

# American basswood



@YUZ. Alternate, simple, á

## American elm



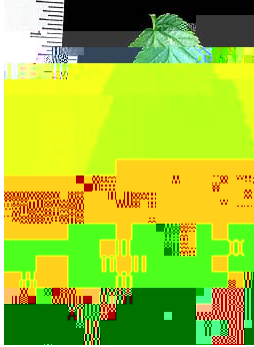
@YUZ. Alternate, simple, ovate to oblong, 3 to 5 inches long, 1 to 3 inches wide, margin coarsely and sharply doubly serrate, base conspicuously inequilateral, upper surface green and glabrous or slightly scabrous, paler and downy beneath.

## winged elm



@YUZ. Alternate, simple, narrowly ovate, 2 inches long, margin coarsely and sharply doubly serrate, base of leaf inequilateral; upper surface dark green, paler and slightly hairy beneath, with very short petioles.

## slippery elm



Leaf – simple leaf, arrange alternately on stem. The leaf is much like the winged elm but larger. The slippery elm leaf is usually 4 to 6 inches long and 2 to 3 inches wide. The margin serrated and the base is conspicuously inequilateral. The leaf is dark green above and paler beneath and hairy.

## American holly



@YUZ. Alternate, simple, evergreen, elliptical, 2 to 4 inches long, spiny toothed margin, thickened and leathery, shiny dark green above, much paler below.

## American hornbeam



@YUZ. Alternate, simple, elliptical to ovate, 3 to 5 inches long, pinnately veined, tip acuminate, doubly serrate margin; waxy, smooth green above, paler below.

## baldcypress



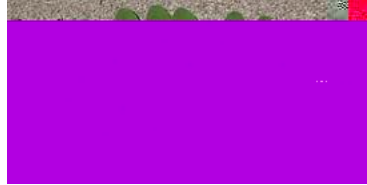
@YUZ. Linear and small, 1/4 to 3/4 inch long, generally appearing two-ranked. When growing on deciduous branchlets the leaf-deciduous branchlet structure resembles a feathery pinnately (or bi-pinnately) compound leaf; green to yellow-green.

# black cherry



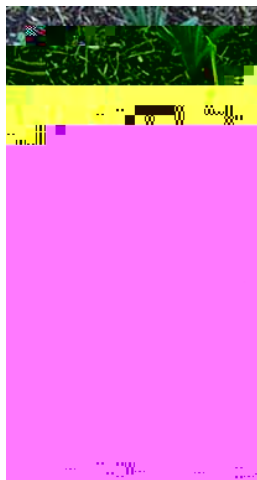
@YUZ. Alternate, simple, 2 to 5 inches long, oblong to lance-shaped, finely serrated, very small inconspicuous glands on petiole, dark green and

## black locust



@YUZ. Alternate, pinnately compound, with 7 to 19 leaflets, 8 to 14 inches long. Leaflets are oval, one inch long, with entire margins. Leaves resemble sprigs of grapes; green above and paler below.

## honeylocust



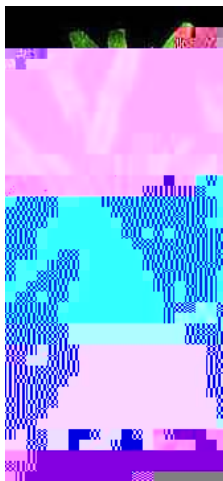
@YUZ. Alternate, pinnately compound, 5 to 8 inches long, with 15 to 30 leaflets or bipinnately compound with 4 to 7 pairs of minor leaflets. Leaflets are 1/2 to 1 1/2 inches long, ovate to elliptical in shape, green to yellow-green.

## mimosa



@YUZ. Alternate, bi-pinnately compound and very feathery, 10-20 inches long. Each leaflet is narrow and small, approximately 3/8 inch long.

## black willow



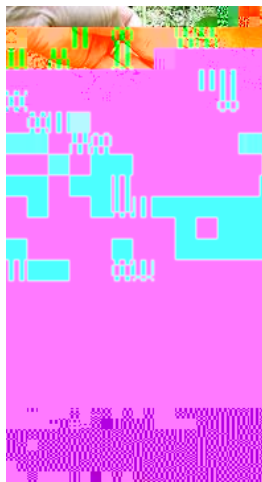
@YUZ. Alternate, simple, pinnately veined, lanceolate in shape, 3 to 6 inches long, with a finely serrate margin. Leaves are dark and shiny above, light green below.

## buckeye



@YUZ. Opposite, palmately compound, 10 to 15 inches long, 5 oval leaflets, each 3 to 7 inches long, sharply serrate, petiole as long as leaflet; dark green above and paler below.

## catalpa



@YUZ. May be opposite or whorled, pinnately veined, 5 to 12 inches long.



## common persimmon



@YUZ. Alternate, simple, oblong to oval, 2 1/2 to 5 inches long, pinnately-veined, margin entire, lustrous green above and paler or whitened below.

## deodar cedar



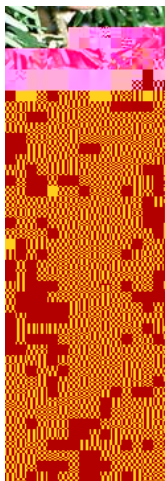
@YUZ. Evergreen needles, dark green but may have some silvery bloom giving them a blue-green color; 1 to 2 inches long, sharp pointed; occur singly on new growth and than later on spur shoots; remaining on the tree for 3 to 6 years.

## eastern cottonwood



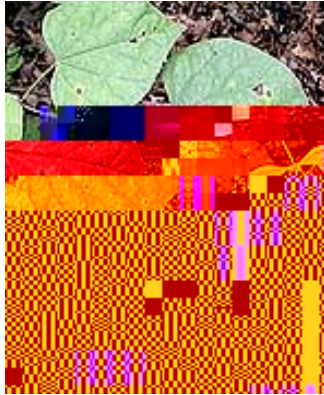
@YUZ. Alternate, simple, pinnately veined, 3 to 6 inches long, triangular (deltoid) in shape with a crenate/serrate margin. The petiole is flattened and glands are present at the top of the petiole.

## eastern hemlock



@YUZ. Evergreen, flat, single needles, 1/2 inch long, tapering to a dull point, primarily two-ranked, shiny dark green above, 2 lines of white stomata below.

## eastern redbud



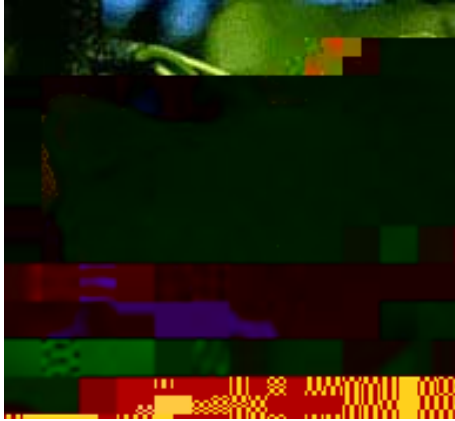
@YUZ. Alternate, simple, cordate in shape, 3 to 5 inches long and wide, with an entire margin, thin and papery, petioles conspicuously swollen on both ends; green above and slightly paler below.

## flowering dogwood



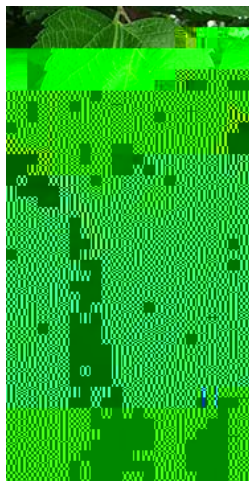
@YUZ. Opposite, simple, 3 to 5 inches long, oval in shape with an entire or slightly wavy margin, arcuately veined, green above and slightly paler below.

## ginkgo



@YUZ. Alternate, simple, fan-shaped, 2 to 3 inches long and wide; parallel, fan-like venation, may be irregularly 2 to 3 lobed at the broad edge or just wavy, petiole long, light green above and below.

## hackberry



@YUZ. Alternate, simple, ovate, 2 to 5 inches long, serrated margin, pinnately veined, with acuminate tip and an inequilateral base, three distinct veins originate from base, maybe hairy or scruffy, green above and paler and somewhat pubescent below.

hawthorn

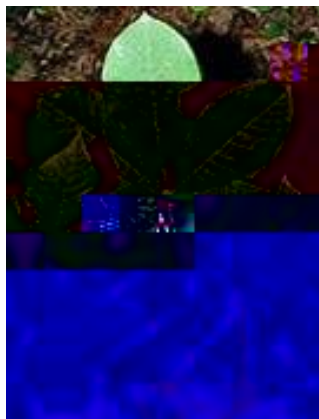


## butternut



@YUZ. Alternate, pinnately compound, 15 to 25 inches long, with 11 to 17 oblong-lanceolate leaflets with serrate margins; rachis is stout and pubescent with a well developed terminal leaflet; green above and paler below.

## mockernut hickory



@YUZ. Alternate, pinnately compound, 9 to 14 inches long, with 7 to 9 serrate, lanceolate to obovate-lanceolate leaflets, rachis is stout and very pubescent, green above and paler below.

# pignut hickory



@YUZ. Alternate, pinnately



## black oak



@YUZ. Alternate, simple, 4 to 10 inches long, obovate or ovate in shape with 5 (mostly) to 7 bristle-tipped lobes; leaf shape is variable, with sun leaves having deep sinuses and shade leaves having very shallow sinuses, lustrous shiny gÓ shiny

## water oak



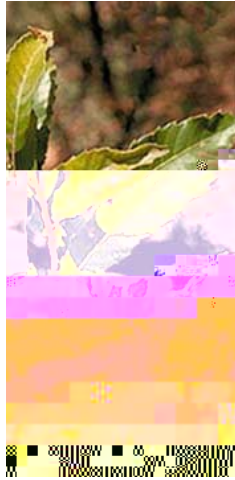
@YUZ. Alternate, simple, 2 to 4 inches long and extremely variable in shape (from spatulate to lanceolate), may be 0 to 5 lobed, margins may be entire or bristle-tipped, both surfaces are glabrous, but axillary tufts may be present below.

## southern red oak



@YUZ. Alternate, simple, 5 to 9 inches long and roughly obovate in outline with bristle tipped lobes. Two forms are common: 3 lobes with shallow sinuses (common on younger trees) or 5 to 7 lobes with deeper sinuses. Often resembles a turkey foot with one very long hooked terminal lobe with two shorter lobes on the sides. Shiny green above, paler and fuzzy below.

## sawtooth oak



@YUZ. Alternate, simple, lanceolate in shape, 3 to 7 inches long, pinnately veined with a very sharply serrate margin bearing bristle-tipped teeth. Strongly resembles a Castanea leaf.

## scarlet oak



@YUZ. Alternate, simple, 3 to 7 inches long, oval in shape with very deep sinuses and bristle-tipped lobes, shiny green above, paler and generally hairless below but may have tufts in vein axils.

## live oak



@YUZ. Alternate, simple, evergreen, leathery, 2 to 5 inches long, oblong or elliptical in shape with an entire or spiny and revolute margin. The upper surface is lustrous, the lower is pale and pubescent. Generally, not bristle-tipped.

## white oak



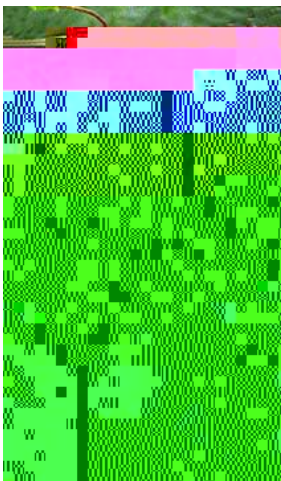
@YUZ. Alternate, simple, oblong to ovate in shape, 4 to 7 inches long; 7 to 10 rounded, finger-like lobes, sinus depth varies from deep to shallow, apex is rounded and the base is wedge-shaped, green to blue-green above and whitish below.

## willow oak



@YUZ. Alternate, simple, 2 to 5 inches long, linear or lanceolate in shape (willow-like) with an entire margin and a bristle tip.

## northern red oak



@YUZ. Alternate, simple, 5 to 8 inches long, oblong in shape with 7 to 11 bristle-tipped lobes, sinuses extend 1/3 to 1/2 of the way to midvein, generally very uniform in shape, dull green to blue-green above and paler below.

## chestnut oak



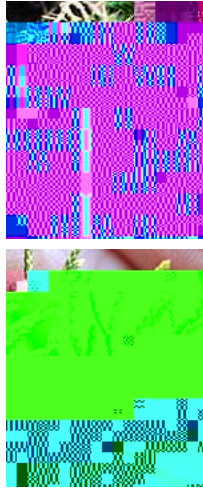
@YUZ. Alternate, simple, 4 to 6 inches long, obovate to elliptical in shape with a crenate margin, shiny green above and paler below.

## overcup oak



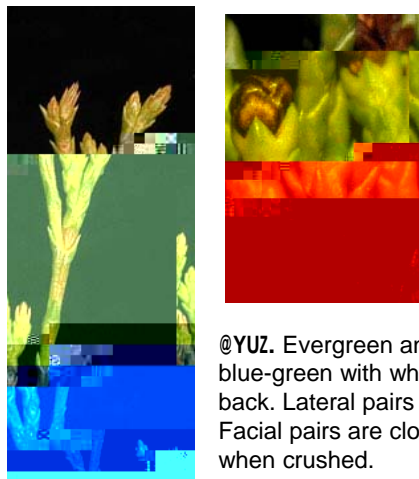
@YUZ. Alternate, simple, 6 to 10 inches long, roughly oblong in shape with a highly variable margin that has 5 to 9 lobes with irregular sinuses. The underside is white and pubescent.

## eastern redcedar



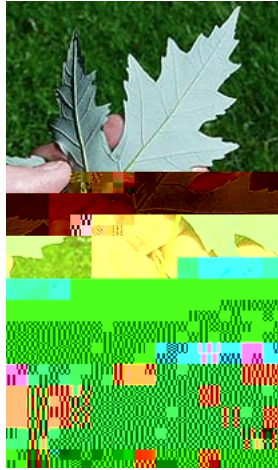
@YUZ. Evergreen, very small, with two types of leaves (often on the same tree), scale-like leaves 1/16 inch long, dark green, with 4 sides held tightly to twig and longer (1/4 inch), dark blue-green needle-like leaves that are more common on young trees and fast growing shoots.

## northern white-cedar



@YUZ. Evergreen and scaly, 1/16 to 1/8 inch long, blue-green with white margins. Glandular on the back. Lateral pairs have pointed, spreading tips. Facial pairs are closely pressed. Very aromatic when crushed.

# silver maple





## red maple



@YUZ. Opposite, simple, 3 to 5 palmate lobes with serrated margin, sinuses relatively shallow (but highly variable), 2 to 4 inches long; green above, whitened and sometimes glaucous or hairy beneath.

## boxelder



@YUZ. Opposite, pinnately compound, 3 to 5 leaflets (sometimes 7), 2 to 4 inches long, margin coarsely serrate or somewhat lobed, shape variable but leaflets often resemble a classic maple leaf, light green above and paler below.

## red mulberry



@YUZ. Alternate, simple, broadly ovate to roughly orbicular, 3 to 5 inches long, serrate margin, highly variable in that they may have no lobes or be highly dissected into lobes; green above with a rough scabrous texture, paler and fuzzy below.

## red spruce



@YUZ.

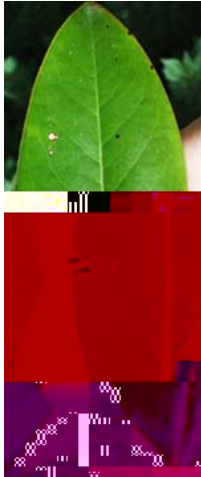
sassafras

MA



@YUZ. Alternate, simple, pinnately veined, ovate to elliptical, entire, 3 to 6 inches long with 1 to 3 lobes; the 2-lobed leaf resembles a mitten, the 3-lobed leaf resembles a trident; green above and below

## southern magnolia



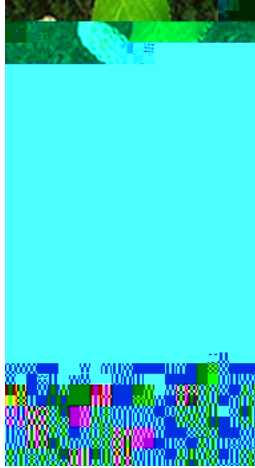
@YUZ. Alternate, simple, evergreen, oval to elliptical, 5 to 8 inches long, pinnately veined, entire margin, very thick almost plastic-like, waxy/shiny dark green above, paler with rusty fuzz below.

## cucumbertree



@YUZ. Alternate, simple, elliptical or ovate, 6 to 10 inches long, pinnately veined, entire margin, acuminate tip, dark green above and paler, whitened below.

## river birch



@YUZ. Alternate, simple, pinnately-veined, rhombic to ovate, 1 1/2 to 3 inches long, conspicuously doubly serrate, with a wedge-shaped base, green above, paler and fuzzy below.

## sweet birch



@YUZ. Alternate, simple, pinnately-veined, ovate, with an acute tip and cordate base, singly or irregularly doubly, sharply serrate margins, 2 to 4 inches long, petiole is stout and pubescent, dark shiny green above, paler below.

## sweetgum



@YUZ. Alternate, simple, palmately veined, orbicular, 4 to 6 inches across with 5 to 7 lobes (look like stars), and a finely serrate margin. Shiny green above and pubescent in the axils of the veins below, fragrant when crushed.

## sycamore



@YUZ. Alternate, simple, palmately veined, 4 to 8 inches wide, ovate in shape, with three to five lobes, margins coarsely toothed, petiole bases encircle and enclose the buds, veins may be pubescent below.



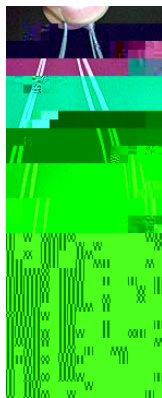
: f i ]h. A spherical multiple of achenes borne on a 3 to 6 inch stalk. Each seed is tiny, winged, and 1/2 inch long; maturing in November, disseminating in late winter.

## Virginia pine



@YUZ. Evergreen needles, 1 1/2 to 3 inches long, with 2 yellow-green, twisted, somewhat divergent needles per fascicle.

## shortleaf pine

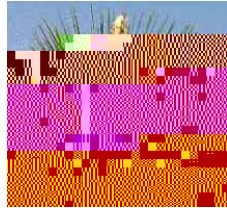


@YUZ. Evergreen needles, 3 to 5 inches long, two or three (on the same branch), slender and flexible needles per fascicle, dark yellow-green in color, fascicle sheath is persistent.



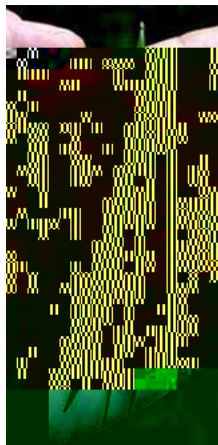


## longleaf pine



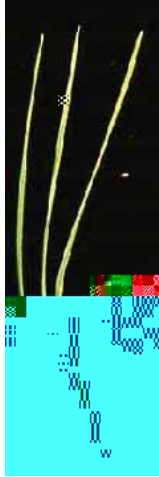
@YUZ. Evergreen needles, very long and feathery (8 to 18 inches long), with three dark green needles per fascicle; tend to be tufted at branch tips.

## eastern white pine



@YUZ. Evergreen needles, 3 to 5 inches long, with five, slender, flexible needles per fascicle; fascicle sheath deciduous, needles appear blue-green because of 3 or more glaucous lines of stomata.

## loblolly pine



@YUZ. Evergreen needles, 6 to 9 inches long, with (usually) three yellow-green needles per fascicle.

## white ash



@YUZ. Opposite, pinnately compound with 7 serrate to entire leaflets that are ovate to somewhat lanceolate, 8 to 12 inches long, essentially hairless, green above and slightly paler below.

# yaupon holly

