

LIST OF CONIFEROUS HOST TREES.

Balsam, Eastern (see Fir, Balsam).
 Balsam, Mountain (see Fir, Alpine).
 Balsam, Lowland (see Fir, Grand).

†Cedar, Incense. *Libocedrus decurrens* Torrey.

†Cedar, Port Orford (Lawson's Cypress). *Chamaecyparis Lawsoniana* (Murr) (Parlatore).

Cedar, Western Red (Red Cedar). *Thuja plicata* Don.

Fir, Douglas (Douglas Spruce). *Pseudotsuga taxifolia* (Poir) Britt. (*P. mucronata* (Raz.) Sudworth).

Fir, Balsam (Eastern Balsam). *Abies balsamea* (Linn.) Miller.

Fir, Alpine (Mountain Balsam, White Fir, Balsam Fir). *Abies lasiocarpa* (Hook) Nuttall.

Fir, Grand (Lowland Balsam, White Fir). *Abies grandis* Lindley.

Hackmatack (see Larch).

Hemlock, Mountain (Black Hemlock). *Tsuga mertensiana* (Bong) Sargent.

Hemlock, Western. *Tsuga heterophylla* (Raf.) Sargent.

Hemlock, Eastern. *Tsuga canadensis* Engelm.

Larch, Eastern (Tamarack, Hackmatack). *Larix americana* Michx.

Larch, Western. *Larix occidentalis* Nuttall.

Pine, White. *Pinus strobus* L.

Pine, Western White (Silver Pine). *Pinus monticola* Dougl.

†Pine, Sugar. *Pinus lambertiana* Dougl.

Pine, Western Yellow (Bull Pine). *Pinus ponderosa* Lawson.

†Pine, Jeffrey. *Pinus jeffreyi* "Oreg. com."

Pine, Lodgepole (Shore Pine, Black Pine, Jack Pine). *Pinus contorta* Loudon, (*Murrayana*).

†Pine, Monterey. *Pinus radiata* Don.

Pine, Red (Norway Pine). *Pinus resinosa* Ait.

Pine, Jack (Labrador Pine, Gray Pine). *Pinus banksiana* Lamb. (*Pinus divaricata* D. Mont.)

†Pine, Scrub (Jersey Pine). *Pinus virginiana* Mill. (*Pinus inops* Ait.)

†Pine, Southern Yellow. *Pinus taeda* Linn.

Spruce, Sitka (Tideland Spruce). *Picea sitchensis* (Bong.) Trautvetter and Mayer.

†Spruce, Big Cone. *Pseudotsuga macrocarpa* (Torr.) Mayer.

Spruce, Engelmann's. *Picea engelmanni* Engelm.

Spruce, Red. *Picea rubens* Sarg.

Spruce, White. *Picea canadensis* (Mill) B., S., and P.

Spruce, Black. *Picea mariana* (Mill) B., S., and P.

Tamarack (see Larch).

GLOSSARY.

Abraded: rubbed, denuded of vestiture.

Aciculate: applied to surface bearing minute subparallel scratches as though made with a needle point.

Acuminate: tapering to an acute point.

Alutaceous: of colour, pale brown; covered with minute cracks.

Anastomosing: running together, applied to surface markings in colour, or minute ridges, and to tunnels.

Annulate: ringed; of a club, sutured.

Apex: the arcuate or narrowed portion of a segment or sclerite opposite the basal attachment; of the elytra, the caudal portion; of the pronotum, the cephalic portion; of the antennal club, the distal portion; the portion of an appendage farthest from the body, the distal part.

Appendage: a part attached by a joint to the body or to a larger appendage; e.g., antennae, legs and wings.

Approximate: placed close together.

Armature: the chitinous teeth, processes, or coarse roughenings.

Asperate: with the surface finely or moderately roughened with acute or subacute elevations.

Asperities: small or moderate surface roughenings, particularly when acute; from coarse granules to rather prominent elevations; especially the lunular elevations of the anterior half of the pronotum in the *Ipinæ*.

†In United States.