

Black Walnut

Juglans nigra

LEAVES: Compound, alternate; 15 to 23 leaflets, each 3 to 4 inches long, small-toothed dark yellow-green above, paler, hairy below. End leaflet absent or very small. Main leaf-stem with very fine hairs.

TWIGS AND BUDS: The twigs are hairless, stout, orange-brown to dark brown, easily broken; pith is light brown and chambered by woody partitions. The buds are whitish and woolly. Leaf scars are 3 lobed and resemble a monkey face.

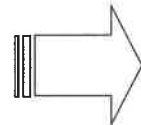
FLOWERS: Drooping green catkins, appearing with the unfolding leaves, and blooms during April-June.

FRUIT: Large round nuts with black husks. The fruits ripen around October-November.

BARK: Dark brown to gray-black, with narrow ridges.

TREE SIZE: A large-sized tree that grows up to 100 feet with a broad, open crown. Wood valuable for quality furniture, veneer, gun stocks, and musical instruments.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Black Walnut

Juglans nigra



Southern Red Oak

Quercus falcata

LEAVES: 8 inches, variable, curved, thin; standard leaf has 4 to 7 deep brittle-tipped lobes, terminal one longer.

TWIGS AND BUDS: Twigs at maturity are smooth and reddish-brown; buds egg-shaped, red to reddish brown, hairy.

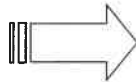
FLOWERS: Pistillate flowers on short stalks.

FRUIT: 1/2 inch acorns, attached directly by its base or short-stalked; the cup is shallow.

BARK: Very dark gray, cracked with scaly ridges.

TREE SIZE: Moderate to large tree to 100 feet tall, diameter to 3 feet or more.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Southern Red Oak

Quercus falcata



Chestnut Oak

Quercus montana

LEAVES: Oval to obovate, 4 to 8 inches long, 3 to 4 inches wide, dark green above with few hairs, paler and densely hairy below, scalloped, lobed with 10-15 pairs of diagonally rounded to sharp teeth.

TWIGS AND BUDS: Twigs stout, gray; buds broadly egg-shaped or oval, sharp, long, dark red, minutely hairy, the scales with pale margins.

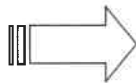
FLOWERS: Stamens hairy, 3 to 4 inches long, slender.

FRUIT: Nuts are acorns, oval to cone-shaped, 1 to 1 1/2 inches long, glossy brown.

BARK: Whitish to light gray, shallowly furrowed bark, the ridges scaly or flaky.

TREE SIZE: To 100 feet tall, trunk diameter 3 to 6 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Chestnut Oak

Quercus montana



Red Maple

Acer rubrum

LEAVES: Opposite, simple lobed leaf, relatively small for a maple, usually three triangular lobes. Size of leaf is about 4 inches. The notches between the lobes are shallow. Leafstalk usually red. Fall color variable.

TWIGS AND BUDS: Both are a reddish color. Lateral buds have several scales. Extra buds may be present.

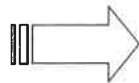
FLOWERS: Red and sometimes yellow. They are in short clusters. The flowers bloom between March and May.

FRUITS: A reddish color and emerge between May and July. Fruits have papery wings and are often referred to as helicopters.

BARK: Gray and smooth when it is a young, broken and a darker color bark when it is an older trunk.

TREE SIZE: Can be as tall as 70 to 150 feet, and be 12 to 24 inches in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Red Maple

Acer rubrum



Willow Oak

Quercus phellos

LEAVES: Entire, narrowly oblong (2 to 4 inches long by 1/2 to 1 inch wide), sharp and bristle tipped, underleaf sometimes fuzzy.

TWIGS AND BUDS: Twigs slender, smooth, reddish-brown becoming darker with age. Winter buds egg-shaped, sharp, slightly angled.

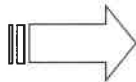
FLOWERS: Has both male and female flowers; males borne on slender yellow-green catkins; females borne on very short auxilliary spikes, both appear very early with the leaves.

FRUIT: Nuts, as acorns, nearly smooth, about 1/2 inch long, brown with gray soft down; cup shallow, saucer shaped. April-May

BARK: Finely ridged, brown bark.

TREE SIZE: Large tree often to 80 feet tall; trunk diameter 20 to 30 inches.

LEAVES, TWIG, FLOWER, FRUIT, BARK



WILLOW OAK

Quercus phellos



Northern Red Oak

Quercus rubra

LEAVES: To 7 inches; tapered, sharply pointed, usually shallow lobes, smooth, green underneath; leaf stalk often red.

TWIGS AND BUDS: Twigs stout, changing from reddish-brown to brown with age. Buds egg-shaped to oval, long, red or reddish-brown, 2 to 3 inches, with pale hairs.

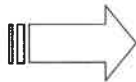
FLOWERS: Pistillate flowers on short, smooth stalk; stigmas green.

FRUIT: Acorns solitary or in pairs, 1 inch long, reddish-brown with sparse hairiness, only the base enclosed in the flat cup.

BARK: Moderately thick, smooth, and lustrous; becoming darker, with rough, flat-topped ridges when larger.

TREE SIZE: Large tree to 90 feet tall or occasionally larger, trunks up to 6 feet in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Northern Red Oak

Quercus rubra



Mockernut Hickory

Carya tomentosa

LEAVES: Alternate, feather-like compound leaves with 5-9 leaflets. The compound leaf is 6 to 12 inches long. Gives off fragrant scent when crushed. It is either a pale or an orangish color on the underside.

TWIGS AND BUDS: Twigs are woolly and stout. The buds have overlapping scales. End buds are 1/2 to 3/4 inches long.

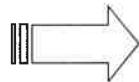
FLOWERS: Male flowers are long, yellow-green, drooping catkins. Female flowers are in small clusters near the tip of twig. Both appear in spring.

FRUITS: Nut is a ball or egg shaped and is edible. It is covered with a thick husk. The husk typically has 4 sections that only split part way at the base.

BARK: Tight and deeply furrowed bark with interlaced pattern.

TREE SIZE: 60 to 100 feet in height. Diameter is 1 to 2 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Mockernut Hickory

Carya tomentosa



White Oak

Quercus alba

LEAVES: About 4 inches long, and are obovate. They open reddish, and later have a green color above and a dull grayish green or blue color below.

TWIGS AND BUDS: Twigs first appear with hairs. They are red above and green below. Buds are egg-shaped or round.

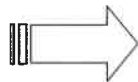
FLOWERS: The male flowers are greenish-yellow catkins, female flowers (up to 4 inches long) are small reddish spikes.

FRUITS: Acorns that are long and egg-shaped. About 1-2 inches long, they appear in clusters of 2-6.

BARK: Furrowed and scaly, shredding in higher parts of the trunk.

TREE SIZE: Usually occurs 60 feet in height, sometimes reaching 100 feet; 2 to 4 feet in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK



White Oak

Quercus alba



Tuliptree

Liriodendron tulipifera

LEAVES: Alternate, simple leaves are notch-tipped with 4-points and hairless (tulip-shaped). Leaves can be between 4 and 8 inches long.

TWIGS AND BUDS: Twigs are hairless with stipule scars completely encircling the twig at the leaf scars. Pith is chambered.

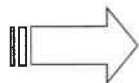
FLOWERS: The large, tulip-like, orange and green colored flowers bloom during May-June.

FRUIT: Slim, winged, and a whitish color. They are clustered upright in a cone-like shape about 2-3 inches long. They ripen during September-November.

BARK: Light gray, and often whitened in grooves and patches on younger bark.

TREE SIZE: It is tall tree that grows to be 115 feet and 39 inches in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Tuliptree

Liriodendron tulipifera



Common Persimmon

Diospyros virginiana

LEAVES: Alternate, simple, thick, egg-shaped, and entire. Leaves are about 4-7 inches long and 2-3 inches wide.

TWIGS AND BUDS: The buds are a dark color with 2 scales. Pith of the twig is solid or diaphragmed (thin crosswalls).

FLOWERS: The bell shaped flower is a yellowish color. They bloom during the months of May-June.

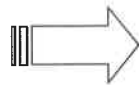
FRUIT: A plum-like berry. They are an orange color, 1 1/2 to 2 inches in diameter. They are edible when ripe. The fruits ripen during the months of August-October and sometimes later.

BARK: Thick, dark bark, usually broken into small squarish blocks.

TREE SIZE: It can get as tall as 60 feet and 2 feet in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK

LEAVES, TWIG, FLOWER, FRUIT, BARK



Common Persimmon

Diospyros virginiana



Sweetgum

Liquidambar styraciflua

LEAVES: Alternate, simple, star-shaped, and toothed with 5 to 7 lobes. When crushed there is a fragrant scent.

TWIGS AND BUDS: Shiny green to yellow-brown, stubby branches. The twigs bark may have corky ridges. The buds have numerous scales, which are hairy and have bundle scars.

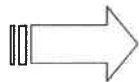
FLOWERS: They bloom during April and May. Tiny, greenish, and ball-like. They grow in clusters. Male flowers are in spikes and female are singular.

FRUIT: Brown, dry, prickly, long-stemmed hanging balls. The fruits ripen between September-November.

BARK: Mature bark is a grayish color. Bark may have corky ridges.

TREE SIZE: They can reach to between 80 and 100 feet in height and with a diameter of 3 to 4 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Sweetgum

Liquidambar styraciflua



American Hornbeam (Ironwood)

Carpinus caroliniana

LEAVES: Alternate, simple, egg-shaped, and double toothed. Leaves about 2 to 5 inches long.

TWIGS AND BUDS: The twigs are variably hairy or not hairy at all. The buds are brown in color. They are somewhat square in cross-section. End buds are false.

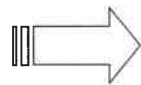
FLOWERS: Bloom during April. Male catkins are slender, yellow-green, and dangling approximately 1 to 1 1/2 inches long. Female catkins are shaggy, 2 to 3 inches long and fuzzy at the end of new growth.

FRUIT: Tiny nuts attached to three-pointed leafy bracts (modified leaves). They ripen in late summer and fall.

BARK: It has a very distinctive muscular, smooth, dark gray bark. The trunk is deeply rippled and has a sinewy look to it.

TREE SIZE: It is relatively a small tree. Can grow to 40 feet tall with a diameter of 4 inches.

LEAVES, TWIG, FLOWER, FRUIT, BARK



American Hornbeam (Ironwood)

Carpinus caroliniana



American Beech

Fagus grandifolia

LEAVES: Oval with a pointed tip, about 5 inches long with 11-15 pairs of veins.

TWIGS AND BUDS: Twigs are initially green, becoming reddish-brown by winter, and later ash-gray. Twigs have long hairs at first, but they are soon lost. Buds are about 3/4 of an inch long and have a pale brown color. They are slender, spindle-shaped, and set singly at a sharp angle.

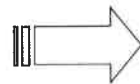
FLOWERS: The small flowers are unisexual, the female flowers borne in pairs, the male flowers, wind-pollinating catkins.

FRUIT: Nuts are 3/4 of an inch long, prickly, and have a triangular shape. These fruits splits into four shiny pieces in the fall.

BARK: Is smooth and gray. It stays smooth when it gets older.

TREE SIZE: Normally 90 to 100 feet, often surrounded by suckers.

LEAVES, TWIG, FLOWER, FRUIT, BARK



American Beech

Fagus grandifolia



Eastern Red Cedar

Juniperus virginiana

LEAVES: Two types of evergreen leaves. Young leaves are awl-shaped, oppositely arranged, and stick out along small branches. Older leaves are tiny, scale-like triangular-shaped, and closely overlapping. Both are dark to light green in color but the older leaves have a silvery-white cast. All leaves turn brown eventually.

TWIGS AND BUDS: The twigs are 4-sided and have branchlets. Twigs are green for several years, covered in scales later turning brown.

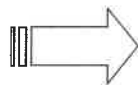
FLOWERS: Male and female flowers (pollen cones) grow on separate trees.

FRUIT: The fruit are waxy, bluish berries about 1/4 of an inch in diameter and are covered with a white powder.

BARK: The reddish-brown bark is dry, shreddy and not ridged.

TREE SIZE: It is a medium sized tree and can grow to be 30 to 50 feet tall and 1 to 2 feet in diameter.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Eastern Red Cedar

Juniperus virginiana



American Holly

Ilex opaca

LEAVES: Thick, leathery, deep green, evergreen (2 to 4 inches long) have spiny marginal teeth.

TWIGS AND BUDS: Buds are very small.

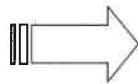
FLOWERS: Male and female flowers grow on separate trees. The very small greenish-white flowers bloom between May and June.

FRUIT: The fruit (on the female trees) are bright red drupes (1/4 to 1/2 inch in diameter). The fruits develop in the fall but remain on tree through out the winter. Birds love the fruit.

BARK: Light gray and smooth.

TREE SIZE: It can get to be 30 to 50 feet tall. The diameter is 1 to 2 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



American Holly

Ilex opaca



Mountain Laurel

Kalmia latifolia

LEAVES: Alternate, simple, evergreen, hairless, flat, leathery, pointed, toothless, and light green on the underside. The leaves can be up to 5 inches long.

TWIGS AND BUDS: Twigs are hairless. Flower buds are large.

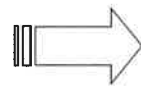
FLOWERS: Medium sized, white-pink, and are clustered together. They bloom between May-July.

FRUIT: Rounded capsules.

BARK: A reddish color.

TREE SIZE: It is a small tree or shrub, reaching the height of 7 to 15 feet but on rare occasions it can grow to be 20 to 30 feet tall.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Mountain Laurel

Kalmia latifolia



Blackgum

Nyssa sylvatica

LEAVES: Oval or obovate, 3 to 6 inches long, dark green and lustrous above, paler and smooth beneath, firm or leathery in texture, margins entire or with a few, large, low teeth.

TWIGS AND BUDS: Twigs brown, smooth.

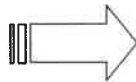
FLOWERS: Very small greenish-white flowers, appear in clusters on top of a long stalk when leaves are partly developed. Its flowers are an important source of honey.

FRUIT: Drupes 1/3 of an inch long, dark blue, 2 or 3 together on stalks; April-May. Its fruits are sought by many kinds of birds in the fall.

BARK: Thick, reddish-brown or dark gray, much roughened by many short fissures and ridges.

TREE SIZE: Grows 66 to 82 feet tall with a trunk diameter of 20 to 39 inches.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Blackgum

Nyssa sylvatica



Pawpaw

Asimina triloba

LEAVES: Large alternate, simple, toothless leaves. Leaves are elongated and about 8 to 13 inches long and 4 to 6 inches broad. They smell like petroleum or rubber when crushed.

TWIGS AND BUDS: The twigs can sometimes look like young buds. The buds are a deep brown or reddish color, long and naked, although sometimes hairy. The reddish colored ones are the hairy end buds. The side buds are shorter and hairy.

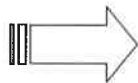
FLOWERS: Purplish, up to 2 inches across and blooms during the months of April-May.

FRUITS: The large, fleshy fruits are green or yellow. They also look somewhat like a short, flat banana and have a sweet taste. Fruits ripen during the months of September-October and are enjoyed by humans and other mammals.

BARK: Smooth or somewhat dark colored, broken bark.

TREE SIZE: Can be from 16 to 33 feet tall.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Pawpaw

Asimina triloba



River Birch

Betula nigra

LEAVES: Leathery, diamond-shaped, medium to dark green leaves, 1 1/2 to 3 1/2 inches long, with doubly toothed margins turn yellow in fall.

TWIGS AND BUDS: The twigs are smooth while lateral buds are slightly hairy.

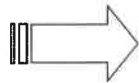
FLOWERS: Appear in drooping, brownish male catkins and smaller, upright greenish female catkins. The female flowers bloom during April-May, male flowers grow in the fall.

FRUITS: Cone-like nutlets that ripen between June-September.

BARK: Salmon-pink to reddish brown bark exfoliates to reveal lighter inner bark.

TREE SIZE: Mature trees are generally around 40 to 50 feet tall and can sometimes reach 90 feet. The diameter is usually 1 to 3 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



River Birch

Betula nigra



Virginia Pine

Pinus virginiana

LEAVES: Needles are short, only one-and-a-half to three inches long.

TWIGS AND BUDS: Twigs are a yellowish or somewhat purplish and whitened.

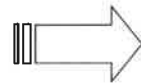
FLOWERS: Small yellow cylinders at the end of a branch.

FRUIT: Pine cones are small and oval-shaped, up to two-and-a-half inches long.

BARK: A reddish color and has blocky plates.

TREE SIZE: Mostly small or medium sized. They can get to be 70 feet in height and have a diameter of 1-2 feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Virginia Pine

Pinus virginiana



Sassafras

Sassafras albidum

LEAVES: Alternate, simple, come in three types: un-lobed, two lobed, and three lobed. They are hairless, and some may have velvety hair beneath. The leaves are about 3 to 5 inches long.

TWIGS AND BUDS: The twigs are green and sometimes hairy. Only one bundle scar per leaf. There are true terminal buds present. The twig, bark, and leaves give off a spicy fragrance when crushed.

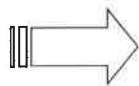
FLOWERS: Greenish and yellow. Flowers bloom during April-June.

FRUIT: Blue, fleshy, and have one seed. Fruits ripen between August-October.

BARK: Mature bark is a red-brown color and furrowed.

TREE SIZE: Usually a small tree with rough bark but often shrub-like in dense thickets from underground parts.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Sassafras

Sassafras albidum



Post Oak

Quercus stellata

LEAVES: Densely hairy below, with five broad lobes of which two central lobes are distinctly square, 5-10 inches long.

TWIGS AND BUDS: Twigs tan, scurfy, with many hairs at first, darker and with fewer hairs when older. Buds are short, blunt, and orange-brown.

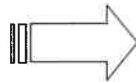
FLOWERS: Male flowers are yellow-green catkins, females are reddish and appear as spikes.

FRUIT: Acorn oval to egg-shaped, 3/4 to 1 1/4 inches long, brown, with darker striations, the nut usually somewhat hairy at the tip, 2 or 3 times as long as the cup with is composed of thin scales.

BARK: Ashy gray to light brown, deep grooves and broad ridges.

TREE SIZE: Medium sized, rarely over 65 feet tall; trunk diameter one to two feet.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Post Oak

Quercus stellata



Flowering Dogwood

Cornus florida

LEAVES: Opposite, simple leaves are hairless and can be in several shapes ranging from elliptical to egg to wedge shapes. Leaves are 3 to 6 inches long.

TWIGS AND BUDS: Twigs and branchlets are usually dark purple.

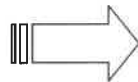
FLOWERS: Grow in small clusters and each cluster surrounded by 4 (rarely 6-8) large white or slightly pink bracts (not true petals), about 3 inches. Flowers bloom during the months of March-June.

FRUIT: Small red drupes (on rare occasions they are yellow), about 1/2 inch in diameter. The fruits ripen during the months of August-November.

BARK: Dark, deeply checkered in an alligator-hide pattern.

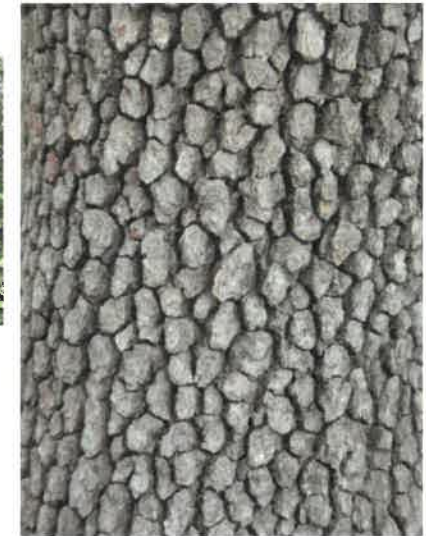
TREE SIZE: Small to a medium sized tree. They can be as tall as 12 to 36 feet with a short trunk and a crown of spreading or nearly horizontal branches.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Flowering Dogwood

Cornus florida



Eastern Redbud

Cercis canadensis

LEAVES: Alternate, simple, heart-shaped, dull green to blue-green leaves (3 to 5 inches across) have a papery texture and short pointed at the tip. Leaves turn pale yellow to greenish-yellow in fall.

TWIGS AND BUDS: Twigs are slender, zigzag, and lack a terminal bud. Lateral buds are small, lying closely against the adjacent part.

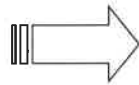
FLOWERS: Occur in clusters along twigs and even older branches. They are pea-like flowers about 1/2 inch in length. Color is a rosy-pink and they appear in early spring, often two to three weeks before the leaves.

FRUIT: Flat, thin, brown pendant legume 2 to 4 inches long. They often persist into the fall.

BARK: When old, bark is dark and scaly.

TREE SIZE: Small tree, usually less than 30 feet in height.

LEAVES, TWIG, FLOWER, FRUIT, BARK



Eastern Redbud

Cercis canadensis

