

# White Spruce



White spruce grows in a variety of soils but is often found growing in well-drained but moist, silty soils. It has high shade tolerance and benefits from some shelter in the early establishment years. White spruce will survive while exposed to short periods of low moisture, but will not perform well on dry sites. It has high shade tolerance and can tolerate completely shaded conditions.

May reach the height of 65 to 80 ft, with a spread up to 20 ft.. The tree has a moderate growth rate.

White spruce is a very long lived tree, 50 to 100 years. It can grow from 12 to 24 in. a year till maturity.

It is most commonly used in multi-row shelterbelts as an inside row. Recommended spacing is 6 to 13 ft. between trees in a row and 16 to 26 ft. away from adjacent rows. Since spruce cannot compete with poplars and willows, space must be provided between rows.