Robert Pace Dendrology 2010

Pinaceae *Pinus* (sorted by needles/fascicle & needle length)

Two Needles Per Fascicle

- P. sylvestris (scotch pine) (2) around 1 to 2 inches long
- P. pungens (tabletop pine) (2) rigid, and around 1.5 to 2.5 inches long
- P. virginiana (virginia/scrub pine) (2) twisty, and around 1 to 3 inches long
- P. nigra (Austrian pine) (2) around 3 to 8 inches long

Two to Three Needles Per Fascicle

- P. echinata (short leaf pine) (2-3) around 3 to 5 inches long
- P. ponderosa (ponderosa pine) (2-3) around 5 to 10 inches long
- P. elliottii (slash pine) (2-3) around 7 to 11 inches long

Three Needles Per Fascicle

- P. rigida (pitch pine) (3) around 2.5 to 5.5 inches long (epicormic growth)
- P. taeda (loblolly pine) (3) twisty and around 5 to 9 inches long
- P. palustris (longleaf pine) (3) around 9 to 18 inches long

Five Needles Per Fascicle

- P. flexilis (limber pine) (5) around 2.5 to 3.5 inches long
- P. strobus (eastern white pine) (5) around 2.5 to 5 inches long