
DISTRIBUTION OF THE WOODY PLANTS OF OHIO.

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In the following list an attempt has been made to divide the woody plants of Ohio into groups according to distribution. The data were obtained from the State Herbarium which is now fairly complete as regards the woody plants of the State of Ohio. In some cases, further collecting is necessary to show the exact distribution. The plants are grouped according to the section in which they are found, as trees, shrubs, climbing vines, and trailing plants, under the heads of general, northern, southern, eastern, or rare distribution. There are apparently no woody plants that have come into the state from the west.

Out of the 278 species listed there are 106 trees, 54 shrubs, 13 climbing vines, and 4 trailing plants of general distribution; 11 trees, 11 shrubs, and 2 climbing vines, of northern distribution; 10 trees, 1 shrub, and 2 climbing vines, of southern distribution; 1 tree of eastern distribution; 21 trees, 36 shrubs, 4 climbing vines and 2 trailing plants of rare distribution. Besides the 278 species there are 32 others which have been reported as occurring in the state, 17 of which should probably be removed from the state list, but the remaining 15 should probably be retained as a part of the Ohio flora.

Supplementing the list on distribution is one of 66 of the important timber trees of the state, 54 of which are of general distribution and 12 of rare distribution. The 50 most important are marked with a star.

GENERAL DISTRIBUTION.

Trees.

- Juniperus virginiana L.
 Populus alba L.
 " balsamifera candicans
 (Ait.) Gr.
 " deltoides Marsh.
 " dilatata Ait.
 " grandidentata Mx.
 " tremuloides Mx.
 Salix alba L.
 " alba vitellina (L.) Koch.
 " fluviatilis Nutt.
 " discolor Muhl.
 " fragilis L.
 " nigra Marsh.
 " nigra falcata (Pursh.) Torr.
 " purpurea L.
 Juglans cinerea L.
 " nigra L.
 Hicoria alba (L.) Britt.
 " glabra (Mill.) Britt.
 " laciniosa (Mx. f.) Sarg.
 " minima (Marsh.) Britt.
 " microcarpa (Nutt.) Britt.
 " ovata (Mill.) Britt.
 Carpinus caroliniana Walt.
 Ostrya virginiana (Mill.) Willd.
 Betula lenta L.
 Alnus incana (L.) Willd.
 " rugosa (DuR.) Koch.
 Fagus americana Sw.
 Castanea dentata (Marsh.) Borkh.
 Quercus acuminata (Mx.) Houd.
 " alba L.
 " coccinea Wang.
 " imbricaria Mx.
 " macrocarpa Mx.
 " palustris DuR.
 " platanoides (Lam.) Sudw.
 " prinus L.
 " rubra L.
 " velutina Lam.
 Ulmus americana L.
 " fulva Mx.
 " racemosa Thom.
 Celtis occidentalis L.
 Morus alba L.
 " rubra L.
 Toxylon pomiferum Raf.
 Magnolia acuminata L.
 Liriodendron tulipifera L.
 Asimina triloba (L.) Dun.
 Sassafras sassafras (L.) Karst.
 Hamamelis virginiana L.
 Plantanus occidentalis L.
- Pyrus communis L.
 Malus angustifolia (Ait.) Mx.
 " coronaria (L.) Mill.
 " malus (L.) Britt.
 Amelanchier botryapium (L. f.) DC.
 " canadensis (L.) Medic.
 Crataegus coccinea L.
 " macracantha Lodd.
 " mollis (T.&G.) Scheele.
 " punctata Jacq.
 " punctata canescens
 Britt.
 " tomentosa L.
 " crus-galli L.
 Prunus americana Marsh.
 " avium L.
 " cerasus L.
 " serotina Ehrh.
 " virginiana L.
 Amygdalus persica L.
 Cercis canadensis L.
 Gleditsia triacanthos L.
 Gymnocladus dioica (L.) Koch.
 Robinia pseudacacia L.
 Xanthoxylum americanum Mill.
 Ptelea trifoliata L.
 Ailanthus glandulosa Desf.
 Rhus glabra L.
 " hirta (L.) Sudw.
 " copallina L.
 " vernix L.
 Euonymus atropurpureus Jacq.
 Staphylea trifoliata L.
 Acer negundo L.
 " nigrum Mx.
 " rubrum L.
 " saccharinum L.
 " saccharum Marsh.
 Aesculus glabra. Willd.
 Tilia americana L.
 Kalmia latifolia L.
 Oxydendrum arboreum (L.) DC.
 Diospyros virginiana L.
 Fraxinus americana L.
 " lanceolata Borkh.
 " nigra Marsh.
 " pennsylvanica Marsh.
 " quadrangulata Mx.
 Cornus florida L.
 " alternifolia L. f.
 " asperifolia Mx.
 Nyssa sylvatica Marsh.
 Viburnum lentago L.
 " prunifolium L.

Shrubs.

Taxus canadensis Marsh.	Ilex verticillata (L.) Gr.
Salix humilis Marsh.	Rhamnus lanceolata Pursh.
" sericea Marsh.	Ceanothus americanus L.
Corylus americana Walt.	Hypericum prolificum L.
Betula pumila L.	Dirca palustris L.
Berberis vulgaris L.	Gaylussacia resinosa (Ait.) T. & G.
Hydrangea arborescens L.	Vaccinium pennsylvanicum Lam.
Ribes aureum Pursh.	" corymbosum L.
" cynosbati L.	" vacillans Kalm.
" floridum L'Her.	Polycodium stamineum (L.) Greene
Opulaster opulifolius (L.) Ktz.	Oxycoccus macrocarpus (Ait.)
Spiraea salicifolia L.	Pers.
" tomentosa L.	Ligustrum vulgare L.
Rubus hispida L.	Cornus amomum Mill.
" nigrobaccus Bail.	" candidissima Marsh.
" canadensis L.	" stolonifera Mx.
" americanus (Pers.) Britt.	Cephalanthus occidentalis L.
" occidentalis L.	Sambucus canadensis L.
" strigosus Mx.	" pubens Mx.
" odoratus L.	Viburnum acerifolium L.
Rosa blanda Ait.	" cassinoides L.
" carolina L.	" dentatum L.
" humilis Marsh.	Symphoricarpos pauciflorus (Robb.)
" lucida Ehrh.	Britt.
" rubiginosa L.	" racemosus, Mx.
" setigera Mx.	" symphoricarpos
Aronia arbutifolia (L.) Medic.	(L.) MacM.
" nigra (Willd.) Britt.	Lonicera tartarica L.
Rhus aromatica Ait.	

Climbing Vines.

Smilax hispida Muhl.	Vitis cordifolia Mx.
" rotundifolia L.	" labrusca L. (Northern).
Lonicera glaucescens Rydb.	" vulpina L.
Menispermum canadense L.	Lycium vulgare (Ait. f.) Dun.
Celastrus scadens L.	Tecoma radicans (L.) DC.
Vitis aestivalis Mx.	Parthenocissus quinquefolia (L.)
" bicolor LeConte.	Planch.

Trailing Plants.

Rubus procumbens Muhl.	Gaultheria procumbens L.
Epigaea repens L.	Euonymus obovatus Nutt.

NORTHERN DISTRIBUTION.

Trees.

Pinus strobus L.	Salix lucida Muhl.
Larix laricina (DuR.) Koch.	Betula lutea Mx. f.
Juniperus communis L.	Crataegus oxyacantha L.
Populus heterophylla L.	Prunus pennsylvanica L. f.
Salix amygdaloides And.	Acer spicatum Lam.
" bebbiana Sarg.	

Shrubs.

Comptonia peregrina (L.) Coult.	Viburnum opulus L.
Ribes oxyacanthoides L.	" pubescens (Ait.) Pursh.
" rubrum L.	" alnifolium Marsh.
Hypericum kalmianum L.	Lonicera ciliata Muhl.
Lepargyrea canadensis (L.) Greene.	Diervilla diervilla (L.) MacM.
Chamaedaphne calyculata (L.)	
Moench.	

Climbing Vines.

Lonicera sempervirens L. Smilax bona-nox L.

SOUTHERN DISTRIBUTION.

Trees.

Pinus rigida Mill. Liquidambar styraciflua L.
 " virginiana Mill. Rhamnus caroliniana Walt.
 Betula nigra L. Aesculus octanadra Marsh.
 Quercus minor (Marsh.) Sarg. Tilia heterophylla Vent.
 " marylandica Moench. Chionanthus virginica L.

Shrubs.

Ascyrum multicaule Mx.

Climbing Vines.

Bignonia crucigera L. Smilax glauca Walt.

EASTERN DISTRIBUTION.

Trees.

Tsuga canadensis (L.) Carr.

RARE DISTRIBUTION.

Trees.

Pinus echinata Mill. Auglaize Co., probably accidental.
 Thuja occidentalis L. Champaign, Franklin, Green, Highland and Adams Counties.
 Populus balsamifera L. Auglaize, Harrison, Fayette and Ashtabula Counties.
 Salix babylonica L. Ashtabula, Wayne, and Fairfield Counties.
 " discolor erioccephala (Mx.) And. Erie and Licking Counties.
 " interior wheeleri. Rowlee. Erie and Preble Counties.
 " pentandra L. Franklin and Belmont Counties.
 Quercus prinoides Willd. Stark County.
 Amelanchier rotundifolia (Mx.) Roem. Ottawa, Erie, Lorain and Highland Counties.
 Crataegus rotundifolia (Ehrh.) Bork. Summit County.
 Prunus mahaleb. L. Lake and Franklin Counties.
 Robinia viscosa Vent. Cuyahoga, Lake, Ashtabula and Fairfield Counties.
 Ilex opaca Ait. Lawrence County.
 Cotinus cotinus (L.). Jefferson County. Escaped Cult.
 Euonymus europaeus L. Lake County. Prob. Escaped Cult.
 Rhododendron maximum L. Fairfield County.
 Fraxinus biltmoreana Bead. Franklin and Erie Counties.
 Catalpa catalpa (L.) Karst. Champaign, Montgomery and Franklin Counties.
 " speciosa. Warder. Ashtabula, Franklin, Hocking, Preble and Madison Counties. Cultivated extensively.
 Sorbus aucuparia L. Lake County. Probably escaped Cult.
 " sambucifolia (C. & S.) Roem. Crawford and Ashtabula Counties.

Shrubs.

Salix adenophylla Hook. Erie County.
 " candida Fluegge. Erie and Wyandot Counties.
 " cordata angustata (Pursh.) And. Ashtabula, Summit, Delaware, Franklin and Allen Counties.
 " glaucophylla Bebb. Williams, Wyandot, Licking and Erie Counties.
 " myrtilloides L. Portage, Wayne, Licking and Perry Counties.
 " petiolaris Sm. Fulton, Woods and Erie Counties.
 " petiolaris gracilis And. Erie County.
 " humilis tristis (Ait.) Griggs. Madison and Athens County.

- Philadelphus coronarius* L. Erie, Monroe, Belmont, Jefferson and Auglaize Counties.
Ribes uva-crispa L. Franklin and Lawrence Counties. Escaped from Cult.
Spiraea prunifolia Sieb. Cuyahoga County. Escaped from Cult.
Sorbaria sorbifolia (L.) A. Br. Lake and Harrison Counties.
Rubus canadensis L. Montgomery, Franklin and Hocking Counties.
 " *phoenicolasius* Max. Lake County.
Rosa canina L. Huron, Fayette and Brown Counties.
 " *gallica* L. Lake County.
 " *nitida* Willd. Lake County. Probably escaped from Cult.
Aronia atropurpurea Britt. Licking County.
Cotoneaster pyracantha (L.) Spach. Franklin County.
Prunus pumila L. Erie County.
Amorpha fruticosa L. Lucas County.
Robinia hispida L. Columbiana County. Probably Cult.
Euonymus americanus L. Clarke County.
Rhamnus alnifolia L'Her. Champaign, Cuyahoga and Lake Counties.
 " *cathartica* L. Champaign and Greene Counties.
Ceanothus ovatus Desf. Ottawa and Erie Counties.
Azalea lutea L. Fairfield County.
 " *nudiflora* L. Geauga and Portage Counties.
Andromeda polifolia L. Wayne, Stark and Geauga Counties.
Arctostaphylos uva-ursi (L.) Spreng. Erie County.
Vaccinium atrococcum (Gr.) Heller. Williams County.
 " *canadense* Rich. Lucas and Stark Counties.
Syringa vulgaris L. Lake and Jefferson Counties.
Cornus circinata L'Her. Cuyahoga, Summit and Warren Counties.
Viburnum lantana L. Lake County Prob. escaped Cult.
 " *molle* Mx. Hocking and Adams Counties.

Climbing Vines.

- Lonicera xylosteum* L. Lake County.
 " *hirsuta* Eaton. Ottawa, Monroe and Lorain Counties.
 " *oblongata* (Goldie). Hook. Cuyahoga County.
 " *dioica* L. Champaign and Franklin Counties.

Trailing Plants.

- Berberis aquifolia*. Pursh. Lake County.
Chiogenes hispidula (L.) T. & G. Summit and Stark Counties.

PLANTS NOT REPRESENTED, VERY DOUBTFUL.

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| <i>Salix alba coerulea</i> (Sm.) Koch. | <i>Prunus cuneata</i> Raf. |
| <i>Betula populifolia</i> Marsh. | <i>Acer pennsylvanicum</i> L. |
| <i>Philadelphus inodorus</i> L. | <i>Ledum groenlandicum</i> Oeder. |
| " <i>grandiflorus</i> Willd. | <i>Kalmia angustifolia</i> L. |
| <i>Ribes lacustre</i> (Pers.) Poir. | <i>Vaccinium pallidum</i> Ait. |
| <i>Spiraea corymbosa</i> Raf. | <i>Oxycoccus oxycoccus</i> (L.) Mac. M. |
| <i>Rubus baileyanus</i> Britt. | <i>Myrica cerifera</i> L. |
| " <i>setosus</i> Bigel. | <i>Quercus texana</i> Buckley. |
| " <i>frondosus</i> Bigel. | |

PROBABLY IN OHIO.

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|---|---|
| <i>Corylus rostrata</i> Ait. | <i>Azalea viscosa</i> L. |
| <i>Castanea pumila</i> (L.) Mill. | <i>Gaylussacia frondosa</i> (L.) T. & G. |
| <i>Quercus Schneckii</i> Britt. | <i>Broussonetia papyrifera</i> (L.) Vent. |
| " <i>nana</i> (Marsh.) Sarg. | <i>Lonicera caprifolium</i> L. |
| " <i>alexanderi</i> Britt. | <i>Smilax pseudo-china</i> L. |
| <i>Ribes nigrum</i> L. Escaped Cult. | <i>Ampelopsis cordata</i> Mx. |
| <i>Rosa cinnamomea</i> L. Escaped Cult. | <i>Parthenocissus quinquefolia</i> |
| <i>Cornus baileyi</i> Coult. & Evans. | <i>laciniata</i> Planch. |

THE VALUABLE TIMBER TREES OF OHIO.

General.

- **Juniperus virginiana* L.
Populus balsamifera candicans
 (Ait.) Gr.
 * " *deltoides*. Marsh.
 * " *grandidentata* Mx.
 **Juglans cinerea* L.
 * " *nigra* L.
 **Hicoria alba* (L.) Britt.
 * " *glabra* (Mill.) Britt.
 * " *laciniosa* (Mx.f.) Sarg.
 * " *minima* (Marsh) Britt.
 * " *microcarpa* (Nutt.) Britt.
 * " *ovata* (Mill.) Britt.
Carpinus caroliniana Walt.
Ostrya virginiana (Mill.) Willd.
 **Betula lenta* L.
 **Fagus americana* Sw.
 **Castanea dentata* (Marsh.) Borkh.
 **Quercus acuminata* (Mx.) Houd.
 * " *alba* L.
 * " *coccinea* Wang.
 * " *imbricaria* Mx.
 * " *macrocarpa* Mx.
 * " *palustris* DuR.
 * " *plantanoides* (Lam.)
 Sudw.
 * " *prinus* L.
 * " *rubra* L.
 * " *velutina* Lam.
- **Ulmus americana* L.
 " *fulva* Mx.
 * " *racemosa* Thom.
 **Celtis occidentalis* L.
Morus rubra L.
 **Toxylon pomiferum* Raf.
Magnolia acuminata L.
 **Liriodendron tulipifera* L.
 **Platanus occidentalis* L.
 **Prunus serotina* Ehrh.
 **Gleditsia triacanthos* L.
 **Gymnocladus dioica* (L.) Koch.
 **Robinia pseudacacia* L.
 **Acer nigrum* Mx.
 * " *rubrum* L.
 * " *saccharinum* L.
 * " *saccharum* Marsh.
Aesculus glabra Willd.
 **Tilia americana* L.
Diospyros virginiana L.
 **Fraxinus americana* L.
 * " *lanceolata* Borkh.
 * " *nigra* Marsh.
 * " *pennsylvanica* Marsh.
 * " *quadrangulata* Mx.
Cornus florida L.
 **Nyssa sylvatica* Marsh.

Rare or Local.

- **Pinus strobus* L.
 " *virginiana* Mill.
 **Larix laricina* (DuR.) Koch.
 **Tsuga canadensis* (L.) Carr.
Populus heterophylla L.
 " *balsamifera* L.
- **Betula lutea* Mx. f.
Quercus minor (Marsh.) Sarg.
Liquidambar styraciflua L.
Aesculus octandra Marsh.
 **Tilia heterophylla* Vent.
 **Catalpa speciosa* Warder.