



Species: *Tsuga canadensis*

(tsu'gah kan-a-den'sis)

Canadian Hemlock, Eastern Hemlock

Cultivar Information

Many cultivars exist for this native species. Select has focused on size, variegation, and weeping character. Below is a selection of cultivars that are representative of the varieties this species has to offer.

* See specific cultivar notes on next page.

Ornamental Characteristics

Size: Tree > 30 feet

Height: 40' - 70'

Leaves: Evergreen

Shape: pyramidal; pendulous with age

Ornamental Other:

Environmental Characteristics

Light: Full sun, Part shade, Shade

Hardy To Zone: 3a

Soil Ph: Can tolerate acid to alkaline soil (pH 5.0 to 8.0)

Environmental Other: Best growth in light shade; will tolerate full sun or full shade. Not wind or drought tolerant. Somewhat tolerant of calcareous soils

Insect Disease

Hemlock woolly adelgid in many parts of the Eastern US kills trees within three or four years if left uncontrolled.

Bare Root Transplanting

Difficult

Other

native to eastern North America; transplant B & B in spring or fall

Cultivars for *Tsuga canadensis*Showing **1-21** of **21** items.

| Cultivar Name | Notes |
|--------------------|--|
| Sargentii | 'Sargentii' (a.k.a. var. sargentii, f. pendula, 'Pendula') - semi-dwarf, broadly weeping form; grows to 15' tall and twice as wide; the preferred weeping form of <i>T. canadensis</i> |
| Albospica | 'Albospica' - compact form; bright white new growth; benefits from light shade |
| Gentsch White | 'Gentsch White' similar to 'Albospica'; rounded compact form; silvery branch tips; grows to 4' tall and wide |
| Aurea Compacta | 'Aurea Compacta' (a.k.a. 'Everitt's Golden') - stiffly upright form; bright gold foliage |
| Golden Splendor | 'Golden Splendor' - upright-growing form; golden foliage; fast growing |
| Cole's Prostrate | 'Cole's Prostrate' - prostrate, creeping, spreading form; appreciates light shade |
| Curly | 'Curly' - congested branches bearing needles which curl around the stems. |
| Horsford Contorted | 'Horsford Contorted' (a.k.a. 'Pig Tails') - branches are coiled and twisted; forms a small tree at maturity |
| Jeddeloh | 'Jeddeloh' - dwarf mounding form; tends to have a depression in its center giving it the name "Bird's Nest Hemlock" |
| Minuta | 'Minuta' - micro-miniature, dwarf bun form; dark green needles; only increase at the rate of .25"-.5" per year |
| Pygmaea | 'Pygmaea' - micro-miniature, dwarf bun form; dark green needles; only increase at the rate of .25"-.5" per year |
| Watnong Star | 'Watnong Star' - rounded compact form; foliage that is frosted with white, especially on new growth |
| Abbott's Pygmy | 'Abbott's Pygmy' - miniature, globe form; green needles; appreciates protection from afternoon sun |
| Ashfield Weeper | 'Ashfield Weeper' - weeping form; long, arching branches of this erect, irregularly-shaped form have pendulous branchlets; dark-green needles are bigger than those of the species |

| Cultivar Name | Notes |
|-----------------|---|
| Bacon Cristate | 'Bacon Cristate' - extremely dwarf, cristate, broad upright form; similar to, but smaller and darker than 'Jervis'; ultra-dense, short, dark green, twisted needles with white striations on the reverse; gnarly, irregular habit |
| Betty Rose | 'Betty Rose' - miniature, irregular globe shaped mounding form; extremely slow-growing ; white-tipped foliage that takes on a blush of light pink in spring |
| Dawsoniana | 'Dawsoniana' - broad upright form; tufts of short, bright-green needles give the arching shoots dense look; multi-stemmed; grows slowly; full, bushy form |
| Forest Fountain | 'Forest Fountain' (a.k.a. 'Dwarf Upright') - pyramidal, broad, upright, sculptural tree form; deep-green foliage; branches arch upward |
| Gentsch White | 'Gentsch White' - globe-shaped, intermediate form; variegated with creamy-white branch tips; annual shearing will maintain a compact habit and encourage new, white growth |
| Hornbeck | 'Hornbeck' - miniature, tight, irregularly mounding, globe-shaped form; tiny, flat needles; bigger than 'Abbott's Pygmy' and smaller than 'Jervis'; grows slowly |
| Horsford | 'Horsford' - miniature, globe shaped form; dense, irregular growth habit |

Photos



Tsuga canadensis - Bark



Tsuga canadensis - Cones



Ethan M. Dropkin

Tsuga canadensis - Habit



Tsuga canadensis - Cones, Leaves



Tsuga canadensis - Habit



Tsuga canadensis - Habit



Tsuga canadensis - Leaves



Tsuga canadensis - Habit



Tsuga canadensis - Bark