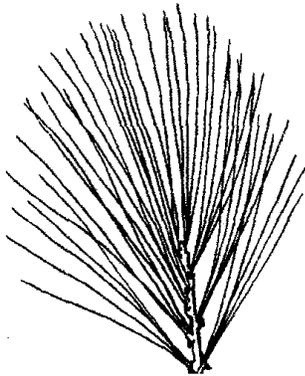


Eastern White Pine



GENERAL DESCRIPTION: Perhaps the most distinguished pine for general landscape use, particularly in the larger landscape. When young it has a strong and dense symmetrical, pyramidal habit without being overbearing like the Scotch Pine or the Colorado Spruce. As it ages it stretches out with the lower branches becoming spreading and horizontal with the upper branches having a more ascending orientation. The real strength of this tree are the 5 needled fascicles of thin, flexible needles that give the tree an overall soft and plummy look. There are pendulous and slow growing cultivars that can be used in the small garden. The bark on mature trees develops large resinous plates separated by deep fissures.

HABIT AND SIZE: 20-80' high and about half as wide (can grow to more than 150') with asymmetrical, pyramidal, soft and pleasant appearance. As it matures the crown is composed of horizontal lower branches and more vertical upper branches. Plume like in overall look.

LANDSCAPE VALUE: Very good for the larger landscape as a specimen tree, in a grouping or pruned to act as a hedge. The fine needles give this tree a look like no other conifer.

LEAVES: In fascicles of- soft and slender, 0.5" long, minutely serrulate, soft bluish-green with white stomatic lines on the inner 2 surfaces and the sheaths are deciduous.

FLOWERS: Staminate flowers axillary, clustered at the base of young shoots, catkin-like, yellow, composed of numerous spirally arranged 2-loculed anthers with connectives enlarged and scale-like at apex. Pistillate flowers lateral or subterminal, pinkish, of numerous spirally arranged scales in the axils of small bracts, each bearing 2 ovules inside.

FRUIT: Cones cylindrical, slender and often curved, 3-8" long, on stalks 0.5-1.0" long, dehiscent with scales that are thin and flat each with a terminal umbo. The seeds are brown mottled with black 0.25" long with a wing about 1" long.

BUD: Cylindrical or conical, sharp-pointed, 0.25-0.75" long, scales appressed but free at the tips, usually resinous.

DISEASES AND INSECTS: White pine blister rust and aphids and pine spittle bugs.

HARDINESS AND RANGE: ZONES 3-8. Newfoundland to Georgia west to Iowa.

CULTIVARS: 'Fastigiata'- an upright form, 'Pendula'- a nice weeping form.