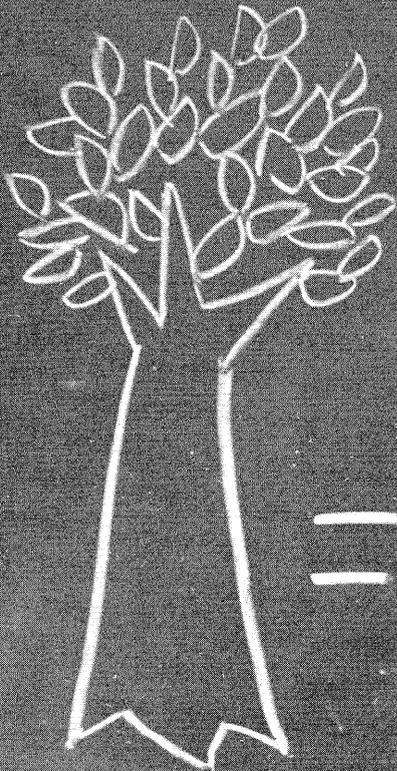


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TREES of the NORTH CENTRAL STATES

their
distribution
and use

Helen J. Lewey

NORTH CENTRAL FOREST EXPERIMENT STATION
FOREST SERVICE
U.S. DEPARTMENT OF AGRICULTURE

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TREES OF THE NORTH CENTRAL STATES:
THEIR DISTRIBUTION AND USES

Helen J. Lewey

FOREWORD

During my 14 years as a Statistical Assistant at the Carbondale field office of the North Central Forest Experiment Station, I have developed considerable interest in the uses of the different trees and shrubs on which I have compiled technical data. Because of the increasing number of people interested in the properties of our forest trees I have compiled a list of the major species found in our Station territory (Illinois, Indiana, Iowa, Minnesota, Michigan, Missouri, and Wisconsin). Although the focus of this report is on trees in these States, some of the species also may be found in adjoining areas.

Throughout history man has found wood indispensable for shelter, for fire to cook food and warm himself, and for weapons. Through years of technological study and research, man has found diverse and sophisticated uses for wood and bark. Transparent films, filaments, fabrics, plastics, and chemicals are a few of the less conventional forms of wood consumption. New industries, such as pulp and paper mills, are being built to meet an increasing demand for paper products.

The ease with which hardwood and softwood species can be worked into a variety of shapes and securely fastened together with simple tools and fasteners make them readily adaptable to many uses. The more important uses are listed in this report prepared as a ready reference for individuals, schools, the wood-using industry, and research organizations. Because there are often many common names for a species, it was generally necessary to select one reference and use it as a guide for the best common name (Little 1953). However, in some instances widely used common names are listed with a reference to the name used by Little.

Ailanthus:

Ailanthus altissima (Mill.) Swingle

Distribution: Illinois and Indiana.

Uses: Ornamental. Originally from China. Wood has the appearance of ash.

Uses: Tool handles, baseball bats, tennis rackets, furniture, interior trim, boatbuilding, slack and tight cooperage, boxes, crates, agricultural implements, and dairy, poultry, and apiary supplies.

Apple:

Sweet crab

Malus coronaria (L.) Mill.

Distribution: Illinois, Indiana,

Michigan, Missouri, and Wisconsin.

Uses: Fruit used for jelly.

Hedge (see osage-orange)

Aspen:

Bigtooth

Populus grandidentata Michx.

Distribution: Illinois, Indiana,

Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Pulp, excelsior, matches, corestock, clothespins, cabin construction, boxes, crates, furniture, general construction lumber, and dairy, poultry, and apiary supplies.

Ash:

Biltmore (see white ash)

Black

Fraxinus nigra Marsh.

Distribution: Illinois, Indiana,

Iowa, Michigan, Minnesota, and Wisconsin.

Uses: Cabinetwork, interior trim, and basketmaking.

Quaking

Populus tremuloides Michx.

Distribution: Illinois, Indiana,

Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Same as bigtooth aspen.

Blue

Fraxinus quadrangulata Michx.

Distribution: Illinois, Indiana,

Iowa, Michigan, Missouri, and Wisconsin.

Uses: Moderately important; similar to white ash.

Baldcypress

Taxodium distichum (L.) Rich.

Distribution: Illinois, Indiana, and Missouri.

Uses: Exterior trim of buildings, greenhouses, planking, boat- and shipbuilding, shingles, posts, poles, crossties, sash, doors, tanks, vats, coffins, silos, boxes, crates, railroad ties, slack cooperage, and tubs.

Green

Fraxinus pennsylvanica Marsh.

Distribution: Illinois, Indiana,

Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Similar to white ash.

Pumpkin

Fraxinus profunda (Bush) Bush

Distribution: Illinois, Indiana, and Missouri.

Uses: Unimportant.

Red (see pumpkin ash or green ash)

Basswood:

American

Tilia americana L.

Distribution: Illinois, Indiana,

Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Veneer, plywood, corestock, baskets, slack cooperage, excelsior, boxes, crates, sash, trunks, valises, coffins, tubs, kitchen cabinets, handles, shade and map rollers, venetian blind slats, and dairy, poultry, and apiary supplies.

White

Fraxinus americana L.

Distribution: Illinois, Indiana, Michigan, Minnesota, Missouri, and Wisconsin.

White

Tilia heterophylla Vent.

Distribution: Illinois, Indiana, and Missouri.

Uses: Same as American basswood.

Blue (see American hornbeam)

Beech:

American

Fagus grandifolia Ehrh.

Distribution: Illinois, Indiana, Michigan, Missouri, and Wisconsin.

Uses: Railroad ties, pulp, slack cooperage, flooring, furniture, boxes, crates, fuel, tool handles, ironing boards, clothespins, veneer, and fuel.

Birch:

Paper

Betula papyrifera Marsh.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.

Uses: Pulp, lumber, turned articles, veneer, boxes, baskets, furniture, crates, interior trim, butcher blocks, railroad ties, musical and scientific instruments, slack cooperage, tooth picks, and medical tongue depressors.

River

Betula nigra L.

Distribution: Illinois, Indiana, Iowa, Minnesota, Missouri, and Wisconsin.

Uses: Same as paper birch.

Yellow

Betula alleghaniensis Britton

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.

Uses: Furniture, flooring, veneer, railroad ties, slack cooperage, musical instruments, and novelties.

Boxelder (see maple)

Buckeye:

Ohio

Aesculus glabra Willd.

Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri

Uses: Boxes, crates, cigar boxes, artificial limbs, woodenware, trunks, valises, plywood, drawing boards, furniture, and plaques for pyrography.

Yellow

Aesculus octandra Marsh.

Distribution: Illinois and Indiana.

Uses: Same as Ohio buckeye.

Buffaloberry:

Silver

Shepherdia argentea (Pursh) Nutt.

Distribution: Iowa, Minnesota, and Wisconsin.

Uses: Ornamental.

Bumelia:

Gum

Bumelia lanuginosa (Michx.) Pers.

Distribution: Illinois and Missouri.

Uses: Unimportant. Produces clear, viscid gum.

Butternut:

Juglans cinerea L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Edible kernel. Substitute for black walnut. Furniture, interior trim, cabinetwork, woodenware, boxes, and crates.

Buttonbush:

Common

Cephalanthus occidentalis L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Contains tannin.

Buttonwood (see sycamore)

Catalpa:

Northern

Catalpa speciosa Warder

Distribution: Illinois, Indiana, and Missouri.

Uses: Fenceposts, rails, interior trim, cabinetwork, lumber, and fuel.

Cherry:
Black

Prunus serotina Ehrh.

Distribution: Illinois, Indiana, Iowa, Minnesota, Missouri, and Wisconsin.

Uses: Furniture, printers' blocks, patterns, professional and scientific instruments, piano actions, interior trim, tool handles, woodenware, gunstocks, veneer, and paneling.

Pin

Prunus pennsylvanica L. f.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Unimportant. Fruit used for jelly.

Chestnut:

American

Castanea dentata (Marsh.) Borkh.

Distribution: Illinois, Indiana, and Michigan.

Uses: Tannin, pulp, poles, fenceposts, railroad ties, slack cooperage, furniture, caskets, boxes and crates, millwork, and plywood. (Most of the chestnut were killed by the blight, *Endothia parasitica*, but the dead trees are still useful.)

Chokecherry:

Common

Prunus virginiana L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Fruit used for jelly.

Coffeetree:

Kentucky

Gymnocladus dioica (L.) K. Koch

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Ornamental. Fenceposts, crossties, rough construction, furniture, cabinetwork, interior trim, and fuel.

Cottonwood:

Eastern

Populus deltoides Bartr.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Pulp, excelsior, veneer, plywood, lumber, furniture, poultry coops, ironing boards, musical instruments, boxes, crates, tubs, and pails for food products.

Swamp

Populus heterophylla L.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Uses: Same as eastern cottonwood.

Cucumbertree:

Magnolia acuminata L.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Uses: Furniture, venetian blinds, siding, interior trim, sash, doors, boxes, and crates.

Devils-walkingstick:

Aralia spinosa L.

Distribution: Illinois, Indiana, and Missouri.

Uses: Ornamental.

Dogwood:

Flowering

Cornus florida L.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Uses: Ornamental. Shuttles, spools, mallet heads, golfclub heads, bobbin heads, small pulleys, jewelers' blocks, turnpins, and machinery bearings.

Elm:

American

Ulmus americana L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Slack cooperage, boats, basket veneer, boxes, crates, furniture (chair rockers and arms), interior trim, tool handles, saddle trees, and dairy, poultry, and apiary supplies.

- Rock
Ulmus thomasi Sarg.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Same as American elm.
- September
Ulmus serotina Sarg.
Distribution: Illinois and Missouri.
Uses: Unimportant.
- Slippery
Ulmus rubra Mühl.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Same as American elm.
- Winged
Ulmus alata Michx.
Distribution: Illinois, Indiana, Missouri.
Uses: Same as American elm.
- Fir:
 Balsam
Abies balsamea (L.) Mill.
Distribution: Iowa, Michigan, Minnesota, and Wisconsin.
Uses: Pulp, boxes, crates, sash, slack cooperage, general construction lumber, and woodenware.
- Hackberry:
Celtis occidentalis L.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Furniture, boxes, and crates.
- Hawthorn:
 Cockspur
Crataegus crus-galli L.
Distribution: Illinois and Missouri.
Uses: Ornamental.
- Downy
Crataegus mollis Schelle
Distribution: Illinois, Michigan, and Missouri.
Uses: Mallets and tool handles.
- Green
Crataegus viridis L.
Distribution: Illinois, Indiana, and Missouri.
- Hemlock:
 Eastern
Tsuga canadensis (L.) Carr.
Distribution: Indiana, Michigan, Minnesota, and Wisconsin.
Uses: Pulpwood, general construction lumber, boxes, crates, sash, doors, cabinets, and trunks.
- Hickory:
 Bitternut
Carya cordiformis (Wangenh.) K. Koch
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.
Uses: Nut is extremely bitter. Furniture, panelings, dowel pins, tool handles, ladders, skis, gymnastic bars, and fuel for smoking meats.
- Mockernut
Carya tomentosa Nutt.
Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.
Uses: Edible nut. Fuel for smoking meats.
- Pecan
Carya illinoensis (Wangenh.) K. Koch
Distribution: Illinois, Indiana, Iowa, and Missouri.
Uses: Edible nut. Furniture, paneling, and flooring.
- Pignut
Carya glabra (Mill.) Sweet
Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.
Uses: Tool handles and furniture.
- Shagbark
Carya ovata (Mill.) K. Koch
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Edible nut. Furniture, tool handles, and ladders.
- Shellbark
Carya laciniosa (Michx. f.) Loud.
Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.
Uses: Same as shagbark hickory.

Water

Carya aquatica (Michx. f.) Nutt.
Distribution: Illinois and Missouri.
Uses: Bitter nut. Same as bitternut hickory.

Holly:

American

Ilex opaca Ait.
Distribution: Illinois, Indiana, and Missouri.
Uses: Turnings, novelties, furniture, rulers, tool handles, engravings, scroll work, and carvings. Occasionally stained black to imitate ebony for piano keys.

Honeylocust:

Gleditsia triacanthos L.
Distribution: Illinois, Indiana, Iowa, Michigan, Missouri, and Wisconsin.
Uses: Fenceposts, crossties, veneer, furniture, and interior trim.

Hoptree:

Common

Ptelea trifoliata L.
Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.
Uses: Roots used as a tonic.

Hophornbeam:

Eastern

Ostrya virginiana (Mill.) K. Koch
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Furniture, fenceposts, tool handles, mallets, and fuel.

Hornbeam:

American

Carpinus caroliniana Walt.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.
Uses: Tool handles, levers, woodcogs, mallets, wedges, and fuel.

Locust:

Black

Robinia pseudoacacia L.
Distribution: Illinois, Indiana, and Missouri.
Uses: Fenceposts, poles, railroad ties, insulator pins, lumber, boxes, and crates.

Maple:

Black

Acer nigrum Michx. f.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Veneer, furniture, musical instruments, interior trim, bowling pins, flooring, tool handles, boxes, crates, butcher blocks, railroad ties, sash, doors, wood-ware, and standard wood in U. S. shear-test blocks.

Boxelder

Acer negundo L.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Furniture and woodenware.

Mountain

Acer spicatum Lam.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.
Uses: Ornamental.

Red

Acer rubrum L.
Distribution: Illinois, Indiana, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Ornamental.

Silver

Acer saccharinum L.
Distribution: Illinois, Indiana, Iowa, Minnesota, Michigan, Missouri, and Wisconsin.
Uses: Ornamental. Pulpwood; substitute for sugar maple.

Striped

Acer pennsylvanicum L.
Distribution: Illinois, Indiana, Michigan, and Minnesota.
Uses: Ornamental.

Sugar

Acer saccharum Marsh.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Flooring, musical instruments, bowling pins, boxes, crates, veneer, interior trim, and syrup.

Mountain-ash:

American

Sorbus americana Marsh.

Distribution: Illinois, Indiana, Michigan, and Wisconsin.

Uses: Ornamental.

Mountain-laurel:

Kalmia latifolia L.

Distribution: Indiana.

Uses: Small tree, ornamental.

Mulberry:

Red

Morus rubra L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Edible fruit. Fenceposts, furniture, caskets, agricultural implements, and slack cooperage.

Nannyberry:

Viburnum lentago L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Ornamental.

Oaks, red:

Black

Quercus velutina Lam.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Blackjack

Quercus marilandica Muenchh.

Distribution: Illinois, Indiana, and Iowa.

Cherrybark

Quercus falcata var. *pagodaefolia* Ell.

Distribution: Illinois, Indiana, and Missouri.

Northern pin

Quercus ellipsoidalis E. J. Hill

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Northern red

Quercus rubra L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Nuttall

Quercus nuttallii Palmer

Distribution: Missouri.

Pin

Quercus palustris Muenchh.

Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.

Scarlet

Quercus coccinea Muenchh.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Shingle

Quercus imbricaria Michx.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Shumard

Quercus shumardii Buckl.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Southern red

Quercus falcata Michx.

Distribution: Illinois, Indiana, and Missouri.

Willow

Quercus phellos L.

Distribution: Illinois and Missouri.

Uses for the red oaks: Railroad ties, railroad cars, wooden parts in motor and nonmotor vehicles, slack cooperage, fenceposts, mine timbers, poles, piling, veneer, furniture, interior paneling, flooring, agricultural implements, ship- and boatbuilding, caskets, boxes, crates, and firewood. Southern red oak bark is rich in tannin.

Oaks, white:

Bur

Quercus macrocarpa Michx.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Chestnut

Quercus prinus L.

Distribution: Illinois, Indiana, and Michigan.

Chinkapin

Quercus muehlenbergii Engelm.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Overcup

Quercus lyrata Walt.

Distribution: Illinois, Indiana, and Missouri.

Post

Quercus stellata Wangenh.

Distribution: Illinois, Indiana, Iowa, and Missouri.

Swamp chestnut

Quercus michauxii Nutt.

Distribution: Illinois, Indiana, and Missouri.

Swamp white

Quercus bicolor Willd.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

White

Quercus alba L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses for the white oaks: Same as red oaks plus tight cooperage.

Osage-orange:

Maclura pomifera (Raf.) Schneid.

Distribution: Illinois, Michigan, and Missouri.

Uses: Archery bows, fenceposts, lumber, fuel, and insulator pins. Yellow dye is extracted from roots.

Pawpaw:

Asimina triloba (L.) Dunal

Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.

Uses: Ornamental. Edible fruit.

Pecan (see hickory)

Persimmon:

Common

Diospyros virginiana L.

Distribution: Illinois, Indiana, Iowa, and Missouri.

Uses: Edible fruit. Golfclub heads, billiard cues, shuttles, spools, bobbins, boxes, crates, and tool handles.

Pine:

Eastern white

Pinus strobus L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.

Uses: Interior trim, patternmaking, matches, signs, pulpwood, caskets, boxes, construction lumber, venetian blinds, and dairy and poultry supplies.

Jack

Pinus banksiana Lamb.

Distribution: Michigan, Minnesota, and Wisconsin.

Uses: Pulpwood, railroad ties, posts, mine timbers, boxes, crates, and fuel.

Loblolly

Pinus taeda L.

Distribution: Introduced by plantations in Illinois, Indiana, and Missouri.

Uses: Same as shortleaf pine.

Red

Pinus resinosa Ait.

Distribution: Illinois, Michigan, Minnesota, and Wisconsin.

Uses: Pulp, railroad ties, poles, posts, construction lumber, boxes, crates, venetian blinds, and interior and exterior trim.

Shortleaf

Pinus echinata Mill.

Distribution: Illinois and Missouri.

Uses: Lumber, flooring, boxes, railroad ties, car siding, poles, posts, pulpwood, excelsior, structural timber, boatbuilding, tanks, silos, woodenware, novelties, and basket veneer.

Virginia

Pinus virginiana Mill.

Distribution: Indiana.

Uses: Pulpwood, fuel, and posts.

- Plum:
 American
Prunus americana Marsh.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Little commercial use; varies widely in its palatability.
- Serviceberry:
 Downy
Amelanchier arborea (Michx. f.) Fern
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Ornamental. Edible berry. Tool handles.
- Poplar (see yellow-poplar)
- Poplar:
 Balsam
Populus balsamifera L.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.
Uses: Pulpwood, excelsior, furniture (concealed parts), poultry coops, ironing boards, and tubs for food products.
- Lombardy
Populus nigra var. *italica* Muenchh.
Distribution: Illinois.
Uses: Ornamental. Form of the European black poplar.
- Redbud:
 Eastern
Cercis canadensis L.
Distribution: Illinois, Indiana, Iowa, Michigan, and Missouri.
Uses: Ornamental.
- Redcedar:
 Eastern
Juniperus virginiana L.
Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.
Uses: Cedar chests, closets, interior woodwork, lead pencils, posts, poles, rustic furniture, and novelties.
- Sassafras:
Sassafras albidum (Nutt.) Nees
Distribution: Illinois, Indiana, Michigan, and Missouri.
Uses: Lumber (often sold for black ash), oil (used for flavoring tea and candies), fenceposts, rails, wooden pails, and small boats.
- Silverbell:
 Carolina
Halesia carolina L.
Distribution: Illinois and Indiana.
Uses: Ornamental.
- Smoketree:
 American
Cotinus obovatus Raf.
Distribution: Missouri.
Uses: Ornamental.
- Soapberry:
 Western
Sapindus drummondii Hook. & Arn.
Distribution: Missouri.
Uses: Unimportant.
- Sourwood:
Oxydendrum arboreum (L.) DC.
Distribution: Illinois and Indiana.
Uses: Tool handles, bearings for machinery, and sled runners.
- Sparkleberry:
 Tree
Vaccinium arboreum Marsh.
Distribution: Illinois, Indiana, and Missouri.
Uses: Edible berry.
- Spruce:
 Black
Picea mariana (Mill.) B. S. P.
Distribution: Michigan, Minnesota, and Wisconsin.
Uses: Paddles, oars, pulpwood, slack cooperage, interior trim, musical instruments, boatbuilding, furniture, and ladder rails.

White

Picea glauca (Moench) Voss

Distribution: Michigan, Minnesota, and Wisconsin.

Uses: Boxes, crates, sounding boards, construction lumber, pulpwood, slack cooperage, interior trim, musical instruments, boatbuilding, furniture, ladder rails, paddles, and oars.

Sugarberry:

Celtis laevigata Willd.

Distribution: Illinois, Indiana, and Missouri.

Uses: Furniture, interior trim, boxes, and crates.

Sumac:

Staghorn

Rhus typhina L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, and Wisconsin.

Uses: Ornamental.

Swamp-privet:

Forestiera acuminata (Michx.) Poir.

Distribution: Illinois, Indiana, and Missouri.

Uses: Unimportant.

Sweetgum:

Liquidambar styraciflua L.

Distribution: Illinois, Indiana, and Missouri.

Uses: Veneer, lumber, furniture, containers, railroad ties, pulpwood, mine props, boxes, and crates. Storax gum used in drugs and soaps obtained from the bark.

Sycamore:

American

Platanus occidentalis L.

Distribution: Illinois, Indiana, Iowa, Michigan, Missouri, and Wisconsin.

Uses: Slack cooperage, boxes, crates, veneer, cigar boxes, furniture, cabinets, ties, ironing boards, butcher blocks, and fuel.

Tamarack:

Larix laricina (DuRoi) K. Koch

Distribution: Illinois, Indiana, Michigan, Minnesota, and Wisconsin.

Uses: Poles, railroad ties, rough lumber, pulpwood, boxes, crates, pails, and buckets.

Tree of heaven (see *Ailanthus*)

Tupelo:

Water

Nyssa aquatica L.

Distribution: Illinois and Missouri.

Uses: Veneer, plywood, pulp, furniture, tool handles, platform planking, floors, railroad ties, kitchen cabinets, boxes, crates, ironing boards, clothespins, and dairy, poultry, and apiary supplies.

Black (blackgum)

Nyssa sylvatica Marsh.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Uses: Same as water tupelo.

Walnut:

Black

Juglans nigra L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Edible nut. Furniture, interior trim, cabinet work, veneer, paneling, gunstocks, caskets, woodenware, and novelties.

White (see butternut)

Waterlocust:

Gleditsia aquatica Marsh.

Distribution: Illinois and Indiana.

Uses: Fenceposts and crossties.

White-cedar:

Northern

Thuja occidentalis L.

Distribution: Illinois, Indiana, Michigan, Minnesota, and Wisconsin.

Uses: Poles, posts, cabins, pails, tubs, railroad ties, rustic furniture, shingles, boatbuilding, and woodenware.

Willow:

Black

Salix nigra Marsh.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Artificial limbs, veneer, pulpwood, charcoal, boxes, crates, furniture, and slack cooperage.

Peachleaf

Salix amygdaloides Anderss.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Charcoal and woodenware.

Weeping

Salix babylonica L.

Distribution: Illinois and Missouri.

Uses: Ornamental.

Witch-hazel:

Hamamelis virginiana L.

Distribution: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, and Wisconsin.

Uses: Ornamental.

Yellow-poplar:

Liriodendron tulipifera L.

Distribution: Illinois, Indiana, Michigan, and Missouri.

Uses: Cigar boxes, patterns, coffins, plywood, furniture, interior trim, construction lumber, veneer, pulpwood, crates, musical instruments, fruit and berry boxes, toys, and novelties.

Yellowwood:

Cladrastis lutea (Michx. f.) K. Koch

Distribution: Illinois, Indiana, and Missouri.

Uses: Ornamental. Veneer, gunstocks, fuel, and yellow dye.

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Soil is for plants...not for tire tracks.