

INDEX SEMINUM

ANNO 2022

COLLECTORUM QUAE

HORTUS BOTANICUS

UNIVERSITATIS TARTUENSIS

(ANNO DOMINI 1803)

PRO MUTUA

COMMUTATIONE OFFERT

Tartu 2022

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UNIVERSITATIS TARTUENSIS

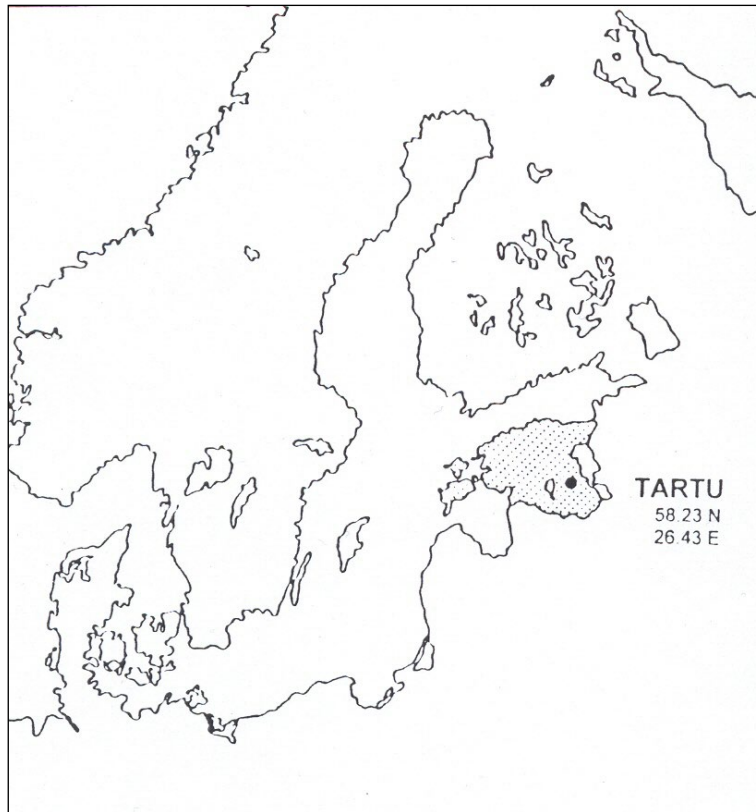
(ANNO DOMINI 1803)

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EDITOR KERSTI TAMBETS

TARTU 2022

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Indicationes climatices

Mediae pluviae per annum pro 30 annis (1991-2020): **673** mm (Tartu-Tõravere)

Mediae pluviae in mensibus singulis mm:

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
48	39	36	35	54	88	67	79	55	68	55	51

Media temperatura per annum pro 30 annis (1991-2020): **6,3**°C (Tartu-Tõravere)

Mediae temperature in mensibus singulis °C:

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
-4,1	-4,4	-0,5	5,9	11,5	15,5	18,0	16,7	11,8	6,0	1,2	-2,1

Minimum absolutum pro 154 annis: -38,6°C (31.12.1978)

Maximum absolutum pro 154 annis: 35,2°C (02.08.1896)

Hardiness zone: 5/6 RHS Dictionary of Gardening, 1999,
H1(2) European Garden Flora, 1990

Z - seed from cultivated plant of known wild origin,

WS - seed direct from the wild

The rest of the seeds are from cultivated plant of unknown origin.

* - stored at 1°C

Cover photo by Katrin Mäeots (*Trollius chinensis* 'Golden Queen')

Dear colleagues,

We need to inform you about the **new stricter system of Plant quarantine in Estonia.**

By the new Plant Quarantine Act, we can receive seeds without the Phytosanitary Certificate only from the European Union.

If your location is not in European Union and if you can send seeds with the Phytosanitary Certificate, please send them to us along as usual.

If you cannot send seeds with the Phytosanitary Certificate, we will be unable to receive the seeds.

We are sorry, but we cannot send the Phytosanitary Certificate with our seeds because of its high price.

We are sorry for the inconvenience.

Best wishes,

Botanical Garden of Tartu University.

The seeds are result of open pollination. They may be hybridized and may have reduced germination power.

Feel free to let us know of any mistakes You encounter in the Index Seminum.

Our institution is a part of the IPEN (International Plant Exchange Network). The IPEN codes are generated through the PlutoF platform (<https://plutof.ut.ee>) where our seed collection database is managed.

Example of the IPEN code: EE-0-TU390145

EE: Country of origin is the Estonia.

0: There are no transfer restrictions for this material.

TU390145: Specimen accession number of University of Tartu Natural History Museum and Botanical Garden, the first two digits indicate Institution code (TU)

SEMINA ET PLANTIS IN HORTI BOTANICO ET IN LOCIS NATALI COLLECTA

1) Seeds collected in the wild

MONILOPHYTA / POLYPODIOPSIDA

POLYPODIACEAE

1. *Polypodium vulgare* L. * EE-0-TU390145
WS, Estonia, Saare county, Vilsandi island, Vesiloo peninsula, on coastal cobbles, in *Juniperus communis* stand.
58.40120, 21.82880, 2022-09-07

ANTHOPHYTA / MONOCOTYLEDONAE

ASPARAGACEAE

2. *Convallaria majalis* L. EE-0-TU390140
WS, Estonia, Võru county, Korela village
57.88844, 27.66039, 2022-10-13
3. *Maianthemum bifolium* (L.) F.W.Schmidt EE-0-TU390141
WS, Estonia, Võru county, Sesniki village
57.89086, 27.66149, 2022-10-13

CYPERACEAE

4. *Bolboschoenus maritimus* (L.) Palla EE-0-TU390077
WS, Estonia, Saare county, Kõruse-Metsaküla, Harilaid
58.47392, 21.88133, 2022-09-08
5. *Carex arenaria* L. EE-0-TU390074
WS, Estonia, Saare county, Kõruse-Metsaküla, Harilaid
58.47513, 21.88885, 2022-09-08
6. *Carex diandra* Schrank EE-0-TU390136
WS, Estonia, Rapla county, Põllu village
58.86367, 24.98562, 2022-07-18
7. *Carex echinata* Murray EE-0-TU390139
WS, Estonia, Võru county, Haanja village
57.71296, 27.03877, 2022-08-31
8. *Carex hostiana* DC. EE-0-TU390155
WS, Estonia, Põlva county, Krootuse village
58.08685, 26.87637, 2022-08-31

9. *Carex lasiocarpa* Ehrh. EE-0-TU390134
WS, Estonia, Rapla county, Vana-Kaiu village
58.98218, 25.15049, 2022-07-19
10. *Carex leporina* L. EE-0-TU390151
WS, Estonia, Võru county, Piusa village
57.83919, 27.47691, 2022-08-21
11. *Carex limosa* L. EE-0-TU390053
WS, Estonia, Põlva county, Meerapalu village
58.37516, 27.40018, 2022-08-30
12. *Carex paniculata* L. EE-0-TU390090
WS, Estonia, Tartu county, Elva city
58.22374, 26.41092, 2022-08-03
13. *Carex pseudocyperus* L. EE-0-TU390153
WS, Estonia, Põlva county, Krootuse village
58.08664, 26.87639, 2022-08-31
14. *Carex spicata* Huds. EE-0-TU390138
WS, Estonia, Võru county, Mõrgi village
57.89160, 27.10385, 2022-08-31
15. *Eriophorum latifolium* Hoppe EE-0-TU390086
WS, Estonia, Põlva county, Kikka village
57.97214, 27.37390, 2022-07-07
16. *Eriophorum vaginatum* L. EE-0-TU390093
WS, Estonia, Põlva county, Meelva village
58.12016, 27.36853, 2022-07-28
17. *Rhynchospora alba* (L.) Vahl EE-0-TU390156
WS, Estonia, Võru county, Simula village
57.73868, 27.04435, 2022-08-31
18. *Trichophorum alpinum* (L.) Pers. EE-0-TU390125
WS, Estonia, Võru county, Piusa village
57.84388, 27.46594, 2022-07-05

JUNCACEAE

19. *Juncus bufonius* L. EE-0-TU390118
WS, Estonia, Võru county, Lüübnitsa village
58.05524, 27.59787, 2022-10-05

JUNCAGINACEAE

20. *Triglochin maritima* L. EE-0-TU390070
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47388, 21.88152, 2022-09-08
21. *Triglochin palustre* L. EE-0-TU390054
WS, Estonia, Põlva county, Meerapalu village
58.38175, 27.38577, 2022-08-30

MELANTHIACEAE

22. *Paris quadrifolia* L. EE-0-TU390060
WS, Estonia, Saare county, Kallaste village
58.41202, 22.12312, 2022-09-07

POACEAE

23. *Ammophila arenaria* (L.) Link EE-0-TU390032
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47459, 21.88515, 2022-09-08
24. *Briza media* L. EE-0-TU390102
WS, Estonia, Rapla county, Põllu village
58.86319, 24.98688, 2022-07-18
25. *Calamagrostis arundinacea* (L.) Roth EE-0-TU390041
WS, Estonia, Põlva county, Toolamaa village
58.11592, 27.36776, 2022-07-28
26. *Calamagrostis epigejos* (L.) Roth EE-0-TU390108
WS, Estonia, Põlva county, Kõnnu village
58.20403, 27.37781, 2022-09-10
27. *Cynosurus cristatus* L. EE-0-TU390120
WS, Estonia, Võru county, Lüübnitsa village
58.07193, 27.56792, 2022-07-24
28. *Danthonia decumbens* (L.) DC. EE-0-TU390094
WS, Estonia, Põlva county, Haavapää village
57.98473, 27.26616, 2022-08-27
29. *Deschampsia flexuosa* (L.) Trin. EE-0-TU390128
WS, Estonia, Võru county, Lutepää village
57.91135, 27.65178, 2022-07-25
30. *Festuca arundinacea* Schreb. EE-0-TU390131
WS, Estonia, Järva county, Sonni village
58.90766, 25.14885, 2022-07-19
31. *Festuca ovina* L. EE-0-TU390112
WS, Estonia, Võru county, Toomasmäe village
58.03050, 27.56379, 2022-07-24
32. *Helictotrichon pratense* (L.) Besser EE-0-TU390084
WS, Estonia, Võru county, Piusa village
57.83981, 27.46679, 2022-08-21
33. *Holcus lanatus* L. EE-0-TU390047
WS, Estonia, Põlva county, Rahumäe village
58.07215, 27.43705, 2022-07-07
34. *Koeleria glauca* DC. EE-0-TU390152
WS, Estonia, Võru county, Piusa village
57.83898, 27.47159, 2022-08-21

35. *Leymus arenarius* (L.) Hochst. EE-0-TU390026
 WS, Estonia, Saare county, Kõruse-Metsaküla,
 Harilaid
 58.47492, 21.88845, 2022-09-08
36. *Melica nutans* L. EE-0-TU390130
 WS, Estonia, Ida-Viru county, Narva-Jõesuu city
 59.44410, 28.01660, 2022-07-02
37. *Nardus stricta* L. EE-0-TU390127
 WS, Estonia, Võru county, Örsava village
 57.93005, 27.65507, 2022-07-25
38. *Phleum phleoides* (L.) H.Karst. EE-0-TU390046
 WS, Estonia, Saare county, Vilsandi village
 58.37940, 21.82911, 2022-09-07

ANTHOPHYTA / EUDICOTYLEDONAE

APIACEAE

39. *Angelica sylvestris* L. EE-0-TU390052
 WS, Estonia, Tartu county, Järvelja village
 58.27101, 27.31457, 2022-08-30
40. *Anthriscus sylvestris* (L.) Hoffm. EE-0-TU390101
 WS, Estonia, Rapla county, Põllu village
 58.86155, 24.99222, 2022-07-18
41. *Chaerophyllum aromaticum* L. EE-0-TU390050
 WS, Estonia, Põlva county, Mägiotsa village
 58.18691, 27.34898, 2022-09-10
42. *Cnidium dubium* (Schkuhr) Thell. EE-0-TU390057
 WS, Estonia, Põlva county, Meerapalu village
 58.38082, 27.38779, 2022-08-30
43. *Daucus carota* L. EE-0-TU390029
 WS, Estonia, Saare county, Vilsandi village
 58.38074, 21.81789, 2022-09-07
44. *Heracleum sibiricum* L. EE-0-TU390107
 WS, Estonia, Võru county, Lüübnitsa village
 58.07215, 27.56798, 2022-07-24
45. *Libanotis montana* Crantz EE-0-TU390067
 WS, Estonia, Saare county, Vilsandi village, Vesiloo
 58.39920, 21.83032, 2022-09-07
46. *Pastinaca sativa* subsp. *sylvestris* (Mill.) Rouy & Camus EE-0-TU390100
 WS, Estonia, Jõgeva county, Vilina village
 58.77789, 26.48015, 2022-08-20
47. *Peucedanum palustre* (L.) Moench EE-0-TU390037
 WS, Estonia, Võru county, Audjassaare village
 58.04962, 27.59882, 2022-09-03

48. *Pimpinella saxifraga* L. EE-0-TU390059
 WS, Estonia, Saare county, Pidula village
 58.42031, 22.15191, 2022-09-08
49. *Sium latifolium* L. EE-0-TU390049
 WS, Estonia, Võru county, Lüübnitsa village
 58.05705, 27.59602, 2022-08-21
50. *Torilis japonica* (Houtt.) DC. EE-0-TU390065
 WS, Estonia, Saare county, Vilsandi village
 58.37828, 21.84071, 2022-09-07

ASTERACEAE

51. *Achillea salicifolia* Besser EE-0-TU390024
 WS, Estonia, Võru county, Audjassaare village
 58.04922, 27.60178, 2022-10-05
52. *Antennaria dioica* (L.) Gaertn. EE-0-TU390110
 WS, Estonia, Võru county, Tuderna village
 57.84677, 27.42549, 2022-07-05
53. *Aster tripolium* L. EE-0-TU390068
 WS, Estonia, Saare county, Kõruse-Metsaküla,
 Harilaid
 58.47393, 21.88150, 2022-09-08
54. *Bidens cernua* L. EE-0-TU390056
 WS, Estonia, Põlva county, Meerapalu village
 58.37816, 27.39386, 2022-08-30
55. *Centaurea jacea* L. EE-0-TU390081
 WS, Estonia, Võru county, Piusa village
 57.83927, 27.46938, 2022-08-21
56. *Centaurea phrygia* L. EE-0-TU390055
 WS, Estonia, Tartu county, Järvelja village
 58.27142, 27.31469, 2022-08-30
57. *Centaurea scabiosa* L. EE-0-TU390097
 WS, Estonia, Tartu county, Ketneri village
 58.16141, 26.42083, 2022-08-03
58. *Centaurea scabiosa* L. EE-0-TU390158
 WS, Estonia, Võru county, Simula village
 57.74081, 27.04926, 2022-08-31
59. *Cirsium palustre* (L.) Scop. EE-0-TU390043
 WS, Estonia, Põlva county, Kikka village
 58.00887, 27.44407, 2022-07-08
60. *Crepis paludosa* (L.) Moench EE-0-TU390096
 WS, Estonia, Tartu county, Järvelja village
 58.27809, 27.32251, 2022-07-23

61. *Eupatorium cannabinum* L. EE-0-TU390033
WS, Estonia, Tartu county, Kallaste
58.65743, 27.16478, 2022-08-20
62. *Gnaphalium sylvaticum* L. EE-0-TU390111
WS, Estonia, Põlva county, Haavapää village
57.98974, 27.28236, 2022-08-27
63. *Hieracium umbellatum* L. EE-0-TU390035
WS, Estonia, Võru county, Rääsolaane village
58.01214, 27.52035, 2022-09-03
64. *Hypochaeris maculata* L. EE-0-TU390092
WS, Estonia, Võru county, Nedsaja village
57.88159, 27.62990, 2022-07-25
65. *Inula britannica* L. EE-0-TU390115
WS, Estonia, Võru county, Audjassaare village
58.04926, 27.60171, 2022-09-03
66. *Pilosella officinarum* F.W.Schultz & Sch.Bip. EE-0-TU390023
WS, Estonia, Tartu county, Elva city
58.22642, 26.41150, 2022-06-27
67. *Senecio jacobaea* L. EE-0-TU390066
WS, Estonia, Saare county, Vilsandi village
58.37851, 21.83267, 2022-09-07
68. *Senecio paludosus* L. EE-0-TU390040
WS, Estonia, Võru county, Lüübnitsa village
58.05701, 27.59600, 2022-08-21
69. *Solidago virgaurea* L. EE-0-TU390042
WS, Estonia, Võru county, Lutepää village
57.91178, 27.65281, 2022-07-25
70. *Tanacetum vulgare* L. EE-0-TU390038
WS, Estonia, Võru county, Audjassaare village
58.04588, 27.59514, 2022-09-03
71. *Tragopogon pratensis* L. EE-0-TU390148
WS, Estonia, Põlva county, Ristipalo village
58.08303, 27.50199, 2022-06-24
72. *Tripleurospermum maritimum* (L.) W.D.J.Koch EE-0-TU390045
WS, Estonia, Saare county, Vilsandi village
58.38154, 21.81334, 2022-09-07

BETULACEAE

73. *Betula humilis* Schrank EE-0-TU390143
WS, Estonia, Võru county, Lüübnitsa village
58.05977, 27.57804, 2022-11-13

BORAGINACEAE

74. *Anchusa arvensis* (L.) M.Bieb. EE-0-TU390039
WS, Estonia, Võru county, Rääsolaane village
58.01216, 27.51887, 2022-08-04
75. *Myosotis scorpioides* L. EE-0-TU390116
WS, Estonia, Võru county, Lüübnitsa village
58.05583, 27.59695, 2022-10-05
76. *Myosotis stricta* Link ex Roem. & Schult. EE-0-TU390150
WS, Estonia, Saare county, Kõruse village
58.44217, 21.95860, 2022-06-11

BRASSICACEAE

77. *Cakile maritima* Scop. EE-0-TU390071
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47466, 21.88994, 2022-09-08
78. *Crambe maritima* L. EE-0-TU390031
WS, Estonia, Saare county, Vilsandi village, Vesiloo
58.39580, 21.83842, 2022-09-07
79. *Draba verna* L. EE-0-TU390146
WS, Estonia, Võru county, Lüübnitsa village
58.05460, 27.59797, 2022-05-15
80. *Erysimum strictum* P.Gaertn., B.Mey. & Scherb. EE-0-TU390030
WS, Estonia, Saare county, Vilsandi village, Vesiloo
58.39923, 21.83425, 2022-09-07
81. *Lepidium latifolium* L. EE-0-TU390064
WS, Estonia, Saare county, Vilsandi village
58.37163, 21.86257, 2022-09-07

CAMPANULACEAE

82. *Campanula patula* L. EE-0-TU390133
WS, Estonia, Rapla county, Vana-Kaiu village
58.97138, 25.13763, 2022-07-19
83. *Campanula rotundifolia* L. EE-0-TU390099
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47521, 21.88824, 2022-09-08
84. *Jasione montana* L. EE-0-TU390069
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47455, 21.88412, 2022-09-08

CAPRIFOLIACEAE

85. *Knautia arvensis* (L.) Coult. EE-0-TU390095
WS, Estonia, Võru county, Rääsolaane village
58.01219, 27.51883, 2022-08-04
86. *Succisa pratensis* Moench EE-0-TU390154
WS, Estonia, Põlva county, Krootuse village
58.08685, 26.87617, 2022-08-31

CARYOPHYLLACEAE

87. *Cerastium fontanum* Baumg. EE-0-TU390036
WS, Estonia, Põlva county, Rahumäe village
58.07236, 27.43742, 2022-07-07
88. *Myosoton aquaticum* (L.) Moench EE-0-TU390117
WS, Estonia, Võru county, Lüübnitsa village
58.05593, 27.59684, 2022-10-05
89. *Scleranthus perennis* L. EE-0-TU390124
WS, Estonia, Võru county, Piusa village
57.84003, 27.46619, 2022-08-21
90. *Silene flos-cuculi* (L.) Greuter & Burdet EE-0-TU390113
WS, Estonia, Tartu county, Järvelja village
58.27349, 27.31589, 2022-07-23
91. *Silene vulgaris* (Moench) Garcke EE-0-TU390051
WS, Estonia, Võru county, Piusa village
57.83950, 27.46843, 2022-08-21
92. *Stellaria holostea* L. EE-0-TU390149
WS, Estonia, Põlva county, Kõnnu village
58.20145, 27.39781, 2022-06-24
93. *Stellaria nemorum* L. EE-0-TU390087
WS, Estonia, Tartu county, Järvelja village
58.27591, 27.32013, 2022-07-23
94. *Viscaria vulgaris* Bernh. EE-0-TU390104
WS, Estonia, Võru county, Piusa village
57.83486, 27.52420, 2022-07-05

DROSERACEAE

95. *Drosera rotundifolia* L. EE-0-TU390079
WS, Estonia, Võru county, Piusa village
57.84395, 27.46575, 2022-08-21

ERICACEAE

96. *Andromeda polifolia* L. EE-0-TU390142
WS, Estonia, Võru county, Lüübnitsa village
58.05952, 27.57827, 2022-11-13

97. *Arctostaphylos uva-ursi* (L.) Spreng. EE-0-TU390109
 WS, Estonia, Võru county, Piusa village
 57.83924, 27.46492, 2022-08-21
98. *Empetrum nigrum* L. EE-0-TU390157
 WS, Estonia, Võru county, Simula village
 57.73882, 27.04501, 2022-08-31
99. *Vaccinium oxycoccos* L. EE-0-TU390144
 WS, Estonia, Võru county, Lüübnitsa village
 58.05957, 27.57782, 2022-11-13

FABACEAE

100. *Lathyrus japonicus* subsp. *maritimus* (L.) P.W.Ball EE-0-TU390073
 WS, Estonia, Saare county, Kõruse-Metsaküla,
 Harilaid
 58.47476, 21.89064, 2022-09-08
101. *Lathyrus sylvestris* L. EE-0-TU390034
 WS, Estonia, Võru county, Rääsolaane village
 58.01200, 27.51845, 2022-08-04
102. *Lathyrus vernus* (L.) Bernh. EE-0-TU390105
 WS, Estonia, Tartu county, Järvelja village
 58.27071, 27.32736, 2022-07-23
103. *Medicago lupulina* L. EE-0-TU390121
 WS, Estonia, Võru county, Lüübnitsa village
 58.07166, 27.56824, 2022-07-24
104. *Trifolium aureum* Pollich EE-0-TU390123
 WS, Estonia, Võru county, Piusa village
 57.84376, 27.46708, 2022-08-21
105. *Trifolium fragiferum* L. EE-0-TU390063
 WS, Estonia, Saare county, Vilsandi village
 58.37168, 21.86261, 2022-09-07
106. *Trifolium montanum* L. EE-0-TU390080
 WS, Estonia, Võru county, Piusa village
 57.83946, 27.46837, 2022-08-21
107. *Vicia cracca* L. EE-0-TU390122
 WS, Estonia, Põlva county, Kõnnu village
 58.20122, 27.41235, 2022-09-10
108. *Vicia sepium* L. EE-0-TU390106
 WS, Estonia, Põlva county, Rahumäe village
 58.07244, 27.43708, 2022-07-07

GENTIANACEAE

109. *Centaurium erythraea* Rafn EE-0-TU390078
 WS, Estonia, Võru county, Piusa village
 57.84442, 27.46750, 2022-08-21

GERANIACEAE

110. *Erodium cicutarium* (L.) L`Hér. EE-0-TU390082
WS, Estonia, Võru county, Rääsolaane village
58.01202, 27.51944, 2022-09-03
111. *Geranium palustre* L. EE-0-TU390147
WS, Estonia, Tartu county, Vana-Kastre village
58.35689, 26.89744, 2022-08-30
112. *Geranium sylvaticum* L. EE-0-TU390135
WS, Estonia, Rapla county, Linnaaluste village
58.95159, 24.95014, 2022-07-18

LAMIACEAE

113. *Leonurus cardiaca* L. EE-0-TU390025
WS, Estonia, Võru county, Lüübnitsa village
58.05665, 27.59604, 2022-10-05
114. *Lycopus europaeus* L. EE-0-TU390028
WS, Estonia, Võru county, Audjassaare village
58.04931, 27.60172, 2022-10-05
115. *Stachys palustris* L. EE-0-TU390088
WS, Estonia, Tartu county, Kallaste city
58.65649, 27.16496, 2022-08-20
116. *Stachys sylvatica* L. EE-0-TU390083
WS, Estonia, Põlva county, Kõnnu village
58.20383, 27.37794, 2022-09-10

LINACEAE

117. *Linum catharticum* L. EE-0-TU390085
WS, Estonia, Rapla county, Linnaaluste village
58.95094, 24.94640, 2022-07-18

LYTHRACEAE

118. *Lythrum salicaria* L. EE-0-TU390119
WS, Estonia, Võru county, Lüübnitsa village
58.05506, 27.59822, 2022-10-05

MENYANTHACEAE

119. *Menyanthes trifoliata* L. EE-0-TU390089
WS, Estonia, Rapla county, Põllu village
58.86371, 24.98558, 2022-07-18

PAPAVERACEAE

120. *Chelidonium majus* L. EE-0-TU390129
WS, Estonia, Ida-Viru county, Narva-Jõesuu city
59.44614, 28.01963, 2022-07-02

PLANTAGINACEAE

121. *Linaria vulgaris* Mill. EE-0-TU390072
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47301, 21.87376, 2022-09-08
122. *Plantago lanceolata* L. EE-0-TU390137
WS, Estonia, Rapla county, Põllu village
58.84459, 24.95300, 2022-07-18
123. *Plantago maritima* L. EE-0-TU390076
WS, Estonia, Saare county, Kõruse-Metsaküla,
Harilaid
58.47401, 21.88358, 2022-09-08

POLEMONIACEAE

124. *Polemonium caeruleum* L. EE-0-TU390044
WS, Estonia, Põlva county, Kõnnu village
58.20254, 27.39838, 2022-09-10

PRIMULACEAE

125. *Glaux maritima* L. EE-0-TU390062
WS, Estonia, Saare county, Vilsandi village
58.37144, 21.86288, 2022-09-07
126. *Trientalis europaea* L. EE-0-TU390098
WS, Estonia, Võru county, Sesniki village
57.89042, 27.66058, 2022-08-05

RANUNCULACEAE

127. *Anemone nemorosa* L. EE-0-TU390022
WS, Estonia, Pärnu county, Nedrema village
58.53847, 24.07582, 2022-06-12
128. *Ranunculus repens* L. EE-0-TU390114
WS, Estonia, Põlva county, Rahumäe village
58.07231, 27.43708, 2022-07-07
129. *Trollius europaeus* L. EE-0-TU390132
WS, Estonia, Rapla county, Vana-Kaiu village
58.97325, 25.14447, 2022-07-19

ROSACEAE

130. *Agrimonia eupatoria* L. EE-0-TU390027
WS, Estonia, Võru county, Audjassaare village
58.05352, 27.59908, 2022-10-05
131. *Filipendula vulgaris* Moench EE-0-TU390103
WS, Estonia, Põlva county, Sarvemäe village
57.98534, 27.26486, 2022-08-27
132. *Potentilla argentea* L. EE-0-TU390126
WS, Estonia, Võru county, Õrsava village
57.93016, 27.65592, 2022-07-25
133. *Potentilla erecta* (L.) Raeusch EE-0-TU390061
WS, Estonia, Saare county, Viidu village
58.29623, 22.08652, 2022-09-06
134. *Potentilla palustris* (L.) Scop. EE-0-TU390058
WS, Estonia, Põlva county, Meerapalu village
58.36932, 27.41610, 2022-08-30

RUBIACEAE

135. *Galium odoratum* (L.) Scop. EE-0-TU390048
WS, Estonia, Põlva county, Mägiotsa village
58.18701, 27.34815, 2022-09-10

2) Seeds collected in our garden

MONILOPHYTA / POLYPODIOPSISIDA

ASPLENIACEAE

136. *Asplenium adulterinum* Milde ✱
Z, Slovakia, bei Kosice, Sedice / Chemnitz 2018
137. *Asplenium platyneuron* (L.) Britton, Sterns & Poggenb. ✱
Z, USA, MI, Shiawassee county, 42°48'24"N
84°22'18"W 253 m Intermittent Wetland, Site:
Vermillion Creek Bri / East Lansing 2018
138. *Asplenium scolopendrium* L. ✱
139. *Asplenium septentrionale* (L.) Hoffm. ✱ EE-0-TU-2009-0451-1
Z, Estonia, Prangli Island, 2009

ATHYRIACEAE

140. *Athyrium otophorum* var. *okanum* Sa.Kurata ✱
141. *Athyrium sinense* Rupr. ✱
142. *Athyrium spinulosum* (Maxim.) Milde ✱
143. *Athyrium vidalii* (Franch. & Sav.) Nakai ✱

144. *Deparia conilii* (Franch. & Sav.) M.Kato ✨
 145. *Diplazium sibiricum* (Turcz. ex Kunze) Sa.Kurata ✨
 Z, Russia, Altai

BLECHNACEAE

146. *Struthiopteris spicant* (L.) Weiss ✨

CYSTOPTERIDACEAE

147. *Cystopteris bulbifera* (L.) Bernh. ✨
 148. *Cystopteris fragilis* (L.) Bernh. ✨
 149. *Cystopteris sudetica* A.Braun & Milde ✨ EE-0-TU-A-2019-2128
 Z, Estonia, Ida-Viru County, Ontika, Klint forest,
 2015
 150. *Cystopteris ×laurentiana* (Weath.) Blasdell ✨
 Z, USA, Wisconsin / Chemnitz 2020
 151. *Gymnocarpium dryopteris* (L.) Newman ✨ EE-0-TU-A-2014-0748
 Z, Estonia, Tartu County, Vooremäe, 2012
 152. *Gymnocarpium fedtschenkoanum* Pojark. ✨
 Z, Pakistan, Shish Kush Chatral / Chemnitz 2018
 153. *Gymnocarpium robertianum* (Hoffm.) Newman ✨ EE-0-TU-A-2014-0758
 Z, Estonia, Saare County, Ninase, 2012

DENNSTAEDTIACEAE

154. *Dennstaedtia wilfordii* (T.Moore) H.Christ ✨

DRYOPTERIDACEAE

155. *Cyrtomium fortunei* J.Sm. ✨
 156. *Dryopteris ardechensis* Fraser-Jenk. ✨
 Z, S-Frankreich, Cevennen, Luech-Tal / Chemnitz
 2018
 157. *Dryopteris clintoniana* (D.C.Eat.) Dowell ✨
 158. *Dryopteris crassirhizoma* Nakai ✨
 159. *Dryopteris cristata* (L.) A.Gray ✨ EE-0-TU-A-2018-1056
 Z, Estonia, Pärnu County, Jäärja, fen, 2017
 160. *Dryopteris dilatata* (Hoffm.) A.Gray ✨
 161. *Dryopteris erythrosora* (D.C.Eaton) Kuntze ✨
 162. *Dryopteris goldieana* (Hook. ex Goldie) A.Gray ✨
 163. *Dryopteris hondoensis* Koidz. ✨
 164. *Dryopteris intermedia* (Muhl. ex Willd.) A.Gray ✨
 Z, Canada: Québec: MRC Vaudreuil-Soulanges:
 L'Île Perrot. Forêt feuillue. ca 30 m. / Montreal 2016

165. *Dryopteris lacunosa* S.Jess., Zenner, Chr.Stark & Bujnoch *
Z, Schweiz, Tessin, bei Bellinzona, Carasso, 400 m /
Chemnitz 2018
166. *Dryopteris marginalis* (L.) A.Gray *
167. *Dryopteris pseudofilix-mas* (Fée) Rothm. *
168. *Dryopteris sieboldii* (T.Moore) Kuntze *
169. *Dryopteris stewartii* Fraser-Jenk. *
170. *Polystichum acrostichoides* (Michx.) Schott *
171. *Polystichum aculeatum* (L.) Roth *
172. *Polystichum andersonii* Hopkins *
Z, Canada, British Columbia, Garibaldi Parc /
Chemnitz 2018
173. *Polystichum braunii* (Spenn.) Fée *
174. *Polystichum lonchitis* (L.) Roth *
175. *Polystichum luctuosum* (Kunze) T.Moore *
176. *Polystichum makinoi* (Tagawa) Tagawa *
177. *Polystichum neolobatum* Nakai *
Z, China, Yunnan, Jade Dragon Snow Mts., Lijiang,
ca. 3000 m / Chemnitz 2018
178. *Polystichum rigens* Tagawa *
179. *Polystichum setiferum* (Forssk.) T.Moore ex Woyn. *
180. *Polystichum setigerum* (C.Presl) C.Presl *
181. *Polystichum tripterum* (Kunze) C.Presl *
Z, Russia

PTERIDACEAE

182. *Adiantum venustum* D.Don *
183. *Pteris vittata* L. *

THELYPTERIDACEAE

184. *Phegopteris connectilis* (Michx.) Watt * EE-0-TU-A-2021-1681
Z, Estonia, Tartu County, Pühaste, 2018
185. *Thelypteris decursive-pinnata* (H.C.Hall) Ching *

WOODSIACEAE

186. *Woodsia obtusa* (Spreng.) Torr. *

CONIFEROPHYTA / PINOPSIDA

PINACEAE

187. *Pinus koraiensis* Siebold et Zucc.

ANTHOPHYTA / MONOCOTYLEDONAE

AMARYLLIDACEAE

188. *Agapanthus praecox* subsp. *orientalis* (F.M.Leight.) F.M.Leight.
189. *Allium aflatunense* B.Fedtsch.
190. *Allium amplectens* Torr.
191. *Allium atropurpureum* Waldst. & Kit.
192. *Allium auctum* Omelczuk UA-0-TU-2007-0451-1
Z, Ukraine, Tauria, Aju-Dag, 1980
193. *Allium cassium* Boiss.
194. *Allium cernuum* Roth
195. *Allium chloranthum* Boiss.
196. *Allium cristophii* Trautv.
197. *Allium cyathophorum* var. *farreri* (Stearn) Stearn
198. *Allium darwasicum* Regel
199. *Allium flavum* L.
200. *Allium grande* Lipsky
Z, Russia, Dagestan, Mahatshkala
201. *Allium hymenorhizum* Ledeb.
202. *Allium insubricum* Boiss. & Reut.
203. *Allium karataviense* Regel
204. *Allium ledebourianum* Schult. & Schult.f.
205. *Allium lenkoranicum* Misch. ex Grossh.
206. *Allium lipskyanum* Vved.
207. *Allium lycaonicum* Siehe ex Hayek
208. *Allium moly* L.
209. *Allium nevii* S.Watson
210. *Allium oleraceum* L. EE-0-TU-2007-0453-1
Z, Estonia, West Estonian islands
211. *Allium orientale* Boiss.
212. *Allium platycaule* S.Watson
213. *Allium pseudowinklerianum* R.M.Fritsch & F.O.Khass.
214. *Allium pskemense* B.Fedtsch.
215. *Allium rosenbachianum* Regel
216. *Allium rotundum* subsp. *jajlae* (Vved.) B.Mathew
217. *Allium sarawschanicum* Regel
218. *Allium schoenoprasum* L. EE-0-TU-A-2016-1091
Z, Estonia, Saare County, Mullutu, 2015
219. *Allium schubertii* Zucc.
220. *Allium stellatum* Nutt. ex Ker Gawl.
221. *Allium unifolium* Kellogg
222. *Allium wallichii* Kunth
223. *Allium woronowii* Misch. ex Grossh.

- 224. *Allium woronowii* Miscz. ex Grossh. white form
- 225. *Allium zebdanense* Boiss. & Noë
- 226. *Leucojum aestivum* L.
- 227. *Nectaroscordum siculum* (Ucria) Lindl.
- 228. *Nectaroscordum tripedale* (Trautv.) Traub

ARACEAE

- 229. *Arisaema amurense* Maxim. ✱
- 230. *Arisaema ciliatum* H.Li
Z, Nepal, 1600 m / Utrecht 1999
- 231. *Arisaema dracontium* (L.) Schott
- 232. *Arisaema triphyllum* (L.) Schott ✱
- 233. *Arum orientale* M.Bieb.
- 234. *Symplocarpus renifolius* Schott ex Tzvelev ✱ RU-0-TU-1987-0076-1
Z, Russia, Sakhalin Reg., Lyutoga R., 1987

ARECACEAE

- 235. *Chamaedorea oblongata* Mart.
- 236. *Ptychosperma elegans* (R.Br.) Blume
- 237. *Sabal minor* (Jacq.) Pers.

ASPARAGACEAE

- 238. *Arthropodium cirratum* (G.Forst.) R.Br.
- 239. *Asparagus maritimus* (L.) Mill.
- 240. *Barnardia japonica* (Thunb.) Schult. & Schult.f.
- 241. *Bellevalia paradoxa* (Fisch. & C.A.Mey.) Boiss.
- 242. *Bellevalia pycnantha* (K.Koch) Losinsk.
- 243. *Chlorophytum madagascariense* Baker
- 244. *Chlorophytum orchidastrum* Lindl.
- 245. *Hosta minor* (Baker) Nakai
- 246. *Hyacinthoides non-scripta* (L.) Chouard ex Rothm.
- 247. *Maianthemum racemosum* (L.) Link
- 248. *Muscari armeniacum* Leichtlin ex Baker
- 249. *Muscari azureum* Fenzl 'Album'
- 250. *Muscari latifolium* J.Kirk
- 251. *Muscari neglectum* Guss. ex Ten.
- 252. *Ornithogalum longibracteatum* Jacq.
- 253. *Paradisea liliastrum* (L.) Bertol.
- 254. *Polygonatum biflorum* (Walter) Elliott ✱
- 255. *Polygonatum curvistylum* Hua
- 256. *Polygonatum odoratum* var. *pluriflorum* (Miq.) Ohwi
- 257. *Polygonatum prattii* Baker

258. *Polygonatum verticillatum* (L.) All.

ASPHODELACEAE

259. *Hemerocallis middendorffii* Trautv. & C.A.Mey. RU-0-TU-1994-0129-1
Z, Russia, Habarovsk Reg., Sichote-Alin Mts.,
Udomi, 1987

BROMELIACEAE

260. *Acanthostachys strobilacea* (Schult. & Schult.f.) Klotzsch

261. *Aechmea nudicaulis* (L.) Griseb.
Z, Brazil, Bahia.Mun.Camaca, Estrada BR101/
Utrecht 2012

262. *Billbergia alfonsi-joannis* Reitz

COLCHICACEAE

263. *Disporum uniflorum* Baker

264. *Disporum viridescens* (Maxim.) Nakai

COMMELINACEAE

265. *Commelina dianthifolia* Redouté

266. *Tradescantia Andersoniana* Group

COSTACEAE

267. *Costus dubius* (Afzel.) K.Schum. XX-0-AMD-19780085

268. *Costus pulverulentus* C.Presl XX-0-KIEL-2013 1272 - 70 - 300

CYPERACEAE

269. *Carex* 'Majken'

270. *Carex aurea* Nutt.

271. *Carex bohémica* Schreb.

272. *Carex comans* Berggr. bronze form

273. *Carex flava* L. EE-0-TU-A-2018-0481

Z, Estonia, Põlva County, Rahumäe, 58.0739°,
27.4343°, 10.05.2017

274. *Carex grayi* J.Carey

275. *Carex montana* L. EE-0-TU-A-2019-1658

Z, Estonia, Rapla County, Vaimõisa 58.95582,
24.47088, 2018

276. *Carex pulicaris* L. EE-0-TU-A-2021-1270

Z, Estonia, Pärnu County, Nedrema, 2018

DIOSCOREACEAE

277. *Dioscorea caucasica* Lipsky

IRIDACEAE

278. *Crocus angustifolius* Weston
279. *Crocus versicolor* Ker Gawl.
280. *Iris aphylla* L.
281. *Iris domestica* (L.) Goldblatt & Mabb.
282. *Iris graminea* L.
283. *Iris latifolia* (Mill.) Voss
284. *Iris maackii* Maxim.
285. *Iris prismatica* Pursh
286. *Iris reichenbachii* Heuff.
287. *Iris sintenisii* Janka bg0u-2003BL01006
Z, Bulgaria , Black Sea coast, Perla N of Primorsko
village., Alt.: 2 m. *2017 / Utrecht 2018
288. *Iris tectorum* Maxim.
289. *Iris variegata* L.
290. *Iris zenaidae* (Vved.) F.O.Khass. & Rakhimova
Z, Kyrgyzstan, Fergana mts., Kugart valley
291. ×*Pardancanda norrisii* L.W.Lenz

JUNCACEAE

292. *Luzula nivea* (Nathh.) DC.
293. *Luzula sylvatica* (Huds.) Gaudin 'Marginata'

LILIACEAE

294. *Cardiocrinum cordatum* var. *glehnii* (F.Schmidt) H.Hara RU-0-TU-2005-0237-1
Z, Russia, Sachalin I., Holmsk, 1987
295. *Fritillaria graeca* subsp. *thessala* (Boiss.) Rix
296. *Fritillaria involucrata* All.
297. *Fritillaria montana* Hoppe ex W.D.J.Koch
298. *Fritillaria pallidiflora* Schrenk ex Fisch. & C.A.Mey.
299. *Fritillaria raddeana* Regel
300. *Fritillaria sewerzowii* Regel
301. *Lilium amabile* Palib.
302. *Lilium maculatum* Thunb.
Z, Miura-shi / Tokyo 2017
303. *Lilium martagon* L.
304. *Lilium martagon* var. *album* Weston
305. *Lilium pumilum* Redouté
306. *Ornithogalum pyrenaicum* L.
307. *Ornithogalum sphaerocarpum* A.Kern.
308. *Prosartes smithii* (Hook.) Utech, Shinwari & Kawano

309. *Tulipa karabachensis* Grossh.
 310. *Tulipa tarda* Stapf
 311. *Tulipa urumiensis* Stapf

MELANTHIACEAE

312. *Anticlea elegans* (Pursh) Rydb.
 313. *Helonias bullata* L. ✱

POACEAE

314. *Anthoxanthum odoratum* L. EE-0-TU-A-2019-1635
 Z, Estonia, Põlva County, Koorvere, 2018
315. *Anthoxanthum odoratum* L. CZ 0 HBT 2017.03784
 Z, Czech Republic, Třeboň region, Stará Hlína:
 fishpond Starý Vdovec / Trebon 2017
316. *Bouteloua curtipendula* (Michx.) Torr.
 317. *Chloris barbata* Sw.
 318. *Chrysopogon gryllus* (L.) Trin.
 319. *Elymus virginicus* L.
 320. *Eragrostis spectabilis* (Pursh) Steud.
 321. *Festuca airoides* Lam.
 322. *Festuca amethystina* L.
 323. *Festuca eskia* Ramond ex DC.
 324. *Melinis repens* (Willd.) Zizka
 Z, RSA, Western Cape, 13 km NW of Kleinpoort,
 2018 / Praha Univ 2019
325. *Phleum phleoides* (L.) H.Karst. EE-0-TU-A-2015-0617
 Z, Estonia, Saare County, Nasva, Loodetammik,
 2012
326. *Phleum pratense* subsp. *bertolonii* (DC.) Bornm. EE-0-TU-A-2015-0676
 Z, Estonia, Võru County, Haanja, 2014
327. *Poa badensis* Haenke ex Willd.
 328. *Stipa joannis* Čelak.
 329. *Stipa pennata* L.
 330. *Themeda triandra* Forssk.

TOFIELDIACEAE

331. *Tofieldia calyculata* (L.) Wahlenb.

XANTHORRHOEACEAE

332. *Eremurus fuscus* (O.Fedtsch.) Vved.
 333. *Eremurus himalaicus* Baker
 334. *Eremurus xisabellinus* P.Vilm.
 335. *Phormium colensoi* Hook.f.

ANTHOPHYTA / EUDICOTYLEDONAE

ACANTHACEAE

336. *Megaskepasma erythrochlamys* Lindau

AIZOACEAE

337. *Carpanthea pomeridiana* (L.) N.E.Br. XX-0-ROST-2011-F-5108
338. *Tetragonia tetragonoides* (Pall.) Kuntze XX-0-SIENA-01277

AMARANTHACEAE

339. *Amaranthus aureus* F.Dietr. XX-0-CLA-1206
340. *Amaranthus caudatus* L. XX-0-HOH-SYS-10854
341. *Blitum bonus-henricus* (L.) Rchb.
342. *Dysphania botrys* (L.) Mosyakin & Clemants
343. *Gomphrena globosa* L.
344. *Gomphrena haageana* Klotzsch
345. *Gomphrena serrata* L.
346. *Hablitzia tamnoides* M.Bieb.
347. *Pleuropetalum darwinii* Hook.f. XX-0-LZ-ZG-1-2005
348. *Polycnemum arvense* L. XX-0-GIESS-0-U-558
349. *Teloxys aristata* (L.) Moq.

ANNONACEAE

350. *Annona senegalensis* Pers.

APIACEAE

351. *Agasyllis latifolia* (M.Bieb.) Boiss. GE-0-BONN-37036
352. *Angelica acutiloba* (Siebold & Zucc.) Kitag. XX-0-UNKAR-2012-2561
353. *Angelica archangelica* L.
354. *Angelica gigas* Nakai
355. *Anthriscus cerefolium* (L.) Hoffm.
356. *Astrantia major* L.
357. *Athamanta cretensis* L.
358. *Bifora radians* M.Bieb.
359. *Bowlesia incana* Ruiz & Pav. XX-0-TAL-19990518
360. *Bupleurum aureum* Fisch. ex Hoffm. RU-0-TU-1992-0001-2
Z, Russia, Altai Mts., Edigan, 800 m, 51.08N
86.30E, 1992
361. *Bupleurum longifolium* L.
Z, France, Bannans Doubs / Paris Nat. Museum 2007
362. *Bupleurum rotundifolium* L.
363. *Carum carvi* L.

364. *Coriandrum sativum* L.
 365. *Eryngium agavifolium* Griseb.
 366. *Eryngium alpinum* L.
 367. *Eryngium giganteum* M.Bieb.
 368. *Lagoecia cuminoides* L.
 369. *Laserpitium latifolium* L. EE-0-TU-A-2017-1063
 Z, Estonia, Saare County, Tõnija, 2016
 370. *Meum athamanticum* Jacq.
 371. *Molopospermum peloponnesiacum* (L.) W.D.J.Koch
 372. *Myrrhis odorata* (L.) Scop.
 373. *Orlaya grandiflora* (L.) Hoffm.
 374. *Prangos trifida* (Mill.) Herrnst. & Heyn
 375. *Scandix pecten-veneris* L. XX-0-NGOET-3498
 376. *Trachymene pilosa* Sm. XX-0-BRAUN-7205063
 377. *Trachyspermum ammi* (L.) Sprague
 378. *Xanthogalum purpurascens* Avé-Lall.
 379. *Zizia aurea* (L.) W.D.J.Koch US-0-DR-013209

APOCYNACEAE

380. *Acokanthera oblongifolia* (Hochst.) Benth. & Hook.f. ex B.D.Jacks.
 381. *Amsonia tabernaemontana* Walter
 382. *Apocynum androsaemifolium* L.
 Z, USA, Michigan / Weinheim 2019
 383. *Apocynum cannabinum* L.
 384. *Asclepias curassavica* L.
 385. *Asclepias incarnata* L.
 386. *Gomphocarpus physocarpus* E.Mey.
 387. *Vincetoxicum scandens* Sommier & Levier

ARALIACEAE

388. *Eleutherococcus setchuenensis* (Harms ex Diels) Nakai
 Z, 1985/11472 China: Quinling Shan, Shaanxi prov.;
 1600 m a.s.l. / Rogow 2015

ARISTOLOCHIACEAE

389. *Aristolochia clematitis* L.
 390. *Aristolochia tribolata* L.
 391. *Saruma henryi* Oliv.

ASTERACEAE

392. *Achillea alpina* L.
 393. *Achillea macrophylla* L.

394. *Achyrrachaena mollis* Schauer XX-0-MJG-19--47920
395. *Acmella oleracea* (L.) R.K.Jansen
396. *Adenostyles alpina* (L.) Bluff & Fingerh.
Z, Monte Ventasso, Ventasso (RE), 1350m / Parma
2019
397. *Ageratum houstonianum* Mill. XX-0-TUEB-9103
398. *Amberboa moschata* (L.) DC.
399. *Anacyclus pyrethrum* (L.) Lag.
400. *Arnica angustifolia* subsp. *tomentosa* (J.M.Macoun) G.W.Douglas &
Ruyle-Dougl.
401. *Berlandiera lyrata* Benth. XX-0-BERN-2004/310 G S
402. *Carlina vulgaris* subsp. *intermedia* (Schur) Hayek EE-0-TU-19-W072
Z, Estonia, Lääne County, Palivere, 2019
403. *Carpesium cernuum* L.
404. *Carpesium macrocephalum* Franch. & Sav.
405. *Carthamus lanatus* L.
406. *Caucasalia pontica* (K.Koch) Greuter
407. *Centaurea atropurpurea* Olivier RO-0-CLA-1818
Z, RO, Danube Gorge at the Iron Gates, 164 m /
Cluj-Napoca Agro 2019
408. *Centaurea benedicta* (L.) L.
409. *Centratherum punctatum* Cass. IN-0-GZU-YY 150397
410. *Cirsium pannonicum* (L.f.) Link
Z, Komarów-Osada / Warsaw 2019
411. *Cladanthus arabicus* (L.) Cass.
412. *Cladanthus mixtus* (L.) Chevall.
413. *Coleostephus myconis* (L.) Rchb.f. FR-0-DR-016451
414. *Coreopsis basalis* (A.Dietr.) S.F.Blake
415. *Coreopsis tinctoria* Nutt.
416. *Coreopsis tripteris* L.
417. *Cosmos bipinnatus* Cav.
418. *Cosmos sulphureus* Cav.
419. *Crepis rubra* L. XX-0-BERN-2006/462
420. *Crupina vulgaris* (Pers.) Cass. RO-0-IAGB20121424W
421. *Echinops* 'Arctic Glow'
422. *Echinops ritro* subsp. *ruthenicus* (Bieb.) Nyman 'Platinum Blue'
423. *Emilia coccinea* (Sims) G.Don
424. *Erigeron borealis* (Vierh.) Simmons
425. *Eurybia sibirica* (L.) G.L.Nesom
426. *Eutrochium fistulosum* (Barratt) E.E.Lamont 'Album'
427. *Felicia bergeriana* (Spreng.) O.Hoffm. ex Zahlbr.

428. *Felicia heterophylla* (Cass.) Grau ZA-0-DUSS-6833
Z, Südafrika / Düsseldorf 2021
429. *Flaveria trinervia* (Spreng.) C.Mohr
430. *Gaillardia aristata* Pursh
431. *Geropogon hybridus* (L.) Sch.Bip.
432. *Helenium amarum* (Raf.) H.Rock
433. *Helenium aromaticum* (Hook.) L.H.Bailey
434. *Helenium puberulum* DC. xx-0-DR-004255
435. *Helianthella quinquenervis* (Hook.) A.Gray
436. *Heterotheca villosa* (Pursh) Shinnery US-0-GIESS-2002-J-605
437. *Hymenoxys hoopesii* (A.Gray) Bierner
438. *Japonicalia delphiniifolia* (Siebold & Zucc.) C.Ren & Q.E.Yang
439. *Koelpinia linearis* Pall.
440. *Layia platyglossa* (Fisch. & C.A.Mey.) A.Gray
441. *Leibnitzia anandria* (L.) Turcz. XX-0-REYK-2016-0268
442. *Liatris ligulistylis* (A.Nelson) K.Schum.
443. *Liatris spicata* (L.) Willd.
444. *Ligularia alpigena* Pojark.
Z, Tadžikistan: Pamiir, Badachschan, 1400-4400 m /
Reykjavik 2010
445. *Ligularia stenocephala* (Maxim.) Matsum. et Koidz. 'Little Rocket'
446. *Lindheimera texana* A.Gray
447. *Lonas annua* (L.) Vines & Druce
448. *Machaeranthera tanacetifolia* (Kunth) Nees XX-0-MJG-199701509
449. *Madia elegans* D.Don
450. *Madia sativa* Molina
451. *Mantiscalca salmantica* (L.) Briq. & Cavill. FR-0-P-2019g158
Z, France, Viols le Fort (34) les Matelettes, 242 m. /
Paris Nat. Museum 2019
452. *Melampodium divaricatum* (Rich.) DC.
453. *Monoculus hyoseroides* (DC.) B.Nord.
454. *Noticastrum diffusum* (Pers.) Cabrera AR-0-B-1210497
Z, AR: Provinz Buenos Aires; südlich Sierra de
Tandil, Tandil / Hamburg 2022
455. *Oncosiphon grandiflorus* (Thunb.) Källersjö ZA:0:SBT:V:23334
Z, South Africa, Graafwater, West Coast / Stockholm
2022
456. *Onopordum acanthium* L.
457. *Parasenecio hastatus* (L.) H.Koyama
458. *Pilosella aurantiaca* (L.) F.W.Schultz & Sch.Bip.
459. *Pilosella caespitosa* (Dumort.) P.D.Sell & C.West EE-0-TU-A-2018-0383
Z, Estonia, Võru County, Meelaku, 2017

460. *Porophyllum tagetoides* (Kunth) DC. XX-0-Z-20190117
461. *Prenanthes purpurea* L. CH0Z-20130952
Z, Switzerland, Alt St. Johann SG, Churfirsten, 1500
m / Zürich Univ 2014
462. *Rhagadiolus stellatus* (L.) Gaertn.
463. *Rhodanthe humboldtiana* (Gaudich.) Paul G.Wilson
464. *Rudbeckia amplexicaulis* Vahl
465. *Rudbeckia laciniata* L.
466. *Rudbeckia maxima* Nutt.
467. *Rudbeckia occidentalis* Nutt. XX-0-BRNU-2017-01320
468. *Rudbeckia triloba* L. 'Prairie Glow'
469. *Rudbeckia triloba* L.
470. *Sanvitalia procumbens* Lam. XX-0-IAGB198310362G
471. *Saussurea riederi* Herder
472. *Schkuhria pinnata* (Lam.) Kuntze
473. *Senecio elegans* L.
474. *Sigesbeckia orientalis* L.
475. *Silphium integrifolium* Michx.
476. *Silphium perfoliatum* L.
477. *Silybum marianum* (L.) Gaertn.
478. *Sinacalia tangutica* (Maxim.) B.Nord.
479. *Solidago multiradiata* Aiton US-0-NCY-20138165W
Z, Etats-Unis, Washington, Cascades, Skiline Divide,
2042 m / Nancy 2021
480. *Solidago ptarmicoides* (Torr. & A.Gray) B.Boivin
481. *Steirodiscus tagetes* (L.) Schltr.
482. *Tagetes lucida* Cav. xx-0-DR-004236
483. *Tagetes tenuifolia* Cav. xx-0-DR-004235
484. *Tanacetum corymbosum* (L.) Sch.Bip.
485. *Thelesperma burridgeanum* S.F.Blake
486. *Thymophylla tenuiloba* (DC.) Small
487. *Tithonia rotundifolia* (Mill.) S.F.Blake
488. *Tolpis barbata* (L.) Gaertn.
489. *Tridax trilobata* (Cav.) Hemsl.
490. *Verbesina alata* L. XX-0-MJG-199707710
491. *Volutaria muricata* (L.) Maire XX-0-DR-013809
492. *Xanthisma texanum* DC.
493. *Xanthium strumarium* L. AT-0-WU-0030662
Z, AT; region Seewinkel, town Apetlon; 36°43.4'N
4°23.2'E / Brno Univ Masaryk 2021
494. *Xeranthemum annuum* L.
495. *Xeranthemum cylindraceum* Sibth. & Sm. XX-1-LJU-G-555-630

496. *Xerochrysum bracteatum* (Vent.) Tzvelev XX-0-Z-20170958
 497. *Zinnia angustifolia* Kunth MX-0-DR-004230
 498. *Zinnia haageana* Regel
 499. *Zinnia peruviana* (L.) L.

BASELLACEAE

500. *Basella alba* L. 'Rosebud'

BERBERIDACEAE

501. *Caulophyllum robustum* Maxim. RU-0-TU-1984-0002-1
 Z, Russia, Primorsk Reg., 1985
 502. *Caulophyllum thalictroides* (L.) Michx.
 503. *Diphylleia cymosa* Michx.
 504. *Vancouveria hexandra* (Hook.) C.Morren & Decne.

BETULACEAE

505. *Betula chichibuensis* H.Hara
 Z, Republic of Korea, Mt.Chiak-san, Won-Ju
 (2n=84) / Ness 2015

BIGNONIACEAE

506. *Incarvillea compacta* Maxim.
 507. *Incarvillea mairei* (H.Lév.) Grierson
 508. *Incarvillea olgae* Regel

BORAGINACEAE

509. *Arnebia pulchra* (Willd. ex Roem. & Schult.) J.R.Edm.
 510. *Cynoglossum germanicum* Jacq. DE-0-HAL-143029_1
 511. *Cynoglossum officinale* L. EE-0-TU-A-2015-0624
 Z, Estonia, Hiiu County, Haldi, 58.8069°, 22.4397°,
 27.08.2008
 512. *Eritrichium canum* (Benth.) Kitam. XX-0-KIEL-2003 0457-70
 513. *Hydrophyllum canadense* L.
 514. *Omphalodes linifolia* (L.) Moench
 515. *Phacelia tanacetifolia* Benth. XX-0-BRAUN-7931156
 516. *Pontechium maculatum* (L.) Böhle & Hilger
 517. *Trachystemon orientalis* (L.) D.Don

BRASSICACEAE

518. *Conringia orientalis* (L.) Dumort.
 519. *Crambe cordifolia* Steven
 520. *Draba paysonii* var. *treleasii* (O.E.Schulz) C.L.Hitchc. CA-0-M-1978/0657
 Z, Canada, central Alberta / München 2020

521. *Draba sauteri* Hoppe
522. *Fibigia clypeata* (L.) Medik. TR-0-M-2010/2484
Z, Turkey, Bolkar Dag / Plzen 2020
523. *Hesperis matronalis* L.
524. *Iberis amara* L.
525. *Iberis pinnata* L.
526. *Isatis glauca* Aucher ex Boiss.
527. *Noccaea caerulescens* (J.Presl & C.Presl) F.K.Mey.
528. *Noccaea densiflora* (Boiss. & Kotschy) F.K.Mey.
529. *Sisymbrium luteum* (Maxim.) O.E.Schulz
530. *Succowia balearica* (L.) Medik.

CACTACEAE

531. *Opuntia macrorhiza* Engelm.

CAMPANULACEAE

532. *Campanula cervicaria* L. EE-0-TU-A-2015-0601
Z, Estonia, Saare County, Nasva, Loodetammik,
2012
533. *Campanula glomerata* L. EE-0-TU-A-2016-0744
Z, Estonia, Ida-Viru County, Toila, 2013
534. *Campanula hofmannii* (Pantan.) Greuter & Burdet
535. *Campanula rapunculoides* L.
536. *Campanula rotundifolia* L. EE-0-TU-A-2019-2116
Z, Estonia, Põlva County, Kiidjärve, 2014
537. *Campanula takesimana* Nakai
538. *Campanula thyrsooides* L. XX0TR20060266
539. *Codonopsis lanceolata* (Siebold & Zucc.) Benth. & Hook.f. ex Trautv.
540. *Codonopsis pilosula* (Franch.) Nannf.
541. *Legousia falcata* (Ten.) Fritsch ex Janch.
542. *Legousia hybrida* (L.) Delarbre DE-0-NGOET-7253
Z, Deutschland, Gotha (Kreis), Goldbach, Acker /
Georg-August-Univ 2022
543. *Legousia speculum-veneris* (L.) Chaix
544. *Lobelia inflata* L. XX-0-LZ-APO-243-2010
545. *Lobelia siphilitica* L. XX-0-LZ-ÖNA-6-14
546. *Platycodon grandiflorus* (Jacq.) A.DC. Astra Series
547. *Platycodon grandiflorus* (Jacq.) A.DC.

CAPRIFOLIACEAE

548. *Centranthus calcitrapae* (L.) Dufur.
549. *Centranthus macrosiphon* Boiss. XX-0-HAL-1238

550. *Diervilla sessilifolia* Buckley
Z, USA: Mount La Counte, 1700 m / Dresden, 2007
551. *Fedia cornucopiae* (L.) Gaertner
552. *Lonicera ligustrina* var. *pileata* (Oliv.) Franch.
553. *Morina longifolia* Wall. ex DC.
554. *Patrinia gibbosa* Maxim.
555. *Scabiosa atropurpurea* L. XX-0-KL-2012/1376
556. *Scabiosa lucida* Vill. SI-0-LJU-G-555-583
557. *Scabiosa prolifera* L.
558. *Scabiosa stellata* M.Bieb.
559. *Triosteum pinnatifidum* Maxim.

CARYOPHYLLACEAE

560. *Atocion armeria* (L.) Raf.
561. *Atocion compactum* (Fisch. ex Hornem.) Tzvelev RO-0-CLA-9919
Z, RO, Măcinului Mountains, Distr. Tulcea, 110 m,
44°29'N 28°26'E / Cluj-Napoca Agro 2020
562. *Dianthus armeria* L.
563. *Dianthus deltoides* L. EE-0-TU-A-2021-1186
Z, Estonia, Võru County, Lüübnitsa, 58.0535°,
27.5989°, 05.2020
564. *Dianthus henteri* Heuff. ex Griseb. & Schenk RO-0-CLA-3040
Z, RO, Retezat Mountains, Distr. Hunedoara,
1000-1800 m, 45°22'N 22°33'E, leg.G.Groza / Cluj-
Napoca Agro 2018
565. *Eremogone ledebouriana* (Fenzl) Ikonn.
566. *Petrorhagia prolifera* (L.) P.W.Ball & Heywood
567. *Silene baccifera* (L.) Roth MD-0-TU-1988-0013-1
Z, Moldova, 1988
568. *Silene bupleuroides* L.
569. *Silene chalcedonica* (L.) E.H.L.Krause
570. *Silene coeli-rosa* (L.) Godr.
571. *Silene dioica* (L.) Clairv. EE-0-TU-2010-0120-1
Z, Estonia, Tallinn, Island Aegna, 2009
572. *Silene flos-jovis* (L.) Greuter & Burdet
573. *Silene noctiflora* L. EE-0-TU-A-2020-0257
Z, Estonia, Hiiu County, Kopa, 2017
574. *Silene pendula* L.
575. *Silene regia* Sims
576. *Silene tatarica* (L.) Pers.
Z, LT, the local area Liškiava, Varėna district /
Šiauliai 2021
577. *Silene zawadzki* Herbich

578. *Vaccaria hispanica* (Mill.) Rauschert

CELASTRACEAE

579. *Euonymus cornutus* Hemsl.

CHLORANTHACEAE

580. *Chloranthus japonicus* Siebold

CISTACEAE

581. *Helianthemum nummularium* subsp. *obscurum* (Pers.) Holub
Z, Estonia, Võru County, Voropi, 2020 EE-0-TU-A-2021-1203

CLEOMACEAE

582. *Cleome gynandra* L. UG-0-GIESS-2019-M-620
Z, Uganda, Irmgard Jordan / Giessen 2021

583. *Cleome violacea* L.

584. *Polanisia trachysperma* Torr. & A.Gray

CONVOLVULACEAE

585. *Ipomoea coccinea* L.

CORIARIACEAE

586. *Coriaria japonica* A.Gray XX-0-TUEB-3665

DATISCACEAE

587. *Datisca cannabina* L.

DIPSACACEAE

588. *Cephalaria gigantea* (Ledeb.) Bobrov

589. *Cephalaria leucantha* (L.) Schrad.

590. *Dipsacus pilosus* L.

591. *Succisella inflexa* (Kluk) Beck

ERICACEAE

592. *Bruckenthalia spiculifolia* (Salisb.) Rchb.

593. *Rhododendron minus* Michx.

EUPHORBIACEAE

594. *Euphorbia lathyris* L. DE-0-BREMR-XXXX/4744

595. *Euphorbia marginata* Pursh

FABACEAE

596. *Amorpha nana* Nutt.

597. *Astragalus canadensis* L.
598. *Astragalus glycyphyllos* L. EE-0-TU-A-2017-1009
Z, Estonia, Saare County, Tõnija, 2015
599. *Baptisia australis* (L.) R.Br.
600. *Caragana pygmaea* (L.) DC.
601. *Cicer arietinum* L.
602. *Coronilla scorpioides* (L.) W.D.J.Koch XX-0-MJG-19--45270
603. *Glycine max* (L.) Merr. XX-0-LZ-AN-142-1970
604. *Halimodendron halodendron* (Pall.) Voss
605. *Hedysarum hedysaroides* (L.) Schinz & Thell.
606. *Lathyrus aphaca* L. XX-0-ULM-1998-F-32
607. *Lathyrus chloranthus* Boiss.
608. *Lathyrus clymenum* L. XX-0-AJUDA-18.309
609. *Lathyrus latifolius* L.
610. *Lathyrus montanus* Bernh.
611. *Lathyrus niger* (L.) Bernh.
612. *Lathyrus nissolia* L.
613. *Lathyrus ochrus* (L.) DC.
614. *Lathyrus sativus* L.
615. *Lathyrus sphaericus* Retz. XX-0-AJUDA-20.274
616. *Lens culinaris* Medik.
617. *Lotus corniculatus* L. EE-0-TU-A-2016-0583
Z, Estonia, Põlva County, Rahumäe, 2015
618. *Lupinus luteus* L. XX-0-BREMR-xxxx/3069
619. *Onobrychis viciifolia* Scop. EE-0-TU-A-2021-1280
Z, Estonia, Ida-Viru County, Kurtna, 2013
620. *Phaseolus coccineus* L.
621. *Scorpiurus vermiculatus* L. XX-0-UNKAR-2012-1197
622. *Securigera securidaca* (L.) Degen & Dörfl.
623. *Tetragonolobus purpureus* Moench
624. *Thermopsis lupinoides* (L.) Link
625. *Trifolium arvense* L. EE-0-TU-2008-0109-1
Z, Estonia, Valga County, Karula, 2007
626. *Trifolium incarnatum* L.
627. *Trifolium rubens* L.
628. *Trifolium trichocephalum* M.Bieb.
629. *Trigonella caerulea* (L.) Ser.
630. *Trigonella foenumgraecum* L.
631. *Vicia sylvatica* L. EE-0-TU-A-2021-1196
Z, Estonia, Jõgeva County, Tõrenurme, 2020

FAGACEAE

632. *Quercus macrocarpa* Michx.

GENTIANACEAE

633. *Centaurium pulchellum* (Sw.) Druce
Z, Estonia, Hiiu County, Taguküla, 2021 EE-0-TU-A-2022-1526
634. *Gentiana asclepiadea* L.
635. *Gentiana crassicaulis* Duthie ex Burkill
Z, China / "Flore-Alpe" Champex 1995
636. *Gentiana cruciata* L.
Z, Estonia, Lääne County, Esivere, 2016 EE-0-TU-A-2021-1786

GERANIACEAE

637. *Erodium gruinum* (L.) L'Hér.
638. *Erodium manescavii* Coss.
639. *Geranium biuncinatum* Kokwaro
640. *Geranium pratense* L.
Z, Estonia, Jõgeva County, Pikknurme, 2014 EE-0-TU-A-2015-0681
641. *Geranium psilostemon* Ledeb.
642. *Geranium pyrenaicum* Burm.f.

GESNERIACEAE

643. *Aeschynanthus lobbianus* Hook.
644. *Ramonda myconi* (L.) Rchb.
645. *Ramonda nathaliae* Pančić & Petrovič

HAMAMELIDACEAE

646. *Fothergilla major* (Sims) Lodd.
647. *Hamamelis virginiana* L.

HIPPOCASTANACEAE

648. *Aesculus glabra* Willd. ✱

HYDRANGEACEAE

649. *Deinanthef bifida* Maxim.
650. *Jamesia americana* Torr. & A.Gray
651. *Kirengeshoma palmata* Yatabe

HYPERICACEAE

652. *Hypericum ascyron* L.
653. *Hypericum kouytchense* H.Lév.
654. *Hypericum orientale* L.

LAMIACEAE

655. *Agastache foeniculum* (Pursh) Kuntze
656. *Agastache nepetoides* Shafer
657. *Amethystea caerulea* L.
658. *Betonica alopecuros* L.
Z, Bärenthal 900-1.600 m; Obir 1.600-2.000 m / Wien
Belvedere 2017
659. *Betonica macrantha* K.Koch
660. *Callicarpa japonica* Thunb.
661. *Dracocephalum moldavica* L.
662. *Dracocephalum renati* Emb.
663. *Dracocephalum ruyschiana* L.
664. *Elsholtzia ciliata* (Thunb.) Hyl.
665. *Galeopsis ladanum* L. XX-0-BREMR-2007/228
666. *Lavandula multifida* L. XX-0-MB-1964/1133
667. *Leonotis nepetifolia* (L.) R.Br.
668. *Leonurus japonicus* Houtt.
669. *Marrubium incanum* Desr.
Z, Italy, Campo Imperatore, 1250 m. / L'Aquila 2003
670. *Mentha cervina* L.
671. *Moluccella laevis* L. XX-0-IAGB201510807G
672. *Monarda bradburiana* L.C.Beck
673. *Monarda citriodora* Cerv. ex Lag. XX-0-KL-2019/4448
674. *Monarda fistulosa* L. US-0-JENA-7343125
Z, J Beal BG USA: MI, Ishiawassee county, 253 m,
Oldfield, East side of Vermillion / Jena 2018
675. *Monarda punctata* L. US-0-DR-009003
Z, USA / Krakow Pharm 2020
676. *Monardella odoratissima* Benth.
677. *Nepeta grandiflora* M.Bieb.
678. *Nepeta nervosa* Royle ex Benth.
679. *Nepeta sibirica* L.
680. *Ocimum tenuiflorum* L.
681. *Phlomis tuberosa* (L.) Moench
682. *Salvia amplexicaulis* Lam.
683. *Salvia argentea* L.
684. *Salvia coccinea* Buc'hoz ex Etl.
685. *Salvia hispanica* L.
686. *Salvia patens* Cav.
687. *Salvia przewalskii* Maxim.
688. *Salvia roemeriana* Scheele

689. *Salvia sclarea* L.
 690. *Salvia viridis* L. XX-0-IAGBXXXX9841G
 691. *Scutellaria baicalensis* Georgi
 692. *Stachys annua* (L.) L.
 693. *Teucrium botrys* L.
 694. *Teucrium canadense* L.
 695. *Teucrium scordium* L. EE-0-TU-A-2017-1508
 Z, Estonia, Saare County, Kurevere, 2016
 696. *Teucrium scorodonia* L.
 697. *Ziziphora capitata* L. XX-0-MJG-190069490

LINACEAE

698. *Linum hypericifolium* Salisb.
 699. *Linum usitatissimum* L.

LINDERNIACEAE

700. *Torenia fournieri* Linden ex E.Fourn. XX-0-Z-20040488

MAGNOLIACEAE

701. *Magnolia sieboldii* K.Koch ✽

MALVACEAE

702. *Abutilon indicum* (L.) Sweet
 703. *Abutilon theophrasti* Medik. HU-0-NGOET-15
 Z, Ungarn, Kis-Balaton, Zalavar / Georg-August-
 Univ 2022
 704. *Alcea rugosa* Alef.
 705. *Althaea cannabina* L.
 706. *Althaea officinalis* L.
 707. *Anoda cristata* (L.) Schltdl.
 708. *Gossypium arboreum* L.
 709. *Gossypium hirsutum* L. xx-0-BONN-21438
 710. *Kitaibela vitifolia* Willd.
 711. *Modiola caroliniana* (L.) G.Don
 712. *Napaea dioica* L.
 713. *Sida hermaphrodita* (L.) Rusby
 714. *Sidalcea oregana* (Nutt. ex Torr. & A.Gray) A.Gray

MELIACEAE

715. *Turraea heterophylla* Sm.

MENISPERMACEAE

716. *Menispermum dauricum* DC.

MONTIACEAE

717. *Cistanthe grandiflora* (Lindl.) Schlttdl.

OCHNACEAE

718. *Ochna integerrima* (Lour.) Merr.

ONAGRACEAE

719. *Chamaenerion dodonaei* (Vill.) Schur
720. *Clarkia breweri* (A.Gray) Greene
721. *Clarkia purpurea* (Curtis) A.Nelson & J.F.Macbr. XX-0-HOH-SYS-6461
722. *Oenothera odorata* Jacq. xx-0-OBRHZ-0530

PAEONIACEAE

723. *Paeonia humilis* Retz.
724. *Paeonia veitchii* Lynch

PAPAVERACEAE

725. *Argemone mexicana* L. XX-0-IAGB20099898G
726. *Eschscholzia californica* Cham.
727. *Macleaya microcarpa* (Maxim.) Fedde
728. *Papaver monanthum* Trautv.
729. *Papaver nudicaule* L.
730. *Papaver rhoeas* L.
731. *Papaver triniifolium* Boiss.
732. *Stylophorum lasiocarpum* (Oliv.) Fedde XX-0-GZU-97 200440

PASSIFLORACEAE

733. *Passiflora amethystina* J.C.Mikan XX-0-ULM-2012-G-118
734. *Passiflora gracilis* J.Jacq. ex Link xx-0-DR-007168
735. *Passiflora morifolia* Mast. XX-0-STUTB-1491-0
736. *Passiflora suberosa* L. XX-0-AJUDA-19.454

PENTHORACEAE

737. *Penthorum sedoides* L.

PHYTOLACCACEAE

738. *Phytolacca americana* L. XX-0-ROST-2012-F-5149

PLANTAGINACEAE

739. *Anarrhinum corsicum* Jord. & Fourr.
740. *Antirrhinum controversum* Pau

741. *Antirrhinum siculum* Mill.
Z, Italy, Sicily, Syracuse / Paris Nat. Museum 2014
742. *Chelone glabra* L.
Z, Whately, Franklin County, MA, U.S. /
Northampton 2018
743. *Digitalis ferruginea* L.
744. *Digitalis grandiflora* Mill.
745. *Digitalis lutea* L.
746. *Digitalis viridiflora* Lindl. BG-0-GB-2001-1082
747. *Linaria pinifolia* (Poir.) Thell. 'Flamenco'
748. *Linaria purpurea* (L.) Mill.
749. *Penstemon comarrhenus* A.Gray XX-0-TEBLI-00399
750. *Penstemon davidsonii* Greene
751. *Penstemon glaber* Pursh
752. *Penstemon hirsutus* (L.) Willd.
753. *Penstemon lyalli* (A.Gray) A.Gray
754. *Penstemon strictus* Benth.
755. *Plantago aristata* Michx.
756. *Plantago camtschatica* Link.
Z, Russia, near Chernayatino village / Vladivostok
2013
757. *Plantago major* L. 'Purple Perversion'
758. *Plantago major* L. 'Variegata'
759. *Plantago maxima* Juss. ex Jacq. RU-0-H-2015-0027
Z, Russia. Volgogradskya oblast. Kumylzhenskaya
rayon. Zatalovskiy / Helsingi 2015
760. *Synthyris platycarpa* Gail & Pennell
761. *Veronica besseyi* M.M.Mart.Ort. & Albach
762. *Veronica kemulariae* A.I.Kuth.
763. *Veronica porphyriana* Pavlov
764. *Veronica spicata* L. EE-0-TU-2009-0269-1
Z, Estonia, Tallinn, Island Aegna, 2009
765. *Veronicastrum sibiricum* (L.) Pennell
- POLEMONIACEAE**
766. *Collomia heterophylla* Hook. XX-0-BRNU-2017-05556
767. *Collomia linearis* Nutt. XX-0-BRNU-2017-05557
768. *Gilia achilleifolia* Benth.
769. *Gilia capitata* Sims
770. *Ipomopsis rubra* (L.) Wherry US-0-TUEB-1528
Z, USA, Oklahoma / Tübingen 2019
771. *Polemonium caeruleum* subsp. *himalayanum* (Baker) H.Hara

772. *Polemonium pauciflorum* S.Watson

POLYGALACEAE

773. *Polygala comosa* Schkuhr EE-0-TU-A-2022-1518
Z, Estonia, Tartu County, Pühaste, 2015

POLYGONACEAE

774. *Oxyria digyna* (L.) Hill

775. *Persicaria capitata* (Buch.-Ham. ex D.Don) H.Gross

776. *Pteroxygonum giraldii* Dammer & Diels

777. *Rheum palmatum* L. CN-0-GIESS-2006-J-304
Z, China, Shaanxsii, Tai Bai Shan, 2600 m / Giessen
2021

PRIMULACEAE

778. *Androsace chaixii* Gren. & Godron

779. *Androsace darvasica* Ovcz.

780. *Androsace halleri* L. 'Alba'

781. *Lysimachia ciliata* L.

782. *Lysimachia davurica* Ledeb.

783. *Lysimachia punctata* L.

784. *Lysimachia sikokiana* Miq.

785. *Lysimachia vulgaris* L.

786. *Primula farinosa* L. EE-0-TU-A-2018-0589
Z, Estonia, Hiiu County, Kaleste, 2017

787. *Primula matthioli* (L.) V.A.Richt.

788. *Primula veris* L.

789. *Primula veris* subsp. *macrocalyx* (Bunge) Lüdi GE-0-BONN-26191

RANUNCULACEAE

790. *Aconitum anthora* L.

791. *Aconitum hemsleyanum* E.Pritz. 'Red Wine'

792. *Aconitum napellus* L. UA-0-TU-1987-0039-1
Z, Ukraine, Transcarpathia, 1987

793. *Aconitum volubile* Pall. ex Koelle

Z, Russia, Altai Mts, lake Teletsi, Artõbaš, Teveneki
river, 450 m

794. *Actaea pachypoda* f. *rubrocarpa* (Killip) Fernald

795. *Actaea rubra* (Aiton) Willd.

796. *Actaea rubra* f. *neglecta* (Gillman) B.L.Rob.

797. *Anemone narcissiflora* L.

798. *Anemone sylvestris* L. EE-0-TU-2009-0229-1
Z, Estonia, Jõgeva County, Kärde, 2009

799. *Anemonopsis macrophylla* Sieb. & Zucc.
800. *Aquilegia canadensis* L.
801. *Aquilegia parviflora* Ledeb.
802. *Aquilegia vulgaris* L. 'Tower White'
803. *Aquilegia vulgaris* L. 'Woodside Red'
804. *Beesia calthifolia* (Maxim. ex Oliv.) Ulbr.
805. *Cimicifuga americana* Michx.
806. *Cimicifuga europaea* Schipcz.
807. *Cimicifuga foetida* L.
808. *Clematis campaniflora* Brot.
809. *Clematis fruticosa* var. *lobata* Maxim.
810. *Clematis potaninii* Maxim.
811. *Clematis recta* L.
812. *Clematis scottii* Porter
813. *Clematis songarica* Bunge
814. *Clematis stans* Siebold & Zucc.
815. *Clematis tibetana* var. *vernayi* (C.E.C.Fisch.) Grey-Wilson NP-0-B-2810484
816. *Clematis viticella* L. XX-0-STR-2013741
817. *Delphinium glareosum* Greene
818. *Delphinium grandiflorum* L.
819. *Eranthis cilicica* Schott & Kotschy
820. *Eranthis hyemalis* (L.) Salisb.
821. *Glaucidium palmatum* Siebold & Zucc.
822. *Nigella arvensis* L. DE-0-GIESS-2013-J-28
Z, Deutschland, Vorpommern, Uecker-Randow /
Giessen 2021
823. *Nigella nigellastrum* (L.) Willk. XX-0-MJG-19--45700
824. *Pulsatilla tatewakii* Kudô
825. *Ranunculus amplexicaulis* L.
826. *Ranunculus cassubicus* L. EE-0-TU-2009-0237-1
Z, Estonia, Põlva County, Râpina, 2009
827. *Thalictrum dasycarpum* Fisch., C.A.Mey. & Avé-Lall.
Z, USA, MI, Ingham Co / East Lansing 1996
828. *Thalictrum rochebruneanum* Franch. & Sav. XX-0-BRAUN-7433624
829. *Trollius asiaticus* L. RU-0-TU-1992-0034-1
Z, Russia, Altai V, Cemali raj, Toguz-Kol, 1200 m,
1992
830. *Trollius ledebourii* Rchb.
831. *Trollius macropetalus* (Regel) F. Schmidt
Z, Russia, Primorsky Region, near Lazo st. /
Vladivostok 2007

832. *Trollius vaginatus* Hand.-Mazz.
Z, China: Yunnan, Zhongdian, 2006 / Reykjavik,
2010

RESEDACEAE

833. *Reseda alba* L.
834. *Reseda odorata* L.
835. *Reseda phyteuma* L.
Z, SRB: Zlatibor, Užice, Mokra Gora, Beli Rzav
gorge, 580 m. / Hjellestad 2021

ROSACEAE

836. *Alchemilla mollis* (Buser) Rothm. 'Thriller'
837. *Cotoneaster roseus* Edgew.
838. *Filipendula glaberrima* Nakai
839. *Gillenia trifoliata* (L.) Moench
840. *Holodiscus discolor* (Pursh) Maxim.
841. *Potentilla hippiana* Lehm.
842. *Potentilla neumanniana* Rchb. EE-0-TU-A-2017-1028
Z, Estonia, Saare County, Mullutu, 2016
843. *Prinsepia sinensis* (Oliv.) Hallier
844. *Rosa maximowicziana* Regel
845. *Sanguisorba canadensis* L.
846. *Sanguisorba magnifica* Schischkin & Kom.
847. *Sorbus cascadiensis* G.N.Jones
848. *Sorbus cashmiriana* Hedl.

RUBIACEAE

849. *Asperula arvensis* L. XX-0-ULM-2008-F-177
850. *Asperula orientalis* Boiss. & Hohen. xx-0-DR-006719
851. *Crucianella angustifolia* L.
852. *Hamelia patens* Jacq.
853. *Hydnophytum papuanum* Becc.
854. *Morinda citrifolia* L. XX-0-DELF-2009GR0092
855. *Rubia cordifolia* L.

RUTACEAE

856. *Ptelea trifoliata* L.
857. *Ruta graveolens* L.

SAXIFRAGACEAE

858. *Astilbe macroflora* Hayata CN-0-PLZEN-1676-09-10
859. *Heuchera pulchella* Wooton & Standl.

860. *Heuchera villosa* Michx.
 861. *Mitella breweri* A.Gray
 862. *Saxifraga kolenatiana* Regel
 863. *Tellima grandiflora* (Pursh) Douglas ex Lindl. Rubra Group

SCROPHULARIACEAE

864. *Verbascum blattaria* L.
 865. *Zaluzianskya capensis* (L.) Walp.

SOLANACEAE

866. *Anisodus luridus* Link XX-0-UNKAR-2011-5414
 867. *Hyoscyamus albus* L. IT-0-GIESS-2000-J-822
 Z, Italien, Ligurien / Giessen 2021
 868. *Nicotiana acuminata* (Graham) Hook. XX-0-MJG-190047030
 869. *Nicotiana glutinosa* L.
 870. *Nicotiana langsdorffii* Weinm.
 871. *Nicotiana longiflora* Cav. FR-0-TAL-19970053W
 872. *Nicotiana mutabilis* Stehmann & Semir
 873. *Nicotiana suaveolens* Lehm.
 874. *Nicotiana sylvestris* Speg.
 875. *Nicotiana tabacum* L.
 876. *Nolana humifusa* (Gouan) I.M.Johnst. XX-0-LZ-AN-128-1970
 877. *Nolana paradoxa* Lindl. XX-0-BRAUN-7888785
 878. *Petunia axillaris* (Lam.) Britton, Sterns & Poggenb. xx-0-DR-004104
 879. *Petunia exserta* Stehmann
 880. *Physochlaina orientalis* (M.Bieb.) G.Don
 881. *Salpiglossis sinuata* Ruiz et Pav.
 882. *Schizanthus pinnatus* Ruiz et Pav.
 883. *Withania somnifera* (L.) Dunal

STAPHYLEACEAE

884. *Staphylea pinnata* L.

STYRACACEAE

885. *Pterostyrax hispidus* Siebold & Zucc.

VALERIANACEAE

886. *Valeriana alliariifolia* Adams
 Z, Russia, Krasnodar Krai, Kr Poljana, Atšišo Mts.

VERBENACEAE

887. *Verbena bonariensis* L.
 888. *Verbena hastata* L. XX-0-BREMR-xxxx/2525

889. *Verbena stricta* Vent. US-0-HBG-2009-F-476
890. *Verbena urticifolia* L.

VIOLACEAE

891. *Viola mirabilis* L. EE-0-TU-2011-0526-1
Z, Estonia, Saare County, Neemi, 58.4809°,
23.1104°, 20.08.2007
892. *Viola rupestris* F.W.Schmidt EE-0-TU-A-2014-0343
Z, Estonia, Ida-Viru County, Kurtna, 2013
893. *Viola rupestris* F.W.Schmidt EE-0-TU-A-2021-1201
Z, Estonia, Võru County, Piusa, 2020

Names and abbreviations of botanical gardens in the Index Seminar 2022

"Flore-Alpe" Champex	Alpine Garden "Flore-Alpe", Switzerland
Brno Univ Masaryk	Masaryk University Faculty of Science Botanical Garden
Chemnitz	Botanischer Garten der Stadt Chemnitz
Cluj-Napoca Agro	Gradina Agro-Botanica din Cluj-Napoca
Dresden	Botanischer Garten der Technischen Universitaet Dresden
Düsseldorf	Botanical Garden University of Duesseldorf
East Lansing	W. J. Beal Botanical Garden Michigan State University
Georg-August-Univ	Neuer Botanischer Garten der Georg-August-Universität Göttingen
Giessen	Botanischer Garten der Justus-Liebig Universität Giessen
Hamburg	Biozentrum Klein Flottbek und Botanischer Garten Hamburg
Helsinki	Finnish Museum of Natural History / Helsinki University Botanic Garden
Hjellestad	The Arboretum of the University Museum of Bergen
Jena	Botanischer Garten der Friedrich-Schiller-Universitaet Jena
Krakov Pharm	Maj Institute of Pharmacology Polish Academy of Sciences
L'Aquila	Giardino alpino Campo Imperatore L'Aquila
Montreal	Montreal Botanical Garden / Jardin botanique de Montréal
München	Botanischer Garten München-Nymphenburg
Nancy	Jardins botaniques du Grand Nancy et de l'Université de Lorraine
Ness	Ness Botanic Gardens (University of Liverpool)
Northampton	Botanic Garden of Smith College, Northampton
Paris Nat. Museum	National Museum "d'Histoire Naturelle"- Seed Bank
Parma	Orto Botanico Universita di Parma
Plzen	Zoological and Botanical Garden of the Plzen Town
Praha Univ	Charles University Botanic Garden (Botanicka zahrada University Karlovy)

Reykjavik	Hortus Botanicus Reykjavikensis
Rogow	Rogów Arboretum of Warsaw University of Life Sciences
Stockholm	Bergius Botanic Garden Stockholm University
Šiauliai	Šiauliai Academy Botanical Garden, Vilnius University
Zürich Univ	Botanischer Garten der Universitaet Zurich The Garden of Medicinal Plants
Tokyo	Tokyo Metropolitan Medicinal Plants Garden
Trebon	Hortus Botanicus Třeboň
Tübingen	Botanischer Garten der Universitat Tübingen Universitatea de Stiinte Agricole si Medicina Veterinara
Utrecht	Utrecht University Botanic Gardens
Warsaw	Polish Academy of Sciences Botanical Garden Center for Biological Diversity Conservation in Powsin
Weinheim	Schau- und Sichtungsgarten Weinheim
Wien Belvedere	Bundesgärten Wien und Innsbruck (Belvedere)
Vladivostok	Botanical Garden-Institute of the Far Eastern Branch, Russian Academy of Science

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Ref. n

DESIDERATA 2022

Please indicate your requests, one number per box and forward
before 31. March 2023

Your address:

**In case of non-IPEN members, please take note of the Convention
on the exchange of plant material on the order form and sign it.
Otherwise, we cannot send you seeds!**

**Agreement on the supply of living plant material for non-
commercial purposes leaving the International Plant
Exchange Network**

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

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

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

I accept the above conditions.

Date, Signature

Recipient's name and address, stamp

