

# CA Tree Species List and Pest Identification

## California Hardwood Trees

Hardwoods are broadleaf trees, often deciduous (some evergreen in CA).

### Oaks

1. Coast Live Oak (*Quercus agrifolia*)
2. Valley Oak (*Quercus lobata*)
3. Blue Oak (*Quercus douglasii*)
4. Interior Live Oak (*Quercus wislizeni*)
5. California Black Oak (*Quercus kelloggii*)
6. Canyon Live Oak (*Quercus chrysolepis*)
7. California Scrub Oak (*Quercus berberidifolia*)

\*note: Coastal Sage Scrub Oak in S. CA- *Quercus dumosa* (similar species to CA Scrub Oak)

### Other Common Hardwoods

8. California Sycamore (*Platanus racemosa*)
9. Fremont Cottonwood (*Populus fremontii*)
10. Black Cottonwood (*Populus trichocarpa*)
11. White Alder (*Alnus rhombifolia*)
12. Red Alder (*Alnus rubra*)
13. Bigleaf Maple (*Acer macrophyllum*)
14. California Buckeye (*Aesculus californica*)
15. Pacific Madrone (*Arbutus menziesii*)
16. California Laurel/Bay Laurel (*Umbellularia californica*)
17. Western Redbud (*Cercis occidentalis*)
18. California Black Walnut (*Juglans californica*)
19. California Ash (*Fraxinus latifolia*)
20. Tanoak\* (*Notholithocarpus densiflorus*)

## California Softwood Trees

Softwoods are cone-bearing, needle- or scale-leaf trees.

### Pines

21. Ponderosa Pine (*Pinus ponderosa*)
22. Jeffrey Pine (*Pinus jeffreyi*)
23. Sugar Pine (*Pinus lambertiana*)
24. Lodgepole Pine (*Pinus contorta*)
25. Bishop Pine (*Pinus muricata*)
26. Coulter Pine (*Pinus coulteri*)
27. Gray Pine/Foothill Pine (*Pinus sabiniana*)

### Firs, Spruce, & More

28. White Fir (*Abies concolor*)
29. Douglas-fir (*Pseudotsuga menziesii*)  
(Not a true fir, but very common)
30. Sitka Spruce (*Picea sitchensis*)

### Cedars & Cypress

31. Incense Cedar (*Calocedrus decurrens*)
32. Monterey Cypress (*Hesperocyparis macrocarpa*)

### **Redwoods & Sequoias**

33. Coast Redwood (*Sequoia sempervirens*)
34. Giant Sequoia (*Sequoiadendron giganteum*)

### **Other Common Conifers**

35. Western Hemlock (*Tsuga heterophylla*)
36. Western Juniper (*Juniperus occidentalis*)
37. California Juniper (*Juniperus californica*)
38. Torrey Pine (*Pinus torreyana*) – rare & endemic

### **Other small trees/shrubs**

39. Toyon/Christmans berry (*Heteromeles arbutifolia*)
40. Manzanita (*Arctostaphylos spp.*)

### **Suggested Traits for Student Identification**

For field or classroom ID, students should practice observing:

- Leaf type (needle, scale, broadleaf)
- Leaf arrangement (opposite, alternate)
- Cones vs. fruits/acorns
- Bark texture and color
- Habitat and elevation
- Evergreen vs. deciduous
- Angiosperm vs. Gymnosperm

### **California Tree Pests List**

1. (Invasive) Shot hole borers (*Euwallacea sp.*)
2. Mediterranean Oak Borer (*Xyleborus monographus*)
3. Goldspotted Oak Borer (*Agrilus auroguttatus*)
4. Emerald Ash Borer (*Agrilus planipennis*)
5. Sudden Oak Death (*Phytophthora ramorum*)
6. Western Pine Beetle (*Dendroctonus brevicomis*)
7. Fir Engraver Beetle (*Scolytus ventralis*)
8. Bark & Engraver Beetle Complex (Native Ips and *Dendroctonus spp.*)
9. Foamy Bark Canker (*Geosmithia sp.*)
10. Dwarf Mistletoes (*Arceuthobium spp*)