

**Index Seminar
2019-2020**



Margaret P. Holden 1991

**THE BOTANIC GARDEN
OF SMITH COLLEGE**

Greetings!

The **continuation** of our *Index Seminum* depends on a 75% response rate on our three question survey below. **A BIG Thank You to the 5 respondents of the 75 institutions that received seed from us last year.** Please help us evaluate our goals for *Index Seminum* by answering the 3 questions below.

This is a printed Index for those who prefer a copy mailed by U.S. Postal Service.

We adopted IrisBG collections software last year and prefer participants to use the online order form at this link if possible: <https://smith.indexseminum.org/>

Please provide answers to our Survey Questions via email with subject: Smith Index Survey or by regular mail.

1. If you have received seed from us in the past 2 to 5 years, please tell us if you have grown: none, some or all of it?
2. Has any of the material you have received from us become part of your permanent collection?
3. From 1 (very useful) to 5 (not useful at all), how useful is seed exchange for achieving your collections goals?

The Botanic Garden of Smith College comprises a campus-wide arboretum, specialty gardens, and a conservatory. The tender collection is housed in a complex of glasshouses, some dating to the late 19th century and designed by Lord & Burnham. The 125-acre campus supports hardy species, both native and exotic. This year, we offer 250 taxa including 108 collected from native populations in Connecticut (CT), Massachusetts (MA) and Michigan (MI). All seed/spores were collected in 2017 except those followed by ***[year]**, reoffered from previous years' lists. All seed is stored at 40°F; moist-stored seed will be shipped in moist sphagnum moss.

To learn more about the Botanic Garden of Smith College see our web site: <http://www.smith.edu/garden>.

NOTE: We support the Convention on Biological Diversity. The seeds or spores offered are distributed for the use of the common good in the areas of research and development of public gardens and plant collections. They should not be used for commercial profit. If publications result from the use of this material, we expect acknowledgement as the source of the material and an unsolicited reprint of any publication.

Each order is limited to 30 numbers

Orders can be placed until October 1 2020

**Contact: Seed Exchange, Botanic Garden, Smith College,
Northampton, MA 01063, USA**

Part 1 Seeds & spores collected in the wild

All seed in this section was collected from native populations in the United States (U.S.) in 2019 unless 2018 is listed.

Adoxaceae

1 *Viburnum acerifolium* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

2 *Viburnum lantanoides* Michx.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road, Sand Pit SW, 42.256996° | -72.822044° (WGS84). 2019-08-22. EMC & Intern. Prov: Wild.

Alismataceae

3 *Sagittaria latifolia* Willd.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Amaryllidaceae

4 *Allium tricoccum* Ait.

USA: Ohio, Licking County, Newark, Dawes Arboretum: Deep Woods/Woodland Garden, 39.976787° | -82.412583° (WGS84). 2019-10-15. EMC. Prov: Wild.

Anacardiaceae

5 *Rhus copallinum* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd; open deciduous woods, 142 - 145 m, 41.386698° | -72.624773° (WGS84). 2019-09-29. EMC. Prov: Wild.

Apocynaceae

6 *Asclepias incarnata* L.

USA: Massachusetts, Hampshire County, Belchertown, North Pond off Federal Street, 106 m, 42.344197° | -72.458718° (WGS84). 2019-10-06. EMC, Vincent Frano. Prov: Wild.

7 ***Asclepias syriaca* L.**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-11. JKR. Prov: Wild.

Araceae

8 ***Arisaema triphyllum* (L.) Torr.**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-07-14. EMC. Prov: Wild.

9 ***Symplocarpus foetidus* (L.) Nutt.**

USA: Massachusetts, Hampden County, Holyoke. Green Brook, 117 m, 42.222975° | -72.635144° (WGS84). 2019-07-21. EMC. Prov: Wild.

Araliaceae

10 ***Aralia hispida* Vent.**

USA: Massachusetts, Hampshire County, Southampton, Tripple Brook Farm Power Clearing, 42.206717° | -72.693431° (WGS84). 2019-10-04. EMC. Prov: Wild.

11 ***Aralia nudicaulis* L.**

USA: Massachusetts, Hampshire County, Pelham. Pelham Bower Studio, 340 m, 42.395317° | -72.405508° (WGS84). 2019-07-18. EMC, Vincent Frano. Prov: Wild.

12 ***Aralia nudicaulis* L.**

USA: Massachusetts, Franklin County, Hawley, Hawley Bog, 539 m, 42.575956° | -72.890886° (WGS84). 2019-07-03. EMC & Interns. Prov: Wild.

Asparagaceae

13 ***Maianthemum canadense* Desf.**

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

14 ***Maianthemum racemosum* (L.) Link.**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond upland, NW of Smith track, 62 m, 42.31648° | -72.644166° (WGS84). 2019-09-11. EMC. Prov: Wild.

15 ***Polygonatum biflorum* (Walter) Elliott**

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

Asteraceae

16 ***Ageratina altissima* (L.) R.M.King & H.Rob**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC. Prov: Wild.

17 ***Antennaria plantaginifolia* (L.) Richardson**

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-05-29. EMC & Interns. Prov: Wild.

18 *Eurybia divaricata* (L.) G.L.Nesom

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

19 *Hieracium paniculatum* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

20 *Hieracium venosum* L.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-07-16. EMC. Prov: Wild.

21 *Sericocarpus asteroides* (L.) B.S.P.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-10-23. EMC. Prov: Wild.

22 *Solidago bicolor* L.

USA: Massachusetts, Hampden County, Holyoke Community College, open pine oak woods East of Parking Lot O & P, 121 - 126 m, 42.197431° | -72.647438° (WGS84). 2019-11-11. EMC. Prov: Wild.

23 *Solidago caesia* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

24 *Symphotrichum laeve* (L.) A. & D.Love

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-11-11. EMC. Prov: Wild.

Betulaceae

25 *Betula alleghaniensis* Britt.

USA: Massachusetts, Hampden County, Holyoke. Green Brook, 117 m, 42.222975° | -72.635144° (WGS84). 2019-09-22. EMC. Prov: Wild. Det. by comparison.

26 *Carpinus betulus* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Nursery, SW corner between road and wooded edge, 121 - 124 m, 41.382745° | -72.623062° (WGS84). 2019-09-29. EMC. Prov: Wild.

Campanulaceae

27 *Lobelia inflata* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Nursery, SW corner between road and wooded edge, 121 - 124 m, 41.382745° | -72.623062° (WGS84). 2019-09-29. EMC. Prov: Wild.

Caryophyllaceae

28 *Paronychia canadensis* (L.) Wood

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; open dry sandy area within deciduous/conifer forest, 110 m, 41.383292° | -72.631522° (WGS84). 2019-09-29. EMC.

Prov: Wild.

Cistaceae

29 *Lechea intermedia* Legg.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road, Sand Pit, 293 - 293 m, 42.258134° | -72.819694° (WGS84). 2019-11-17. EMC. Prov: Wild.

Clethraceae

30 *Clethra alnifolia* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; soft water pond edge in open deciduous/conifer forest, 108 m, 41.383162° | -72.631563° (WGS84). 2019-11-29. EMC. Prov: Wild.

Cornaceae

31 *Cornus florida* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd; open deciduous woods, 142 - 145 m, 41.386698° | -72.624773° (WGS84). 2019-09-29. EMC. Prov: Wild.

Cyperaceae

32 *Carex folliculata* L.

USA: Massachusetts, Franklin County, Hawley, Hawley Bog, 539 m, 42.575956° | -72.890886° (WGS84). 2019-07-18. EMC & Interns. Prov: Wild.

33 *Dulichium arundinaceum* (L.) Britton

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Dryopteridaceae

34 *Polystichum acrostichoides* (Michx.) Schott.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, trail side shade NE of quarry, 153 m, 42.312644° | -72.731209° (WGS84). 2019-06-12. EMC & Interns. Prov: Wild.

Ericaceae

35 *Chimaphila maculata* (L.) Pursh.

USA: Massachusetts, Hampden County, Holyoke Community College, open pine oak woods East of Parking Lot O & P, 121 - 126 m, 42.197431° | -72.647438° (WGS84). 2019-11-11. EMC. Prov: Wild.

36 *Chimaphila umbellata* (L.) Barton.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-10-23. EMC. Prov: Wild.

37 *Gaylussacia baccata* (Wangenh.) K.Koch.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-07-16. EMC. Prov: Wild.

38 *Kalmia latifolia* L.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road, Sand Pit, 293 - 293 m, 42.258134° | -72.819694° (WGS84). 2019-11-17. EMC. Prov: Wild.

39 *Kalmia latifolia* L.

USA: Massachusetts, Hampshire County, Huntington Sampson Road Sand Pit West, 292 m, 42.258079° | -72.820054° (WGS84). 2019-11-17. EMC. Prov: Wild.

40 *Kalmia polifolia* Wangenh.

USA: Massachusetts, Franklin County, Hawley, Hawley Bog, 539 m, 42.575956° | -72.890886° (WGS84). 2019-07-03. EMC & Interns. Prov: Wild.

41 *Pyrola elliptica* Nutt.

USA: Massachusetts, Hampden County, Holyoke Community College, deciduous woods S of Parking Lot C & D, 109 - 118 m, 42.191756° | -72.651043° (WGS84). 2019-11-11. EMC. Prov: Wild.

42 *Vaccinium angustifolium* Ait.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-07-16. EMC. Prov: Wild.

43 *Vaccinium stamineum* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

Fabaceae

44 *Lespedeza capitata* Michx.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, open sandy area east of quarry, 151 m, 42.3117° | -72.731° (WGS84). 2018-12-01. EMC. Prov: Wild.

Hypericaceae

45 *Hypericum gentianoides* (L.) B.S.P.

USA: Connecticut, New Haven County, Madison, Summer Hill Nursery, rock outcrop SE corner, 118 m, 41.3827° | -72.623054° (WGS84). 2019-09-29. EMC. Prov: Wild.

46 *Hypericum punctatum* Lam.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC. Prov: Wild.

47 *Triadenum virginicum* (L.) Raf.

USA: Massachusetts, Hampshire County, Belchertown, North Pond off Federal Street, 106 m, 42.344197° | -72.458718° (WGS84). 2019-10-06. EMC, Vincent Frano. Prov: Wild.

Iridaceae

48 *Iris versicolor* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; soft water pond edge in open deciduous/conifer forest, 108 m, 41.383162° | -72.631563° (WGS84). 2019-09-29. EMC. Prov: Wild.

49 *Iris versicolor* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84).

Juncaceae

50 *Juncus marginatus* Rostk.

USA: Massachusetts, Hampshire County, Huntington Sampson Road Sand Pit West, 292 m, 42.258079° | -72.820054° (WGS84). 2019-08-22. EMC. Prov: Wild.

Lamiaceae

51 *Lycopus uniflorus* Michx.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

52 *Prunella vulgaris* L.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road, Sand Pit SW, 42.256996° | -72.822044° (WGS84). 2019-08-22. EMC & Intern. Prov: Wild.

53 *Scutellaria lateriflora* L.

USA: Massachusetts, Hampshire County, Belchertown, North Pond off Federal Street, 106 m, 42.344197° | -72.458718° (WGS84). 2019-10-06. EMC, Vincent Frano. Prov: Wild.

54 *Trichostema dichotomum* L.

USA: Massachusetts, Hampshire County, Belchertown, North Pond off Federal Street, 106 m, 42.344197° | -72.458718° (WGS84). 2019-10-06. EMC, Vincent Frano. Prov: Wild.

Liliaceae

55 *Clintonia borealis* (Aiton) Raf.

USA: Massachusetts, Franklin County, Hawley. Hawley Bog Woods, 584 m, 42.578889° | -72.890278° (WGS84). 2019-07-18. EMC. Prov: Wild.

56 *Erythronium americanum* Ker-Gawl.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-05-30. EMC. Prov: Wild.

57 *Medeola virginiana* L.

USA: Connecticut, Hartford County, West Suffield. Suffield Mountain East, 67 m. 2019-09-20. ADC. Prov: Wild.

58 *Medeola virginiana* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

Magnoliaceae

59 *Liriodendron tulipifera* L.

USA: Massachusetts, Hampshire County, Northampton. Fort Hill School woods, 47 m, 42.312822° | -72.630312° (WGS84). 2019-10-25. EMC. Prov: Wild.

Melanthiaceae

60 ***Trillium erectum* L.**

USA: Massachusetts, Hampden County, Holyoke. Holyoke Community College West, 121 m, 42.19655° | -72.653292° (WGS84). 2019-08-01. EMC & Interns. Prov: Wild.

61 ***Veratrum viride* Aiton**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-07-10. EMC & Interns. Prov: Wild.

62 ***Veratrum viride* Aiton**

USA: Massachusetts, Hampden County, Westfield. Little River at Stanley Park, 68 m, 42.119235° | -72.801526° (WGS84). 2019-07-14. EMC. Prov: Wild.

Melastomataceae

63 ***Rhexia virginica* L.**

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; soft water pond edge in open deciduous/conifer forest, 108 m, 41.383162° | -72.631563° (WGS84). 2019-09-29. EMC. Prov: Wild.

Menyanthaceae

64 ***Menyanthes trifoliata* L.**

USA: Massachusetts, Franklin County, Hawley, Hawley Bog, 539 m, 42.575956° | -72.890886° (WGS84). 2019-07-03. Shaine Meulmester (Intern). Prov: Wild.

Myricaceae

65 ***Comptonia peregrina* (L.) Coult.**

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, open sandy area east of quarry, 151 m, 42.31117° | -72.731° (WGS84). 2019-06-26. EMC & Interns. Prov: Wild.

66 ***Myrica gale* L.**

USA: Massachusetts, Franklin County, Hawley, Hawley Bog, 539 m, 42.575956° | -72.890886° (WGS84). 2019-07-18. EMC. Prov: Wild.

Onagraceae

67 ***Epilobium ciliatum* Raf.**

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Orobanchaceae

68 ***Agalinis tenuifolia* (M.Vahl) Raf.**

USA: Massachusetts, Hampshire County, Northampton. Mineral Hills Conservation Area, adjacent to quarry pond, 154 m, 42.312075° | -72.732594° (WGS84). 2019-10-06. EMC. Prov: Wild.

69 ***Aureolaria flava* (L.) Farw.**

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-10-23. EMC. Prov: Wild.

70 *Aureolaria pedicularia* (L.) Raf.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-10-23. EMC. Prov: Wild.

Penthoraceae

71 *Penthorum sedoides* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Phrymaceae

72 *Mimulus ringens* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC. Prov: Wild.

Pinaceae

73 *Tsuga canadensis* (L.) Carrière

USA: Massachusetts, Hampshire County, Huntington Sampson Road Sand Pit West, 292 m, 42.258079° | -72.820054° (WGS84). 2019-11-17. EMC. Prov: Wild.

Plantaginaceae

74 *Chelone glabra* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-29. EMC & F_D. Prov: Wild.

Poaceae

75 *Andropogon gerardii* Vitm.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-21. EMC & JSG. Prov: Wild.

76 *Panicum virgatum* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd. east; opening on west side of far pond., 85 - 89 m, 41.389694° | -72.622441° (WGS84). 2019-09-29. EMC. Prov: Wild.

77 *Sorghastrum nutans* (L.) Nash

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-21. EMC & JSG. Prov: Wild.

Polygalaceae

78 *Polygala sanguinea* L.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road Sand Pit East, conifer-

deciduous woods, 293 - 293 m, 42.258451° | -72.819046° (WGS84). 2019-08-04. EMC. Prov: Wild.

Polypodiaceae

79 *Polypodium virginianum* L.

USA: Massachusetts, Hampden County, Holyoke Community College, deciduous woods S of Parking Lot C & D, 109 - 118 m, 42.191756° | -72.651043° (WGS84). 2019-08-01. EMC. Prov: Wild.

Primulaceae

80 *Lysimachia borealis* (Raf.) U.Manns & A.Anderb.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road Sand Pit East, conifer-deciduous woods, 293 - 293 m, 42.258451° | -72.819046° (WGS84). 2019-08-04. EMC. Prov: Wild.

81 *Lysimachia ciliata* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC. Prov: Wild.

Ranunculaceae

82 *Aquilegia canadensis* L.

USA: Massachusetts, Hampden County, Holyoke Community College, deciduous woods S of Parking Lot C & D, 109 - 118 m, 42.191756° | -72.651043° (WGS84). 2019-07-16. EMC & Interns. Prov: Garden.

83 *Coptis trifolia* (L.) Salisb.

USA: Massachusetts, Hampshire County, Pelham. Pelham Bower Studio, 340 m, 42.395317° | -72.405508° (WGS84). 2019-07-24. EMC, Vincent Frano. Prov: Wild.

Rhamnaceae

84 *Ceanothus americanus* L.

USA: Massachusetts, Hampden County, Holyoke Community College, Parking Lot K, 136 m, 42.198373° | -72.651153° (WGS84). 2019-08-22. EMC & Interns. Prov: Garden.

Rosaceae

85 *Spiraea tomentosa* L.

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; open dry sandy area within deciduous/conifer forest, 110 m, 41.383292° | -72.631522° (WGS84). 2019-09-28. EMC. Prov: Wild.

Rubiaceae

86 *Cephalanthus occidentalis* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-29. EMC. Prov: Wild.

87 *Houstonia caerulea* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, open sandy area east of quarry, 151 m, 42.31117° | -72.731° (WGS84). 2019-07-03. EMC & Interns.

Prov: Wild.

88 *Mitchella repens* L.

USA: Massachusetts, Hampshire County, Northampton, Mineral Hills Conservation Area, summit trail west of quarry, 220 - 230 m, 42.313854° | -72.736477° (WGS84). 2019-09-08. EMC. Prov: Wild.

Saxifragaceae

89 *Tiarella cordifolia* L.

USA: Massachusetts, Hampden County, Westfield. Little River at Stanley Park, 68 m, 42.119235° | -72.801526° (WGS84). 2019-05-26. EMC. Prov: Wild.

Scrophulariaceae

90 *Scrophularia marilandica* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Typhaceae

91 *Sparganium androcladum* (Engelm.) Morong

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-18. EMC & F_D. Prov: Wild.

Urticaceae

92 *Urtica dioica* L.

USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84). 2019-10-21. EMC & JSG. Prov: Wild.

Violaceae

93 *Viola sagittata* Ait.

USA: Massachusetts, Hampshire County, Huntington, Sampson Road, Sand Pit, 293 - 293 m, 42.258134° | -72.819694° (WGS84). 2019-08-22. EMC & Intern. Prov: Wild.

Xyridaceae

94 *Xyris difformis* Chapm. var. *difformis*

USA: Connecticut, New Haven County, Madison, Summer Hill Rd west; soft water pond edge in open deciduous/conifer forest, 108 m, 41.383162° | -72.631563° (WGS84). 2019-11-29. EMC. Prov: Wild.

Part 2

Seeds & spores from cultivation/outdoors

All seeds in this section are the result of open pollination.

Actinidiaceae

- 95 ***Actinidia arguta* (Siebold & Zucc.) Planch. ex Miq.**
2019-10-04. EMC. Acc: Tripple Brook Farm Plant Nursery, Southampton, MA. Prov: Garden.
- 96 ***Actinidia kolomikta* (Rupr. & Maxim.) Maxim. 'Aromatnaya'**
2019-10-08. EMC. Acc: 2001-0651. Prov: Garden.

Adoxaceae

- 97 ***Sambucus racemosa* L.**
2019-06-26. JKR. Acc: 2012-0233, USA: Massachusetts, Franklin County, Cummington. William Cullen Bryant Old Growth Woods, collection location requested. Prov: Wild.
- 98 ***Viburnum utilie* Hemsl. ex Forb. & Hemsl.**
2019-09-18. EMC. Acc: Polly Hill Arboretum 95-033. Prov: Garden.

Amaryllidaceae

- 99 ***Allium flavum* L.**
2019-08-15. JKR. Acc: 1970-0602. Prov: Garden.

Annonaceae

- 100 ***Asimina triloba* (L.) Dunal**
2019-10-01. EMC. Prov: Garden.

Apocynaceae

- 101 ***Amsonia ciliata* Walt.**
2019-10-17. JKR. Acc: 2016-0104. Prov: Garden.
- 102 ***Amsonia elliptica* Roem. & Schult.**
2019-09-30. JKR. Acc: 1999-0074. Prov: Garden.
- 103 ***Amsonia hubrichtii* Woodson**
2019-09-30. JKR. Acc: 1992-0453, USA: Arkansas, Montgomery County, Watachaw Mt. 1992-12-01. Nicholson, R.G.. Prov: Garden - wild origin.
- 104 ***Amsonia orientalis* Decne.**

2019-10-15. JKR. Acc: 2001-0886. Prov: Garden.

Aquifoliaceae

- 105 *Ilex opaca* Ait.
2019-10-29. BLG. Acc: 1970-0083. Prov: Garden.
- 106 *Ilex verticillata* (L.) A.Gray
2019-09-23. BLG. Acc: 1939-0031. Prov: Unrecorded.

Araceae

- 107 *Arisaema ciliatum* H.Li
2019-12-03. Jacques Thompson. Prov: Garden.
- 108 *Arisaema consanguineum* Schott 'Silver Center'
2019-12. EMC. Acc: 2017-0293. Prov: Garden.
- 109 *Arisaema dracontium* (L.) Schott
2019-09-20. JKR. Acc: 2012-0230, USA: Michigan, Ingham County, Lansing. Biggie Munn Park, 259 m, 42 41 02 N | 84 31 17 W. 2009-09. Prov: Garden - wild origin.
- 110 *Arisaema flavum* (Forssk.) Schott.
2019-09. Jacques Thompson. Acc: Jaques Thompson ex. Chadwell seed. Prov: Garden.
- 111 *Arisaema sikokianum* Franch. & Sav.
2019-12-03. Jacques Thompson. Prov: Garden.
- 112 *Arisaema thunbergii* Blume subsp. *urashima* (H.Hara) H.Ohashi & J.Murata
2019-12-03. Jacques Thompson. Prov: Garden.
- 113 *Pinellia tripartita* (Bl.) Schott.
2019-07-16. JKR. Acc: 1995-0035. Prov: Unrecorded.

Araliaceae

- 114 *Aralia cordata* Thunb. f. *sachalinensis* Regel
2019-09-05. JKR. Acc: 1992-0401. Prov: Garden.

Aristolochiaceae

- 115 *Asarum canadense* L.
2019-06-09. EMC & Interns. Acc: 1951-0144. Prov: Garden.
- 116 *Asarum europaeum* L.
2019-09-25. EMC & Interns. Acc: 1967-0136. Prov: Garden.
- 117 *Isotrema macrophyllum* (Lam.) C.F.Reed
2019-10-29. BLG. Acc: 1970-3132. Prov: Unrecorded.
- 118 *Saruma henryi* Oliver
2019-06-29. EMC. Prov: Garden.

Asparagaceae

- 119 *Anthericum liliago* L.
2019-08-06. JKR. Acc: 1979-0126. Prov: Garden.
- 120 *Anthericum ramosum* L.
2019-08-15. JKR. Acc: 1999-0137, AUT: Styria, Bruck an der Mur, Hockschwab, Mariazell, 1000 m. Prov: Garden - wild origin.

- 121 *Disporum viridescens* (Maxim.) Nakai
2019-09-20. JKR. Acc: 2001-0124. Prov: Garden.
- 122 *Hosta clausa* Nak. var. *normalis* Maek.
2019-10-28. JKR. Acc: 2009-0093, CHN: Jilin Province, along the North Korean border in Jilin Province. Dr. Zhao Yu Tang. Prov: Garden - wild origin.
- 123 *Hosta kikutii* Maekawa var. *polyneuron* Fujita
2019-10-28. JKR. Acc: 1984-0114. Prov: Garden.
- 124 *Hosta pulchella* Fujita
2019-09-23. JKR. Acc: 2001-0939. Prov: Unrecorded.
- 125 *Hosta tibai* Maek.
2019-11-07. JKR. Acc: 2003-0126. Prov: Garden.
- 126 *Hosta tsushimensis* Fujita
2019-11-07. JKR. Acc: 1982-0062, JPN: Nagasaki Prefecture, Tatsurayana, Tsushima Island, 620 m. Creech, John. Prov: Garden - wild origin.
- 127 *Hosta venusta* Maek.
2019-10-17. JKR. Acc: 1984-0273. Prov: Unrecorded.
- 128 *Hyacinthella leucophaea* Schur.
2019-06-27. EMC. Acc: 1999-0064. Prov: Garden.
- 129 *Ophiopogon kansuensis* Batalin
2019-10-28. JKR. Acc: 2004-0109. Prov: Garden.
- 130 *Polygonatum biflorum* (Walter) Elliot var. *commutatum* Schult.f.
2019-08-15. JKR. Acc: 1996-0126. Prov: Garden.
- 131 *Scilla scilloides* (Lindl.) Druce.
2019-10-28. JKR. Acc: 1994-0226. Prov: Garden.

Asteraceae

- 132 *Centratherum punctatum* Cass.
2019-09-26. JKR. Acc: 2013-0194. Prov: Garden.
- 133 *Chrysogonum virginianum* L.
2019-06-26. JKR. Acc: 1987-0466. Prov: Garden.
- 134 *Chrysopsis mariana* (L.) Elliott
2019-10-12. EMC. Prov: Garden.
- 135 *Eurybia divaricata* (L.) G.L.Nesom
2019-10-11. JKR. Acc: 2007-0269, USA: Massachusetts, Hampshire County, Smith College, probably near Paradise Pond and College Lane, 41 m. Prov: Garden - wild origin.
- 136 *Heliopsis helianthoides* (L.) Sweet
2019-08-22. JKR. Acc: 2013-0131, USA: Massachusetts, Hampshire County, Smith College Lyman Pond, 48 m, 42 19 06.93 N | 72 38 24.40 W. Prov: Garden - wild origin.
- 137 *Ionactis linariifolius* (L.) Greene
2019-11-03. EMC. Prov: Garden.
- 138 *Pityopsis falcata* (Pursh) Nutt.
2019-09-18. EMC. Acc: Polly Hill Arboretum 2018-048. Prov: Garden.
- 139 *Solidago odora* Ait.
2019-10-04. EMC. Acc: Tripple Brook Farm Plant Nursery, Southampton, MA. Prov: Garden.

Berberidaceae

- 140 *Diphylleia cymosa* Michx.

2019-07-15. EMC & Interns. Acc: 2007-0046. Prov: Garden.

141 *Jeffersonia diphylla* (L.) Pers.

2019-06-07. JKR. Acc: 2014-0254, USA: New York, Monroe County. Prov: Garden - wild origin.

142 *Jeffersonia dubia* (Maxim.) Benth. & Hook.f. ex Bak. & S.L.Moore

2019-06-11. JKR. Acc: 1992-0447. Prov: Unrecorded.

143 *Podophyllum peltatum* L.

2019-08-26. JKR. Acc: 1986-0463. Prov: Unrecorded.

Betulaceae

144 *Betula lenta* L.

2019-09-23. BLG. Acc: 2016-0084. Prov: Garden.

145 *Betula maximowicziana* Reg.

2019-09-04. BLG. Acc: 1994-0326, JPN: Hokkaido, 300 m. Prov: Garden - wild origin.

146 *Carpinus tschonoskii* Maxim.

2019-09-04. BLG. Acc: 1970-3805. Prov: Unrecorded.

Blechnaceae

147 *Woodwardia areolata* (L.) Moore

2019-10-11. JKR. Acc: 1970-2100. Prov: Unrecorded.

Brassicaceae

148 *Alyssum idaeum* Boiss.And Heldr.

2019-06-12. JKR. Acc: 1999-0396. Prov: Garden.

Cactaceae

149 *Opuntia macrorhiza* Engelmann

2019-10-28. JKR. Acc: 2006-0101. Prov: Garden.

Calycanthaceae

150 *Calycanthus chinensis* Cheng & Chang

2019-10-17. JKR. Acc: 1999-0536. Prov: Garden.

Campanulaceae

151 *Campanula alliariifolia* Willd.

2019-09-30. JKR. Acc: 1956-0993. Prov: Garden.

152 *Lobelia cardinalis* L.

2019-09-30. JKR. Acc: 2014-0018. Prov: Garden.

153 *Lobelia siphilitica* L.

2018-10-05. JKR. Acc: 1982-21583. Prov: Garden.

Caryophyllaceae

154 *Dianthus deltoides* L.

2019-06-27. JKR. Acc: 1984-0533. Prov: Garden.

155 *Dianthus superbus* L.

2019-07-11. JKR. Acc: 2014-0136, HUN: Budakalász, Budakalász. Prov: Garden - wild origin.

156 *Silene latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet

2019-06-21. JKR. Acc: 2014-0141, AUT: Salzburg, Hintergöriach, Hanseigut; Straßenböschung, 1210 m. 2012-07-07. Prov: Garden - wild origin.

Celastraceae

157 *Euonymus americanus* L.

2019-10-04. EMC. Acc: 2019-0129. Prov: Garden. Det. by comparison.

Cornaceae

158 *Cornus mas* L.

2019-09-17. BLG. Acc: 1993-0193. Prov: Unrecorded.

159 *Nyssa sylvatica* Marsh.

2019-09-04. BLG. Acc: 1985-0071. Prov: Unrecorded.

Crassulaceae

160 *Sedum hybridum* L.

2019-08-29. JKR. Acc: 2002-0194, RUS: Altai Mountains. Prov: Garden - wild origin.

161 *Sedum takesimense* Nakai

2019-08-29. JKR. Acc: 1996-0079, KOR: Kyongsang, Ulleung, Taeha, Ulleung Island. Prov: Garden - wild origin.

Dryopteridaceae

162 *Dryopteris goldiana* (Hook.) A.Gray

2019-06-21. JKR. Acc: 1999-0276. Prov: Garden.

163 *Polystichum acrostichoides* (Michx.) Schott.

2019-06-12. JKR. Acc: 1970-0166. Prov: Unrecorded.

164 *Polystichum acrostichoides* (Michx.) Schott. f. *multifidum* Clute

2019-06-12. JKR. Acc: 2002-0165, USA: Massachusetts, Hampshire County, West Chesterfield. Chesterfield Gorge by Westfield River, 42 22 N | 72 52 W. 1963. Burk, John. Prov: Garden - wild origin.

Ebenaceae

165 *Diospyros virginiana* L.

2019-10-04. EMC. Acc: Tripple Brook Farm Plant Nursery, Southampton, MA. Prov: Garden.

Ericaceae

166 *Kalmia angustifolia* L.

2019-09-30. JKR. Acc: 1995-0020, USA: Massachusetts, Hampshire County, Hatfield. Prov: Garden - wild origin.

167 *Rhododendron calendulaceum* (Michx.) Torr.

2019-11-14. BLG. Acc: 1970-0734. Prov: Unrecorded.

168 *Rhododendron carolinianum* Rehd.

2019-11-14. BLG. Acc: 1979-0449. Prov: Unrecorded.

169 *Rhododendron prinophyllum* (Small) Millais.

2019-11-14. BLG. Acc: 1996-0184. Prov: Unrecorded.

170 *Rhododendron schlippenbachii* Maxim.

- 2019-11-15. BLG. Acc: 1970-1013. Prov: Garden.
- 171 ***Rhododendron vaseyi* A.Gray**
2019-11-14. BLG. Acc: 1970-0735. Prov: Garden.
- 172 ***Rhododendron viscosum* (L.) Torr.**
2019-11-14. BLG. Acc: 1970-0237. Prov: Unrecorded.
- 173 ***Rhododendron yedoense* Maxim.**
2019-11-14. BLG. Acc: 1970-1021. Prov: Garden.
- 174 ***Tsusiophyllum tanakee* Maxim.**
2019-11-19. JKR. Acc: 1984-0321. Prov: Garden.
- 175 ***Vaccinium angustifolium* Ait. var. *laevifolium* House**
2019-06-27. JKR. Acc: 1970-0234. Prov: Garden.
- 176 ***Vaccinium corymbosum* L.**
2019-07-03. JKR. Acc: 2014-0024. Prov: Garden.

Fabaceae

- 177 ***Anthyllis vulneraria* L.**
2019-06-12. JKR. Acc: 1989-0275. Prov: Garden.
- 178 ***Chamaecrista fasciculata* (Michx.) Greene**
2019-09-30. JKR. Acc: 2013-0193. Prov: Garden.
- 179 ***Indigofera pseudotinctoria* Matsum**
2019-11-07. JKR. Acc: 1993-0083. Prov: Garden.
- 180 ***Maackia amurensis* Rupr. & Maxim.**
2019-10-03. BLG. Acc: 1931-7974. Prov: Unrecorded.

Gentianaceae

- 181 ***Gentiana andrewsii* Griseb.**
2019-11-11. EMC. Prov: Garden.
- 182 ***Gentiana clausa* Raf.**
2019-10-11. JKR. Acc: 2017-0280, USA: Massachusetts, Hampshire County, Smith College, Paradise Pond Upland: hemlock, pine, deciduous woods, south side Mill River, 62 m, 42 18.995 N | 72 38.646 W. 2014-10-22. Jeff K. Rankin. Prov: Garden - wild origin.

Geraniaceae

- 183 ***Geranium koreanum* Kom.**
2019-09-10. JKR. Acc: 1996-0062, KOR: Chirisan National Park, NW slope of Mt. Pongyabong, 700 - 1760 m, 35 19 N | 127 34 E. 1993-10-15. Nicholson, R.G. Prov: Garden - wild origin.
- 184 ***Geranium maculatum* L.**
2019-06-11. JKR. Acc: 2012-0020, USA: Massachusetts, Hampshire County, upland, 42 m, 42.317306 | -72.644606. Prov: Garden - wild origin.
- 185 ***Geranium swatense* Schonbeck-Temesy**
2019-09-10. JKR. Acc: 1997-0548, PAK: Gabral-Tal/Swat Division. Prov: Garden - wild origin.

Hamamelidaceae

- 186 ***Hamamelis virginiana* L.**

Hypoxidaceae

187 *Hypoxis hirsuta* (L.) Cov.

2019-06-18. JKR. Acc: 1996-0034, CAN: Ontario, Lambton, Walpole Island Indian Reserve.
Prov: Garden - wild origin.

Iridaceae

188 *Iris ensata* Thunb.

2019-09-11. JKR. Acc: 1994-0332, JPN: Hokkaido, Tomakomai-shi. 1980-07-28. K. Kawabata.
Prov: Garden - wild origin.

189 *Iris gracilipes* A.Gray

2019-07-15. EMC. Prov: Garden.

190 *Iris sibirica* L.

2019-08-29. JKR. Acc: 2001-0172, EST: Meerapolu, Tartumaa. Prov: Garden - wild origin.

191 *Iris sintenisii* Janka

2019-09-29. JKR. Acc: 1999-0078. Prov: Garden.

192 *Iris tectorum* Maxim.

2019-08-13. JKR. Acc: 2000-0080. Prov: Unrecorded.

193 *Sisyrinchium angustifolium* Mill.

2019-06-27. JKR. Acc: 1970-0520. Prov: Garden.

194 *Sisyrinchium mucronatum* Michx.

2019-06-27. JKR. Acc: 1993-0046. Prov: Garden.

Lamiaceae

195 *Dracocephalum argunense* Fisch. ex Link.

2019-07-11. JKR. Acc: 1970-0523. Prov: Unrecorded.

196 *Monarda fistulosa* L.

2019-09-11. JKR. Acc: 2011-0157, USA: New Jersey, Morris County. 2010. Gutierrez, K.. Prov:
Garden - wild origin.

197 *Salvia lyrata* L.

2019-06-26. JKR. Acc: 1999-0157. Prov: Garden.

198 *Salvia nemorosa* L.

2019-07-03. JKR. Acc: 2014-0140, AUT: Burgenland, Burgenland. Seewinkel, Feriendorf
Pannonia, 120 m, 47 44 31 N | 16 52 51 E. 2012-07-03. Prov: Garden - wild origin.

199 *Scutellaria incana* Spreng.

2019-09-18. EMC. Acc: Polly Hill Arboretum 2017-019. Prov: Garden.

200 *Scutellaria integrifolia* L.

2019-08-15. JKR. Acc: 1997-0563. Prov: Unrecorded.

Lauraceae

201 *Lindera benzoin* (L.) Blume

2019-09-06. JKR. Acc: 2014-0256, USA: Massachusetts, Hampshire County, upland, 42 m,
42.317306 | -72.644606. Prov: Garden - wild origin.

Liliaceae

- 202 *Lilium canadense* L.
2019-10-06. EMC. Prov: Garden.
- 203 *Lilium leichtlinii* Hook.f.
2019-08-29. JKR. Acc: 2016-0200. Prov: Garden.
- 204 *Tricyrtis hirta* (Thunb.) Hook.
2019-11-07. JEG. Acc: 1989-0072. Prov: Garden.

Magnoliaceae

- 205 *Magnolia tripetala* L.
2019-07-23. BLG. Acc: 1970-8033. Prov: Unrecorded.
- 206 *Magnolia virginiana* L.
2019-08-29. JKR. Acc: 1970-1184. Prov: Garden.

Malvaceae

- 207 *Abelmoschus esculentus* (L.) Moench
2019-10-11. JKR. Acc: 2019-0036. Prov: Garden. Det. by comparison.
- 208 *Callirhoe digitata* Nutt.
2019-08-29. JKR. Acc: 1997-0004. Prov: Garden.
- 209 *Callirhoe involucrata* (Torr. & A.Gray) A.Gray
2019-08-29. JKR. Acc: 1984-0195. Prov: Garden.

Melanthiaceae

- 210 *Melanthium virginicum* L.
2019-10-03. JKR. Acc: 2008-0113. Prov: Garden.
- 211 *Trillium × flexipes* Raf.
2019-07-25. Jacques Thompson. Prov: Garden.
- 212 *Trillium cuneatum* Raf.
2019-07-25. Jacques Thompson. Prov: Garden.
- 213 *Trillium erectum* L.
2019-07-25. EMC. Acc: 1986-0482. Prov: Garden.
- 214 *Veratrum lobelianum* Bernh.
2019-08-06. JKR. Acc: 1997-0032. Prov: Garden.

Oleaceae

- 215 *Chionanthus virginicus* L.
2019-09-04. BLG. Acc: 1937-0748. Prov: Unrecorded.

Onagraceae

- 216 *Chamerion angustifolium* (L.) Holub
2019-09-20. JKR. Acc: 1996-0129, USA: Vermont, Windsor County, Reading. 1991. Sue Schaffner. Prov: Garden - wild origin.
- 217 *Ludwigia alternifolia* L.
2019-11-09. EMC. Acc: 2014-0222, USA: Michigan, Southern Michigan. Prov: Garden - wild origin.

Paeoniaceae

- 218 *Paeonia mlokosewitschii* Lomak.
2019-09. Jacques Thompson. Acc: 2019-0121, ex. Chadwell seed 747.109 & 747.110. Prov: Garden. Det. by comparison.
- 219 *Paeonia obovata* Maxim.
2019-09-20. JKR. Acc: 2012-0236. Prov: Garden.
- 220 *Paeonia rockii* (S.G.Haw & Lauener) T.Hong & J.J.Li
2019-09-29. JKR. Acc: 2000-0082. Prov: Garden.

Papaveraceae

- 221 *Corydalis ophiocarpa* Hook.f. & Thomson
2019-06-12. JKR. Acc: 2015-0039. Prov: Garden.
- 222 *Papaver atlanticum* (Ball) Coss.
2019-06-17. JKR. Acc: 1988-0056. Prov: Garden.
- 223 *Sanguinaria canadensis* L.
2019-06-15. EMC. Prov: Garden.
- 224 *Stylophorum diphyllum* (Michx.) Nutt.
2019-06-22. EMC. Prov: Garden.

Pinaceae

- 225 *Larix laricina* (Du Roi) K.Koch
2018-10. BLG. Acc: 2010-0061. Prov: Garden.
- 226 *Larix sibirica* Ledeb.
2018-10-26. BLG. Acc: 1980-0193. Prov: Garden.

Plantaginaceae

- 227 *Chelone glabra* L.
2019-10-11. JKR. Acc: 1995-0346, USA: Massachusetts, Franklin County, Whately. Prov: Garden - wild origin.

Plumbaginaceae

- 228 *Armeria maritima* (Mill.) Willd.
2019-08-06. JKR. Acc: 2014-0174, DEU: Spiekeroog, Coast of NW Germany. 2012-10-22. Klaus Bartsch. Prov: Garden - wild origin.

Polemoniaceae

- 229 *Polemonium reptans* L.
2019-06-12. JKR. Acc: 1979-0218, USA: Wisconsin. Prov: Garden - wild origin.

Pteridaceae

- 230 *Adiantum aleuticum* (Ruprecht) Paris
2019-06-27. JKR. Acc: 1999-0223. Prov: Garden.
- 231 *Adiantum pedatum* L.
2019-07-12. JKR. Acc: 1999-0513. Prov: Garden.

Ranunculaceae

- 232 *Anemonopsis macrophylla* Sieb. & Zucc.**
2019-10-28. JKR. Acc: 1984-0258. Prov: Garden.
- 233 *Aquilegia atrata* Koch**
2019-07-12. JKR. Acc: 2014-0191, ITA: Pavia, Pavia. Piacenza e Pavia, Monte Lesima, 1650 m. Prov: Garden - wild origin.
- 234 *Aquilegia canadensis* L.**
2019-06-12. JKR. Acc: 1995-0479. Prov: Garden.
- 235 *Aquilegia discolor* Levier & Leresche**
2019-06-07. JKR. Acc: 1984-0358. Prov: Garden.
- 236 *Clematis recta* L.**
2019-08-15. JKR. Acc: 2016-0344, AUT: lower Austria, NSG Perchtoldsdorfer, Heide; Gebuschsaume, 320 m, 48 7 30 N | 16 12 29 E. Prov: Garden - wild origin.
- 237 *Hydrastis canadensis* L.**
2019-07-25. JKR. Acc: 1995-0461. Prov: Unrecorded.

Rosaceae

- 238 *Petrophytum caespitosum* (Nutt.) Rydb.**
2019-10-15. JKR. Acc: 1997-0561. Prov: Garden.
- 239 *Potentilla crantzii* (Crantz) G.Beck.**
2019-06-12. JKR. Acc: 1980-0136. Prov: Garden.
- 240 *Potentilla fissa* Nutt.**
2019-06-12. JKR. Acc: 1985-0025, USA: Colorado, Jefferson County. Prov: Garden - wild origin.
- 241 *Prunus maritima* Marsh.**
2019-09-07. BLG. Acc: 2003-0424. Prov: Garden.
- 242 *Rhodotypos scandens* (Thunb.) Mak.**
2019-09-06. BLG. Acc: 1970-0751. Prov: Unrecorded.
- 243 *Rubus odoratus* L.**
USA: Massachusetts, Hampshire County, Northampton, Paradise Pond floodplain, trails along the Mill River and N side of Paradise Pond (42m)., 42 m, 42.317503° | -72.644305° (WGS84).
2019-10-11. JKR. Prov: Wild.
- 244 *Sibbaldiopsis tridentata* (Ait.) Rydb.**
2019-10-04. EMC. Acc: Tripple Brook Farm Plant Nursery, Southampton, MA. Prov: Garden.
- 245 *Sibbaldiopsis tridentata* (Ait.) Rydb.**
2019-07-03. JKR. Acc: 1995-0027, USA: New Hampshire, Cheshire County, Mt. Monadnock. Prov: Garden - wild origin.
- 246 *Sorbus yuana* Spongberg**
2019-09-04. BLG. Acc: 1993-0149. Prov: Garden.

Rutaceae

- 247 *Orixa japonica* Thunb.**
2019-10-09. JKR. Acc: 2015-0021. Prov: Garden.

Salicaceae

- 248 *Populus deltoides* Marshall**
2019-06-03. BLG. Acc: 2005-0259. Prov: Garden - wild origin.

Sapindaceae

- 249 *Acer pensylvanicum* L.
2019-09-23. BLG. Acc: 2005-0205. Prov: Garden.
- 250 *Koelreuteria paniculata* Laxm.
2019-10-29. BLG. Prov: Garden.

Sciadopityaceae

- 251 *Sciadopitys verticillata* (Thunb.) Sieb. & Zucc.
2019-10-03. BLG. Acc: 1970-0090. Prov: Unrecorded.

Staphyleaceae

- 252 *Staphylea bumalda* DC.
2019-09-18. EMC. Acc: Polly Hill Arboretum 2007-420 Japan. Prov: Garden - wild origin.

Styracaceae

- 253 *Styrax obassia* Siebold & Zucc.
2019-10-29. BLG. Acc: 1986-0269, KOR: Hwado Myon. Prov: Garden - wild origin.

Symplocaceae

- 254 *Symplocos paniculata* (Thunb.) Miq.
2019-09-04. BLG. Acc: 1970-1101. Prov: Unrecorded.

Thymelaeaceae

- 255 *Daphne alpina* L.
2019-07-03. JKR. Acc: 1985-0402. Prov: Garden.
- 256 *Daphne mezereum* L.
2019-06-12. JKR. Acc: 1970-3874. Prov: Garden.
- 257 *Dirca palustris* L.
2019-06-11. EMC & Interns. Acc: 2009-0211. Prov: Garden.

Violaceae

- 258 *Viola pedatifida* G. Don
2019-09-11. JKR. Acc: 1982-0116. Prov: Garden.
- 259 *Viola pubescens* Ait. var. *scabriuscula* Torr. & Gray
2019-06-26. JKR. Acc: 1982-0175. Prov: Garden.

Xanthorrhoeaceae

- 260 *Asphodelus albus* Mill.
2019-08-06. JKR. Acc: 1997-0098. Prov: Garden.

Part 3

Seeds & spores from cultivation/conservatory

Seed set is generally minimal

Acanthaceae

261 *Crossandra nilotica* Oliv.

2019-11-14. EMC. Acc: 2016-0008. Prov: Garden.

Aizoaceae

262 *Delosperma harazianum* (Deflers) Poppend. & Ihlenf.

2019-06-21. EMC & Interns. Acc: 2015-0154, YEM:. Prov: Garden - wild origin.

263 *Delosperma sawdahense* H.E.K.Hartmann

2019-06-21. EMC & Interns. Acc: 2014-0369, SAU: Jabal Sawdah, 28 km NW. of Abha, 2700 m. Collenette. Prov: Garden - wild origin.

Amaryllidaceae

264 *Habranthus tubispathus* (L'Hér.) Traub

2019-08-02. EMC. Acc: 2001-0697, MDG: Mahajanga, 57.7km NW of Morarano Chrome toward Brieville near frontier to Prov. Tamatava. Prov: Garden - wild origin.

Anacampserotaceae

265 *Anacampseros filamentosa* (Haw.) Sims

2019-07-03. EMC. Acc: 1981-0078. Prov: Unrecorded.

266 *Anacampseros lanceolata* (Haw.) Sweet

2019-06-21. EMC & Interns. Acc: 1981-0079. Prov: Garden.

267 *Anacampseros rufescens* (Haw.) Sweet

2019-07-03. EMC. Acc: 1980-0373. Prov: Unrecorded.

Apocynaceae

268 *Asclepias curassavica* L.

2019-09-25. EMC. Acc: 1980-0266. Prov: Garden.

Aristolochiaceae

269 *Aristolochia fimbriata* Cham.

2019-10-28. EMC. Acc: 1998-0111. Prov: Garden.

Asparagaceae

270 *Massonia depressa* Houtt.

2019-04-04. EMC. Acc: 2017-0300. Prov: Garden. Det. by comparison.

Cactaceae

271 *Acanthocereus tetragonus* (L.) Hummelinck

2019-11-11. EMC. Acc: 1992-0327. Prov: Unrecorded.

272 *Harrisia pomanensis* (F.A.C.Weber) Britton & Rose

2019-11-05. EMC & JSG. Acc: 2006-0145, PRY: Rt. Trans chaco km. 310, Estancia Sombrepipi et. Stacion experimental del ministerio agricultura. Prov: Garden - wild origin.

273 *Mammillaria prolifera* (Miller) Haw. subsp. *texana* (Engelm.) Hunt(Engelm.) Krainz

2019-10-21. EMC. Acc: 1985-0604. Prov: Garden.

274 *Mammillaria sonorensis* Craig

2019-10-21. JSG. Acc: 1988-0565. Prov: Garden.

275 *Pfeiffera ianthothele* (Monv.) F.A.C.Weber

2019-11-05. EMC & JSG. Acc: 1998-0001. Prov: Unrecorded.

276 *Rhipsalis teres* (Vell.) Steud.

2019-10-21. JSG. Acc: 2010-0107, BRA: Rio de Janeiro, Mpio. de Rio de Janeiro, Jardin Botanico. Lombardi. Prov: Garden - wild origin.

Convolvulaceae

277 *Ipomoea lobata* (Cerv.) Thell.

2019-10-17. JKR. Acc: 1001-0094. Prov: Unrecorded.

Fabaceae

278 *Mimosa pudica* L.

2019-10-28. JKR. Acc: 1970-6593. Prov: Garden.

Iridaceae

279 *Dietes* sp.

2019-08-23. EMC. Acc: 1984-0386, BRA: São Paulo, Aclimação. 1978. Winters & Higgins. Prov: Garden.

Lamiaceae

280 *Ocimum basilicum* L. 'Cinnamon'

2019-11-05. R_C, JSG. Acc: 2007-0019. Prov: Garden.

~~281 *Pogostemon heyneanus* Benth.~~

~~2018-05-07. EMC. Acc: 1980-34880. Prov: Garden.~~ **OUT**

~~282 *Pogostemon heyneanus* Benth.~~

~~2019-06-25. EMC & Interns. Acc: 1980-0348~~ **OUT**

Melastomataceae

283 *Bertolonia maculata* Mart. ex Dc

2019-11-18. EMC & JSG. Acc: 2013-0105. Prov: Garden.

284 *Bredia hirsuta* Blume

2019-11-05. R_C, JSG. Acc: 1980-0117. Prov: Garden.

Myrtaceae

285 *Kunzea capitata* (Sm.) Heynh.

2019-11-20. DJB. Acc: 2003-0188. Prov: Garden.

286 *Psidium littorale* Raddi var. *littorale*

2019-11-07. EMC & Interns. Acc: 1970-6767. Prov: Unrecorded.

Rubiaceae

287 *Hydnophytum formicarum* Jack.

2020. Fresh Collect. Acc: 2013-0177, SGP:. 2002. Prov: Garden.

288 *Psychotria ipecacuana* (Brot.) Stokes

2019-04-03. EMC. Acc: 2004-0241. Prov: Garden.

Rutaceae

289 *Citrus junos* Siebold ex Tanaka 'Yuzu'

2019-12-07. EMC. Acc: 2010-0132. Prov: Garden.

Sapindaceae

290 *Cardiospermum halicacabum* L.

2019-11-02. EMC. Prov: Garden.

Solanaceae

291 *Capsicum annuum* L. var. *annuum*

2019-10-28. JKR. Acc: 1001-0100. Prov: Garden.

292 *Cyphomandra crassicaulis* (Ortega) Kuntze

2019-11-21. EMC & F_D. Acc: 2001-0836. Prov: Unrecorded.

293 *Petunia exserta* J.R.Stehm.

2019-09-22. EMC. Acc: 2014-0522. Prov: Garden.