



# Virginia Tech Dendrology

**eastern hemlock** *Pinaceae Tsuga canadensis* (L.) Carrière   symbol: **TSCA**

**Leaf:** Evergreen, flat, single needles, 1/2 inch long, tapering to a dull point, primarily two-ranked, shiny dark green above, 2 lines of white stomata below.

**Flower:** Species is monoecious; males yellow, small, round; females light green at branch tips.

**Fruit:** Ovoid light brown cone, 3/4 inch long with rounded, entire scales, maturing in early fall.

**Twig:** Slender, gray-brown in color; buds are very small.

**Bark:** Initially gray-brown and smooth then turning scaly; older trees are red-brown with wide ridges and furrows; when cut or broken, purple streaks are obvious.

**Form:** A medium sized tree with a dense, conical crown, fine branches and a drooping terminal shoot reaching up to 80 feet tall, typically a poor natural pruner.

**Looks like:** [Carolina hemlock](#) - [western hemlock](#) - [mountain hemlock](#) - [English yew](#)



**Additional Range Information:** *Tsuga canadensis* is native to North America. Range may be expanded by planting. See the full-size PDF map.

**More Information:** [Wood](#) - [Landowner Factsheet](#)

**External Links:** [USDAFS Silvics of North America](#) - [USDAFS FEIS Silvics](#) - [USDA Plants Database](#) - [Horticulture Information](#) - [USDAFS Forest Products Lab](#)

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