



Tsuga canadensis



Height	15 - 20 (30) m
Width	7-10m
Crown	broad pyramidal, half-open crown
Bark and branches	smooth orange-brown bark, later brownish black and grooved
Leaf	needles, glossy green, greyish white underneath, 0.5 - 1.8 cm, evergreen
Flowers	unremarkable, yellow, flowers approx. 0.4 cm large
Fruits	hanging, ovoid cones, about 1.7 - 2.8 cm
Spines/thorns	None
Toxicity	usually not toxic to people, (large) pets and livestock
Soil type	moisture-retentive and slightly acidic
Paving	tolerates no paving
Winter hardiness zone	4 (-34,4 to -28,9 °C)
Wind resistance	bad
Other resistances	resistant to frost (WH 1 - 6)
Application	industrial areas
Shape	clearstem tree, clearstem conifer, specimen conifer, hedge plant
Origin	eastern North America

Tree with a nicely vertical main trunk, a height of 15 - 20 m and width of 6 - 8 m. It can reach up to 30 m high in its natural habitat. The branches are perfectly straight on the trunk and the ends hang down. The bark is first smooth and brown, later blackish brown with deep grooves. Young twigs are yellow and hairy like a brush. The needles taper to a point and have a fine, serrated edge. They are approx. 2.5 cm long and 0.15 cm broad. They are glossy green on top, and have 2 light greyish-white stoma stripes underneath. These are highly visible because some needles are twisted, a key difference from *T. heterophylla*. The needles also often rest on the twig and the needles are a lighter green than those of *T. heterophylla*. The short-stemmed hanging cones are similar to those of *Larix*. The needles turn yellow if the soil is calcareous. Tolerates pruning and can be used as a hedge plant.