

Species list

1. Alder, Red/Alnus rubra/BetulaceaeDescription : [Alnus rubra](#)

2. Ash/Fraxinus species/OleaceaeDescription : Includes [F. americana](#), [F. pennsylvanica](#), [F. latifolia](#).

3. Ash, Brown or Black/Fraxinus nigra/OleaceaeDescription : [Fraxinus nigra](#)

4. Basswood, Lime/Tilia americana/TiliaceaeDescription : [Tilia americana](#)

5. Beech/Fagus grandifolia/FagaceaeDescription : [Fagus grandifolia](#)

6. Birch/Betula species/BetulaceaeDescription : Includes [B. alleghaniensis](#), [B. lenta](#), [B. papyrifera](#), [B. populifolia](#), [B. nigra](#).

7. Buckeye/Aesculus species/HippocastanaceaeDescription : Includes [A. octandra](#), [A. glabra](#), the former is usually characterized by storied rays and axial elements, whereas the latter generally lacks regular storied features.

8. Butternut/Juglans cinerea/JuglandaceaeDescription : [Juglans cinerea](#)

9. Catalpa, Northern/Catalpa speciosa/BignoniaceaeDescription : Includes [C. bignoniodes](#)

10. Cherry, Black/Prunus serotina/RosaceaeDescription : [Prunus serotina](#)

11. Chestnut, American/Castanea dentata/FagaceaeDescription : [Castanea dentata](#)

12. Elm, Northern, Slippery or Red/Ulmus rubra/UlmaceaeDescription : [Ulmus rubra](#)

13. Hackberry/Celtis occidentalis/UlmaceaeDescription : [Celtis occidentalis](#)

14. Hickories, Pecan (Apocarya)/Carya illinoensis/JuglandaceaeDescription : Includes [C. cordiformis](#), [C. myristicaformis](#), [C. aquatica](#)

15. Hickories, True (Eucarya)/Carya species/JuglandaceaeDescription : Includes [C. ovata](#), [C. laciniosa](#), [C. tomentosa](#), [C. ovalis](#), [C. glabra](#)

16. Holly/Ilex opaca/AquifoliaceaeDescription : [Ilex opaca](#)

17. Hophornbeam/Ostrya virginiana/BetulaceaeDescription : [Ostrya virginiana](#)

18. Hornbeam, American; Blue Beech/Carpinus caroliniana/BetulaceaeDescription : [Carpinus caroliniana](#)

19. Locust, Black/Robinia pseudoacacia/Fabaceae

Description : Can be confused with Maclura pomifera wood. Yellow color of Robinia wood is only slightly soluble in warm water. Positive identification of Robinia pseudoacacia is insured by the presence of vested intervessel pits.

20. Magnolia/Magnolia species/Magnoliaceae

Description : Includes M. acuminata and M. gradiflora. Can be confused with Liriodendron wood. Magnolia may have spiral thickenings, whereas Liriodendron never exhibits this feature. Magnolia intervessel pits are predominantly linear and are 12-50 microns in diameter. M. acuminata has simple perforation plates, M. gradiflora has mostly scalariform perforation plates.

21. Maple, Hard Species/Acer hard maple species/Aceraceae

Description : Includes A. saccharum, A. nigrum.

22. Maple, Soft Species/Acer soft maple species/Aceraceae

Description : Includes A. rubrum, A. saccharinum.

23. Mulberry, Red/Morus rubra/Moraceae

Description : Morus rubra

24. Oak, Red Species/Quercus red oak species/Fagaceae

Description : Includes Q. rubra, Q. velutina, Q. shumardii, Q. falcata, Q. coccinea, Q. palustris, Q. imbricaria, Q. phellos. Red oaks have thick-walled circular vessel elements when viewed in cross section.

25. Oak, White Species/Quercus white oak species/Fagaceae

Description : Includes Q. alba, Q. macrocarpa, Q. lyrata, Q. sellata, Q. michauxii, Q. prinus, Q. bicolor. White oaks have thin walled angular vessel elements as viewed in cross section.

26. Osage-orange/Maclura pomifera/Moraceae

Description : Immersion in warm water will extract coloring material from wood giving water a yellowish hue.

27. Persimmon/Diospyros virginiana/Ebenaceae

Description : Diospyros virginiana

28. Poplar; Cottonwood/Populus species/Salicaceae

Description : Includes P. tremuloides, P. grandidentata (Aspen) and P. deltoides, P. balsamifera, P. trichocarpa, P. heterophylla (Cottonwood/Poplar)

29. Sassafras/Sassafras albidum/Lauraceae

Description : Can be confused with Fraxinus nigra. Presence of oil cells in rays which give it a distinct odor and the presence of aliform axial parenchyma in summer wood are distinguishing characteristics of Sassafras.

30. Sweetgum; Red gum/Liquidambar styraciflua/Hamamelidaceae

Description : Liquidambar styraciflua

31. Sycamore, American/Platanus occidentalis/Platanaceae

Description : Platanus occidentalis

32. Tree-of-heaven/Ailanthus altissima/Simaroubaceae

Description : Ailanthus altissima

33. Tulip Tree; Yellow Poplar/Liriodendron tulipifera/Magnoliaceae

Description : Can be confused with Magnolia wood. Liriodendron never has spiral thickenings, whereas this feature may be present in Magnolia. Liriodendron intervessel pits are oval or oval-angular, 6-12 microns in diameter; or sometimes linear being up to 20 microns in diameter; and always oppositely arranged.

34. Tupelo/Nyssa species/Cornaceae

Description : Includes *N. sylvatica*, *N. aquatica*.

35. Walnut, Black/Juglans nigra/Juglandaceae

Description : *Juglans nigra*

36. Willow, Black/Salix nigra/Salicaceae

Description : *Salix nigra*
