



Black Oak

Quercus velutina

LOBED
ALTERNATE



Family: Beech (Fagaceae)

Height: 40–60' (12–18 m)

Tree: medium-sized tree, lower branches are ascending before maturity and horizontal at maturity, upper branches ascending, broad round crown

Leaf: lobed, 4–9" (10–22.5 cm) long, alternately attached, 5–7 lobes, each ending in a pointed tip (bristle-tipped) and separated by deep U-shaped sinuses, shiny green above, yellowish brown below

Bark: shiny dark gray and smooth texture when young, becoming nearly black with deep reddish cracks

Flower: light yellow catkin, 1–3" (2.5–7.5 cm) long, made up of many tiny flowers, 1/4" (3 cm) wide

Fruit: green acorn, turns brown at maturity, 1/2" (2 cm) long, almost as wide as long, thin black vertical lines on hull, cap covers the upper half of nut

Fall Color: orange brown

Origin/Age: native; 175–200 years

Habitat: dry sandy soils, steep slopes, sun

Range: throughout

Stan's Notes: One of approximately 60 oak species in the U.S. Two oak groups, red and white, with the Black Oak a member of the red oak group. Acorns of the red oak group mature in two seasons, while white oak group acorns mature in one season. Has heavy fruit crops only infrequently. Nuts are bitter due to tannic acid (tannin). Bark also contains tannin, which was used in tanning animal skins. New leaves unfurling in spring are crimson before turning silvery, then dark green. Highly susceptible to oak wilt disease.

Trees Of The Carolinas Field Guide

Ying-Ying Zheng



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Crossroads of the Natural World Tom Earnhardt, 2013-04-22 In this richly illustrated love letter to the wild places and natural wonders of North Carolina Tom Earnhardt writer and host of UNC TV's Exploring North Carolina and lifelong conservationist seamlessly ties deep geological time and forgotten species from our distant past to the unparalleled biodiversity of today With varied topography and a climate that is simultaneously subtropical temperate and subarctic he shows that North Carolina is a meeting place for living things more commonly found far to the north and south Highlighting the ways in which the state is a unique ecological crossroads Earnhardt's research insightful writing and stunning photography will both teach and inspire Crossroads of the Natural World invites readers to engage a variety of topics including the impacts of invasive species the importance of forested buffers along our rivers the role of naturalists and the challenges facing the state in a time of climate change and sea level rise By sharing his own journey of more than sixty years Earnhardt entices North Carolinians of every age to explore the natural diversity of our state *Wildlife Management in North Carolina*, 2011

A Field Guide to Eastern Trees George A. Petrides, 1988 **The Woody Plant Seed Manual, Agriculture Handbook 727, July 2008**, 2009 **Native Trees of the Southeast** L. Katherine Kirkman, Claud L. Brown, Donald J. Leopold, 2007-07-15 Native Trees of the Southeast is a practical compact field guide for the identification of the more than 225 trees native to the Southeast Each profile includes photographs illustrating key features descriptions range maps and keys for both summer and winter conditions *Agriculture Handbook*, 2008-07 **Western Tanager**, 1994 **Index Holmiensis: Dicotyledoneae Q,R,S** Hans Tralau, 1969 *The Kids' Guide to Birds of the Carolinas* Stan Tekiela, 2022-11-15 Get the children's field guide to 86 bird species in North Carolina and South Carolina organized by color

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