sericea* L. (Niagara Falls, 2011)

Crassulaceae

- + 193 *Kalanchoe daigremontiana* Raym.-Hamet & H.Perrier
- + 194 *Kalanchoe rotundifolia* Haw. (Basel, 1994)
- * 195 *Sempervivum arachnoideum* L. (L'Aquila, 2012)

Cucurbitaceae

- 196 *Cucurbita maxima* Duchesne ex Lam. **cv. Candy Roaster**
- 197 *Cucurbita maxima* Duchesne ex Lam. **cv. Galeux d'Eysines**

Dipsacaceae

- * 198 *Cephalaria gigantea* (Ledeb.) Bobrov (Moscow, 2019)
IPEN nr: RU-0-MW-2017-359

Elaeagnaceae

- 199 *Elaeagnus commutata* Bernh. ex Rydb. (Estonia, Järvselja, 1960)
- * 200 *Hippophae rhamnoides* L. (Wrocław, 1997)
- 201 *Shepherdia canadensis* (L.) Nutt.

Ericaceae

- + 202 *Arbutus unedo* L. (Lisboa, 2010)
- 203 *Enkianthus campanulatus* (Miq.) G.Nicholson (Edinburgh, 1962)
- * 204 *Ledum palustre* L. **var. dilatatum** Wahlenb. (*Rossia extremorientalis*, Sovetskaya Gavan', 1967)
- 205 *Leucothoe fontanesiana* (Steud.) Sleumer
- * 206 *Leucothoe grayana* Maxim. (*Insulae Kurilenses*, *Kunashiri*, 1981)
- 207 *Menziesia pilosa* (Michx.) Juss.
- 208 *Rhododendron brachycarpum* D.Don ex G.Don (Edinburgh, 1958)
- 209 *Rhododendron campanulatum* D.Don (Edinburgh, 1960)
- 210 *Rhododendron catawbiense* Michx. (Chemnitz, 2002)
- * 211 *Rhododendron catawbiense* Michx. **f. insularis** Coker (Atlanta, 1993)
- 212 *Rhododendron ferrugineum* L. (Edinburgh, 1958)
- 213 *Rhododendron insigne* Hemsl. & E.H.Wilson × *Rhododendron* sp. (Edinburgh, 1958)
- 214 *Rhododendron luteum* Sweet
- * 215 *Rhododendron macrophyllum* D.Don ex G.Don (Vancouver, 1962)
- 216 *Rhododendron minus* Michx. **cv. Carolinianum Album** (Edinburgh, 1958)
- 217 *Rhododendron minus* Michx. **subsp. minus** (Hørsholm, 1991)
- 218 *Rhododendron myrtifolium* Schott & Kotschy (Cluj, 1966)
- * 219 *Rhododendron schlippenbachii* Maxim. (*Rossia extremorientalis*, *Talmi*, 1961)
- 220 *Rhododendron vaseyi* A.Gray (Edinburgh, 1958)
- 221 *Vaccinium arctostaphylos* L. (Paris, 1966)
- 222 *Vaccinium corymbosum* L.
- * 223 *Vaccinium vitis-idaea* L. (*Estonia*, *Ohepalu*, 1993)

Euphorbiaceae

- 224 *Securinega suffruticosa* (Pall.) Rehder

Fabaceae

- * 225 *Caragana arborescens* Lam. (*Sibiria australis*, *Altai*, *Kyrsai*, 1986)
- A 226 *Caragana arborescens* Lam.
- 227 *Caragana frutex* (L.) K.Koch (Kyiv, 1957)
- * 228 *Chamaecytisus hirsutus* (L.) Link (Wien, 2018)
- A 229 *Chamaecytisus purpureus* (Scop.) Link (München, 1961)
- A 230 *Chamaecytisus supinus* (L.) Link (Tartu, 1957)
- * 231 *Chamaespartium sagittale* (L.) P.E.Gibbs (Paris, 2015)
- 232 *Cicer arietinum* L.
- 233 *Colutea arborescens* L.
- A 234 *Colutea* × *media* Willd. (Bayreuth, 2006)
- 235 *Colutea* × *media* Willd. (Salaspils, 1964)
- 236 *Cytisophyllum sessilifolium* O.Lang (Ulm, 2017)
- * 237 *Cytisus decumbens* (Durande) Spach (Besançon, 1997)
- 238 *Cytisus* × *praecox* Bean (Estonia, Tallinn, 2019)

- 239 *Cytisus purgans* (L.) Spach (Estonia, Tallinn, 2019)
A* 240 *Cytisus scoparius* (L.) Link (Lublin, 2007)
 * 241 *Cytisus scoparius* (L.) Link **subsp. scoparius** (Villers-lès-Nancy, 2018)
 242 *Genista germanica* L. (Antwerpen, 2018)
 243 *Glycine max* (L.) Merr. **cv. Laulema**
 244 *Laburnum alpinum* (Mill.) Bercht. & J.Presl
 245 *Laburnum anagyroides* Medik.
 * 246 *Lathyrus miniatus* M.Bieb. ex Steven (Pyatigorsk, 2019)
 * 247 *Maackia amurensis* Rupr. & Maxim. (*Rossia extremiorientalis*, 1961)
 248 *Pisum sativum* L. **cv. Retrija**

Fagaceae

- A** 249 *Castanea dentata* (Marshall) Borkh. (Tharandt, 2002)

Gentianaceae

- 250 *Gentiana lutea* L. (Bergen, 1963)

Gesneriaceae

- + 251 *Rhytidophyllum tomentosum* (L.) Mart. (Halle, 2003)

Grossulariaceae

- 252 *Ribes americanum* Mill.
 253 *Ribes cynosbati* L. (Nizhni Novgorod, 1958)
 254 *Ribes divaricatum* Douglas (Vilnius, 1991)
 255 *Ribes komarovii* Pojark. (Bayreuth, 1997)
 * 256 *Ribes mandshuricum* (Maxim.) Kom. (*Rossia extremiorientalis*,
 Okeanskaya, 1981)
 257 *Ribes nigrum* L. **var. sibiricum** E.Wolf **f. fuscocarpum** hort. (Krasnoyarsk, 1996)
 258 *Ribes niveum* Lindl. (Vilnius, 2003)
 259 *Ribes petraeum* Wulfen

Hamamelidaceae

- 260 *Hamamelis japonica* Siebold & Zucc.
 261 *Hamamelis japonica* Siebold & Zucc. **var. flavo-purpurascens** (Mak.) Rehder
 (Berlin-Dahlem, 1962)
 262 *Hamamelis japonica* Siebold & Zucc. **cv. Zuccariniana** (Berlin-Dahlem, 1959)
A 263 *Hamamelis japonica* Siebold & Zucc. **cv. Zuccariniana** (Berlin-Dahlem, 1959)
 264 *Hamamelis mollis* Oliv. (Berlin-Dahlem, 1977)

Hydrangeaceae

- 265 *Deutzia scabra* Thunb. (Osaka, 1970)
 266 *Deutzia scabra* Thunb. **cv. Plena** (Estonia, Tallinn, 1960)
 267 *Hydrangea heteromalla* D.Don
 * 268 *Hydrangea paniculata* Siebold (*Rossia extremiorientalis*, 1961)
 269 *Hydrangea paniculata* Siebold **cv. Praecox** (Estonia, Tallinn, 1970)

Juglandaceae

- 270 *Pterocarya stenoptera* C.DC. (Beijing, 1957)
A 271 *Pterocarya stenoptera* C.DC. (Beijing, 1980)

Lamiaceae

- 272 *Cedronella canariensis* (L.) Webb & Berthel. (Kiel, 2023)
 + 273 *Clerodendrum speciosissimum* Van Geert ex Morren (Dresden, 1997)
 274 *Nepeta sibirica* L. (Graz, 1984)
 275 *Physostegia virginiana* (L.) Benth. **cv. Summer Snow** (Manchester, 1978)
 * 276 *Physostegia virginiana* (L.) Benth. **subsp. virginiana** (Montreal, 2018)
 277 *Sideritis glacialis* Boiss. (Erlangen, 2018) IPEN nr: XX-0-ER-2009-6765

Magnoliaceae

- A** 278 *Magnolia sieboldii* K.Koch **cv. Pride of Norway** (Estonia, Viimsi, 2008)

Malvaceae

- + 279 *Pachira insignis* (Sw.) Savigny (Tübingen, 1972)

Moraceae

- + 280 *Dorstenia contrajerva* L. (Strassbourg, 1961)
 + 281 *Dorstenia elata* Gardner (Düsseldorf, 1994)
A 282 *Morus alba* L. (Samara, 1957)
 283 *Morus alba* L.
 284 *Morus alba* L. **cv. Macrophylla** (Macea, 2014)
A 285 *Morus alba* L. **var. tatarica** (L.) Loudon (Meszczerskoje, 2002)
A 286 *Morus australis* Poir. (Cluj, 1965)
 287 *Morus australis* Poir. (Cluj, 1965)
 * 288 *Morus rubra* L. (Lisle, 1991)

Myricaceae

- 289 *Myrica pensylvanica* Lam.

Myrsinaceae

- + 290 *Ardisia japonica* (Thunb.) Blume (Batumi, 1984)

Myrtaceae

- +* 291 *Eugenia uniflora* L. (*Insula Mauritiana*, 2007)
 + 292 *Melaleuca citrina* (Curtis) Dum. Cours. (St.Petersburg, 1992)
 + 293 *Melaleuca flammea* Craven (Arcadia, 1979)
 + 294 *Melaleuca linearis* Schard. & J.C.Wendl. (Oxford, 2002)
 + 295 *Melaleuca paludicola* Craven (Potsdam, 2010)
 + 296 *Melaleuca subulata* (Cheel) Craven (Ness, 2010)
 + 297 *Psidium cattleyanum* Sabine (Stockholm, 1964)

Oleaceae

- 298 *Forsythia ovata* Nakai (St. Petersburg, 1958)
 299 *Fraxinus chinensis* Roxb. (Beijing, 1985)
 * 300 *Fraxinus chinensis* Roxb. **var. rhynchophylla** (Hance) Hemsl.
 (*Rossia extremiorientalis*, *Shamora*, 1961)
 A* 301 *Fraxinus chinensis* Roxb. **var. rhynchophylla** (Hance) Hemsl.
 (*Rossia extremiorientalis*, *Shamora*, 1961)
 302 *Ligustrum ibota* Siebold & Zucc. (København, 1991)
 303 *Ligustrum obtusifolium* Siebold & Zucc. (Poznań, 1999)
 304 *Ligustrum sinensis* Lour. (Poznań, 2009)
 * 305 *Ligustrum tschonoskii* Decne. (*Insula Sachalin*, *Mt. Chekhov*, 1961)
 306 *Ligustrum tschonoskii* Decne. **var. glabrescens** Koidz. (Hørsholm, 1991)
 A 307 *Ligustrum tschonoskii* Decne. **var. glabrescens** Koidz. (Hørsholm, 1991)
 308 *Ligustrum vulgare* L. **cv. Aureovariegatum** (Salaspils, 1964)
 309 *Ligustrum vulgare* L. **cv. Chlorocarpum** (Estonia, Kuressaare, 1991)
 310 *Syringa komarowii* C.K.Schneid. (Estonia, Tallinn, 1969)
 311 *Syringa reticulata* (Blume) H.Hara
 * 312 *Syringa reticulata* (Blume) H.Hara **subsp. amurensis** (Rupr.)
 P.S.Green & M.C.Chang (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
 313 *Syringa tomentella* Bureau & Franch (Edinburgh, 1958)
 314 *Syringa villosa* Vahl (Beijing, 1977)
 A 315 *Syringa villosa* Vahl (Moscow, 1961)

Onagraceae

- + 316 *Fuchsia procumbens* R.Cunn. (Tallinn ZOO, 2009)
 317 *Oenothera macrocarpa* Nutt. (Bielefeld, 2011)

Paeoniaceae

- * 318 *Paeonia mascula* (L.) Mill. **subsp. mascula** (Pyatigorsk, 2014)
 * 319 *Paeonia officinalis* L. **subsp. italica** N.G.Passal. & Bernardo
 (S.Eufemia a Majella, 2017)
 320 *Paeonia suffruticosa* Andrews (China, 1957)
 * 321 *Paeonia tenuifolia* L. (Pyatigorsk, 2013)

Passifloraceae

- + 322 *Turnera ulmifolia* L.

Petiveriaceae

- + 323 *Rivina humilis* L. (Tartu, 1959)

Phyllanthaceae

- + 324 *Phyllanthus grandifolius* L.

Piperaceae

- + 325 *Piper auritum* Kunth (Villers-lès-Nancy, 1991)
- + 326 *Piper unguiculatum* Ruiz & Pav.

Plantaginaceae

- + 327 *Tetranema roseum* (M.Martens & Galeotti) Standl. & Steyerm.

Portulacaceae

- 328 *Lewisia pygmaea* (A.Gray) B.L.Rob. (Dresden, 1999)

Primulaceae

- 329 *Androsace lactea* L. (Reykjavik, 2012) IPEN nr: IT-0-REYK-2011/013
- * 330 *Primula auricula* L. (AGS, 2003)

Proteaceae

- + 331 *Hakea trineura* F.Muell. (Canberra, 2003)
- + 332 *Stenocarpus salignus* R.Br. (South-Yarra, 1980)

Ranunculaceae

- A 333 *Clematis alpina* (L.) Mill. (Marburg, 1993)
- 334 *Clematis mandshurica* Rupr. (Perm, 2014)
- * 335 *Clematis stans* Siebold & Zucc. (Toyama, 2011)
- 336 *Pulsatilla albana* (Steven) Bercht. & J.Presl (Potsdam, 1998)
- * 337 *Trollius hondoensis* Nakai (AGS, 2013)
- 338 *Trollius laxus* Salisb. (Akureyri, 2003)

Rhamnaceae

- * 339 *Frangula alnus* Mill. (Tallinn, 1971)
- 340 *Frangula purshiana* (DC.) J.G.Cooper (Vancouver, 2006)
- * 341 *Rhamnus alpina* L. (Champex, 1992)
- 342 *Rhamnus davurica* Pall. (Tartu, 1999)
- 343 *Rhamnus davurica* Pall. **var. nipponica** Makino (Novosibirsk, 2003)
- 344 *Rhamnus japonica* Maxim. (Trondheim, 1998)
- 345 *Rhamnus parvifolia* Bunge (Barnaul, 1998)

Rosaceae

- 346 *Amelanchier alnifolia* (Nutt.) Nutt.
- * 347 *Amelanchier canadensis* (L.) Medik. (Harrogate, 1996)
- 348 *Amelanchier interior* E.L.Nielsen (Prùhonice, 2005)
- 349 *Amelanchier laevis* Wiegand (Washington, 1975)
- 350 *Amelanchier obovalis* (Michx.) Ashe (Estonia, Kaerepere, 1992)
- 351 *Amelanchier spicata* (Lam.) K.Koch (Estonia, Reediku, 1965)
- 352 *Cerasus avium* (L.) Moench (syn. *Prunus avium* L.)
- 353 *Cerasus maximowiczii* (Rupr.) Kom. (syn. *Prunus maximowiczii* Rupr.)
- A 354 *Cerasus tomentosa* (Thunb.) Loisel. (syn. *Prunus tomentosa* Thunb.) (Estonia, Luua, 1958)

- 355 *Chaenomeles japonica* (Thunb.) Lindl. ex Spach
 356 *Cormus domestica* (L.) Spach (syn. *Sorbus domestica* L.) (Estonia, Polli, 1985)
A 357 *Cotoneaster dielsianus* E.Pritz. (Kaunas, 1961)
 358 *Cotoneaster divaricatus* Rehder & E.H.Wilson (Antwerpen, 1957)
A 359 *Cotoneaster praecox* (Bois & P.Berthault) M.Vilm. ex Meun. (Stockholm, 1957)
 * 360 *Cotoneaster scandinavicus* B.Hylmö (St. Petersburg, 2013)
A 361 *Crataegus arnoldiana* Sarg. (Salaspils, 1996)
 362 *Crataegus arnoldiana* Sarg. (Salaspils, 1996)
 363 *Crataegus calpodendron* (Ehrh.) Medik. (Ottawa, 1962)
 364 *Crataegus chrysoarpa* Ashe (Tartu, 1958)
 365 *Crataegus chrysoarpa* Ashe **var. phoenicea** E.J.Palmer (Helsinki, 1960)
 366 *Crataegus douglasii* Lindl. (Estonia, Järvselja, 1958)
 * 367 *Crataegus laevigata* (Poir.) DC. (Strasbourg, 1990)
A* 368 *Crataegus maximowiczii* C.K.Schneid. (*Rossia extremiorientalis*,
Kedrovaya Pad', 1961)
 369 *Crataegus punctata* Jacq. (Almaty, 1957)
 370 *Crataegus punctata* Jacq. **f. intermedia** Kruschke (Almaty, 1957)
 371 *Crataegus sanguinea* Pall. (Gornotaietchna, 2016)
 372 *Crataegus submollis* Sarg. (Estonia, Luua, 1958)
 373 *Crataegus submollis* Sarg. (Samara, 1957)
 * 374 *Crataegus turkestanica* Pojark. (*Pamir-Alai occidentalis*, *Iskander-Kul*, 1962)
 * 375 *Crataegus* × *viidumaegica* Cinovskis (*Estonia, Insula Saaremaa, Viidu*, 2006)
 376 *Holodiscus discolor* (Pursh) Maxim.
A 377 *Malus fusca* (Raf.) C.K.Schneid. (Helsinki, 1996)
 * 378 *Malus sargentii* Rehder (Sapporo, 1980)
A* 379 *Malus sieversii* (Ledeb.) M.Roem. (Tashkent, 1989)
 380 *Malus toringo* (Siebold) Siebold ex de Vriese (Lviv, 1959)
 381 *Mespilus germanica* L. (Estonia, Luua, 1958)
A 382 *Neillia sinensis* Oliv. (Moscow, 1961)
A* 383 *Padus demissa* (Nutt. ex Torr. & A.Gray) M.Roem. (syn. *Prunus virginiana*
var. demissa (Nutt.) Torr.) (Helsinki, 1996)
 384 *Padus maackii* (Rupr.) Kom. (syn. *Prunus maackii* Rupr.) (Tartu, 1958)
A 385 *Padus virginiana* (L.) Mill. (syn. *Prunus virginiana* L.) (East Lansing, 2000)
 386 *Physocarpus capitatus* (Pursh) Kuntze (Bruxelles, 1957)
 * 387 *Physocarpus opulifolius* (L.) Maxim. **var. intermedius** (Rydb.) B.L.Rob.
 (Lisle, 1989)
 388 *Physocarpus opulifolius* (L.) Maxim. **cv. Luteus**
 * 389 *Potentilla fruticosa* L. (syn. *Dasiphora fruticosa* (L.) Rydb.) (*Estonia*,
Laulasmaa, 1972)
 390 *Prunus spinosa* L. (Cogne, 2003)
 391 *Prunus spinosa* L. **subsp. dasyphylla** (Schur) Domin (Estonia, Paldiski, 2005)
 392 *Pyracantha coccinea* M.Roem. (Salaspils, 2007)
A 393 *Pyracantha coccinea* M.Roem (Berlin-Dahlem, 1957)

- 394 *Rhodotypos scandens* (Thunb.) Makino (Ofuna, 2017)
- 395 *Rosa acicularis* Lindl. **var. nipponensis** (Crép.) Koehne (Kyoto, 1982)
- * 396 *Rosa amblyotis* C.A.Mey. (*Insula Sachalin, Yuzhno-Sakhalinsk*, 1981)
- * 397 *Rosa blanda* Aiton (Philadelphia, 1983)
- 398 *Rosa caesia* Sm. (Stockholm, 1961)
- 399 *Rosa canina* L. **cv. Inermis** (Iași, 1984)
- 400 *Rosa carolina* L. **var. grandiflora** (Baker) Rehder (Glencoe, 1988)
- * 401 *Rosa corymbifera* Borkh. (*Tianschan occidentalis, Chimgan*, 1981)
- 402 *Rosa elegantula* Rolfe **var. persetosa** Staph. (Rouen, 2004)
- 403 *Rosa gallica* L.
- * 404 *Rosa glauca* Pourr. (Salzburg, 2002)
- 405 *Rosa hemsleyana* G.Täckh. (Stockholm, 1957)
- 406 *Rosa* × *highdownensis* H.G.K.Hillier (Reading, 1971)
- 407 *Rosa jundzillii* Besser (Tübingen, 1985)
- 408 *Rosa lucida* Ehrh. (Strasbourg, 1996)
- 409 *Rosa* × *macrantha* hort. non N.H.F.Desp. (Kalmthout, 1961)
- * 410 *Rosa maximowicziana* Regel (*Rossia extremiorientalis, Shamora*, 1980)
- * 411 *Rosa micrantha* Borrer ex Sm. (Liège, 1982)
- 412 *Rosa multiflora* Thunb. ex Murray **f. roseiflora** (Focke) Rehder (Beijing, 1987)
- 413 *Rosa nitidula* Besser
- 414 *Rosa obtusifolia* Desv. (Stockholm, 1963)
- 415 *Rosa palustris* Marshall (Philadelphia, 1983)
- 416 *Rosa roxburghii* Tratt. **f. normalis** Rehder & E.H.Wilson (Koshigaya, 1987)
- 417 *Rosa rubiginosa* L.
- 418 *Rosa rugosa* Thunb. **cv. Alba** (Nijmegen, 1988)
- 419 *Rosa setipoda* Hemsl. & E.H.Wilson (Helsinki, 1960)
- 420 *Rosa stylosa* Desv. (Düsseldorf, 1996)
- 421 *Rosa sweginzowii* Koehne (Kalmthout, 1961)
- 422 *Rosa sweginzowii* Koehne **cv. Macrocarpa** (Essen, 1984)
- 423 *Rosa villosa* L.
- * 424 *Rosa vosagiaca* Desp. (Hamburg, 1986)
- * 425 *Rubus occidentalis* L. (South Hadley, 1997)
- * 426 *Rubus odoratus* L. (Montréal, 1970)
- 427 *Rubus parviflorus* Nutt. (Estonia, Tihemetsa, 1965)
- 428 *Sibbaldia olgae* Juz. & Ovez. (Rabenau, 1986)
- * 429 *Sorbaria sorbifolia* (L.) A.Braun (*Rossia extremiorientalis, Svetlaya*, 1977)
- 430 ×*Sorbocotoneaster pozdnjakowii* Pojark. (Estonia, Tallinn, 2001)
- * 431 *Sorbus amurensis* Koehne (*Rossia extremiorientalis, Mt. Khualaza*, 1961)
- 432 *Sorbus anglica* Hedl. (syn. *Hedlundia anglica* (Hedl.) Sennikov & Kurtto) (Bristol, 2003)
- 433 *Sorbus* **cv. Apricot Queen** (Estonia, Tallinn, 2002)
- 434 *Sorbus commixta* Hedl. (Sapporo, 1967)
- 435 *Sorbus commixta* Hedl. **cv. Serotina** (Essen, 1958)

- 436 ***Sorbus decora*** (Sarg.) C.K.Schneid. (Philadelphia, 1975)
- A** 437 ***Sorbus devoniensis*** E.F.Warb. (syn. *Karpatisorbus devoniensis* (E.F.Warb.) Sennikov & Kurtto) **cv. Theophrasta** (Bristol, 2003)
- 438 ***Sorbus foliolosa*** (Wallich) Spach (Leicester, 1996)
- 439 ***Sorbus latifolia*** (Lam.) Pers. (syn. *Karpatisorbus latifolia* (Lam.) Sennikov & Kurtto)
- 440 ***Sorbus meinichii*** (Lindeb. ex Hartm.) Hedl. (syn. *Hedlundia meinichii* (Lindeb. ex Hartm.) Sennikov & Kurtto) (Kristiansand, 2003)
- 441 ***Sorbus* cv. Nova** (Estonia, Tallinn, 2002)
- 442 ***Sorbus pohuashanensis*** (Hance) Hedl. (Estonia, Lohkva, 2002)
- * 443 ***Sorbus sambucifolia*** (Cham. & Schldl.) M.Roem. (*Rossia extremiorientalis*, *Sovetskaya Gavan'*, 1967)
- 444 ***Sorbus setschwanensis*** (C.K.Schneid.) Koehne (Rogów, 2002)
- 445 ***Sorbus wilfordii*** Koehne (Estonia, Luua, 1985)
- 446 ***Spiraea* × *margaritae*** Zabel (Genève, 1965)
- 447 ***Spiraea uratensis*** Franch. (Estonia, Rae, 2010)

Rubiaceae

- + 448 ***Psychotria punctata*** Vatke (Düsseldorf, 2001)
- + 449 ***Psychotria viridis*** Ruiz & Pav.

Rutaceae

- 450 ***Dictamnus albus* L. cv. Albiflorus** (Berlin, 1987)
- A** 451 ***Orixa japonica*** Thunb.
- 452 ***Phellodendron amurense*** Rupr.
- 453 ***Phellodendron chinense*** C.K.Schneid.
- 454 ***Phellodendron lavalleyi*** Dode (Coimbra, 1966)
- * 455 ***Phellodendron sachalinense*** (F.Schmidt) Sarg. (*Insula Sachalin*, *Yuzhno-Sakhalinsk*, 1962)
- A** 456 ***Ptelea baldwinii*** Torr. & A.Gray (Leipzig, 2010)
- 457 ***Ptelea trifoliata*** L.
- 458 ***Ruta graveolens*** L.

Saxifragaceae

- * 459 ***Saxifraga aizoides*** L. (Chambésy, 2016) IPEN nr: CH0G-20150988
- * 460 ***Saxifraga luteoviridis*** Schott & Kotschy (Göteborg, 2013)
- 461 ***Saxifraga tenella*** Wulfen (Leipzig, 1959)

Schisandraceae

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

Scrophulariaceae

- 463 ***Antirrhinum molle*** L. (Göteborg, 2018)
- 464 ***Penstemon ovatus*** Douglas (Frankfurt, 2016) IPEN nr: US-0-FRP-25330

Solanaceae

- 465 *Capsicum annuum* L. cv. **Hot Pops**
 466 *Capsicum annuum* L. cv. **Sweet Bananas Banana Group**
 467 *Lycopersicon esculentum* Mill. cv. **Hiiumaa Roheline**
 * 468 *Solanum dulcamara* L. (Estonia, Tallinn, 1999)
 469 *Solanum villosum* Mill. (Cluj-Napoca, 2024)

Staphyleaceae

- 470 *Staphylea pinnata* L.
 * 471 *Staphylea trifolia* L. (East Lansing, 1989)
 * 472 *Staphylea trifolia* L. var. **pauciflora** (Zabel) Rehder (Ottawa, 1967)

Styracaceae

- A 473 *Pterostyrax hispidus* Siebold & Zucc. (Estonia, Ellamaa, 2008)

Tiliaceae

- 474 *Tilia americana* L. cv. **Cyclophylla** (Salaspils, 1990)
 * 475 *Tilia amurensis* Rupr. (*Rossia extremiorientalis*, *Okeanskaya*, 1961)
 476 *Tilia dasystyla* Steven var. **caucasica** (Rupr.) C.D.Pigott (Berlin, 1996)
 477 *Tilia platyphyllos* Scop. subsp. **cordifolia** (Besser) C.K.Schneid.
 (Estonia, Harku, 1963)
 478 *Tilia platyphyllos* Scop. cv. **Rubra**
 479 *Tilia platyphyllos* Scop. cv. **Sõstralehine** (Estonia, Rohu, 2009)
 * 480 *Tilia tomentosa* Moench (*Moldavia, prope Chişinău*, 1981)

Ulmaceae

- 481 *Celtis tenuifolia* Nutt. (Tharandt, 2010)

Verbenaceae

- +* 482 *Stachytarpheta jamaicensis* (L.) Vahl (naturalized, *Insula Mauritiana*, 2003)

Vitaceae

- 483 *Ampelopsis brevipedunculata* (Maxim.) Trautv. var. **maximowiczii** (Regel)
 Rehder (Altenburg, 1999)
 484 *Ampelopsis humulifolia* Bunge (Estonia, Viljandi, 2009)

Monocotyledoneae

Alliaceae

- 485 *Allium atropurpureum* Waldst. & Kit. (Budapest, 1974)
 486 *Allium christophii* Trautv. (Dushanbe, 1960)
 487 *Nectaroscordum siculum* (Ucria) Lindl. subsp. **bulgaricum** (Janka) Stearn
 (syn. *Allium siculum* Ucria subsp. *dioscoridis* (Sm.) K.Richt.) (Estonia,
 Tallinn, 2003)

Amaryllidaceae

- + 488 *Cyrtanthus elatus* (Jacq.) Traub
- + 489 *Zephyranthes robusta* (Herb.) Baker

Araceae

- + 490 *Anthurium scandens* Engl. **subsp. scandens**
- 491 *Arisaema ciliatum* H.Li
- + 492 *Arisaema fargesii* Buchet (Göteborg, 2003)

Arecaceae

- + 493 *Chamaerops humilis* L.
- + 494 *Serenoa repens* (W.Bartram) Small (Bogor, 1997)

Asparagaceae

- + 495 *Arthropodium cirratum* (G.Forst.) R.Br.
- + 496 *Cordyline fruticosa* (L.) A.Chev.
- +* 497 *Eustrephus latifolius* R.Br. (Australiana, 2003)

Asphodelaceae

- + 498 *Dianella caerulea* Sims (St.Petersburg, 1977)

Bromeliaceae

- + 499 *Billbergia brasiliensis* L.B.Sm. (Munster, 1983)
- + 500 *Pitcairnia heterophylla* (Lindl.) Beer (Zürich, 2014)
- + 501 *Puya ferruginea* (Ruiz & Pav.) L.B.Sm. (Bochum, 2013)
- + 502 *Puya mirabilis* (Mez) L.B.Sm.

Cannaceae

- + 503 *Canna indica* L.

Colchicaceae

- 504 *Colchicum szovitsii* Fisch. & C.A.Mey.

Commelinaceae

- + 505 *Tradescantia spathacea* Sw.

Convallariaceae

- 506 *Smilacina racemosa* (L.) Desf. (Wisley, 2007)
- 507 *Smilacina stellata* (L.) Desf. (Edmonton, 1986)

Cyperaceae

- + 508 *Carex uncinata* (L.f.) Kük. **cv. Rubra**

Hyacinthaceae

- 509 *Galtonia candicans* (Baker) Decne. (Vácrátót, 1994)
- 510 *Scilla scilloides* (Lindl.) Druce (Stavropol, 1981)

Iridaceae

- + 511 *Dietes iridioides* (L.) Sweet ex Klatt (Nantes, 2019)
- * 512 *Gladiolus imbricatus* L. (Estonia, Tamsa, 1998)
- + 513 *Iris foetidissima* L. (Samoëns, 2010)
- 514 *Iris graminea* L. (Meise, 1993)
- * 515 *Iris hookeri* Penny ex G.Don (AGS, 2011)
- + 516 *Libertia ixioides* (G.Forst) Spreng. (Christchurch, 2013)
- 517 *Sisyrinchium bellum* S.Watson **cv. Album** (NARGS, 2002)

Poaceae

- 518 *Cenchrus ciliaris* L. (Mainz, 2017)
- 519 *Pennisetum macrourum* Trin. **cv. Tail Feathers**
- + 520 *Setaria palmifolia* (J.König) Stapf (Düsseldorf, 2015)
- 521 *Sorghum dochna* (Forssk.) Snowden (Innsbruck, 2016)

Zingiberaceae

- + 522 *Hedychium coccineum* Buch.-Ham. ex Sm.
- + 523 *Hedychium gardnerianum* Sheppard ex Ker Gawl.

Seminum collectores: Ain Vammus, Anu Birnbaum, Anu Kaur, Ave Visnapuu, Eevi Siibak, Helle Dikker, Jaan Mettik, Krista Kirotar, Lilian Veltermann, Ly Mik, Mare Raidma, Marju Zirk, Sille Janson, Tõnu Rähn, Öonne Kuriks

II Semina plantarum spontanearum in diversis regionibus Estoniae collecta

SPERMATOPHYTA

GYMNOSPERMAE

Cupressaceae

- 524 *Juniperus communis* L. – dry alvar shrubland, Virtsu, Pärnu County, W Estonia
58.563219, 23.548649 29.09.2024 OA
- 525 *Juniperus communis* L. – dry boreal grassland (*Festuco rubrae-Agrostietum
capillaris*), Natturi, Lääne-Viru County, N Estonia 59.623089, 26.026667
20.10.2024 ÖK

ANGIOSPERMAE

Dicotyledoneae

Apiaceae

- 526 *Aegopodium podagraria* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia
59.468003, 24.882900 13.08.2024 MR
- 527 *Daucus carota* L. – dry alvar grassland (*Trifolio montani-Filipenduletum vulgaris*),
Aandu, Rapla County, NW Estonia 59.159931, 24.748820 30.08.2024 UL
- 528 *Myrrhis odorata* (L.) Scop. – naturalized, old farmyard, Saiakopli, Lääne-Viru
County, N Estonia 59.228024, 26.092568, 17.08.2024 LM
- 529 *Pastinaca sativa* L. **subsp. sylvestris** (Mill.) Rouy & E.G.Camus – street edge,
Kalaranna, Tallinn, N Estonia 59.450843, 24.730111 09.08.2024 MR
- 530 *Pimpinella major* (L.) Huds. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*)
forest (*Calamagrostio-Pinetum*), Aandu, Rapla County, NW Estonia 59.159650,
24.748131 30.08.2024 UL
- 531 *Torilis japonica* (Houtt.) DC. – wasteland, Mäeküla, Tallinn, N Estonia 59.396967,
24.606394 25.09.2024 TR

Asteraceae

- 532 *Arctium tomentosum* Mill. – railway dam, Pelgulinn, Tallinn, N Estonia
59.445065, 24.715975 18.08.2024 MR
- 533 *Cichorium intybus* L. – railway dam, Pelgulinn, Tallinn, N Estonia 59.443221,
24.717706 25.08.2024 MR
- 534 *Cirsium acaule* (L.) Scop. – dry alvar grassland (*Trifolio montani-Filipenduletum
vulgaris*), Aandu, Rapla County, NW Estonia 59.165656, 24.743850 30.08.2024 UL
- 535 *Crepis biennis* L. – dry alvar grassland (*Trifolio montani-Filipenduletum
vulgaris*), Rapla County, NW Estonia 59.162016, 24.747061 20.07.2024 UL
- 536 *Crepis biennis* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.468814,
24.878285 23.07.2024 MR

- 537 ***Erigeron acer*** L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.467608, 24.864421 22.07.2024 MR
- 538 ***Hieracium umbellatum*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467640, 24.885572 22.08.2024 MR
- 539 ***Hypochaeris maculata*** L. (syn. *Achyrophorus maculatus* (L.) Scop.) – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.467550, 24.864924 22.07.2024 MR
- 540 ***Lapsana communis*** L. – street edge, Kloostrimetsa, Tallinn, N Estonia 59.470978, 24.884925 02.08.2024 MR
- 541 ***Leontodon autumnalis*** L. – street edge, Kalaranna, Tallinn, N Estonia 59.471026, 24.885007 09.08.2024 MR
- 542 ***Mycelis muralis*** (L.) Dumort. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.470401, 24.881416 05.08.2024 MR
- 543 ***Sonchus oleraceus*** L. – street edge, Kalaranna, Tallinn, N Estonia 59.445506, 24.74797 15.08.2024 MR
- 544 ***Tanacetum vulgare*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467803, 24.877968 09.08.2024 MR
- 545 ***Tragopogon pratense*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467697, 24.884679 25.06.2024 MR

Berberidaceae

- 546 ***Berberis vulgaris*** L. – dry alvar shrubland, Virtsu, Pärnu County, W Estonia 58.563413, 23.548512 29.09.2024 OA

Boraginaceae

- 547 ***Lithospermum officinale*** L. – roadside, Aandu, Rapla County, NW Estonia 59.164177, 24.747443 10.12.2024 UL

Brassicaceae

- 548 ***Berteroa incana*** L. – gray dune (*Galio veri-Thymetum*), Pelguranna, Tallinn, N Estonia 59.44607, 24.684843 20.08.2024 MR
- 549 ***Brassica napus*** L. em. Metzg. **subsp. *napus*** – naturalized, pebbly seashore, Pelguranna, Tallinn, N Estonia 59.449553, 24.683004 20.10.2024 MR
- 550 ***Bunias orientalis*** L. – naturalized, railway dam, Pelgulinn, Tallinn, N Estonia 59.442859, 24.718098 25.08.2024 MR
- 551 ***Erysimum strictum*** G.Gaertn. & al. – street edge, Mustjõe, Tallinn, N Estonia 59.432005, 24.67758 20.08.2024 MR

Campanulaceae

- 552 ***Campanula rapunculoides*** L. – fresh boreo-nemoral grassland (*Agrostio capillaris-Trifolietum repentis*), Saiakopli, Lääne-Viru County, N Estonia 59.228406, 26.091328 17.08.2024 LM

Caprifoliaceae

- 553 *Viburnum opulus* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.46733, 24.882995 15.11.2024 MR

Caryophyllaceae

- 554 *Silene dioica* (L.) Clairv. (syn. *Melandrium dioicum* (L.) Coss. & Germ.) – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467909, 24.88546 19.07.2024 MR

Convolvulaceae

- 555 *Calystegia sepium* (L.) R.Br. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.466622, 24.876605 27.09.2024 MR

Cucurbitaceae

- 556 *Bryonia alba* L. – naturalized, on the fence, Karjamaa, Tallinn, N Estonia 59.449302, 24.712668 25.09.2024 MR

Empetraceae

- 557 *Empetrum nigrum* L. **subsp. nigrum** – ombrotrophic bog pine (*Pinus sylvestris*) forest (*Sphagno–Pinetum*), Ervita, Järva County, C Estonia 58.936001, 26.083796 09.08.2024 ÕK

Ericaceae

- 558 *Oxycoccus palustris* Pers. (syn. *Vaccinium oxycoccus* L.) – abandoned peat quarry, Ervita, Järva County, C Estonia 58.930089, 26.094621 30.09.2024 ÕK
- 559 *Rhodococcum vitis-idaea* (L.) Avror. (syn. *Vaccinium vitis-idaea* L.) – ombrotrophic bog pine (*Pinus sylvestris*) forest (*Sphagno–Pinetum*), Ervita, Järva County, C Estonia 58.936001, 26.083796 09.08.2024 ÕK
- 560 *Vaccinium myrtillus* L. – mixotrophic (transitional) mire pine (*Pinus sylvestris*) forest, Ervita, Järva County, C Estonia 58.946181, 26.102438 21.07.2024 ÕK
- 561 *Vaccinium uliginosum* L. – ombrotrophic bog pine (*Pinus sylvestris*) forest (*Sphagno–Pinetum*), Ervita, Järva County, C Estonia 58.936001, 26.083796 09.08.2024 ÕK

Fabaceae

- 562 *Medicago × varia* Martyn – railway dam, Pelgulinn, Tallinn, N Estonia 59.446752, 24.712779 25.08.2024 MR
- 563 *Vicia cracca* L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467292, 24.884019 26.07.2024 MR

Lamiaceae

- 564 *Origanum vulgare* L. – dry alvar grassland (*Trifolio montani–Filipenduletum vulgaris*), Paldiski, Harju County, NW Estonia 59.380822, 24.075097 18.09.2024 RK
- 565 *Stachys sylvatica* L. – fresh boreo-nemoral *Hepatica* birch (*Betula pendula*) and spruce (*Picea abies*) mixed forest (*Hepatico–Betulo–Pinetum*), Aandu, Rapla County, NW Estonia 59.158690, 24.738730 19.09.2024 UL

Onagraceae

- 566 ***Chamaenerion angustifolium*** (L.) Scop. (syn. *Epilobium angustifolium* L.) – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.466603, 24.882327 09.08.2024 MR
- 567 ***Oenothera biennis*** L. – naturalized, arboretum, Kloostrimetsa, Tallinn, N Estonia 59.469715, 24.883381 29.10.2024 MR

Papaveraceae

- 568 ***Chelidonium majus*** L. – street edge, Kloostrimetsa, Tallinn, N Estonia 59.47156, 24.883742 01.07.2024 MR
- 569 ***Papaver lateritium*** K.Koch **subsp. *monanthum*** (Trautv.) Kadereit – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467928, 24.885247 11.09.2024 MR

Polygonaceae

- 570 ***Rumex crispus*** L. – street edge, Kalaranna, Tallinn, N Estonia 59.446314, 24.746381 09.08.2024 MR

Primulaceae

- 571 ***Lysimachia vulgaris*** L. – Löwenruh Park, Tallinn, N Estonia 59.415772, 24.695479 03.10.2024 OA, TR

Ranunculaceae

- 572 ***Actaea spicata*** L. – arboretum, Kloostrimetsa, N Estonia 59.468657, 24.883778 08.08.2024 MR
- 573 ***Ficaria verna*** Huds. (syn. *Ranunculus ficaria* L.) – arboretum, Kloostrimetsa, N Estonia 59.467727, 24.879601 23.05.2024 MR
- 574 ***Ranunculus acris*** L. – arboretum, Kloostrimetsa, N Estonia 59.467353, 24.883854 11.07.2024 MR
- 575 ***Thalictrum flavum*** L. – dry boreo-nemoral grassland (*Medicagini-Festucetum rubrae*), Saiakopli, Lääne-Viru County, N Estonia 59.229730, 26.087969 17.08.2024 LM

Rhamnaceae

- 576 ***Rhamnus cathartica*** L. – street edge, Kloostrimetsa, Tallinn, N Estonia 59.469211, 24.885135 17.10.2024 PH

Rosaceae

- 577 ***Agrimonia eupatoria*** L. – fresh alvar *Calamagrostis* spruce (*Picea abies*) forest (*Calamagrostio-Pinetum*), Aandu, Rapla County, NW Estonia 59.164270, 24.747040 30.08.2024 UL
- 578 ***Filipendula vulgaris*** Moench – dry boreo-nemoral grassland (*Medicagini-Festucetum rubrae*), Saiakopli, Lääne-Viru County, N Estonia 59.230066, 26.088800 17.08.2024 LM
- 579 ***Geum urbanum*** L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.470401, 24.881416 05.08.2024 MR

- 580 ***Geum urbanum*** L. – rich paludified grassland (*Scorzonero-Caricetum pallescentis*), Viidu, Saaremaa Island, W Estonia 58.297418, 22.102372 01.08.2024 MZ
- 581 ***Rosa coriifolia*** Fr. – fresh boreo-nemoral *Hepatica* birch (*Betula pendula*) and spruce (*Picea abies*) mixed forest (*Hepatico-Betulo-Pinetum*), Aandu, Rapla County, NW Estonia 59.159530, 24.746918 05.10.2024 UL
- 582 ***Rosa majalis*** Herrm. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) forest (*Calamagrostio-Pinetum*), Aandu, Rapla County, NW Estonia 59.160390, 24.751662 05.01.2025 UL
- 583 ***Rosa subcanina*** (H.Christ) Dalla Torre & Sarnth. – wasteland, Mäeküla, Tallinn, N Estonia 59.396920, 24.606490 25.09.2024 TR
- 584 ***Rubus caesius*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.466484, 24.882993 27.08.2024 MR
- 585 ***Rubus caesius*** L. – wasteland, Mäeküla, Tallinn, N Estonia 59.396931, 24.606330 25.09.2024 TR

Rubiaceae

- 586 ***Galium album*** Mill. – dry boreo-nemoral grassland (*Melampyreo-Scorzoneretum*), Saiakopli, Lääne-Viru County, N Estonia 59.228631, 26.089082 17.08.2024 LM
- 587 ***Galium album*** Mill. – street edge, Kalaranna, Tallinn, N Estonia 59.449595, 24.74019 15.08.2024 MR
- 588 ***Galium boreale*** L. – dry boreo-nemoral grassland (*Melampyreo-Scorzoneretum*), Saiakopli, Lääne-Viru County, N Estonia 59.228642, 26.088857 17.08.2024 LM

Salicaceae

- 589 ***Salix pentandra*** L. – health trail edge, Harku, Harju County, N Estonia 59.384294, 24.601918 05.10.2024 MR

Scrophulariaceae

- 590 ***Linaria vulgaris*** Mill. – street edge, Kalaranna, Tallinn, N Estonia 59.449595, 24.74019 15.08.2024 MR
- 591 ***Rhinanthus angustifolius*** C.C.Gmel. **subsp. vernalis** (N.W.Zinger) Soó – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467353, 24.8838540 1 1.07.2024 MR
- 592 ***Verbascum thapsus*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.469314, 24.878179 09.08.2024 MR

Solanaceae

- 593 ***Solanum dulcamara*** L. – wasteland, Mäeküla, Tallinn, N Estonia 59.396960, 24.606310 25.09.2024 TR

Monocotyledoneae

Convallariaceae

- 594 **Convallaria majalis** L. – dry boreal *Vaccinium vitis-idaea* pine (*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.475260, 24.873290 25.09.2024 OA, TR
- 595 **Polygonatum odoratum** (Mill.) Druce – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur–Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.468789, 24.885051 03.10.2024 MR

Cyperaceae

- 596 **Scirpus sylvaticus** L. – ditch, Pelgulinn, Tallinn, N Estonia 59.444475, 24.716562 18.08.2024 MR

Juncaceae

- 597 **Juncus compressus** Jacq. – street edge, Pelgulinn, Tallinn, N Estonia 59.446676, 24.711991 22.09.2024 MR

Liliaceae

- 598 **Lilium martagon** L. – naturalized, Tohisoo Manor Park, Kohila, Rapla County, NW Estonia 59.160391, 24.766730 17.09.2024 UL

Poaceae

- 599 **Brachypodium pinnatum** (L.) P.Beauv. – fresh alvar *Calamagrostis* pine (*Pinus sylvestris*) and spruce (*Picea abies*) mixed forest (*Calamagrostio–Pino–Piceetum*), Aandu, Rapla County, NW Estonia 59.165403, 24.742152 30.08.2024 UL
- 600 **Calamagrostis arundinacea** (L.) Roth – fresh boreo-nemoral *Hepatica* birch (*Betula pendula*) and spruce (*Picea abies*) mixed forest (*Hepatico–Betulo–Piceetum*), Aandu, Rapla County, NW Estonia 59.159490, 24.745594 30.08.2024 UL
- 601 **Calamagrostis epigejos** (L.) Roth – wasteland, Mäeküla, Tallinn, N Estonia 59.3963930, 24.808320 25.09.2024 OA
- 602 **Dactylis glomerata** L. – street edge, Kalaranna, Tallinn, N Estonia 59.446543, 24.746151 09.08.2024 MR
- 603 **Deschampsia cespitosa** (L.) P.Beauv. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.466745, 24.881675 30.07.2024 MR
- 604 **Elymus caninus** (L.) L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.466904, 24.881506 05.08.2024 MR
- 605 **Festuca rubra** L. – street edge, Kalaranna, Tallinn, N Estonia 59.450823, 24.730371 09.08.2024 MR
- 606 **Phalaris arundinacea** L. – street edge, Kalaranna, Tallinn, N Estonia 59.449600, 24.740236 09.08.2024 MR

Trilliaceae

- 607 ***Paris quadrifolia*** L. – dry boreal *Vaccinium vitis-idaea* oak–pine (*Quercus robur*–*Pinus sylvestris*) forest (*Vaccinio vitis-idaeo–Quercu–Pinetum*), Kloostrimetsa, Tallinn, N Estonia 59.470517, 24.881246 05.08.2024 MR
- 608 ***Paris quadrifolia*** L. – arboretum, Kloostrimetsa, Tallinn, N Estonia 59.467800, 24.884132 29.07.2024 MR

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

ANGIOSPERMAE***Dicotyledoneae*****Rosaceae**

- 609 ***Crataegus alemanniensis*** Cinovskis – Pelguranna beach park, Tallinn, N Estonia 59.446456, 24.68653 20.10.2024 MR
- 610 ***Crataegus monogyna*** Jacq. em. Lindm. – garden, Pelgulinn, Tallinn, N Estonia 59.446819, 24.712208 25.08.2024 MR
- 611 ***Crataegus rusanowii*** Cinovskis – street edge, Pelgulinn, Tallinn, N Estonia 59.446061, 24.713829 25.08.2024 MR

Seminum collectores: Liivi Mäekallas (LM), Mare Raidma (MR), Marju Zirk (MZ), Olev Abner (OA), Pille Hermann (PH), Rein Kalamees (RK), Tõnu Rähn (TR), Urmas Laansoo (UL), Õne Kuriks (ÕK)

Urve Sinijärv
Horti Director

Olev Abner
Custos

Heli Russak
Seminum Curator

KAUR Weather Records 2024
Tallinn - Harku

The highest air temperature: 32,3 °C (June 28)

The lowest air temperature: -20,1 °C (January 6)

Annual rainfall total: 690

Average Monthly Temperature and Rainfall

Month	Ground (°C)	Air Average (°C)	Air Min (°C)	Air Max (°C)	Rainfall (mm)
Jan	-	-6,2	-20,1	5,0	27,8
Feb	-	-1,3	-15,5	6,9	38,3
Mar	-	2,0	-7,0	17,1	30,0
Apr	-	4,8	-3,9	23,0	60,8
May	-	13,6	-2,8	29,3	9,6
Jun	-	16,5	5,1	32,3	78,1
Jul	-	18,7	10,2	28,6	46,0
Aug	-	17,7	8,1	29,7	90,6
Sep	-	15,4	2,0	28,2	105,5
Oct	-	8,8	-0,7	16,3	56,9
Nov	-	4,4	-4,3	10,6	77,8
Dec	-	1,5	-6,8	7,2	68,1

