Tree Identification for Beginners



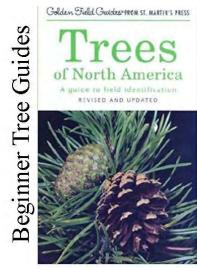
March 23, 2022

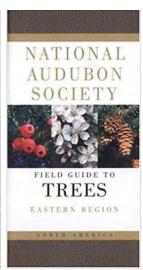
Julie Hart
Director of Education
Dutchess Land Conservancy

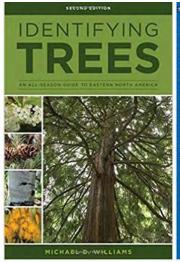


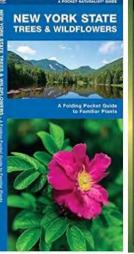


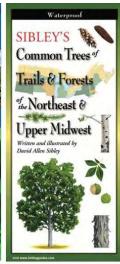
Field Guides

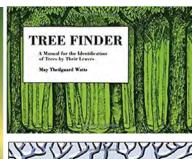






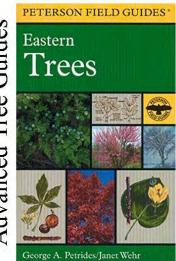


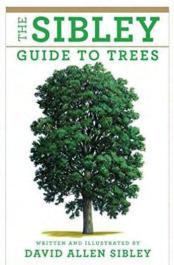












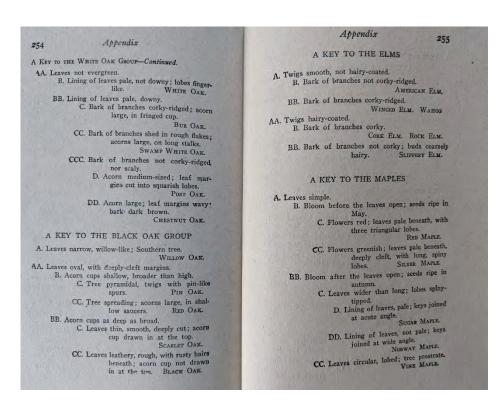


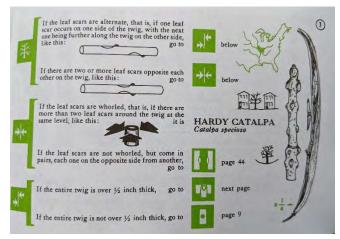


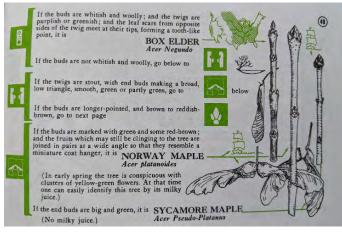


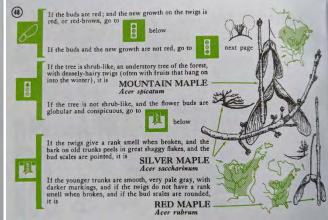


















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3. Leaves with spiny-toothed margins 3a. Leaves with entire margins. (4)	AMERICAN HOLLY (Ilex opaca)	269
4. Leaves 5 or more inches long; large term	EAT LAUREL (Rhododendron maximum)	314 317
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6. Leaves in bundles of 2 to 5		49 69







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3. Leaves with spiny-toothed margins	269
4. Leaves 5 or more inches long; large terminal flower buds usually present	314 317
5. Leaves needle-like. (6) 5a. Leaves other than needle-l.ke. (7)	
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314 317	4a. Leaves 4 inches or less in length MOUNTAIN LAUREL (Kalmia latifolia)
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Northern Red Oak (*Quercus rubra*)



- Eastern White Oak (Quercus alba)
- Large tree, can grow to over 100' tall.
- Acorns
 provide food
 for wildlife.







Northern Red Oak (*Quercus rubra*)

Common and widespread, grows mainly in uplands.



Eastern White Oak (*Quercus alba*)



Common and widespread, grows in rich, moist soils.





Northern Red Oak (*Quercus rubra*)

 Twigs short and stout with clusters of buds at the tips.



Eastern White Oak (*Quercus alba*)

 Twigs greenish to gray, with small, blunt buds growing in clusters at the twig tips.







Northern Red Oak (*Quercus rubra*)

 Acorns 1", have shallow, tightly scaled cups.



Eastern White Oak (*Quercus alba*)

 Acorns ¾'", cup is shallow and stalk is short. Often more slender in shape than red oak acorns.







Northern Red Oak (*Quercus rubra*)

- Young bark greenish grey with narrow, vertical cracks.
- Older tree has smooth, flat, lighter ridges intersecting with rough furrows. (Looks like ski tracks.)









Eastern White Oak (*Quercus alba*)

- Young bark light gray with thin, flaky vertical strips.
- ◆Older bark is light gray with irregular blocks.









American Beech (Fagus grandifolia)

- Grows to 50 70' tall and can grow to over 100' tall.
- Common in welldrained uplands.
- Beechnuts can be an important food source for wildlife.

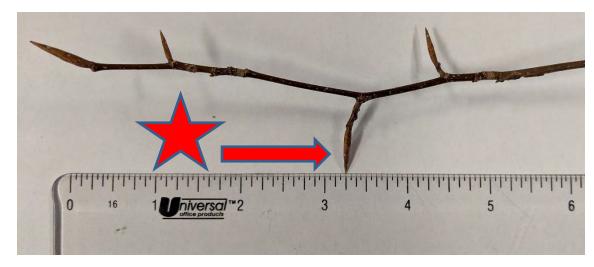






American Beech (Fagus grandifolia)

- Twigs slender and have a zigzag shape with pointed buds.
- Often retains leaves through winter.
- Fruit ¾" and contains
 1-3 small nuts.









American Beech (Fagus grandifolia)

- Bark smooth and light gray in young and old trees.
- Commonly afflicted with beech bark disease, which causes blisters, cankers and cracks to form on bark.





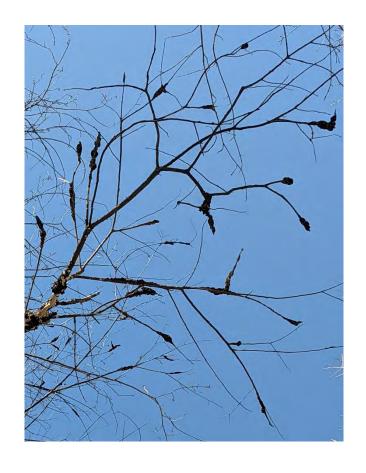




Black Cherry (*Prunus serotina*)

- Grows to about 60' tall.
- Common and widespread in woods and hedgerows.
- Fruit is an important food source for birds.
- Often infected with black knot disease.









Black Cherry (*Prunus serotina*)

- Twigs slender and dark, with small dark buds.
- Fruit is small, less than 1/4" and grow in dangling clusters.









Black Cherry (*Prunus serotina*)

- Young bark is smooth, reddish-brown with gray, horizontal lenticels.
- Older bark breaks into scales that curl outward and look like burned potato chips.









Birch Bark Cheat Sheet

Gray birch

White birch

Black birch

Yellow birch













Gray Birch (Betula populifolia)

- Small, slender tree; often grows with multiple trunks.
- Common pioneer species on disturbed soils.





Paper Birch (White Birch) (Betula papyrifera)

- Slender tree, grows to about 70' tall.
- Common in open woods or at wood edges.





Gray Birch (Betula populifolia)

- Twigs slender and rough, with small buds.
- Male flower usually solitary at twig tips.



Paper Birch (White Birch) (Betula papyrifera)

 Twigs are stout for a birch, with buds relatively large.

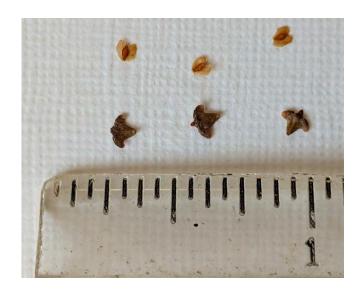






Gray Birch (Betula populifolia)

 Seeds tiny and winged, in cones that persist on the twig into the winter.



Paper Birch (White Birch) (Betula papyrifera)

 Seeds borne in cone-like structures that develop from female catkins.







Gray Birch (Betula populifolia)

- Trunks marked by dark
 chevron at base of branches.
- Young bark reddishbrown with pale lenticels.
- Older bark grayish white, non-peeling.









Paper Birch (White Birch) (Betula papyrifera)

- Young bark reddish brown with pale horizontal lenticels.
- Older bark white and peeling, with thin, dark, horizontal lenticels.
- Outer layers of bark separate from trunk in curly strips.



Becca MacDonald, Sault College, Bugwood.org







Black Birch (Sweet Birch) (Betula lenta)

- Grows to about 60' tall.
- Common in northern hardwood forests.
- Sap has a wintergreen smell and can be used to make birch beer.







Black Birch (Sweet Birch) (Betula lenta)

- Twigs dark gray-brown and glossy, buds hairless and pointed.
- Seeds borne in cone-like structures that develop from female catkins.









Black Birch (Sweet Birch) (Betula lenta)

- Young bark reddish-brown, with light colored horizontal lenticels.
- Older bark dark gray, broken into irregularly shaped plates that curl away from the trunk.









Birch Bark Cheat Sheet

Gray birch

White birch

Black birch

Yellow birch













American Sycamore (*Platanus occidentalis*)

- Large tree, can grow to over 100' tall.
- Common in wet soils such as streambanks and bottomlands.







American Sycamore (*Platanus occidentalis*)

- Twigs are relatively slender, with a zigzag shape. Buds short and stout.
- Fruit contained in ballshaped structure, which can persist on the tree into the winter.



Paul Wray, Iowa State University, Bugwood.org



Rebekah D. Wallace, University of Georgia, Bugwood.org





American Sycamore (*Platanus occidentalis*)

- Young bark green and brown, flakes off to reveal paler green or whitish bark beneath.
- Older bark becomes less scaly, is gray with narrow furrows broken into blocks.
- Topmost branches smooth and whitish.







