



White Spruce - Grows best on medium to heavy soils, tolerant of shade but likes full sun.

Leaf: Evergreen needles, stiff, 1/3 to 3/4 inch long, square in cross section, needle tips are pointed but not sharp, when crushed a pungent odor is apparent (some say similar to cat urine), green to gray-green. Each needle borne on a raised, woody peg (sterigma).

Flower: Species is monoecious; males emerge reddish but turn yellow when shedding pollen; females purple.

Fruit: Cones are 1 1/2 to 2 1/2 inches long, cigar shaped, light brown in color, scales are rounded with entire margins, mature in late summer.

Twig: Slender, light brown or pale, sometimes glaucous, hairless. Needles borne on woody pegs.

Bark: Thin, gray-brown in color, smooth, later flaky or scaly.

Form: Conical, medium sized trees reaching up to 90 feet tall.