

VASCULAR PLANTS IN AND NEAR ROBERT ALLERTON PARK

Almut G. Jones, Department of Botany
David T. Bell, Department of Forestry
University of Illinois at Urbana-Champaign

ABSTRACT - 857 species of vascular plants, representing 447 genera in 114 families, have been collected in and near Robert Allerton Park in Piatt County, Illinois. In addition to spontaneously occurring plants, cultivated species have also been included, and the checklist has been annotated to indicate the cultivars and introduced species.

Robert Allerton Park, a recently named National Natural Landmark, is an educational center and research area owned by the University of Illinois and operated as a wildlife preserve, a natural woodland, an example of landscape gardening, and a public park. It is located in the Sangamon River valley, four miles southwest of Monticello, in Piatt County, Illinois (Sec. 21 & 29, T18N, R5E, 3rd PM; Long. 88° 31' W, Lat. 40° 00' N). About half of the 1,500-acre area is accessible to the public, while the remainder is maintained as a nature preserve.

Several plant habitats are involved in the study. The flood plain of the Sangamon River supports a rich, nearly primeval forest with Silver Maple (*Acer saccharinum*), Sycamore (*Platanus occidentalis*), Green Ash (*Fraxinus lanceolata*), and Cottonwood (*Populus deltoides*) among the common trees. The river bluff areas are dominated by Red Oak (*Quercus rubra*), Bur Oak (*Quercus macrocarpa*), and Sugar Maple (*Acer saccharum*) with Red Elm (*Ulmus rubra*), Redbud (*Cercis canadensis*), and Hop-hornbeam (*Ostrya virginiana*) the common understory species. Most of the upland natural areas are covered with upland forest, where the principal trees are White Oak (*Quercus alba*), Black Oak (*Q. velutina*), Hackberry (*Celtis occidentalis*), and several species of Hickory (*Carya*). Forest margins frequently contain Shingle Oak (*Quercus imbricaria*) and Honey Locust (*Gleditsia triacanthos*). Flowering peaks for the herbaceous flora of the upland forest occur in spring and late summer. Among the spring-flowering plants, Spring Beauty (*Claytonia virginica*), Dutchman's Breeches (*Dicentra cucullaria*), Dogtooth Violet (*Erythronium albidum*), Bluebell (*Mertensia virginica*), and several species of Trillium (*Trillium*), Violet (*Viola*), and Buttercup (*Ranunculus*) are notable. Late summer is the main flowering season for many members of the sunflower family.

Formerly pastured and farmed areas of the park now harbor a succession-type vegetation with Smooth Sumac (*Rhus glabra*), Hawthorn (*Crataegus* spp.), Sassafras (*Sassafras albidum*), and Hedge-Apple (*Maclura pomifera*), and a rich herbaceous flora. Roadsides and areas of recently disturbed ground are dominated by ruderal plants. Many of them are troublesome weeds, some native, such as Pigweeds (*Amaranthus* spp.), Ragweeds (*Ambrosia* spp.), and Fleabanes (*Erigeron* spp.), but most introduced. Examples of the latter are Lamb's Quarter (*Chenopodium album*), Canada Thistle (*Cirsium arvense*), Dandelion (*Taraxacum officinale*), Giant Foxtail (*Setaria faberii*), and Indian Mallow (*Abutilon theophrasti*).

On the southside of Robert Allerton Park an attempt is being made to reclaim a large area as prairie. In order to have a somewhat wider array of prairie species, we also sampled a stretch of the Illinois Central Railroad right-of-way north of Allerton Park. The prairie areas are particularly interesting in late summer and fall when many of the species are in flower. Among the dominant grasses are Big Bluestem (Andropogon furcatus), Indian Grass (Sorghastrum nutans), and Switch Grass (Panicum virgatum). Forbs found in the prairie vegetation include Wild Indigo (Baptisia leucantha), Wild Bergamot (Monarda fistulosa), and several species of Silphium (Silphium spp.), Goldenrod (Solidago spp.), and Tick-clover (Desmodium spp.).

The gardens, picnic grounds, and the experimental forest plots contain some cultivated native and exotic ornamental species. As public interest in the plantings is extensive, cultivars are included in the checklist, as far as they have been collected and are documented by herbarium vouchers.

The collection of most of the plants and the original compilation of a checklist was the work of the late Professor G. Neville Jones. The current revision was undertaken as part of the Springer-Sangamon Environmental Research Program (Bell, 1972; Jones and Bell, 1974) to facilitate biological research projects utilizing Robert Allerton Park and adjacent areas.

The checklist records a total of 857 species of vascular plants, representing 447 genera and 114 families. For the most part, Flora of Illinois, Ed. 3 (Jones, 1963), was followed for identification and nomenclature, although other floristic works were consulted also, e.g., Rehder (1940), Bailey (1949), Gleason and Cronquist (1963). The families have been listed in alphabetic order within major groups to facilitate the findings of names. Under Ferns and Fern Allies, 13 species are listed in three families, under Gymnosperms 21 species in five families, and under Angiosperms 823 species in 106 families. The 16 monocotyledonous families, representing 190 species, are marked with (M). There are 90 families of dicotyledons represented in Robert Allerton Park, with 633 species. Trees number 84 species, of which 19 are gymnosperms. In addition, there are 94 species of shrubs and woody vines. Of the 666 herbs listed, about 200 are annuals or biennials, the remainder perennials. Cultivated plants comprise 150 species. Of the approximately 700 species of vascular plants occurring spontaneously in the study area, about 130 are introduced. A few of the cultivated plants have escaped and are successfully maintaining themselves. Some of the native ferns were also probably originally planted in the park. The checklist of vascular plants has been annotated by indicating the cultivars and introduced plants. The voucher collection is on deposit in the herbarium of the University of Illinois (ILL).

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FERNS AND FERN ALLIES

Equisetaceae

Equisetum arvense L.
Equisetum hyemale L.
Equisetum laevigatum A.Br.

Ophioglossaceae

Botrychium obliquum Muhl.
Botrychium virginianum (L.) Sw.

Polypodiaceae

Adiantum pedatum L.
Asplenium platyneuron (L.) Oakes
Athyrium angustum (Willd.) Presl
Cystopteris protrusa (Weath.) Blasd.
Dryopteris intermedia (Muhl.) A.Gray
Dryopteris thelypteris (L.) A.Gray
Onoclea sensibilis L.
Polystichum acrostichoides (Michx.)
Schott

GYMNOSPERMS

Cupressaceae

Chamaecyparis pisifera var. plumosa
Beissn. cult.
Juniperus communis L. cult.
Juniperus virginiana L.
Thuja occidentalis L. cult.
Thuja orientalis L. cult.

Ginkgoaceae

Ginkgo biloba L. cult.

Pinaceae

Abies concolor (Gord. & Glend.)
Lindl. cult.
Larix decidua Mill. cult.
Picea abies (L.) Karst. cult.
Picea glauca (Moench) Voss cult.
Pinus banksiana Lamb. cult.
Pinus resinosa Ait. cult.
Pinus rigida Mill. cult.
Pinus strobus L. cult.
Pinus sylvestris L. cult.
Pinus virginiana Mill. cult.
Pseudotsuga taxifolia Britt. cult.

Tsuga canadensis (L.) Carr. cult.

Taxaceae

Taxus cuspidata Sieb. & Zucc. cult.

Taxodiaceae

Metasequoia glyptostroboides Cheng &
Hu. cult.

Taxodium distichum (L.) Rich. cult.

ANGISPERMS

Acanthaceae

Ruellia humilis Nutt.
Ruellia strepens L.

Aceraceae

Acer negundo L.
Acer rubrum L. cult.
Acer saccharinum L.
Acer saccharum Marsh.

Aizoaceae

Mollugo verticillata L.

Alismaceae (M)

Alisma subcordatum Raf.
Echinodorus rostratus Engelm.
Sagittaria latifolia Willd.

Amaranthaceae

Acnida altissima Riddell
Acnida subnuda (S.Wats.) Standl.
Acnida tamariscina (Nutt.) Wood
Amaranthus albus L.
Amaranthus graecizans L.
Amaranthus hybridus L.
Amaranthus retroflexus L.
Celosia argentea L. cult.
Froelichia gracilis (Hook.) Moq.

Amaryllidaceae (M)

Galanthus nivale L. cult.
Hypoxis hirsuta (L.) Cov.
Lycoris squamigera Maxim. cult.

- Narcissus incomparibilis Mill. cult. Berberidaceae
Narcissus poeticus L. cult.
Narcissus pseudonarcissus L. cult. Berberis thunbergii DC. cult. & escaped
Anacardiaceae Caulophyllum thalictroides (L.) Michx.
Rhus glabra L. Podophyllum peltatum L.
Rhus radicans L. Betulaceae
Annonaceae Corylus americana Walt.
Asimina triloba (L.) Dunal Ostrya virginiana (Mill.) K.Koch
Apocynaceae Bignoniaceae
Apocynum androsaemifolium L. Campsis radicans (L.) Seem.
Apocynum cannabinum L. Catalpa bignonioides Walt. cult.
Apocynum pubescens R.Br.
Apocynum sibiricum Jacq. Boraginaceae
Vinca minor L. cult. & escaped
Vinca rosea L. cult. Borago officinalis L. cult.
Araceae (M) Cynoglossum officinale L. introd.
Arisaema dracontium (L.) Schott Hackelia virginiana (L.) I.M. Johnston
Arisaema triphyllum (L.) Schott Lithospermum arvense L. introd.
Lithospermum canescens (Michx.) Lehm.
Lithospermum latifolium Michx.
Mertensia virginica (L.) Pers.
Myosotis scorpioides L.
Myosotis verna Nutt.
Araliaceae Buxaceae
Aralia racemosa L. Buxus microphylla Sieb. & Zucc. cult.
Hedera helix L. cult. Pachysandra terminalis Sieb. & Zucc. cult.
Panax quinquefolius L. Aristolochiaceae
Aristolochiaceae Aristolochia serpentaria L.
Asarum canadense L. Asclepiadaceae
Asclepiadaceae Ampelamus albidum (Nutt.) Britt.
Asclepias amplexicaulis Sm.
Asclepias exaltata L.
Asclepias incarnata L.
Asclepias syriaca L.
Asclepias verticillata L. Campanulaceae
Campanulaceae Campanula americana L.
Campanula rapunculoides L. introd.
Specularia perfoliata (L.) A.DG. Cannabinaceae
Cannabinaceae Cannabis sativa L. introd.
Humulus americanus Nutt.
Humulus japonicus Sieb. & Zucc. introd.

Capparidaceae

Cleome spinosa L. cult.
Polanisia dodecandra (L.) DC.

Caprifoliaceae

Diervilla lonicera Mill.
Lonicera bella Zab. cult.
Lonicera fragrantissima Carr.
 introd.
Lonicera japonica Thunb. cult. &
 escaped
Lonicera maackii Maxim. introd.
Lonicera morrowi A.Gray introd.
Lonicera prolifera (Kirchn.) Rehd.
Lonicera sempervirens L. introd.
Lonicera tatarica L. introd.
Sambucus canadensis L.
Symphoricarpos occidentalis Hook.
 cult.
Symphoricarpos orbiculatus Moench
Triosteum illinoense (Wieg.) Rydb.
Triosteum perfoliatum L.
Viburnum carlesii Hemsl. cult.
Viburnum lantana L. cult.
Viburnum opulus var. sterile DC.
 cult.
Viburnum prunifolium L.
Viburnum recognitum Fern. cult.
Viburnum trilobum Marsh.

Caryophyllaceae

Arenaria serpyllifolia L. introd.
Cerastium nutans. Raf.
Cerastium viscosum L. introd.
Cerastium vulgatum L. introd.
Dianthus armeria L. introd.
Dianthus deltoides L. introd.
Holosteum umbellatum L. introd.
Lychnis alba Mill. introd.
Saponaria officinalis L. introd.
Silene antirrhina L.
Silene stellata (L.) Ait. f.
Stellaria graminea L. introd.
Stellaria media (L.) Vill. introd.

Celastraceae

Celastrus orbiculatus Thunb. introd.
Celastrus scandens L.
Euonymus atropurpureus Jacq.

Euonymus fortunei var. radicans (Miq.)
 Rehd. cult.
Euonymus kiautschovicus Loes. cult.
Euonymus obovatus Nutt.

Chenopodiaceae

Chenopodium album L. introd.
Chenopodium ambrosioides L. introd.
Chenopodium boscianum Moq.
Kochia scoparia (L.) Schrad. introd.

Cistaceae

Helianthemum bicknellii Fern.

Commelinaceae (M)

Commelina communis L. introd.
Tradescantia virginiana L.

Compositae

Achillea millefolium L.
Ambrosia artemisiifolia L.
Ambrosia trifida L.
Antennaria neglecta Greene
Antennaria plantaginifolia (L.) Hook.
Anthemis cotula L. introd.
Arctium minus (L.) Bernh. introd.
Artemisia biennis L. introd.
Artemisia vulgaris L. cult.
Aster drummondii Lindl.
Aster ericoides L.
Aster lateriflorus (L.) Britt.
Aster novae-angliae L.
Aster ontarionis Wieg.
Aster pilosus Willd.
Aster praealtus Poir.
Aster sagittifolius Wedem.
Aster shortii Lindl.
Aster simplex Willd.
Aster simplex var. interior (Wieg.)
 Cronq.

Bidens aristosa (Michx.) Britt.
Bidens bipinnata L.
Bidens cernua L.
Bidens frondosa L.
Bidens tripartita L.
Bidens vulgata Greene
Chrysanthemum leucanthemum L. introd.
Chrysanthemum morifolium Ramat. cult.
Cichorium intybus L. introd.

Cirsium altissimum (L.) Spreng.
Cirsium arvense (L.) Scop. introd.
Cirsium discolor (Muhl.) Spreng.
Cirsium vulgare (Savi) Airy-Shaw
introd.

Coreopsis tripteris L.
Eclipta alba (L.) Hassk.
Frechttites hieracifolia (L.) Raf.
Erigeron annuus (L.) Pers.
Erigeron canadensis L.
Erigeron philadelphicus L.
Erigeron strigosus Muhl.
Eupatorium altissimum L.
Eupatorium coelestinum L.
Eupatorium maculatum L.
Eupatorium perfoliatum L.
Eupatorium purpureum L.
Eupatorium rugosum Moutt.
Eupatorium serotinum Michx.
Eupatorium sessilifolium L.
Euthamia graminifolia (L.) Nutt.
Euthamia media Greene
Galinsoga ciliata (Raf.) Blake
introd.

Gnaphalium obtusifolium L.
Gnaphalium purpureum L.
Helenium autumnale L.
Helianthus annuus L. cult. & escaped
Helianthus grosseserratus Martens
Helianthus hirsutus Raf.
Helianthus mollis Lam.
Helianthus strumosus L.
Helianthus tomentosus Michx.
Heliopsis helianthoides (L.) Sweet
Hieracium scabrum Michx.
Krigia biflora (Walt.) Blake
Kuhnia eupatorioides L.
Lactuca canadensis L.
Lactuca floridana (L.) Gaertn.
Lactuca saligna L. introd.
Lactuca scariola L. introd.
Lapsana communis L. introd.
Liatris aspera Michx.
Liatris pycnostachya Michx.
Matricaria matricarioides (Less.)
Porter introd.

Parthenium integrifolium L.
Prenanthes aspera Michx.
Ratibida pinnata (Vent.) Barnh.
Rudbeckia hirta L.
Rudbeckia laciniata L.
Rudbeckia subtomentosa Pursh
Rudbeckia triloba L.
Senecio glabellus Poir.

Senecio plattensis Nutt.
Silphium integrifolium Michx.
Silphium laciniatum L.
Silphium perfoliatum L.
Silphium terebinthinaceum Jacq.
Solidago altissima L.
Solidago gigantea Ait.
Solidago glaberrima Martens
Solidago juncea Ait.
Solidago latifolia L.
Solidago nemoralis Ait.
Solidago patula Muhl.
Solidago rigida L.
Solidago speciosa Nutt.
Solidago ulmifolia Muhl.
Sonchus oleraceus L. introd.
Tagetes erecta L. cult.
Taraxacum officinale Wiggers introd.
Tragopogon dubius Scop. introd.
Tragopogon pratensis L. introd.
Verbesina alternifolia (L.) Britt.
Verbesina helianthoides Michx.
Vernonia fasciculata Michx.
Vernonia missurica Raf.
Xanthium strumarium L. introd.
Zinnia elegans Jacq. cult.

Convolvulaceae

Convolvulus americanus (Sims) Greene
Convolvulus arvensis L. introd.
Convolvulus spithameus L.
Cuscuta gronovii Willd.
Ipomoea hederacea Jacq. introd.
Ipomoea pandurata (L.) Meyer
Ipomoea purpurea (L.) Roth introd.
Ipomoea tricolor Cav. cult.

Cornaceae

Cornus drummondii C.A.Mey.
Cornus florida L.
Cornus obliqua Raf.
Cornus racemosa Lam.
Cornus stolonifera Michx.

Crassulaceae

Sedum spectabile Boreau cult.
Sedum sarmentosum Bunge cult.

Cruciferae

Alliaria petiolata (Bieb.) Cav. & Gr.
introd.

Arabis glabra (L.) Bernh.
Arabis laevigata (Muhl.) Poir.
Arabis pycnocarpa Hopk.
Arabis shortii (Fern.) Gleason
Barbarea vulgaris R.Br. introd.
Brassica napus L. cult. & escaped
Brassica nigra (L.) Koch introd.
Capsella bursa-pastoris (L.) Medic.
introd.
Cardamine bulbosa (Schreb.) BSP.
Cardamine douglassii (Torr.) Britt.
Cardamine pennsylvanica Muhl.
Dentaria laciniata Muhl.
Descurainia brachycarpa (Richards.)
O.E.Schulz
Draba verna L. introd.
Iodanthus pinnatifidus (Michx.) Steud.
Lepidium campestre (L.) R.Br. introd.
Lepidium densiflorum Schrad. introd.
Lepidium virginicum L.
Lobularia maritima (L.) Desv. cult.
Matthiola incana (L.) R.Br. cult.
Nasturtium officinale R.Br. introd.
Rorippa islandica (Oeder) Borbas
Sisymbrium officinale (L.) Scop.
introd.

Cucurbitaceae

Citrullus vulgaris Schrad. cult. &
escaped
Cucurbita pepo L. cult. & escaped
Sicyos angulatus L.

Cyperaceae (M)

Carex albolutescens Schw.
Carex artitecta Mack.
Carex blanda Dewey
Carex comosa Boott
Carex cristatella Britt.
Carex davisii Schw. & Torr.
Carex frankii Kunth
Carex granularis Muhl.
Carex gravida Bailey
Carex grayi Carey
Carex grisea Wahl.
Carex hirsutella Mack.
Carex hirtifolia Mack.
Carex hystricina Muhl.
Carex lacustris Willd.
Carex lanuginosa Michx.
Carex leavenworthii Dewey
Carex lupuliformis Sartw.

Carex lupulina Muhl.
Carex muskingumensis Schw.
Carex normalis Mack.
Carex pennsylvanica Lam.
Carex rosea Schk.
Carex shortiana Dewey
Carex sparganioides Muhl.
Carex stricta Lam.
Carex tribuloides Wahl.
Carex trichocarpa Muhl.
Carex vulpinoidea Michx.
Cyperus acuminatus Torr. & Hook.
Cyperus diandrus Torr.
Cyperus ferruginescens Boeck.
Cyperus strigosus L.
Dulichium arundinaceum (L.) Britt.
Eleocharis acicularis (L.) R. & S.
Eleocharis compressa Sulliv.
Eleocharis obtusa (Willd.) Schultes
Eleocharis palustris (L.) R. & S.
Scirpus atrovirens Willd.
Scirpus fluviatilis (Torr.) A.Gray
Scirpus lineatus Michx.
Scirpus validus Vahl

Dioscoreaceae (M)

Dioscorea batatas Decne cult.
Dioscorea villosa L.

Ebenaceae

Diospyros virginiana L.

Ericaceae

Monotropa lanuginosa Michx.
Monotropa uniflora L.

Euphorbiaceae

Acalypha ostryaefolia Riddell
Acalypha rhomboidea Raf.
Acalypha virginica L.
Chamaesyce maculata (L.) Small
Chamaesyce supina (Raf.) Moldenke
Euphorbia corollata L.
Euphorbia cyparissias L. cult. &
escaped
Euphorbia esula L. introd.
Poinsettia dentata (Michx.) Small
Ricinus communis L. cult.

Fagaceae

Quercus alba L.
Quercus bicolor Willd.
Quercus imbricaria Michx.
Quercus macrocarpa Michx.
Quercus palustris Muenchh. cult.
Quercus rubra L.
Quercus velutina Lam.

Fumariaceae

Dicentra cucullaria (L.) Bernh.

Geraniaceae

Geranium carolinianum L.
Geranium maculatum L.
Geranium pusillum Burm. f. introd.

Gramineae (M)

Agropyron repens (L.) Beauv. introd.
Agrostis alba L.
Agrostis hyemalis (Walt.) BSP.
Agrostis perennans (Walt.) Tuckerm.
Aira caryophyllea L.
Alopecurus carolinianus Walt.
Andropogon furcatus Muhl.
Andropogon scoparius Michx.
Andropogon virginicus L.
Aristida oligantha Michx.
Avena sativa L. cult. & escaped
Brachyelytrum erectum (Schreb.)
Beauv.
Bromus commutatus Schrad. introd.
Bromus inermis Leyss. introd.
Bromus japonicus Thunb. introd.
Bromus purgans L.
Bromus secalinus L. introd.
Bromus tectorum L. introd.
Calamagrostis canadensis (Michx.)
Beauv.
Cinna arundinacea L.
Dactylis glomerata L. introd.
Danthonia spicata (L.) Beauv.
Diarrhena americana Beauv.
Digitaria ischaemum (Schreb.) Muhl.
introd.
Digitaria sanguinalis (L.) Scop.
introd.
Echinochloa crusgalli (L.) Beauv.
introd.
Elyusine indica (L.) Gaertn. introd.

Elymus canadensis L.
Elymus villosus Muhl.
Elymus virginicus L.
Eragrostis cilianensis (All.) Lut.
introd.
Eragrostis frankii C.A.Mey.
Eragrostis hypnoides (Lam.) BSP.
Eragrostis pectinacea (Michx.) Nees
Eragrostis spectabilis (Pursh) Steud.
Festuca elatior L. introd.
Festuca obtusa Bichler
Festuca ovina L. introd.
Glyceria septentrionalis Hitchc.
Glyceria striata (Lam.) Hitchc.
Hordeum jubatum L. introd.
Hordeum pusillum Nutt.
Hystrix patula Moench
Leersia lenticularis Michx.
Leersia oryzoides (L.) Sw.
Leersia virginica Willd.
Lolium perenne L.
Miscanthus sinensis Anderss. cult.
Muhlenbergia frondosa (Poir.) Fern.
Muhlenbergia schreberi J.F.Gmel.
Muhlenbergia sobolifera (Muhl.) Trin.
Muhlenbergia tenuiflora (Willd.) BSP.
Panicum capillare L.
Panicum clandestinum L.
Panicum dichotomiflorum Michx.
Panicum huachucae Ashe
Panicum latifolium L.
Panicum scribnerianum Nash
Panicum virgatum L.
Paspalum circulare Nash
Paspalum pubescens Muhl.
Phalaris arundinacea L.
Phleum pratense L. introd.
Poa annua L. introd.
Poa compressa L. introd.
Poa pratensis L. introd.
Poa sylvestris Gray
Secale cereale L. cult. & escaped
Setaria faberii Herm. introd.
Setaria lutescens (Weigel) F.T.Hubb
introd.
Setaria viridis (L.) Beauv. introd.
Sorghastrum nutans (L.) Nash
Spartina pectinata Link
Sphenopholis intermedia Rydb.
Sporobolus asper (Michx.) Kunth
Stipa spartea Trin.
Tridens flavus (L.) Hitchc.
Triticum aestivum L. cult. & escaped
Zea mays L. cult.

Grossulariaceae

Ribes alpinum L. cult.
Ribes americanum Mill.
Ribes missouriense Nutt.

Hamamelidaceae

Liquidambar styraciflua L. cult.

Hydrangeaceae

Hydrangea quercifolia Bartr. cult.
Philadelphus pubescens Loisel. cult.

Hydrocharitaceae (M)

Elodea occidentalis (Pursh) St. John

Hydrophyllaceae

Ellisia nyctelea L.
Hydrophyllum appendiculatum Michx.
Hydrophyllum virginianum L.

Hypericaceae

Hypericum perforatum L. introd.
Hypericum punctatum Lam.
Hypericum sphaerocarpum Michx.

Illecebraceae

Paronychia canadensis (L.) Wood

Iridaceae (M)

Crocus maesiacus Ker cult.
Iris germanica L. cult.
Iris shrevei Small
Sisyrinchium albidum Raf.
Sisyrinchium angustifolium Mill.
Sisyrinchium campestre Bickn.

Juglandaceae

Carya cordiformis (Wang.) K.Koch
Carya laciniosa (Michx. f.) Loud.
Carya ovalis (Wang.) Sarg.
Carya ovata (Mill.) K.Koch
Carya texana Buckl.
Carya tomentosa Nutt.
Juglans nigra L.

Juncaceae (M)

Juncus tenuis Willd.
Juncus torreyi Cov.

Labiatae

Agastache nepetoides (L.) Ktze.
Agastache scrophulariaefolia (Willd.)
 Ktze.

Blephilia hirsuta (Pursh) Benth.
Glecoma hederacea L. introd.
Hedeoma pulegioides (L.) Pers.
Lamium amplexicaule L. introd.

Leonurus cardiaca L. introd.
Lycopus americanus Muhl.

Lycopus virginicus L.
Marrubium vulgare L. introd.
Mentha canadensis L.

Mentha gentilis L. cult.
Mentha piperita L. introd.

Molucella laevis L. cult.
Monarda fistulosa L.

Nepeta cataria L. introd.
Physostegia speciosa Sweet

Prunella vulgaris L. introd.

Pycnanthemum flexuosum (Walt.) BSP.

Pycnanthemum pilosum Nutt.

Pycnanthemum virginianum (L.) Dur. &
 Jacks.

Salvia farinacea Benth. cult.

Salvia pitcheri Torr.

Salvia pratensis L. cult. & escaped

Scutellaria lateriflora L.

Stachys arenicola Britt.

Stachys hispida Pursh

Stachys tenuifolia Willd.

Teucrium canadense L.

Lauraceae

Lindera benzoin (L.) Blume
Sassafras albidum (Nutt.) Nees

Leguminosae

Amorpha fruticosa L.
Amphicarpa bracteata (L.) Fern.
Amphicarpa comosa (L.) G. Don
Apios americana Medic.
Astragalus canadensis L.
Baptisia leucantha T. & G.
Cassia fasciculata Michx.

Cassia marilandica L.
Cercis canadensis L.
Desmodium canadense (L.) DC.
Desmodium glutinosum (Muhl.) Wood
Desmodium illinoense A.Cray
Desmodium longifolium (T. & G.)
 Smyth
Desmodium paniculatum (L.) DC.
Gleditsia triacanthos L.
Glycine max (L.) Merr. cult.
Gymnocladus dioica (L.) K.Koch
Lathyrus latifolius L. cult. &
 escaped
Lespedeza bicolor Turcz. introd.
Lespedeza capitata Michx.
Lespedeza cuneata (Dum.-Cours.)
 G.Don introd.
Lespedeza stipulacea Maxim. introd.
Lespedeza violacea (L.) Pers.
Medicago lupulina L. introd.
Medicago sativa L. cult. & escaped
Melilotus alba Desr. introd.
Melilotus officinalis (L.) Lam.
 introd.
Petalostemum purpureum (Vent.) Rydb.
Robinia pseudoacacia L. introd.
Strophostyles helvola (L.) Britt.
Trifolium dubium Sibth. introd.
Trifolium hybridum L. introd.
Trifolium pratense L. introd.
Trifolium procumbens L. introd.
Trifolium repens L. introd.
Wisteria floribunda (Willd.) DC. cult.
Wisteria macrostachya Nutt. cult.

Lemnaceae (M)

Lemna minor L.

Liliaceae (M)

Allium canadense L.
Allium cepa L. cult.
Allium tricoccum Ait.
Allium vineale L. introd.
Asparagus officinalis L. cult. &
 escaped
Camassia scilloides (Raf.) Cory
Colchicum autumnale L. cult.
Convallaria majalis L. cult.
Erythronium albidum Nutt.
Fritillaria meleagris L. cult.
Hemerocallis flava L. cult.

Hemerocallis fulva L. cult. &
 escaped
Hyacinthus orientalis L. cult.
Lilium henryi Baker cult.
Lilium michiganense Farw.
Lilium tigrinum Ker cult.
Muscari armeniacum Leicht. cult.
Nothoscordum bivalve (L.) Britt.
Polygonatum biflorum (Walt.) Ell.
Polygonatum commutatum (Schult.) Dietr.
Scilla bifolia L. cult.
Scilla nonscripta (L.) Hoffm. &
 Link cult.
Smilacina racemosa (L.) Desf.
Smilacina stellata (L.) Desf.
Smilax hispida Muhl.
Smilax lasioneura Hook.
Trillium grandiflorum (Michx.) Salisb.
Trillium nivale Riddell
Trillium recurvatum Beck
Tulipa gesneriana L. cult.
Uvularia grandiflora Sm.
Yucca filamentosa L. cult. & escaped

Lobeliaceae

Lobelia cardinalis L.
Lobelia inflata L.
Lobelia siphilitica L.

Lythraceae

Ammannia coccinea Rottb.

Magnoliaceae

Liriodendron tulipifera L. cult.

Malvaceae

Abutilon theophrasti Medic. introd.
Althaea rosea Cav. cult. & escaped
Hibiscus militaris Cav.
Hibiscus trionum L. introd.
Malva rotundifolia L. introd.
Malva neglecta Wallr. introd.
Sida spinosa L.

Menispermaceae

Menispermum canadense L.

Moraceae

- Maclura pomifera (Raf.) Schneid.
cult. & escaped
Morus alba L. introd.
Morus rubra L.
Morus tatarica L. introd.

Nyctaginaceae

- Mirabilis nyctaginea (Michx.) MacM.

Nymphaeaceae

- Nymphaea tuberosa Paine cult.

Oleaceae

- Chionanthus virginica L. cult.
Forsythia suspensa (Thunb.) Vahl
cult.
Fraxinus americana L.
Fraxinus lanceolata Berkh.
Fraxinus pennsylvanica Marsh.
Fraxinus quadrangulata Michx.
Ligustrum obtusifolium Sieb. & Zucc.
cult. & escaped
Ligustrum vulgare L. cult.
Syringa vulgaris L. cult.

Onagraceae

- Circaea latifolia Hill
Epilobium coloratum Muhl.
Gaura biennis L.
Ludwigia alternifolia L.
Oenothera biennis L.

Orchidaceae (M)

- Aplectrum hyemale (Muhl.) Torr.
Corallorhiza odontorhiza (Willd.)
Nutt.
Cypripedium calceolus L. var.
pubescens (Willd.) Correll
Liparis lilifolia (L.) Rich.
Orchis spectabilis L.
Spiranthes cernua (L.) Rich.
Spiranthes ovalis Lindl.

Orobanchaceae

- Orobanche uniflora L.

Oxalidaceae

- Oxalis corniculata L. introd.
Oxalis dillenii Jacq.
Oxalis stricta L.
Oxalis violacea L.

Paeoniaceae

- Paeonia lactiflora Pall. cult.

Papaveraceae

- Papaver orientale L. cult.
Sanguinaria canadensis L.

Penthoraceae

- Penthorum sedoides L.

Phrymaceae

- Phryma leptostachya L.

Phytolaccaceae

- Phytolacca americana L.

Plantaginaceae

- Plantago aristata Michx.
Plantago lanceolata L. introd.
Plantago major L. introd.
Plantago rugelii Dec.
Plantago virginica L.

Platanaceae

- Platanus occidentalis L.

Polemoniaceae

- Phlox divaricata L.
Phlox drummondii Hook. cult.
Phlox glaberrima L.
Phlox maculata L.
Phlox paniculata L. cult.
Phlox pilosa L.
Phlox subulata L. cult.

Polygalaceae

- Polygala sanguinea L.

Polygala verticillata L.

Polygonaceae

Polygonum aviculare L. introd.
Polygonum hydropiperoides Michx.
Polygonum lapathifolium L. introd.
Polygonum pennsylvanicum L.
Polygonum persicaria L. introd.
Polygonum punctatum L.
Polygonum sagittatum L.
Polygonum scandens L.
Polygonum virginianum L.
Rheum raponticum L. cult.
Rumex acetosella L. introd.
Rumex altissimus Wood
Rumex crispus L. introd.
Rumex obtusifolius L. introd.

Portulacaceae

Claytonia virginica L.
Portulaca oleracea L. introd.

Potamogetonaceae (M)

Potamogeton crispus L.
Potamogeton foliosus Raf.
Potamogeton pectinatus L.

Primulaceae

Dodecatheon meadia L.
Lysimachia ciliata L.
Lysimachia lanceolata Walt..
Lysimachia nummularia L. introd.
Samolus parviflorus Raf.

Ranunculaceae

Aconitum carmichaelii Debx. cult.
Actaea alba (L.) Mill.
Anemone canadensis L.
Anemone virginiana A.Gray
Anemonella thalictroides (L.) Spach
Aquilegia canadensis L.
Aquilegia chrysantha A.Gray cult.
Aquilegia glandulosa Fisch. cult.
Caltha palustris L.
Clematis dioscoreifolia Levl. & Van
cult. & escaped
Clematis pitcheri T. & G.
Delphinium ajacis L. cult. & escaped

Delphinium cheilanthum var. formosum
Huth cult.

Eranthis hyemalis (L.) Salisb. cult.
Hepatica acutiloba DC.
Isopyrum biternatum (Raf.) T. & G.
Myosurus minimus L. introd.
Ranunculus abortivus L.
Ranunculus fascicularis Muhl.
Ranunculus flabellaris Raf.
Ranunculus recurvatus Poir.
Ranunculus septentrionalis Poir.
Thalictrum dicicum L.
Thalictrum revolutum DC.

Rhamnaceae

Ceanothus americanus L.
Rhamnus frangula L. cult.
Rhamnus lanceolata Pursh

Rosaceae

Agrimonia gryposepala Wallr.
Agrimonia parviflora Ait.
Agrimonia pubescens Wallr.
Amelanchier arborea (Michx. f.) Fern.
Aronia arbutifolia Ell. cult.
Chaenomeles lagenaria (L.) Koidz. cult.
Crataegus calpodendron (Ehrh.) Medic.
Crataegus crugalli L.
Crataegus margaretta Ashe
Crataegus mollis (T. & G.) Scheele
Exochorda racemosa (Lindl.) Rehd.
cult.
Fragaria virginiana Duch.
Geum canadense Jacq.
Geum laciniatum Murray
Geum vernum (Raf.) T. & G.
Gillenia stipulata (Muhl.) Trel.
Malus floribunda Sieb. cult.
Malus ioensis (Wood) Britt.
Malus pumila Mill. cult. & escaped
Physocarpus opulifolius (L.) Maxim.
cult.
Potentilla arguta Pursh
Potentilla monspeliensis L.
Potentilla recta L. introd.
Potentilla simplex Michx.
Prunus americana Marsh.
Prunus armeniaca L. cult.
Prunus hortulana Bailey
Prunus lanata (Sudw.) Mack. & Bush
Prunus persica (L.) Batsch cult.

Prunus serotina Ehrh.
Pyrus communis L. cult.
Rhodotypos tetrapetala Mak. cult.
Rosa blanda Ait. cult.
Rosa canina L. cult.
Rosa carolina L.
Rosa chinensis Jacq. cult.
Rosa cinnamomea L. cult.
Rosa gallica L. cult.
Rosa multiflora Thunb. cult. & escaped
Rosa rugosa Thunb. cult.
Rosa setigera Michx.
Rosa xanthina Lindl. cult.
Rubus allegheniensis Porter
Rubus canadensis L. introd.
Rubus flagellaris Willd.
Rubus occidentalis L.
Rubus ostryifolius Rydb.
Spiraea prunifolia Sieb. & Zucc. cult.

Rubiaceae

Cephalanthus occidentalis L.
Diodia teres Walt.
Galium aparine L.
Galium circaeazans Michx.
Galium concinnum T. & G.
Galium obtusum Bigel.
Galium triflorum Michx.
Houstonia lanceolata (Poir.) Britt.

Rutaceae

Ptelea trifoliata L.
Zanthoxylum americanum Mill.

Salicaceae

Populus alba L. cult.
Populus deltoides Marsh.
Populus nigra var. italica Muench. cult.
Populus tremuloides Michx. cult.
Salix alba L. cult.
Salix babylonica L. cult.
Salix discolor Muhl.
Salix eriocephala Michx.
Salix fragilis L. cult.
Salix interior Rowlee
Salix nigra Marsh.
Salix purpurea L. cult.

Saururaceae

Saururus cernuus L.

Saxifragaceae

Heuchera richardsonii R.Br.

Scrophulariaceae

Antirrhinum majus L. cult.
Aureolaria grandiflora (Benth.) Pennell
Chaenorrhinum minus (L.) Lange introd.
Chelone glabra L.
Collinsia verna Nutt.
Cymbalaria muralis Gaertn. cult.
Dasistoma macrophylla (Nutt.) Raf.
Gerardia tenuifolia Vahl
Gratiola neglecta Torr.
Leucospora multifida (Michx.) Nutt.
Linnaria vulgaris L. introd.
Lindernia dubia (L.) Pennell
Mimulus ringens L.
Penstemon calycosus Small
Penstemon pallidus Small
Scrophularia marilandica L.
Verbascum blattaria L. introd.
Verbascum thapsus L. introd.
Veronica arvensis L. introd.
Veronica didyma Ten. introd.
Veronica peregrina L. introd.
Veronicastrum virginicum (L.) Farw.

Simarubaceae

Ailanthus altissima (Mill.) Swingle cult. & escaped

Solanaceae

Datura stramonium L. introd.
Lycopersicon esculentum Mill. cult. & escaped
Nicotiana affinis T. Moore cult.
Petunia hybrida Vilm. cult.
Physalis heterophylla Nees
Physalis subglabrata Mack. & Bush
Solanum carolinense L.
Solanum nigrum L.
Solanum rostratum Dunal

Staphyleaceae

Staphylea trifolia L.

Tiliaceae

Tilia americana L.

Tilia heterophylla Vent. cult.

Typhaceae (M)

Typha latifolia L.

Ulmaceae

Celtis occidentalis L.

Ulmus americana L.

Ulmus pumila L. introd.

Ulmus rubra Muhl.

Umbelliferae

Chaerophyllum procumbens (L.) Crantz

Cicuta maculata L.

Conium maculatum L. introd.

Cryptotaenia canadensis (L.) DC.

Daucus carota L. introd.

Eryngium yuccifolium Michx.

Heracleum lanatum Michx.

Osmorhiza claytoni (Michx.) Clarke

Osmorhiza longistylis (Torr.) DC.

Pastinaca sativa L. introd.

Perideridia americana (Nutt.)

Reichenb.

Sanicula canadensis L.

Sanicula gregaria Bickn.

Sium suave Walt.

Taenidia integerrima (L.) Drude

Thaspium barbinode (Michx.) Nutt.

Torilis japonica (Houtt.) DC.

Zizia aurea (L.) Koch

Urticaceae

Boehmeria cylindrica (L.) Sw.

Laportea canadensis (L.) Gaudich

Parietaria pennsylvanica Muhl.

Pilea pumila (L.) A. Gray

Urtica gracilis Ait.

Verbenaceae

Phyla lanceolata (Michx.) Greene

Verbena bracteata Lag. & Rodr.

Verbena canadensis (L.) Britt.

cult. & escaped

Verbena hastata L.

Verbena stricta Vent.

Verbena urticifolia L.

Verbena x illicita Moldenke

Violaceae

Viola cucullata Ait.

Viola eriocarpa Schw.

Viola missouriensis Greene

Viola papilionacea Pursh

Viola sororia Willd.

Viola striata Ait.

Vitaceae

Parthenocissus quinquefolia (L.)

Planch.

Vitis aestivalis Michx.

Vitis cinerea Engelm.

Vitis labrusca Bailey cult.

Vitis riparia Michx.

Vitis vinifera L. cult.

Vitis vulpina L.

Zingiberaceae (M)

Hedychium coronarium Koenig cult.

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