INDEX SEMINUM

ANNO 2025

COLLECTORUM QUAE

HORTUS BOTANICUS

UNIVERSITATIS TARTUENSIS

PRO MUTUA

COMMUTATIONE OFFERT

Tartu 2025

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HORTUS BOTANICUS

UNIVERSITATIS TARTUENSIS

(ANNO DOMINI 1803)

PRO MUTUA COMMUTATIONE OFFERT

EDITOR KERSTI TAMBETS

TARTU 2025

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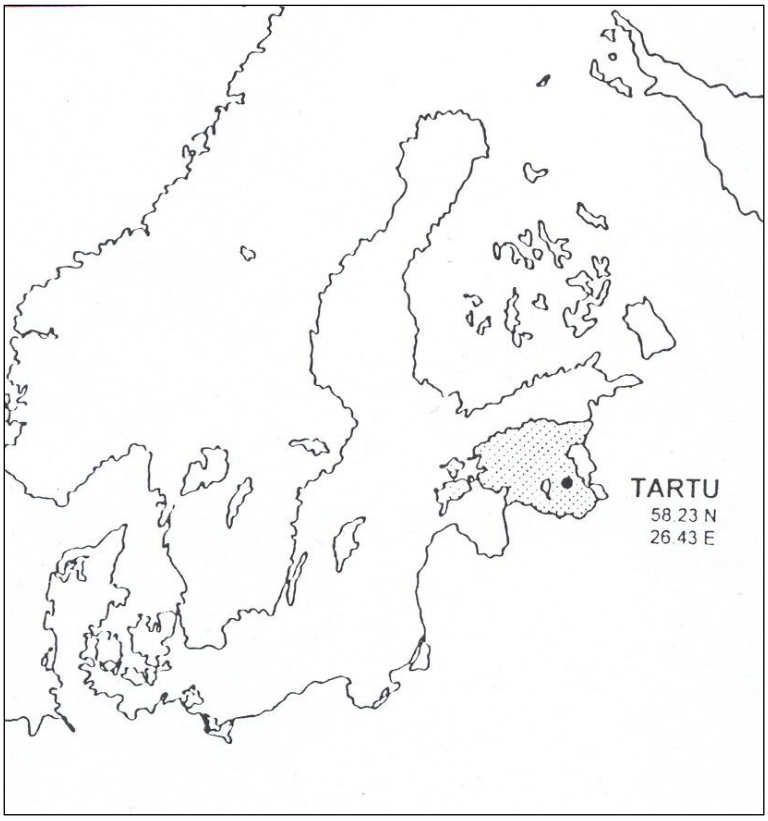

Indicationes climatices

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 158 annis: -38,6°C (31.12.1978)
Maximum absolutum pro 158 annis: 35,2°C (02.08.1896)

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

Z – propagules collected from cultivated plants of known wild origin
WS - propagules collected directly from the wild
The rest of the propagules are from cultivated plants of unknown origin.

❄ - stored at 1˚C

Cover photo by Katrin Mäeots (*Epimedium* 'Kopsik', Merike Karolin)

Dear colleagues,

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

By the 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 limited funds.

We are sorry for the inconvenience.

Best wishes,

University of Tartu Botanical Garden.

If not noted otherwise, the seeds are the 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 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) Propagules collected in the wild

MONILOPHYTA / POLYPODIOPSIDA

POLYPODIACEAE

1. *Polypodium vulgare* L. ❄ EE-0-TU392467
WS, Estonia, Lääne county, Dirhami / Derhamn
59.19978, 23.49950, 2025-08-24

ANTHOPHYTA / MONOCOTYLEDONAE

CYPERACEAE

2. *Carex flacca* Schreb. EE-0-TU392443
WS, Estonia, Harju county, Tänassilma
59.34218, 24.64081, 2025-08-20

3. *Carex rostrata* Stokes EE-0-TU392401
WS, Estonia, Pärnu county, Soeva
58.47983, 24.13609, 2025-07-28

4. *Eriophorum vaginatum* L. EE-0-TU392391
WS, Estonia, Võru county, Kärinä
57.64236, 27.19596, 2025-06-23

5. *Rhynchospora alba* (L.) Vahl EE-0-TU392380
WS, Estonia, Rapla county, Reonda
58.73933, 24.98340, 2025-09-28

6. *Schoenus ferrugineus* L. EE-0-TU392402
WS, Estonia, Pärnu county, Soeva
58.47975, 24.13583, 2025-07-28

7. *Trichophorum alpinum* (L.) Pers. EE-0-TU392437
WS, Estonia, Põlva county, Sillapää
58.07512, 27.43400, 2025-08-18

JUNCACEAE

8. *Juncus effusus* L. EE-0-TU392436
WS, Estonia, Põlva county, Toolamaa
58.11602, 27.36841, 2025-08-16

MELANTHIACEAE

9. *Paris quadrifolia* L. — EE-0-TU392416
WS, Estonia, Pärnu county, Kunila
58.60621, 23.80008, 2025-07-30

POACEAE

10. *Alopecurus pratensis* L. — EE-0-TU392392
WS, Estonia, Võru county, Lüübnitsa
58.05504, 27.59589, 2025-06-29

11. *Arrhenatherum elatius* (L.) Beauv. ex J. & C.Presl — EE-0-TU392407
WS, Estonia, Saare county, Kesse
58.63788, 23.42839, 2025-07-29

12. *Brachypodium pinnatum* (L.) P.Beauv. — EE-0-TU392444
WS, Estonia, Harju county, Tänassilma
59.34217, 24.64091, 2025-08-20

13. *Briza media* L. — EE-0-TU392418
WS, Estonia, Võru county, Määsi
57.63534, 27.35675, 2025-08-10

14. *Bromus erectus* Huds. — EE-0-TU392440
WS, Estonia, Harju county, Tallinn
59.47182, 24.71982, 2025-08-20

15. *Calamagrostis arundinacea* (L.) Roth — EE-0-TU392435
WS, Estonia, Võru county, Korela
57.88831, 27.66187, 2025-08-15

16. *Danthonia decumbens* (L.) DC. — EE-0-TU392426
WS, Estonia, Võru county, Voropi
57.84516, 27.63837, 2025-08-15

17. *Deschampsia cespitosa* (L.) P.Beauv. — EE-0-TU392417
WS, Estonia, Pärnu county, Kiska
58.60670, 23.80809, 2025-07-30

18. *Deschampsia flexuosa* (L.) Trin. — EE-0-TU392430
WS, Estonia, Võru county, Korela
57.88449, 27.70187, 2025-08-15

19. *Elymus caninus* (L.) L. — EE-0-TU392389
WS, Estonia, Tartu county, Kavastu
58.38482, 27.11267, 2025-10-22

20. *Festuca arundinacea* Schreb. — EE-0-TU392412
WS, Estonia, Saare county, Kesse
58.63756, 23.41990, 2025-07-29

21. *Festuca gigantea* (L.) Vill. — EE-0-TU392439
WS, Estonia, Põlva county, Sillapää
58.07513, 27.43084, 2025-08-18

22. *Festuca ovina* L. EE-0-TU392394
WS, Estonia, Võru county, Nedsaja
57.88318, 27.63389, 2025-07-14

23. *Glyceria fluitans* (L.) R.Br. EE-0-TU392396
WS, Estonia, Põlva county, Mägiotsa
58.16237, 27.35355, 2025-07-17

24. *Helictotrichon pratense* (L.) Besser EE-0-TU392420
WS, Estonia, Valga county, Tsirgumäe
57.59672, 26.33027, 2025-08-13

25. *Helictotrichon pubescens* (Huds.) Pilg. EE-0-TU392393
WS, Estonia, Võru county, Lüübnitsa
58.05455, 27.59776, 2025-06-29

26. *Nardus stricta* L. EE-0-TU392429
WS, Estonia, Võru county, Korela
57.88446, 27.70184, 2025-08-15

27. *Phleum phleoides* (L.) H.Karst. EE-0-TU392448
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37674, 24.03723, 2025-08-26

28. *Phleum pratense* L. EE-0-TU392366
WS, Estonia, Valga county, Tsirgumäe
57.59614, 26.32615, 2025-08-13

29. *Poa compressa* L. EE-0-TU392449
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37680, 24.03729, 2025-08-26

SCHEUCHZERIACEAE

30. *Scheuchzeria palustris* L. EE-0-TU392379
WS, Estonia, Põlva county, Toolamaa
58.11983, 27.36956, 2025-09-27

ANTHOPHYTA / EUDICOTYLEDONAE

APIACEAE

31. *Daucus carota* L. EE-0-TU392463
WS, Estonia, Harju county, Rummu
59.23039, 24.22277, 2025-08-28

32. *Pastinaca sativa* subsp. *sylvestris* (Mill.) Rouy & Camus EE-0-TU392438
WS, Estonia, Põlva county, Sillapää
58.07467, 27.43398, 2025-08-18

33. *Pimpinella saxifraga* L. EE-0-TU392455
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.34021, 24.00162, 2025-08-27

34. *Selinum carvifolia* (L.) L. EE-0-TU392457
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33693, 23.96974, 2025-08-27

35. *Seseli libanotis* (L.) Koch EE-0-TU392451
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37577, 24.03651, 2025-08-26

36. *Torilis japonica* (Houtt.) DC. EE-0-TU392456
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33224, 23.97046, 2025-08-27

ASTERACEAE

37. *Achillea salicifolia* Besser EE-0-TU392385
WS, Estonia, Tartu county, Kavastu
58.38397, 27.10919, 2025-10-22

38. *Antennaria dioica* (L.) Gaertn. EE-0-TU392374
WS, Estonia, Võru county, Nedsaja
57.88144, 27.63023, 2025-07-14

39. *Anthemis tinctoria* L. EE-0-TU392442
WS, Estonia, Harju county, Tallinn
59.45317, 24.81544, 2025-08-20

40. *Centaurea jacea* L. EE-0-TU392461
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33844, 23.93099, 2025-08-27

41. *Centaurea scabiosa* L. EE-0-TU392462
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33793, 23.94428, 2025-08-27

42. *Cirsium horridum* (Wimm. et Grab.) Stankov EE-0-TU392465
WS, Estonia, Saare county, Kesse
58.63241, 23.44270, 2025-07-29

43. *Cirsium palustre* (L.) Scop. EE-0-TU392398
WS, Estonia, Põlva county, Mägiotsa
58.16215, 27.35120, 2025-07-17

44. *Cirsium vulgare* (Savi) Ten. EE-0-TU392460
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33881, 23.94474, 2025-08-27

45. *Crepis paludosa* (L.) Moench EE-0-TU392397
WS, Estonia, Põlva county, Mägiotsa
58.16206, 27.35078, 2025-07-17

46. *Hypochaeris maculata* L. EE-0-TU392395
WS, Estonia, Võru county, Nedsaja
57.88243, 27.63245, 2025-07-14

47. *Hypochaeris radicata* L. EE-0-TU392369
WS, Estonia, Võru county, Lutepää
57.91167, 27.65238, 2025-07-14

48. *Jacobaea vulgaris* Claus — EE-0-TU392445
WS, Estonia, Harju county, Tänassilma
59.34299, 24.63872, 2025-08-20

49. *Leontodon hispidus* L. — EE-0-TU392408
WS, Estonia, Saare county, Kesse
58.63830, 23.42751, 2025-07-29

50. *Solidago virgaurea* L. — EE-0-TU392431
WS, Estonia, Võru county, Lutepää
57.91072, 27.65206, 2025-08-15

BORAGINACEAE

51. *Cynoglossum officinale* L. — EE-0-TU392404
WS, Estonia, Saare county, Kesse
58.63240, 23.44294, 2025-07-29

52. *Echium vulgare* L. — EE-0-TU392411
WS, Estonia, Saare county, Kesse
58.63905, 23.42394, 2025-07-29

BRASSICACEAE

53. *Alliaria petiolata* (M.Bieb.) Cavara & Grande — EE-0-TU392376
WS, Estonia, Harju county, Kloogaranna
59.35042, 24.26535, 2025-08-28

54. *Arabis hirsuta* (L.) Scop. — EE-0-TU392441
WS, Estonia, Harju county, Tallinn
59.45256, 24.81360, 2025-08-20

55. *Bunias orientalis* L. — EE-0-TU392446
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.35692, 24.04397, 2025-08-26

56. *Descurainia sophia* (L.) Webb ex Prantl — EE-0-TU392410
WS, Estonia, Saare county, Kesse
58.63895, 23.42670, 2025-07-29

CAMPANULACEAE

57. *Campanula glomerata* L. — EE-0-TU392458
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33654, 23.96989, 2025-08-27

58. *Campanula rapunculoides* L. — EE-0-TU392454
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37845, 24.03930, 2025-08-26

59. *Jasione montana* L. — EE-0-TU392422
WS, Estonia, Võru county, Piusa
57.83463, 27.52173, 2025-08-15

CAPRIFOLIACEAE

60. *Valeriana officinalis* L. EE-0-TU392365
WS, Estonia, Saare county, Kesse
58.63648, 23.41641, 2025-07-29

CARYOPHYLLACEAE

61. *Gypsophila fastigiata* L. EE-0-TU392433
WS, Estonia, Võru county, Nedsaja
57.88334, 27.63461, 2025-08-15

62. *Silene flos-cuculi* (L.) Greuter & Burdet EE-0-TU392399
WS, Estonia, Põlva county, Mägiotsa
58.16220, 27.35264, 2025-07-17

63. *Silene vulgaris* (Moench) Garcke EE-0-TU392371
WS, Estonia, Tartu county, Haage
58.35647, 26.61941, 2025-08

64. *Spergula arvensis* L. EE-0-TU392419
WS, Estonia, Võru county, Rääsolaane
58.01261, 27.52097, 2025-08-11

65. *Viscaria vulgaris* Bernh. EE-0-TU392400
WS, Estonia, Põlva county, Mägiotsa
58.16251, 27.35768, 2025-07-17

CISTACEAE

66. *Helianthemum nummularium* (L.) Mill. EE-0-TU392453
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37682, 24.03686, 2025-08-26

DROSERACEAE

67. *Drosera rotundifolia* L. EE-0-TU392378
WS, Estonia, Põlva county, Toolamaa
58.11919, 27.37002, 2025-09-27

ERICACEAE

68. *Vaccinium oxycoccos* L. EE-0-TU392377
WS, Estonia, Põlva county, Toolamaa
58.11902, 27.37027, 2025-09-27

FABACEAE

69. *Trifolium arvense* L. EE-0-TU392423
WS, Estonia, Võru county, Piusa
57.83461, 27.52188, 2025-08-15

70. *Trifolium fragiferum* L. EE-0-TU392409
WS, Estonia, Saare county, Kesse
58.63880, 23.42706, 2025-07-29

71. *Trifolium montanum* L. EE-0-TU392459
WS, Estonia, Harju county, Paldiski, Pakri Islands
59.33658, 23.96916, 2025-08-27

GENTIANACEAE

72. *Centaurium littorale* (Turner) Gilmour EE-0-TU392464
WS, Estonia, Harju county, Rummu
59.22995, 24.23487, 2025-08-28

GROSSULARIACEAE

73. *Ribes alpinum* L. EE-0-TU392375
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37704, 24.03952, 2025-08-26

LAMIACEAE

74. *Leonurus quinquelobatus* Gilib. EE-0-TU392373
WS, Estonia, Võru county, Lüübnitsa
58.05743, 27.59475, 2025-10-25

75. *Lycopus europaeus* L. EE-0-TU392387
WS, Estonia, Tartu county, Kavastu
58.38330, 27.11951, 2025-10-22

76. *Mentha aquatica* L. EE-0-TU392383
WS, Estonia, Tartu county, Kavastu
58.38376, 27.10863, 2025-10-22

77. *Prunella vulgaris* L. EE-0-TU392415
WS, Estonia, Pärnu county, Kinksi
58.62139, 23.71966, 2025-07-30

78. *Stachys palustris* L. EE-0-TU392384
WS, Estonia, Tartu county, Kavastu
58.38397, 27.10914, 2025-10-22

LINACEAE

79. *Linum catharticum* L. EE-0-TU392368
WS, Estonia, Saare county, Kesse
58.63789, 23.42802, 2025-07-29

OROBANCHACEAE

80. *Melampyrum nemorosum* L. EE-0-TU392414
WS, Estonia, Pärnu county, Kinksi
58.62266, 23.72030, 2025-07-30

PLANTAGINACEAE

81. *Plantago major* L. — EE-0-TU392427
WS, Estonia, Võru county, Voropi
57.84639, 27.63960, 2025-08-15

82. *Plantago media* L. — EE-0-TU392413
WS, Estonia, Saare county, Kesse
58.63216, 23.41951, 2025-07-29

83. *Veronica spicata* L. — EE-0-TU392447
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.35733, 24.04612, 2025-08-26

84. *Veronica teucrium* L. — EE-0-TU392450
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37673, 24.03702, 2025-08-26

POLYGONACEAE

85. *Rumex acetosella* L. — EE-0-TU392432
WS, Estonia, Võru county, Nedsaja
57.88255, 27.63209, 2025-08-15

86. *Rumex obtusifolius* L. — EE-0-TU392386
WS, Estonia, Tartu county, Kavastu
58.38331, 27.11938, 2025-10-22

87. *Rumex thyrsiflorus* Fingerh. — EE-0-TU392405
WS, Estonia, Saare county, Kesse
58.63520, 23.43976, 2025-07-29

88. *Rumex thyrsiflorus* Fingerh. — EE-0-TU392428
WS, Estonia, Võru county, Voropi
57.84472, 27.63971, 2025-08-15

PRIMULACEAE

89. *Lysimachia vulgaris* L. — EE-0-TU392372
WS, Estonia, Võru county, Lüübnitsa
58.05717, 27.59564, 2025-11-23

90. *Primula veris* L. — EE-0-TU392403
WS, Estonia, Pärnu county, Hanila
58.58420, 23.56767, 2025-07-28

91. *Trientalis europaea* L. — EE-0-TU392434
WS, Estonia, Võru county, Korela
57.89018, 27.66078, 2025-08-15

RANUNCULACEAE

92. *Ranunculus sceleratus* L. — EE-0-TU392367
WS, Estonia, Saare county, Kesse
58.63249, 23.44240, 2025-07-29

ROSACEAE

93. *Comarum palustre* L. — EE-0-TU392381
WS, Estonia, Rapla county, Reonda
58.74228, 24.98538, 2025-09-28

94. *Filipendula ulmaria* (L.) Maxim. — EE-0-TU392382
WS, Estonia, Tartu county, Kavastu
58.38329, 27.10768, 2025-10-22

95. *Filipendula vulgaris* Moench — EE-0-TU392406
WS, Estonia, Saare county, Kesse
58.63574, 23.43942, 2025-07-29

96. *Filipendula vulgaris* Moench — EE-0-TU392421
WS, Estonia, Valga county, Tsirgumäe
57.59615, 26.32867, 2025-08-13

97. *Potentilla argentea* L. — EE-0-TU392425
WS, Estonia, Võru county, Voropi
57.84332, 27.61601, 2025-08-15

98. *Sanguisorba minor* Scop. — EE-0-TU392424
WS, Estonia, Võru county, Voropi
57.84314, 27.61475, 2025-08-15

RUBIACEAE

99. *Galium aparine* L. — EE-0-TU392388
WS, Estonia, Tartu county, Kavastu
58.38517, 27.11352, 2025-10-22

100. *Galium verum* L. — EE-0-TU392452
WS, Estonia, Harju county, Paldiski, Pakri Peninsula
59.37559, 24.03615, 2025-08-26

SAXIFRAGACEAE

101. *Chrysosplenium alternifolium* L. — EE-0-TU392390
WS, Estonia, Võru county, Kirikuküla
57.90414, 26.55262, 2025-05-11

SCROPHULARIACEAE

102. *Verbascum thapsus* L. — EE-0-TU392370
WS, Estonia, Harju county, Tallinn
59.45297, 24.81566, 2025-08-20

2) Propagules collected in our garden

MONILOPHYTA / POLYPODIOPSIDA

ASPLENIACEAE

103. *Asplenium fontanum* (L.) Bernh. ❄ CH0G-20171870
Z, Valais, 747m / Genf 2021

104. *Asplenium scolopendrium* L. ❄

105. *Asplenium septentrionale* (L.) Hoffm. ❄ EE-0-TU-2009-0451-1
Z, Estonia, Prangli Island, 2009

ATHYRIACEAE

106. *Athyrium otophorum* var. *okanum* Sa.Kurata ❄

107. *Athyrium sinense* Rupr. ❄

108. *Athyrium spinulosum* (Maxim.) Milde ❄

109. *Deparia conilii* (Franch. & Sav.) M.Kato ❄

110. *Diplazium sibiricum* (Turcz. ex Kunze) Sa.Kurata ❄
Z, Russia, Altai

BLECHNACEAE

111. *Struthiopteris spicant* (L.) Weiss ❄

CYSTOPTERIDACEAE

112. *Cystopteris bulbifera* (L.) Bernh. ❄

113. *Cystopteris fragilis* (L.) Bernh. ❄

114. *Cystopteris sudetica* A.Braun & Milde ❄ EE-0-TU-A-2019-2128
Z, Estonia, Ida-Viru County, Ontika, Klint forest, 2015

115. *Cystopteris* ×*laurentiana* (Weath.) Blasdell ❄
Z, USA, Wisconsin / Chemnitz 2020

116. *Gymnocarpium dryopteris* (L.) Newman ❄

117. *Gymnocarpium fedtschenkoanum* Pojark. ❄
Z, Pakistan, Shish Kush Chatral / Chemnitz 2018

118. *Gymnocarpium robertianum* (Hoffm.) Newman ❄ EE-0-TU-2000-0152-2
Z, Estonia, Hiiu county, Kõpu, Möirassoo, 2000

DENNSTAEDTIACEAE

119. *Dennstaedtia wilfordii* (T.Moore) H.Christ ❄

DRYOPTERIDACEAE

120. *Cyrtomium fortunei* var. *clivicola* (Makino) Tagawa ❄

121. *Cyrtomium fortunei* J.Sm. ❄

122. *Dryopteris blanfordii* (C.Hope) C.Chr. ❄
Z, NW-Indien, Jumma Kashmir, 2600 m / Chemnitz 2022

123. *Dryopteris carthusiana* (Vill.) H.P.Fuchs ❄ EE-0-TU-15-T515
Z, Estonia, Võru county, Vällämägi, 2015

124. *Dryopteris clintoniana* (D.C.Eaton) Dowell ❄

125. *Dryopteris crassirhizoma* Nakai ❄

126. *Dryopteris cycadina* (Franch. & Sav.) C.Chr. ❄

127. *Dryopteris dickinsii* (Franch. & Sav.) C.Chr. ❄

128. *Dryopteris erythrosora* (D.C.Eaton) Kuntze ❄

129. *Dryopteris goldieana* (Hook. ex Goldie) A.Gray ❄

130. *Dryopteris intermedia* (Muhl. ex Willd.) A.Gray ❄
Z, Canada: Québec: MRC Vaudreuil-Soulanges: L'Île Perrot. Forêt feuillue. ca 30 m. / Montreal 2016

131. *Dryopteris lacunosa* S.Jess., Zenner, Chr.Stark & Bujnoch ❄
Z, Schweiz,Tessin, bei Bellinzona, Carasso, 400 m / Chemnitz 2018

132. *Dryopteris marginalis* (L.) A.Gray ❄

133. *Dryopteris pseudofilix-mas* (Fée) Rothm. ❄

134. *Dryopteris schorapanensis* Askerov ❄

135. *Dryopteris sieboldii* (T.Moore) Kuntze ❄

136. *Dryopteris stewartii* Fraser-Jenk. ❄

137. *Polystichum acrostichoides* (Michx.) Schott ❄

138. *Polystichum aculeatum* (L.) Roth ❄

139. *Polystichum braunii* (Spenn.) Fée ❄

140. *Polystichum imbricans* (D.C.Eaton) D.H.Wagner ❄

141. *Polystichum lonchitis* (L.) Roth ❄

142. *Polystichum luctuosum* (Kunze) T.Moore ❄

143. *Polystichum makinoi* (Tagawa) Tagawa ❄

144. *Polystichum munitum* (Kaulf.) Presl ❄

145. *Polystichum neolobatum* Nakai ❄
Z, China, Yunnan, Jade Dragon Snow Mts., Lijiang, ca. 3000 m / Chemnitz 2018

146. *Polystichum polyblepharon* (Roem. ex Kunze) C.Presl ❄

147. *Polystichum rigens* Tagawa ❄

148. *Polystichum setiferum* (Forssk.) T.Moore ex Woyn. ❄

149. *Polystichum setigerum* (C.Presl) C.Presl ❄

150. *Polystichum tripteron* (Kunze) C.Presl ❄
Z, Russia

OPHIOGLOSSACEAE

151. *Ophioglossum vulgatum* L. ❄ EE-0-TU-17-T364
Z, Estonia, Pärnu county, Veelikse, 2017

PTERIDACEAE

152. *Pellaea atropurpurea* (L.) Link ❄

THELYPTERIDACEAE

153. *Phegopteris connectilis* (Michx.) Watt ❄ EE-0-TU-18-T281
Z, Estonia, Tartu county, Järvselja, 2018
154. *Phegopteris decursive-pinnata* (H.C.Hall) Fée ❄

WOODSIACEAE

155. *Woodsia polystichoides* D.C.Eat. ❄

ANTHOPHYTA / MONOCOTYLEDONAE

AMARYLLIDACEAE

156. *Allium amplectens* Torr.
157. *Allium auctum* Omelczuk UA-0-TU-2007-0451-1
Z, Ukraine, Tauria, Aju-Dag, 1980
158. *Allium carinatum* subsp. *pulchellum* (Regel) Bonnier & Layens
159. *Allium chloranthum* Boiss.
160. *Allium cristophii* Trautv.
161. *Allium flavum* L.
162. *Allium grande* Lipsky
Z, Russia, Dagestan, Mahatshkala
163. *Allium hymenorhizum* Ledeb.
164. *Allium lenkoranicum* Miscz. ex Grossh.
165. *Allium lipskyanum* Vved.
166. *Allium lycaonicum* Siehe ex Hayek
167. *Allium myrianthum* Boiss.
168. *Allium pskemense* B.Fedtsch.
169. *Allium sarawschanicum* Regel
170. *Allium sphaerocephalon* L.
171. *Allium strictum* Schrad.
172. *Allium unifolium* Kellogg
173. *Allium woronowii* Miscz. ex Grossh.
174. *Allium woronowii* Miscz. ex Grossh., white form
175. *Allium zebdanense* Boiss. & Noë
176. *Leucojum aestivum* L.

177. *Nectaroscordum tripedale* (Trautv.) Traub

ARACEAE

178. *Anthurium gracile* (Rudge) Lindl.
179. *Anthurium schlechtendalii* Kunth
180. *Arisaema amurense* Maxim. ❄
181. *Arum elongatum* Steven ❄
Z, Ukraine, Crimea, Bahtsi-Sharai
182. *Arum italicum* subsp. *albispathum* (Steven ex Ledeb.) Prime ❄
183. *Symplocarpus renifolius* Schott ex Tzvelev ❄ RU-0-TU-1987-0076-1
Z, Russia, Sakhalin Reg., Lyutoga R., 1987

ARECACEAE

184. *Chamaedorea oblongata* Mart.
185. *Sabal minor* (Jacq.) Pers.
186. *Serenoa repens* (W.Bartram) Small

ASPARAGACEAE

187. *Anthericum ramosum* L. FR-0-P-2012g408
Z, Fraissinet de Fourques, Lozère, l'Hom 1049 m
France / Paris Mus 2018
188. *Arthropodium cirratum* (G.Forst.) R.Br.
189. *Asparagus tenuifolius* Lam.
Z, Italia,Campriano/Monteroni d'Arbia / Siena 2006
190. *Bellevalia paradoxa* (Fisch. & C.A.Mey.) Boiss.
191. *Hosta longipes* var. *gracillima* (F.Maek.) N.Fujita
192. *Maianthemum stellatum* (L.) Link
193. *Muscari azureum* Fenzl 'Album'
194. *Muscari azureum* Fenzl XX-0-MJG-200217004
195. *Muscari latifolium* J.Kirk
196. *Muscari tenuiflorum* Tausch
197. *Ornithogalum arcuatum* Steven
198. *Paradisea liliastrum* (L.) Bertol.
199. *Polygonatum odoratum* var. *pluriflorum* (Miq.) Ohwi
200. *Polygonatum verticillatum* (L.) All.

ASPHODELACEAE

201. *Eremurus himalaicus* Baker
202. *Eremurus robustus* (Regel) Regel
203. *Eremurus* ×*isabellinus* P.Vilm.
204. *Gasteria carinata* (Mill.) Duval

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

BROMELIACEAE

206. *Aechmea cariocae* L.B.Sm.

COLCHICACEAE

207. *Colchicum szovitsii* Fisch. & C.A.Mey. 'Tivi'
208. *Colchicum szovitsii* subsp. *brachyphyllum* (Boiss. & Hausskn.) K.Perss.
209. *Disporum uniflorum* Baker
210. *Disporum viridescens* (Maxim.) Nakai

COMMELINACEAE

211. *Commelina dianthifolia* Redouté
212. *Tradescantia spathacea* Sw.
213. *Tradescantia* Andersoniana Group

COSTACEAE

214. *Costus afer* Ker Gawl. XX-0-IB-015655

CYPERACEAE

215. *Carex* 'Majken'
216. *Carex bohemica* Schreb.
217. *Carex flacca* Schreb.
218. *Carex tenuiculmis* (Petrie) Heenan & de Lange
219. *Kyllinga brevifolia* Rottb.

DIOSCOREACEAE

220. *Dioscorea caucasica* Lipsky

IRIDACEAE

221. *Iris bloudowii* Ledeb.
222. *Iris variegata* L.
223. ×*Pardancanda norrisii* L.W.Lenz

LILIACEAE

224. *Cardiocrinum cordatum* var. *glehnii* (F.Schmidt) H.Hara RU-0-TU-2005-0237-1
Z, Russia, Sachalin I., Holmsk, 1987
225. *Cardiocrinum giganteum* (Wall.) Makino
226. *Fritillaria michailovskyi* Fomin
227. *Fritillaria montana* Hoppe ex W.D.J.Koch
228. *Fritillaria pallidiflora* Schrenk ex Fisch. & C.A.Mey.

229. *Fritillaria sewerzowii* Regel
230. *Fritillaria tubiformis* Gren. & Godr.
231. *Fritillaria verticillata* Willd.
232. *Lilium leucanthum* (Baker) Baker XX-0-FB-6490
233. *Lilium martagon* L.
234. *Lilium regale* E.H.Wilson XX-0-HOH-SYS-3806-2020
235. *Prosartes smithii* (Hook.) Utech, Shinwari & Kawano
236. *Tulipa karabachensis* Grossh.

MELANTHIACEAE

237. *Melanthium virginicum* L.
238. *Veratrum nigrum* L.
Z, Russia, Altai Rep., Chemal, 1995

ORCHIDACEAE

239. *Stanhopea wardii* Lodd. ex Lindl. × self

POACEAE

240. *Chrysopogon gryllus* (L.) Trin.
241. *Coix lacryma-jobi* L.
242. *Festuca glauca* Vill. 'Auslese'
243. *Koeleria vallesiana* (Honck.) Bertol. ex Schult.
244. *Melica altissima* L. 'Atropurpurea'
245. *Milium effusum* L. 'Aureum'
246. *Sorghastrum nutans* (L.) Nash
Z, 2017-0352. Canada, Ontario, Abandoned railway line off Line 2 beside Lot 22 Minto Township. / Vancouver 2018
247. *Sorghum halepense* (L.) Pers. HR-0-TU-25-1756
Z, Croatia, Dubrovačko-neretvanska županija/Dubrovnik-Neretva County, Grad Ploče, 43.03806, 17.49348
248. *Stipa capillata* L.
249. *Stipa joannis* Čelak.
250. *Stipa pennata* L.

TOFIELDIACEAE

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

ZINGIBERACEAE

252. *Alpinia zerumbet* (Pers.) B.L.Burtt & R.M.Sm.
253. *Globba marantina* L. XX-0-STUTZ-002519

ANTHOPHYTA / EUDICOTYLEDONAE

ACANTHACEAE

254. *Megaskepasma erythrochlamys* Lindau
255. *Schaueria calytricha* (Hook.) A.L.A.Côrtes XX-0-BAS-446/89 G P

AIZOACEAE

256. *Tetragonia tetragonoides* (Pall.) Kuntze XX-0-BRNU-2017-00196

AMARANTHACEAE

257. *Achyranthes aspera* L.
258. *Amaranthus caudatus* L. XX-0-HOH-SYS-10854
259. *Celosia argentea* L. XX-0-HAL-788
260. *Celosia trigyna* L. XX-0-TAL-20081003
261. *Dysphania botrys* (L.) Mosyakin & Clemants
262. *Gomphrena haageana* Klotzsch
263. *Pleuropetalum darwinii* Hook.f.
264. *Teloxys aristata* (L.) Moq.

APIACEAE

265. *Angelica dahurica* (Hoffm.) Benth. & Hook.f. ex Franch. & Sav. 'BLBP 02' DE-0-KIEL-2021 0296 - 70 - 25
266. *Angelica gigas* Nakai
267. *Bupleurum longifolium* L.
Z, Bannans Doubs / Paris Mus 2007
268. *Bupleurum multinerve* DC.
Z, RU, Altai, Iolgo, Fl. Elekmonar an der Mündung Fl. Karakol, Wiesenhang, 11 / Osnabrück 2022
269. *Cenolophium fischeri* (Spreng.) W.D.J.Koch
270. *Chaerophyllum coloratum* L. AL-0-IB-017506
Z, W/AL-Bicaj / Innsbruck 2022
271. *Coriandrum sativum* L.
272. *Cyclospermum leptophyllum* (Pers.) Sprague FR-0-TAL20040547W
273. *Foeniculum vulgare* Mill.
274. *Meum athamanticum* Jacq.
275. *Molopospermum peloponnesiacum* (L.) W.D.J.Koch
276. *Myrrhis odorata* (L.) Scop.
277. *Oenanthe silaifolia* M.Bieb. XX-0-KIEL-2014 1131 - 80 - 54
278. *Pimpinella rhodantha* Boiss. XX-0-MW-2017-65
279. *Prangos trifida* (Mill.) Herrnst. & Heyn
280. *Taenidia integerrima* (L.) Drude
Z, Oka co.Deux-Montages / Montreal 2006

APOCYNACEAE

281. *Amsonia tabernaemontana* Walter
282. *Asclepias curassavica* L.
283. *Rauvolfia serpentina* (L.) Benth. ex Kurz

ARALIACEAE

284. *Aralia spinosa* L. XX-O-LI-11253
285. *Eleutherococcus setchuenensis* (Harms ex Diels) Nakai
Z, 1985/11472 China: Quinling Shan, Shaanxi prov.; 1600 m a.s.l. / Rogow 2015

ASTERACEAE

286. *Acmella oleracea* (L.) R.K.Jansen
287. *Anacyclus pyrethrum* (L.) Lag.
288. *Anthemis cotula* L. FR-0-BORD-180522
Z, Frankreich, Auriac-sur-Drope, Lot-et-Garonne / Giessen 2025
289. *Arctotis venusta* Norl.
290. *Arnica angustifolia* subsp. *tomentosa* (J.M.Macoun) G.W.Douglas & Ruyle-Dougl.
291. *Arnoglossum atriplicifolium* (L.) H.Rob. XX-0-WU-0029452
292. *Berlandiera lyrata* Benth. XX-0-BERN-2004/310 G S
293. *Carduus nutans* L.
294. *Carpesium cernuum* L.
295. *Carthamus lanatus* L.
296. *Centaurea benedicta* (L.) L.
297. *Centaurea macrocephala* Muss.Puschk. ex Willd.
298. *Centratherum punctatum* Cass.
299. *Coreopsis basalis* (A.Dietr.) S.F.Blake
300. *Coreopsis bigelovii* (A.Gray) Voss XX-0-HAL-2358
301. *Cosmos sulphureus* Cav.
302. *Crepis rubra* L. XX-0-BERN-2006/462
303. *Crupina vulgaris* Pers. ex Cass. RO-0-IAGB20121424W
304. *Dimorphotheca pluvialis* (L.) Moench XX-0-HAL-1194
305. *Echinacea paradoxa* Britton US-0-JENA-7640223
Z, USA, Missouri, Camden Co., Camdenden, Ha Ha Tonka Savanna / Jena 2021
306. *Eurybia sibirica* (L.) G.L.Nesom
307. *Flaveria trinervia* (Spreng.) C.Mohr
308. *Helenium amarum* (Raf.) H.Rock
309. *Helenium aromaticum* (Hook.) L.H.Bailey

310. *Helenium puberulum* DC. xx-0-DR-004255
311. *Helianthella quinquenervis* (Hook.) A.Gray
312. *Layia platyglossa* (Fisch. & C.A.Mey.) A.Gray
313. *Leibnitzia anandria* (L.) Turcz. XX-0-KL-2012/1286
314. *Lindheimera texana* A.Gray & Engelm.
315. *Mantisalca salmantica* (L.) Briq. & Cavill. FR-0-P-2019g158
Z, France,Viols le Fort (34) les Matelettes, 242 m / Paris Mus 2020
316. *Melampodium divaricatum* (Rich.) DC.
317. *Noticastrum diffusum* (Pers.) Cabrera AR-0-B-1210497
Z, AR: Provinz Buenos Aires; südlich Sierra de Tandil, Tandil / Hamburg 2022
318. *Onopordum acanthium* L.
319. *Osteospermum hyoseroides* (DC.) Norl.
320. *Osteospermum vaillantii* (Decne.) Norl. xx-0-DR-009468
321. *Parasenecio hastatus* (L.) H.Koyama
322. *Porophyllum tagetoides* (Kunth) DC. XX-0-Z-20190117
323. *Rhagadiolus stellatus* (L.) Gaertn. XX-0-HAL-1220
324. *Rudbeckia amplexicaulis* Vahl
325. *Sanvitalia procumbens* Lam. XX-0-IAGB198310362G
326. *Schkuhria pinnata* (Lam.) Kuntze
327. *Syneilesis aconitifolia* (Bunge) Maxim. XX-0-HBG-2016-F-282
328. *Tagetes lucida* Cav. xx-0-DR-004236
329. *Thelesperma burridgeanum* S.F.Blake
330. *Tolpis barbata* (L.) Gaertn.
331. *Tridax trilobata* (Cav.) Hemsl.
332. *Xanthisma texanum* DC.
333. *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
334. *Xeranthemum cylindraceum* Sibth. & Sm.
335. *Zinnia haageana* Regel

BASELLACEAE

336. *Basella alba* L. XX-0-KIEL-1985 1471 - 70 - 100

BERBERIDACEAE

337. *Caulophyllum robustum* Maxim. ❄ RU-0-TU-1984-0002-1
Z, Russia, Primorsk Reg., 1985
338. *Caulophyllum thalictroides* (L.) Michx. ❄
339. *Diphylleia cymosa* Michx.

BIGNONIACEAE

340. *Incarvillea mairei* (H.Lév.) Grierson
341. *Incarvillea olgae* Regel

BORAGINACEAE

342. *Cynoglossum amabile* Stapf & J.R.Drumm. XX-0-Z-20230284

BRASSICACEAE

343. *Alyssoides utriculata* (L.) Medik.
344. *Crambe cordifolia* Steven
345. *Eruca vesicaria* (L.) Cav.
346. *Fibigia clypeata* (L.) Medik. TR-0-M-2010/2484
Z, Turkey, Bolkar Dag / Plzen 2020
347. *Hesperis matronalis* subsp. *nivea* (Baumg.) E.P.Perrier SK-0-GB-1998-1197
Z, SVK / Stratenska Hornatina, Dolina Velkej Bielej Vody / Göteborg 2024
348. *Hesperis matronalis* L.
349. *Raffenaldia primuloides* Godr.
350. *Sisymbrium loeselii* L. DE-0-BHU-2023-0251
Z, Germany, Brandenburg, Landkreis Barnim, Eiche / Berliin Univ 2024

CAMPANULACEAE

351. *Campanula erinus* L. IT-0-SIENA-00190
352. *Campanula hofmannii* (Pantan.) Greuter & Burdet
353. *Campanula incurva* Aucher ex A.DC.
354. *Campanula punctata* Lam.
355. *Codonopsis lanceolata* (Siebold & Zucc.) Benth. & Hook.f. ex Trautv.
356. *Edraianthus niveus* Beck ME-0-REYK-2013-0036
Z, MNE / Reykjavik 2021
357. *Legousia falcata* (Ten.) Fritsch ex Janch.
358. *Lobelia inflata* L. XX-0-LZ-APO-243-2010
359. *Phyteuma orbiculare* L. XX-0-PORTY-21015
360. *Platycodon grandiflorus* (Jacq.) A.DC. Astra Series
361. *Triodanis perfoliata* (L.) Nieuwl.
Z, USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373 -72.651153 (WGS84) / Northampton 2024

CAPRIFOLIACEAE

362. *Centranthus macrosiphon* Boiss. XX-0-HAL-1238
363. *Cephalaria leucantha* (L.) Schrad.
364. *Dipsacus pilosus* L.
365. *Fedia cornucopiae* (L.) Gaertn.
366. *Lomelosia caucasica* (M.Bieb.) Greuter & Burdet XX-0-LZ-AW-94-1998
367. *Lomelosia palestina* (L.) Rafin. XX-0-MJG-190063430
368. *Lomelosia prolifera* (L.) Greuter & Burdet
369. *Lomelosia stellata* (L.) Raf.
370. *Lonicera ligustrina* var. *pileata* (Oliv.) Franch.
371. *Patrinia gibbosa* Maxim.
372. *Patrinia monandra* C.B.Clarke
373. *Scabiosa ochroleuca* L.
374. *Succisella inflexa* (Kluk) Beck
375. *Triosteum himalayanum* Wall.
376. *Valerianella coronata* (L.) DC.
    Z, F, Provence, Sault-en Vaucluse / Konstanz 2024

CARYOPHYLLACEAE

377. *Atocion compactum* (Fisch. ex Hornem.) Tzvelev RO-0-CLA-9919
    Z, RO, Măcinului Mountains, Distr. Tulcea, 110m, 44°29’N 28°26’E / Cluj-Napoca Univ 2020
378. *Dianthus armeria* L.
379. *Gypsophila vaccaria* (L.) Sm.
380. *Petrorhagia prolifera* (L.) P.W.Ball & Heywood
381. *Silene chalcedonica* (L.) E.H.L.Krause
382. *Silene coeli-rosa* (L.) Godr.
383. *Silene gallica* L. IT-0-STGAL-289/1987
384. *Silene macrophylla* Lag. XX-0-Z-19751382
385. *Silene pendula* L.
386. *Silene tatarica* (L.) Pers.
    Z, LT, the local area Liškiava, Varėna district / Siauliai 2021
387. *Silene zawadzkii* Herbich

CELASTRACEAE

388. *Catha edulis* Forsk. YE-0-BONN-19114
389. *Euonymus nanus* M.Bieb.

CLEOMACEAE

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

CONVOLVULACEAE

391. *Convolvulus tricolor* L.
392. *Ipomoea purpurea* (L.) Roth

CRASSULACEAE

393. *Graptopetalum filiferum* (S.Wats.) Whitehead

ERICACEAE

394. *Erica spiculifolia* Salisb.

FABACEAE

395. *Lablab purpureus* (L.) Sweet
396. *Lathyrus niger* (L.) Bernh.
397. *Lathyrus undulatus* Boiss.
398. *Lupinus luteus* L. XX-0-BREMR-xxxx/3069
399. *Medicago orbicularis* (L.) Bartal. IT-0-SIENA-00685
400. *Melilotus officinalis* (L.) Lam.
401. *Trifolium incarnatum* L.
402. *Trigonella caerulea* (L.) Ser.
403. *Trigonella foenum-graecum* L.
404. *Vicia ervilia* (L.) Willd. FR-0-P-2023g135
Z, France, Malaucène – en montant au Mont Ventoux, 330m / Paris Mus 2024
405. *Vicia grandiflora* Scop.
Z, A, B, Rechnitz, Galgenberg, dry grassland, schist, 400 a.s.l., 7/14 L / Salzburg 2015

GENTIANACEAE

406. *Gentiana asclepiadea* L.
407. *Sabatia angularis* (L.) Pursh XX-0-STGAL-480/2016
408. *Swertia speciosa* G.Don XX-0-LYAK-1992-0962

GERANIACEAE

409. *Erodium manescavi* Coss.
410. *Geranium yoshinoi* Makino ex Nakai XX-0-AMD-20111096

GESNERIACEAE

411. *Columnea sanguinea* (Pers.) Hanst. XX-0-ULM-1997-G-51

HYDRANGEACEAE

412. *Deinanthe bifida* Maxim.
413. *Kirengeshoma palmata* Yatabe

HYPERICACEAE

414. *Triadenum virginicum* (L.) Raf. US-0-TUEB-1763
Z, USA: MA, Hampshire Co. / Tübingen 2022

LAMIACEAE

415. *Amethystea caerulea* L.
416. *Betonica alopecuros* L.
Z, Bärental 900-1.600 m;Obir 1.600-2.000 m / Viin Belvedere 2017
417. *Callicarpa americana* L.
418. *Callicarpa cathayana* C.H.Chang
Z, China.Jiangsu.Yixing / La Genete 2013
419. *Dracocephalum bullatum* Forrest ex Diels XX-0-PRAZ-2020.00462
420. *Dracocephalum moldavica* L.
421. *Dracocephalum nutans* L.
422. *Dracocephalum renati* Emb.
423. *Elsholtzia ciliata* (Thunb.) Hyl.
424. *Galeopsis ladanum* L. XX-0-BREMR-2007/228
425. *Lallemantia canescens* (L.) Fisch. & C.A.Mey.
426. *Leonurus japonicus* Houtt.
427. *Nepeta nervosa* Royle ex Benth.
428. *Salvia amplexicaulis* Lam.
429. *Salvia argentea* L.
430. *Salvia coccinea* Buc'hoz ex Etl.
431. *Salvia hispanica* L.
432. *Salvia sclarea* L.
433. *Salvia verbenaca* L.
434. *Scutellaria baicalensis* Georgi
435. *Teucrium orientale* L.

LARDIZABALACEAE

436. *Sinofranchetia chinensis* Hemsl.

MAGNOLIACEAE

437. *Magnolia tripetala* (L.) L. ❄

MALVACEAE

438. *Alcea ficifolia* L.

439. *Alcea rosea* L.
440. *Gossypium arboreum* L.
441. *Hibiscus trionum* L.
442. *Lavatera trimestris* L. 'Mont Blanc' XX-0-CLA-1671
443. *Lavatera trimestris* L. 'Pink Beauty' XX-0-CLA-1538
444. *Malope trifida* Cav.

MELASTOMATACEAE

445. *Monolena primuliflora* Hook. fil.

MELIACEAE

446. *Cipadessa baccifera* (Roth) Miq. PT-0-HOH-SYS-K-15423
447. *Turraea heterophylla* Sm.

MENISPERMACEAE

448. *Menispermum dauricum* DC.

MYRTACEAE

449. *Psidium guajava* L.

ONAGRACEAE

450. *Clarkia bottae* (Spach) F.H.Lewis & M.E.Lewis XX-0-NCY-20090379G
451. *Clarkia breweri* (A.Gray) Greene XX-0-TEBLI-00880
452. *Epilobium densiflorum* (Lindl.) Hoch & P.H.Raven XX-0-MJG-190045180
453. *Oenothera rosea* L'Hér. ex Aiton
454. *Oenothera versicolor* Lehm.

PAEONIACEAE

455. *Paeonia mascula* (L.) Mill.
456. *Paeonia mlokosewitschii* Lomakin, hybrid
457. *Paeonia peregrina* Miller
458. *Paeonia rockii* (S.G.Haw & Lauener) T.Hong & J.J.Li ex D.Y.Hong, seedling
459. *Paeonia tenuifolia* L.

PAPAVERACEAE

460. *Argemone mexicana* L. XX-0-HOH-SYS-13576
461. *Capnoides sempervirens* (L.) Borkh.
462. *Papaver rhoeas* L.

PHYTOLACCACEAE

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

464. *Rivina humilis* L. XX-0-STGAL-16639

PIPERACEAE

465. *Peperomia pseudovariegata* C.DC.

PITTOSPORACEAE

466. *Pittosporum tobira* (Murray) Aiton fil.

PLANTAGINACEAE

467. *Antirrhinum siculum* Mill.
Z, Syracus, (Sicile, Italie) / Paris Mus 2014
468. *Collinsia heterophylla* Buist ex Graham XX-0-ZAVRT-1635
469. *Digitalis lanata* Ehrh.
470. *Digitalis parviflora* Jacq.
471. *Digitalis viridiflora* Lindl. BG-0-GB-2001-1082
472. *Nuttallanthus canadensis* (L.) D.A.Sutton
Z, Holyoke Community College, Parking Lot K, 136 m / Northampton 2024
473. *Plantago aristata* Michx.
474. *Plantago lagopus* L. FR-0-P-2018g41
Z, Béziers (34) aire d'autoroute Béziers-Montblanc 36 m. France / Paris Mus 2023
475. *Veronica kemulariae* A.I.Kuth.

PLUMBAGINACEAE

476. *Bukiniczia cabulica* (Boiss.) Lincz.

POLEMONIACEAE

477. *Ipomopsis rubra* (L.) Wherry US-0-HBG-207-S-137
Z, USA, WI., Onalsaka / Giessen 2024
478. *Phlox drummondii* Hook. XX-0-GIESS-0-U-1786
479. *Polemonium pauciflorum* S.Watson

POLYGONACEAE

480. *Fagopyrum tataricum* (L.) Gaertn.
481. *Pteroxygonum giraldii* Dammer & Diels CN-0-GB-2008-2410
Z, CHN: Shaanxi, Quin Ling mountains, Taibai Shan, 1350–1400 m / Göteborg 2022
482. *Rheum palmatum* L. CN-0-GIESS-2006-J-304
Z, China, Shaanxsii, Tai Bai Shan, 2600m / Giessen 2021

PRIMULACEAE

483. *Androsace maxima* L.
484. *Cyclamen hederifolium* Aiton
485. *Lysimachia davurica* Ledeb.
486. *Lysimachia minoricensis* J.J.Rodr. ES-0-MA-00086
487. *Lysimachia quadrifolia* L. XX-0-TUEB-671
488. *Lysimachia sikokiana* Miq.
489. *Primula veris* subsp. *macrocalyx* (Bunge) Lüdi GE-0-BONN-26191

RANUNCULACEAE

490. *Aconitum henryi* E.Pritz. CN-0-REYK-2015/001
Z, CHN: Shaanxi Province, Nan Gong Shan, 1900 m / Reykjavik 2021
491. *Actaea asiatica* H.Hara
492. *Actaea rubra* f. *neglecta* (Gillman) B.L.Rob.
493. *Actaea simplex* (DC.) Wormsk. ex Prantl 'Hillside Black Beauty'
494. *Anemonastrum narcissiflorum* (L.) Holub
Z, Switzerland, Alt St.Johann SG, Churfirsten,1665m / Zürich Univ 2007
495. *Aquilegia longissima* A.Gray ex S.Watson
496. *Aquilegia vulgaris* L. 'Tower White'
497. *Aquilegia vulgaris* L. 'Winky Double Dark-Blue-White'
498. *Aquilegia vulgaris* L. 'Woodside Red'
499. *Cimicifuga europaea* Schipcz.
500. *Clematis ochroleuca* Aiton
501. *Clematis pitcheri* Torr. & Gray
502. *Clematis potaninii* Maxim.
503. *Delphinium glareosum* Greene
504. *Glaucidium palmatum* Siebold & Zucc.
505. *Nigella nigellastrum* (L.) Willk. XX-0-MJG-19--45700
506. *Thalictrum petaloideum* L.
507. *Thalictrum uchiyamae* Nakai
508. *Trollius chinensis* subsp. *macropetalus* (Regel) Luferov
509. *Trollius farreri* Stapf XX-0-REYK-2000/004
510. *Trollius ranunculoides* Hemsl.

ROSACEAE

511. *Alchemilla erythropoda* Juz.
512. *Alchemilla mollis* (Buser) Rothm. 'Thriller'
513. *Exochorda serratifolia* S.Moore
514. *Filipendula glaberrima* Nakai

515. *Gillenia trifoliata* (L.) Moench
516. *Rosa maximowicziana* Regel
517. *Sorbus cashmiriana* Hedl.
518. *Sorbus scopulina* var. *cascadensis* (G.N.Jones) C.L.Hitchc.

RUBIACEAE

519. *Asperula arvensis* L. XX-0-ULM-2008-F-177
520. *Asperula orientalis* Boiss. & Hohen. xx-0-DR-006719
521. *Crucianella angustifolia* L.
522. *Crucianella latifolia* L.
Z, Marseille bois des Walkiries (France, 13), 50 m / Grenoble 2021
523. *Galium rotundifolium* L. AT-0-KL-2012/1089
Z, K.Grafenstein, Sabuatach, 630m, N46 35 09 E14 28 09 / Klagenfurt 2014
524. *Hamelia patens* Jacq.
525. *Morinda citrifolia* L. XX-0-DELF-2009GR0092

SAPINDACEAE

526. *Cardiospermum halicacabum* L. XX-0-Z-20000551

SARRACENIACEAE

527. *Sarracenia purpurea* L.

SAXIFRAGACEAE

528. *Astilbe rivularis* Buch.-Ham. ex D.Don CN-0-GIESS-2000-J-1479
Z, Tibet, Kailash, Him. / Giessen 2022
529. *Micranthes manchuriensis* (Engl.) Gornall & H.Ohba
530. *Saxifraga kolenatiana* Regel

SCHISANDRACEAE

531. *Schisandra chinensis* (Turcz.) Baill.

SCROPHULARIACEAE

532. *Alonsoa meridionalis* (L.f.) Kuntze CL-0-TEBLI-02343
Z, Chile, Valparaíso Region, Santiago - Algarrobo / Teplice 2023
533. *Verbascum lanatum* Schrad. AT-0-GZU-16 1240

SOLANACEAE

534. *Anisodus stramoniifolius* (Wall.) G.Don XX-0-UNKAR-2011-5414
535. *Browallia americana* L.
536. *Nicotiana rustica* L. SI-0-LJU-G-003-526

537. *Nicotiana tabacum* L.
538. *Petunia axillaris* (Lam.) Britton, Sterns & Poggenb. xx-0-DR-004104
539. *Petunia integrifolia* (Hook.) Schinz & Thell.
540. *Physochlaina orientalis* (M.Bieb.) G.Don
541. *Solanum abutiloides* (Griseb.) Bitter & Lillo
542. *Solanum seaforthianum* Andrews

TROCHODENDRACEAE

543. *Trochodendron aralioides* P.F.Siebold & J.G.Zuccarini

VERBENACEAE

544. *Verbena macdougalii* A.Heller

Names and abbreviations of botanical gardens in the Index Seminum 2025

Berliin Univ	Institut Biologie Und Arboretum Humboldt-Univ Berlin
Brno Univ Masaryk	Botanical Garden Masaryk University, Faculty Of Sci
Chemnitz	Botanischer Garten Chemnitz
Cluj-Napoca Univ	Universitatea De Stiinte Agricole Gradina Agrobotanica
Genf	Conservatoire Et Jardin Botaniques De La Ville De Geneve
Giessen	Botanical Garden University Of Justus Liebeg
Grenoble	Jardin Alpin Du Lautaret Univ Grenoble Alpes-Bat.
Göteborg	Gothenbourg Botanical Garden
Hamburg	Universität Hamburg Botanischer Garten
Innsbruck	Botanical Garden And Alpine Garden Instit Of Botany Univer Of Innsbruck
Jena	Friedrich-Schiller-Universität Jena
Konstanz	Botanischer Garten Universität Konstanz
Klagenfurt	Kärntner Botanikzentrum Klagenfurt
Montreal	Jardin Botanique De Montreal
Northampton	The Botanic Garden Of Smith College
Osnabrück	Universität Osnabrück Botanischer Garten
Paris Mus	Museum Nat. D'Histoire Naturelle Dep. Des Jardins Botan. Et Zool.
Plzen	Zoological And Botanical Garden Of The Town Plzen
Reykjavik	Hortus Botanicus Reykjavikensis
Rogow	Rogow Arboretum Warsaw University Of Life Sciences
Salzburg	Univer Of Salzburg Department Of Org Biol Study Group Botan Garden
Siauliai	Botanical Garden Siauliai University
Siena	Orto Botanico Sez. Museo Botanico
Zürich Univ	Botanischer Garten Universität Zürich
Teplice	Teplice Botanical Garden
Tübingen	Botanischer Garten Der Universität Tübingen
Vancouver	Botanical Garden University Of British Columbia
Viin Belvedere	Bundesgärten Wien Alpengarten Im Belvederegarten

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DESIDERATA 2025

Please indicate your requests, one number per box and forward **before 31. March 2026**

Your address:

<u>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 the propagules!</u>

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 in formation 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