

Species list

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

Description : Includes *A. saccharum*, *A. nigrum*.

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

Description : Includes *A. rubrum*, *A. saccharinum*.

3. Aesculus species/Hippocastanaceae/Buckeye

Description : Includes *A. octandra*, *A. glabra*, the former is usually characterized by storied rays and axial elements, whereas the latter generally lacks regular storied features.

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

Description : *Ailanthus altissima*

5. Alnus rubra/Betulaceae/Alder, Red

Description : *Alnus rubra*

6. Betula species/Betulaceae/Birch

Description : Includes *B. alleghaniensis*, *B. lenta*, *B. papyrifera*, *B. populifolia*, *B. nigra*.

7. Carpinus caroliniana/Betulaceae/Hornbeam, American; Blue Beech

Description : *Carpinus caroliniana*

8. Carya illinoensis/Juglandaceae/Hickories, Pecan (Apocarya)

Description : Includes *C. cordiformis*, *C. myristicaformis*, *C. aquatica*

9. Carya species/Juglandaceae/Hickories, True (Eucarya)

Description : Includes *C. ovata*, *C. laciniosa*, *C. tomentosa*, *C. ovalis*, *C. glabra*

10. Castanea dentata/Fagaceae/Chestnut, American

Description : *Castanea dentata*

11. Catalpa speciosa/Bignoniaceae/Catalpa, Northern

Description : Includes *C. bignoniodes*

12. Celtis occidentalis/Ulmaceae/Hackberry

Description : *Celtis occidentalis*

13. Diospyros virginiana/Ebonaceae/Persimmon

Description : *Diospyros virginiana*

14. Fagus grandifolia/Fagaceae/Beech

Description : *Fagus grandifolia*

15. Fraxinus nigra/Oleaceae/Ash, Brown or Black

Description : *Fraxinus nigra*

16. Fraxinus species/Oleaceae/Ash

Description : Includes *F. americana*, *F. pennsylvanica*, *F. latifolia*.

17. Ilex opaca/Aquifoliaceae/Holly

Description : *Ilex opaca*

18. Juglans cinerea/Juglandaceae/Butternut

Description : *Juglans cinerea*

19. Juglans nigra/Juglandaceae/Walnut, Black

Description : *Juglans nigra*

20. Liquidambar styraciflua/Hamamelidaceae/Sweetgum; Red gum

Description : *Liquidambar styraciflua*

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

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.

22. Maclura pomifera/Moraceae/Osage-orange

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

23. Magnolia species/Magnoliaceae/Magnolia

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 predominately linear and are 12-50 microns in diameter. *M. acuminata* has simple perforation plates, *M. gradiflora* has mostly scalariform perforation plates.

24. Morus rubra/Moraceae/Mulberry, Red

Description : *Morus rubra*

25. Nyssa species/Cornaceae/Tupelo

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

26. Ostrya virginiana/Betulaceae/Hophornbeam

Description : *Ostrya virginiana*

27. Platanus occidentalis/Platanaceae/Sycamore, American

Description : *Platanus occidentalis*

28. Populus species/Salicaceae/Poplar; Cottonwood

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

29. Prunus serotina/Rosaceae/Cherry, Black

Description : *Prunus serotina*

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

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.

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

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.

32. Robinia pseudoacacia/Fabaceae/Locust, Black

Description : Can be confused with *Maclura pomifera* wood. Yellow color of Robinia wood is only slightly soluble in warm water.

Positive identification of Robinia psuedoacacia is insured by the presence of vestured intervessel pits.

33. Salix nigra/Salicaceae/Willow, Black

Description : Salix nigra

34. Sassafras albidum/Lauraceae/Sassafras

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.

35. Tilia americana/Tiliaceae/Basswood, Lime

Description : Tilia americana

36. Ulmus rubra/Ulmaceae/Elm, Northern, Slippery or Red

Description : Ulmus rubra
