



UBC  
Botanical  
Garden

# Index Seminum 2018



*Lobelia tupa* L.  
(UBC accession 1989-0529)  
Photo: Daniel Mosquin



THE UNIVERSITY OF BRITISH COLUMBIA

## UNIVERSITY OF BRITISH COLUMBIA (UBC) BOTANICAL GARDEN JARDIN BOTANIQUE DE UNIVERSITÉ DE LA COLOMBIE-BRITANNIQUE (UCB)

UBC Botanical Garden is Canada's oldest university botanic garden, established in 1916 under the directorship of John Davidson, British Columbia's first provincial botanist. The original mission of the garden was research into the native flora of British Columbia. Over the past 100 years, the mission of UBC Botanical Garden has broadened to include research, conservation, teaching and public display of temperate plants from around the world.

UBC Botanical Garden curates a collection of approximately 6,500 accessioned plants representing approximately 4,500 taxa from temperate regions around the world. Temperate forest plants of British Columbia, eastern North America and Asia are curated in woodland gardens and a classic alpine garden displays the diverse flora of high-altitude regions of the world.

Le Jardin botanique de l'UCB est le plus vieux Jardin botanique universitaire au Canada. Créé en 1916, sous la direction de John Davidson le premier botaniste provincial de la Colombie-Britannique, le but originel du jardin était la recherche sur la flore indigène britannico-colombienne. Au cours des 100 dernières années, le rôle du jardin a grandi pour inclure la recherche scientifique, la conservation de la biodiversité biologique, l'enseignement scolaire et surtout l'exposition des plantes de la zone tempérée du monde entier.

Sur le site du Jardin botanique de l'UCB se retrouve une collection de 6 500 plantes spécimens représentatives d'environ 4 500 taxa des régions tempérées du globe. Sous la canopée des arbres de provenance indigènes, une collection de plantes de la zone forestière de la Colombie-Britannique mélange avec celles de l'est de l'Amérique du Nord et de l'Asie. D'un autre coin, dans un alpinum classique, un jardin de plantes de zone alpine présente la flore diversifiée des régions de haute altitude.

### ADDRESS/ADRESSE

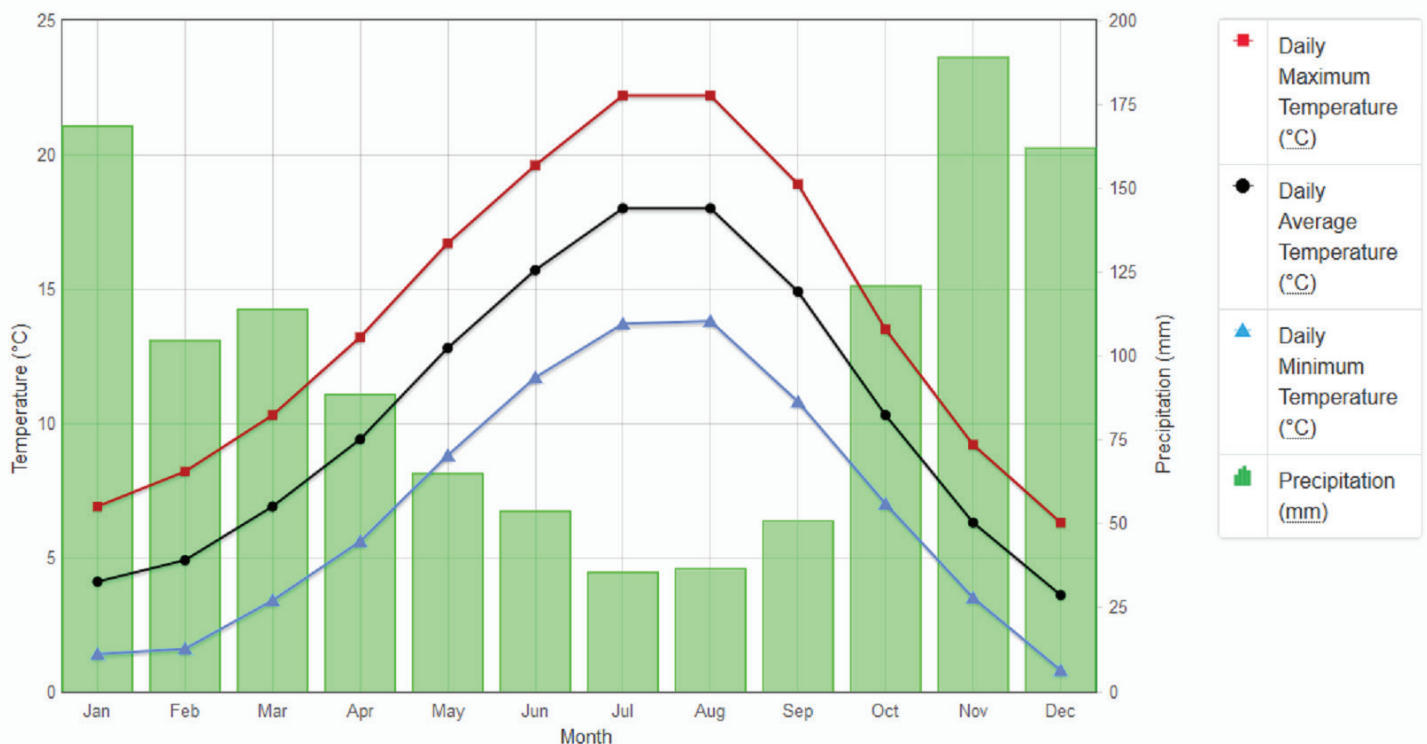
UBC Botanical Garden  
6804 SW Marine Drive  
Vancouver, BC, Canada, V6T 1Z4

### GEOGRAPHIC LOCATION/SITUATION GÉOGRAPHIQUE

Latitude: 49.254095  
Longitude: -123.251141  
Elevation/Élévation: 76 m

## CLIMATE DATA/DONNÉES CLIMATIQUES

Temperature and Precipitation Graph for 1981 to 2010 Canadian Climate Normals  
VANCOUVER INT'L A



## INDEX SEMINUM

UBC Botanical Garden's *Index Seminum* is published biennially. Listed seeds were collected in 2016 or 2017, and were stored at 4°C. All seeds were collected with appropriate permissions. All seeds are the result of open pollination. Seeds will be distributed in the order of requests received as long as supplies last.

L'Index Seminum du Jardin botanique de l'UCB est publié tous les deux ans. Les semences ici détaillées sont le résultat de pollinisation libre. Ils ont été récoltés durant les années 2016-2017 et entreposés à 4 °C depuis ce temps. Les collections de graine ont été recueillies avec toute permission requise. Les semences seront distribuées dans l'ordre des demandes reçues, dans la limite des stocks disponibles.

## INVASIVE SPECIES/ESPÈCES ENVAHISSANTES

UBC Botanical Garden does not knowingly distribute invasive species. However, some of the offered species may potentially be invasive in some climates. It is the responsibility of the importer to take the necessary measures to ensure that these species do not escape from cultivation.

Le Jardin botanique de l'UCB tente de ne pas distribuer les semences des espèces envahissantes. Cependant, certaines des plantes listées peuvent potentiellement être envahisseuses dans certains climats. Il est entièrement la responsabilité de l'importateur de poursuivre les mesures de contrôle phytosanitaire nécessaires afin d'éviter qu'elles s'échappent de culture.

## TAXONOMIC REFERENCES/RÉFÉRENCES TAXONOMIQUES

Angiosperm Phylogeny Group (APG) IV. 2016. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. *Bot. J. Linnean Soc.* 181: 1-20.

*Flora of North America North of Mexico*. Flora of North America Editorial Committee, eds. 1993+. 20+ vols. Web. Accessed October, 2017. [http://www.efloras.org/flora\\_page.aspx?flora\\_id=1](http://www.efloras.org/flora_page.aspx?flora_id=1)

*Germplasm Resources Information Network* (GRIN). Beltsville (MD): United States Department of Agriculture, Agricultural Research Service. Web. Accessed October, 2017. <https://npgsweb.ars-grin.gov/gringlobal/taxon/taxonomysearch.aspx>

*Michigan Flora Online*. A. A. Reznicek, E. G. Voss, & B. S. Walters. February 2011. University of Michigan. Web. Accessed October, 2017. <http://michiganflora.net/>

**SEEDS HARVESTED IN THE GARDEN/SEMENCES RÉCOLTÉES DANS LE JARDIN**

Order Number. Taxon Author  
Provenance, UBC BG Accession Number  
Country, State/Province, Locality. Collection Date Year-Month-Day. Collector. Collection Number.

Provenance Codes:

W: Accession of wild source

Z: Propagule (sexual) from a wild source plant in cultivation

G: Accession not of wild source

**Adoxaceae**

1. *Sambucus nigra* subsp. *cerulea* (Raf.) Bolli  
W, 2007-0076  
Canada, British Columbia, Hornby Island Ferry Terminal area.

**Alstroemeriaceae**

2. *Alstroemeria hookeri* Sweet  
G, 2012-0106

**Amaryllidaceae**

3. *Allium forrestii* Diels  
G, 2000-0185
4. *Allium platycaule* S.Watson  
G, 2004-0575
5. *Rhodophiala araucana* (Phil.) Traub  
G, 2011-0124

**Apiaceae**

6. *Eryngium eburneum* Decne.  
G, 2003-0268

**Araceae**

7. *Arisaema consanguineum* Schott  
W, 2010-0583  
China, Muli, close to top of pass on road from Yanyuan to Muli, 3228 m. Hill, Andy. BCHM.022

**Asteraceae**

8. *Celmisia spectabilis* Hook.f.  
G, 1989-0259
9. *Eriophyllum lanatum* (Pursh) J.Forbes  
G, 2005-0360
10. *Haplocarpha scaposa* Harv.  
W, 1996-0083  
South Africa, Top of Platberg, n. of Harrismith. DBGSA.151-94.

**Boraginaceae**

11. *Echium amoenum* Fisch. & C.A.Mey.  
W, 2001-0074  
Russian Federation, north Caucasus, silicate screes, 1600 m.

**Brassicaceae**

12. *Alyssum lenense* Adams  
G, 2012-0510

13. *Iberis gibraltarica* L.  
G, 2009-0398

**Campanulaceae**

14. *Lobelia tupa* L.  
W, 1989-0529  
Chile

15. *Wahlenbergia rivularis* Diels  
G, 2005-0113

**Crassulaceae**

16. *Umbilicus rupestris* (Salisb.) Dandy  
G, 2003-0112

**Cyperaceae**

17. *Carex grayi* J.Carey  
G, 2007-0356

**Ericaceae**

18. *Daboecia cantabrica* (Huds.) K.Koch  
G, 1974-1222

19. *Vaccinium cylindraceum* Sm.  
G, 1970-0004

**Fabaceae**

20. *Dorycnium hirsutum* Ser.  
G, 2000-0436

**Francoaceae**

21. *Francoa sonchifolia* Cav.  
G, 2008-0387



**Iridaceae**

22. *Crocsmia masoniorum* (L.Bolus) N.E.Br.  
G, 1996-0367

23. *Libertia ixioides* Spreng.  
G, 1979-0578

24. *Moraea alticola* Goldblatt  
W, 1997-0522  
South Africa, Sani-Pass, w.of Underberg

25. *Watsonia pillansii* L.Bolus  
G, 1999-0119

**Lamiaceae**

26. *Phlomis cashmeriana* Royle ex Benth.  
G, 2013-0051

27. *Prostanthera cuneata* Benth.  
G, 2001-0257

28. *Teucrium orientale* L.  
W, 2016-0011  
Georgia, Abastumani, 1200 m, 41.7525 42.831944. 2015-08-31. A. & P. Gröger. GE-0-M-2015/1691

**Liliaceae**

29. *Tulipa iliensis* Regel  
G, 2010-0488

**Montiaceae**

30. *Lewisia rediviva* Pursh var. *rediviva*  
Z, 2013-0232  
United States of America, Washington, Yakima County, Cascade Range, 1158 m. Ratko, Ron. NNS.00477

**Myrtaceae**

31. *Leptospermum rupestre* Hook.f.  
Z, 2009-0325  
Australia, Tasmania, above Lake Mackenzie. Reid, R.

**Nyctaginaceae**

32. *Mirabilis multiflora* (Torr.) A.Gray  
W, 2004-0168  
United States of America, Chaffee County, Colorado, 2317 m.

**Phrymaceae**

33. *Erythranthe lewisii* (Pursh) G.L.Nesom & N.S.Fraga  
W, 2016-0359  
Canada, Chilliwack River Valley, Chipmunk Creek Service Road, 1382 m, 49.16161 -121.69384. 2016-09-03. Stormes, Ben. bjs.2016-0063

**Plumbaginaceae**

34. *Armeria pseudarmeria* (Murr.) Mansf.  
W, 1998-0173  
Portugal, Cabo da Roca, Sintra Portugal.

**Ranunculaceae**

35. *Actaea cordifolia* DC.  
G, 2017-0393

36. *Clematis heracleifolia* DC.  
G, 2000-0299

**Rosaceae**

37. *Sorbus macrantha* Merr.  
W, 1994-0487  
China, Bei Ma Shan, N side nr.timber rd., Diqing Pref., 3800 m. KGB.0556

**Rubiaceae**

38. *Coprosma petriei* Cheeseman  
W, 1977-0796  
New Zealand, Southland Land District, 45.34'S 167.51'E.

**Rutaceae**

39. *Ptelea trifoliata* L.  
G, 2007-0251

**Saxifragaceae**

40. *Heuchera micrantha* var. *diversifolia* (Rydb.) Rosend., Butters & Lakela  
W, 2010-0110  
Canada, British Columbia, Vancouver Island, Harewood Plain, N facing exposed rock outcrop, with *Montia parviflora*. Wheeler, Tom.  
TAW.08#11.

**Scrophulariaceae**

41. *Synthyris missurica* subsp. *stellata* (Pennell) Kartesz & Gandhi  
G, 1995-0705

**SEEDS HARVESTED IN THE WILD/SEMENCES RÉCOLTÉES EN MILIEU NATUREL**

Order Number. Taxon Author.

UBCBG Accession Number. Country, Province, Locality. Habitat. Collection Date Year-Month-Day. Collection Number.

Collectors/Collecteurs

BJS: Ben Stormes

LJC: Laura Caddy

**Adoxaceae**

42. *Viburnum lentago* L.

2017-0362. Canada, Ontario, Bloc family properties, 43.659089 -80.513285 WGS84. Wooded fencerow in agricultural setting. Associated with *Sorbus aucuparia*, *Tilia americana*, *Cornus racemosa*, *Fraxinus americana*. 2017-10-05. BJS.17.050.

**Anacardiaceae**

43. *Rhus glabra* L.

2016-0371. Canada, British Columbia, Vaseux Lake, McIntyre Road, 379 m, 49.29556 -119.52462 WGS84. 2016-09-05. BJS.2016-0074.

**Betulaceae**

44. *Betula alleghaniensis* Britton

2017-0356. Canada, Ontario, Bloc family properties, 43.654411 -80.537994 WGS84. Seasonally flooded lowland. Associated with *Thuja occidentalis*, *Typha* sp., *Phalaris arundinacea*, *Taxus canadensis*. 2017-09-30. BJS.17.044.

45. *Betula alleghaniensis* Britton

2017-0379. Canada, Ontario, Thames Talbot Land Trust Property - Hawk Cliff Woods, 42.66373 -81.172628 WGS84. Coastal bluff. Associated with *Celtis occidentalis*, *Urtica dioica*, *Ostrya virginiana*. 2017-10-08. BJS.17.067.

46. *Carpinus caroliniana* Walter

2017-0374. Canada, Ontario, Thames Talbot Land Trust Property - Hawk Cliff Woods, 42.667952 -81.172708 WGS84. Beech/Maple upland forest. Associated with *Liriodendron tulipifera*, *Acer saccharum*, *Fagus grandifolia*, *Dryopteris* sp., *Phegopteris hexagonoptera*. 2017-10-07. BJS.17.062.

**Cornaceae**

47. *Cornus unalaschkensis* Ledeb.

2017-0425. Canada, British Columbia, Cypress Provincial Park, Yew Lake Trail, 930 m, 49.39874 -123.20909 NAD83. Growing in area between path and stream, in a forest clearing. Associated species *Tsuga mertensiana*, *Rhododendron menziesii*, and *Blechnum spicant*. 2017-10-03. LJC.17.10.

48. *Cornus racemosa* Lam.

2017-0378. Canada, Ontario, Thames Talbot Land Trust Property - Hawk Cliff Woods, 42.66566 -81.171119 WGS84. Open meadow with steep grade. Associated with *Sorghastrum nutans*, *Amelanchier* sp., *Populus tremuloides*. 2017-10-07. BJS.17.066.

**Cupressaceae**

49. *Thuja occidentalis* L.

2017-0364. Canada, Ontario, Thames Talbot Land Trust Property - McTavish Tract, 43.384589 -80.84332 WGS84. Seasonally flooded lowland. Associated with *Betula alleghaniensis*, *Lindera benzoin*, *Onoclea sensibilis*, *Dryopteris* sp. 2017-10-07. BJS.17.052.



## Ericaceae

50. *Elliottia pyroliflora* (Bong.) Brim & P.F.Stevens  
2017-0417. Canada, British Columbia, Cypress Provincial Park, Black Mountain, northside of Lower Fork Run., 1026 m, 49.39552 -123.21105 NAD83. Rocky slope off ski run. With *Tsuga mertensiana*, *Vaccinium* spp., and *Pinus monticola*. 2017-10-03. LJC.17.02.
51. *Elliottia pyroliflora* (Bong.) Brim & P.F.Stevens  
2017-0428. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1084 m, 49.39453 -123.2141 NAD83. Shaded slope along trail. Rocky, moist, mossy soil surface. Associated with *Tsuga mertensiana*, *Rhododendron albiflorum*, *R. menziesii*. 2017-10-22. LJC.17.13.
52. *Phyllodoce empetriformis* (Sm.) D.Don  
2017-0419. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1132 m, 49.39389 -123.2145 NAD83. On mossy, moist, rocky slope, with *Luetkea pecinata*, *Abies amabilis*, and *Cupressus nootkatensis*. 2017-10-03. LJC.17.04.
53. *Phyllodoce empetriformis* (Sm.) D.Don  
2017-0423. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1168 m, 49.39224 -123.21648 NAD83. Moist, mossy slope. 2017-10-03. LJC.17.08.
54. *Rhododendron albiflorum* Hook.  
2017-0424. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1070 m, 49.39465 -123.21248 NAD83. East side of trail on steep bank. Growing with *Rhododendron menziesii*, *Vaccinium* spp., and *Cupressus nootkatensis*. 2017-10-03. LJC.17.09.
55. *Rhododendron albiflorum* Hook.  
2017-0429. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1155 m, 49.39327 -123.21502 NAD83. Growing on slope, along trail, near pond. Associated with *Phyllodoce empetriformis*, *Curpressus nootkatensis*, *Tsuga mertensiana*. 2017-10-22. LJC.17.14.
56. *Rhododendron menziesii* Craven  
2017-0416. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 947 m, 49.39751 -123.21001 NAD83. Along hiking trail, on south side. Rocky, moist, slope. Growing with *Elliottia pyroliflora*, *Abies amabilis* and *Blechnum spicant*. 2017-10-03. LJC.17.01.
57. *Rhododendron menziesii* Craven  
2017-0427. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1039 m, 49.39494 -123.21204 NAD83. Slope along trail. Rocky, moist soil. Associated with *Abies amabilis*, *Tsuga mertensiana*. 2017-10-22. LJC.17.12.
58. *Vaccinium ovalifolium* Sm. in Rees  
2017-0418. Canada, British Columbia, Cypress Provincial Park, Black Mountain, northside of Lower Fork Run, 1023 m, 49.39567 -123.21068 NAD83. Rocky slope off ski run. With *Tsuga mertensiana*, *Pinus monticola* and *Elliottia pyroliflora*. 2017-10-03. LJC.17.03.
59. *Vaccinium ovalifolium* Sm. in Rees  
2017-0420. Canada, British Columbia, Cypress Provincial Park, Black Mountain, Baden Powell Trail, 1150 m, 49.3921 -123.21622 NAD83. Along south side of trail, growing near stream. In mossy area with *Tsuga mertensiana*, *Luetkea pectinata*, and *Phyllodoce empetriformis*. 2017-10-03. LJC.17.05.

## Hamamelidaceae

60. *Hamamelis virginiana* L.  
2017-0376. Canada, Ontario, Thames Talbot Land Trust Property - Hawk Cliff Woods, 42.669061 -81.176117 WGS84. Beech/Maple upland forest. Associated with *Liriodendron tulipifera*, *Acer saccharum*, *Fagus grandifolia*, *Dryopteris* sp., *Phegopteris hexagonoptera*. 2017-10-07. BJS.17.064.

## Hydrophyllaceae

61. *Phacelia sericea* A.Gray

2016-0265. Canada, British Columbia, Whistler, ~0.2 km northwest of Peak Express chairlift, along Whistler Summit, 2169 m, 50.05901 -122.95886 WGS84. Rocky outcrop, associated with *Silene acaulis*, *Saxifraga* spp., *Pinus albicaulis*. 2016-09-01. LJC.16-4.

62. *Phacelia sericea* A.Gray

2016-0271. Canada, British Columbia, Mount Thynne (Along road to summit of). Narrow section of road ~350m before end of road. 1920 m, 49.70339 -120.92808 WGS84. Roadside, top of steep, scree slope. Immediate area dominated by species. 2016-09-04. LJC.16-12.

## Lauraceae

63. *Lindera benzoin* (L.) Blume

2017-0365. Canada, Ontario, Thames Talbot Land Trust Property - McTavish Tract, 43.384589 -80.84332 WGS84. Seasonally flooded lowland. Associated with *Thuja occidentalis*, *Betula alleghaniensis*, *Onoclea sensibilis*. 2017-10-07. BJS.17.053.

## Papaveraceae

64. *Corydalis sempervirens* Pers.

2017-0231. Canada, Ontario, Lake Temagami access road, about 200m in off highway 11, 47.012351 -79.827285 WGS84. Dry rocky outcropping. 2017-06-30. BJS.17.018.

65. *Sanguinaria canadensis* L.

2017-0222. Canada, Ontario, Bloc family farm properties, 43.647636 -80.534889 WGS84. Mesic secondary growth ash/maple forest. 2017-07-04. BJS.17.010.

## Pinaceae

66. *Abies amabilis* Douglas ex J.Forbes

2016-0306. Canada, British Columbia, Mt. Elphinstone FSR, 725 m, 49.48356 123.56923 WGS84. . 2016-08-25. BJS.2016-0012.

67. *Abies amabilis* Douglas ex J.Forbes

2016-0356. Canada, British Columbia, Chilliwack River Valley, Chipmunk Creek Service Road, 770 m, 49.203055 -121.863333 WGS84. 2016-09-03. BJS.2016-0060.

68. *Tsuga canadensis* Carrière

2017-0363. Canada, Ontario, Bloc family properties, 43.660471 -80.517809 WGS84. Beech/Maple upland forest. Associated with *Acer saccharum*, *Acer nigrum*, *Fagus grandifolia*, *Sanguinaria canadensis*, *Maianthemum racemosum*. 2017-10-05. BJS.17.051.

## Poaceae

69. *Elymus hystrix* L.

2017-0354. Canada, Ontario, Bloc family properties, , 43.658177 -80.518701 WGS84. Beech/Maple upland forest. Associated with *Acer saccharum*, *Acer nigrum*, *Fagus grandifolia*, *Sanguinaria canadensis*, *Maianthemum racemosum*. 2017-09-30. BJS.17.042.

70. *Sorghastrum nutans* (L.) Nash

2017-0352. Canada, Ontario, Abandoned railway line off Line 2 beside Lot 22 Minto Township. Open meadow by railway tracks. Associated with *Amelanchier* sp., *Populus tremuloides*, *Cornus racemosa*, *Viburnum lentago*. 2017-09-30. BJS.17.040.

## Polygonaceae

71. *Eriogonum heracleoides* Nutt.

2016-0277. Canada, British Columbia, Crystal Mountain. On slope about 200 m east of Jack Pine Forest Service Road, at point ~2 km past Glenrosa Rd. Near Crystal Mountain Ski Resort, northwest of Kelowna, 1190 m, 49.89625 -118.292417 WGS84. Grassy, dry meadow. Associated with *Pseudotsuga menziesii*, *Geum triflorum*, *Juniperus scopulorum*. 2016-09-05. LJC.16-19.

## Ranunculaceae

72. *Actaea rubra* (Aiton) Willd.

2017-0246. Canada, Ontario, Elora, 43.691324 -80.442282 WGS84. Moist but rocky river valley. 2017-07-02. BJS.17.033.

73. *Thalictrum dioicum* L.

2017-0245. Canada, Ontario, Elora, 43.691324 -80.442282 WGS84. Moist but rocky river valley. 2017-07-02. BJS.17.032.

## Rosaceae

74. *Physocarpus opulifolius* (L.) Maxim.

2017-0370. Canada, Ontario, Thames Talbot Land Trust Property - Joany's Woods, 43.161965 -81.805183 WGS84. Open meadow with steep grade. Associated with *Populus tremuloides*, *Juniperus virginiana*, *Liriodendron tulipifera*. 2017-10-07. BJS.17.058.

## Sapindaceae

75. *Acer saccharum* subsp. *saccharum* Marshall

2017-0360. Canada, Ontario, Bloc family properties, 43.658064 -80.512013 WGS84. Beech/Maple upland forest. Associated with *Acer nigrum*, *Fagus grandifolia*, *Sanguinaria canadensis*, *Maianthemum racemosum*. 2017-10-05. BJS.17.048.

76. *Acer saccharum* subsp. *saccharum* Marshall

2017-0382. Canada, Ontario, Thames Talbot Land Trust Property - Newport Forest, 42.62979 -81.775929 WGS84. Beech/Maple upland forest. Associated with *Carya ovata*, *Ostrya virginiana*, *Cornus racemosa*. 2017-10-08. BJS.17.070.

77. *Acer saccharum* subsp. *nigrum* (F.Michx.) Desmarais

2017-0359. Canada, Ontario, Woolwich County, Bloc family properties, 43.58103 -80.517744 WGS84. Beech/Maple upland forest. Associated with *Acer saccharum*, *Fagus grandifolia*, *Sanguinaria canadensis*, *Maianthemum racemosum*. 2017-10-05. BJS.17.047.

78. *Acer saccharum* subsp. *nigrum* (F.Michx.) Desmarais

2017-0371. Canada, Ontario, Thames Talbot Land Trust Property - Joany's Woods, 43.159628 -81.801485 WGS84. Beech/Maple upland forest. Associated with *Fagus grandifolia*, *Fraxinus americana*, *Acer saccharum*, *Anemone acutiloba*. 2017-10-07. BJS.17.059.

## Saxifragaceae

79. *Leptarrhena pyrolifolia* (D.Don) Ser.

2017-0426. Canada, British Columbia, Cypress Provincial Park, Yew Lake Trail, 931 m, 49.39942 -123.21021 NAD83. Growing between path and lake edge. Moist soil, in shade, growing under *Cupressus nootkatensis*. With *Phyllodoce empetriformis*, *Erigeron peregrinus* and *Anaphalis margaritacea*. 2017-10-03. LJC.17.11.

## Staphyleaceae

80. *Staphylea trifolia* L.

2017-0387. Canada, Ontario, Middlesex County, Thames Talbot Land Trust Property - Newport Forest, 42.632261 -81.777761 WGS84. Lowland riparian forest. Associated with *Juglans nigra*, *Platanus occidentalis*, *Carpinus caroliniana*. 2017-10-15. BJS.17.071.

## DESIDERATA

Orders must be received by April 1, 2018. It is the responsibility of the requester to adhere to any import restrictions.

In response to the International Convention on Biological Diversity, the seeds are supplied to other botanical gardens and research institutions on the following conditions:

1. The material is to be used for purposes of research, conservation and education.
2. Information on the material is appropriately stored and the connection between the information and the material is maintained.
3. Any commercial use must be the object of an agreement between the recipient and the authorities from the country of origin of the material.
4. In the event that the material is supplied to a third party, the conditions described above will apply to the third party.
5. In the event of a scientific publication resulting from the use of material provided by the University of British Columbia Botanical Garden, please cite the Garden as source of the material and send us a copy of the publication.

By ordering seed or other plant material, the recipient accepts and pledges to respect the above conditions.

Please send your requests (limit of 15), with your mailing address, via email to [garden.indexseminum@ubc.ca](mailto:garden.indexseminum@ubc.ca), or via mail to the address below.

Laura Caddy, Index Seminum Manager  
UBC Botanical Garden  
6804 SW Marine Drive  
Vancouver, BC, Canada, V6T 1Z4

Seulement les commandes reçues avant le 1er avril 2018 seront satisfaites. Il est de la responsabilité de l'importateur d'adhérer à toutes autres restrictions d'importation régionales. Le Jardin botanique de l'UCB, soutien aux idéaux de la Convention sur la diversité biologique de Rio de Janeiro (1992), et ainsi fournissent, des semences sous les conditions suivantes :

1. Le matériel sera utilisé à des fins de recherche, de préservation ou d'éducation.
2. L'information sur le matériel est amassée d'une manière adéquate et que les liens entre l'information et le matériel sera conserver.
3. Toute utilisation commerciale doit faire l'objet d'une entente avec les autorités du pays d'origine du matériel.
4. Dans l'éventualité où le matériel sera fourni à une un tiers partit, les conditions émises précédemment s'appliqueront aux tiers partis.
5. Dans le cas d'une publication scientifique résultant de matériel génétique envoyé par le Jardin botanique d'Université de la Colombie-Britannique, prière de nous citer comme donateur et de nous envoyer une copie.

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