

KEY TO THE OAKS AND MAPLES OF THE SANTA CATALINA MOUNTAINS, ARIZONA

1. Leaves with alternate arrangement.
  2. Leaves deeply lobed, deciduous....  
(Gambel Oak) Quercus gambelii
  2. Leaves not deeply lobed, evergreen.
    3. Leaf margins entire or with very few teeth near apex.
      4. Leaves 1/2 to 3/4 inch long, closely crowded together....  
(TOUMEY OAK) Quercus toumeyi
      4. Leaves 1 inch or more in length.
        5. Leaves 1 to 2 inches long, blue-green....  
(MEXICAN BLUE OAK) Quercus oblongifolia
        5. Leaves 2 to 4 inches long, densely white-wooly beneath, leaf margins curled under....  
(SILVERLEAF OAK) Quercus hypoleucoides
    3. Leaf margins conspicuously toothed.
      6. Leaves shiny green on both sides; small patches of whitish "fuzz" beneath at blade base on each side of midrib....  
(EMORY OAK) Quercus emoryi
      6. Leaves, green, blue-green or yellow-green on upper side, not shiny on both surfaces; no white "fuzz" at base of midrib.
        7. Leaves green or yellow-green on upper side, yellow beneath.
          8. Leaves yellow-green on upper side, nearly as wide as long....  
(PALMER OAK) Quercus chrysolepis var. palmeri
          8. Leaves dark green on upper side, approximately twice as long as wide; network of raised veins beneath....  
(NETLEAF OAK) Quercus reticulata
        7. Leaves blue-green on upper side.
          9. Leaves wavy-lobed with several teeth near apex; 1 to 3 inches long....  
(ARIZONA WHITE OAK) Quercus arizonica
          9. Leaves with many conspicuous teeth, 1/2 to 1 1/4 inches long....  
(SCRUB OAK) Quercus turbinella

1. Leaves with opposite arrangement.
  10. Plants with all leaves simple, twigs bright red....  
(BIGTOOTH MAPLE) Acer grandidentatum  
var. grandidentatum
  10. Leaves all compound or both simple and compound on same plant.
    11. Leaves all compound; leaflets 3 or 5; twigs greenish....  
(BOXELDER) Acer negundo
    11. Leaves simple and compound on same plant; compound leaves with 3 leaflets; twigs reddish-brown....  
(ROCKY MOUNTAIN MAPLE) Acer glabrum