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Spruce



Common Name	'Black Hills' Spruce	Black Spruce	'Colorado Blue' Spruce	'Meyer' Spruce	Norway Spruce	Serbian Spruce	White Spruce
Species	<i>Picea glauca</i> var. <i>densata</i>	<i>Picea mariana</i>	<i>Picea pungens</i>	<i>Picea meyeri</i>	<i>Picea abies</i>	<i>Picea omorika</i>	<i>Picea glauca</i>
Growth Rate	6-12" per year	6-12" per year	1-2' per year	8-10" per year	2-3' per year	2-3' per year	1-2' per year
Mature Size	H 40-60', W 15-25'	H 40-50', W 20-30'	H 50-75', W 15-20'	H 30-40', W 15-20'	H 40-60', W 30-40'	H 50-60', 20-25'	H 30-40', W 15-20'
Shape	Dense, symmetrical, pyramidal	Narrow, irregular, with drooping lower branches	Pyramidal, dense, with stiff branches	Dense, pyramidal	Broad, pyramidal, with drooping branches	Narrow, pyramidal, with upswept branches	Narrow, pyramidal, with straight branches
Needles	Dark Green, 1/2 - 3/4", stiff	Bluish-green, short, 1/4 - 1/2", stiff	Blue to silver-blue, sharp, 1 - 1 1/2"	Blue green to steely blue, 3/4 - 1 1/2"	Dark green, sharp, 1/2 - 1", flexible	Glossy, dark green, 1/2 - 1"	Blue green, 1/2 - 3/4", stiff
Cones	Small, 1-2", light brown	Small, egg shaped, 1", persist for years	Light brown, 2-4", papery	Pendulous, 2-3"	Large, cylindrical, 4-6"	Cylindrical, pendulous, 3-6" long	Smaller, 1-2", more rounded
Soil Type	Well-drained loamy, sandy, and clay soils	Wet to moist acidic soils, tolerates poor drainage	Dry to moist loamy, sandy, and clay soils	Well drained, Loamy	Dry to average clay, loamy and sandy soils	Moist, well-drained	Dry to average clay, loamy and sandy soils
Sunlight	Full Sun	Full Sun - Partial Sun	Full Sun	Full Sun	Full Sun - Partial Sun	Full Sun - Partial Sun	Full Sun - Partial Sun
USDA Zone	Zones 2-8	Zones 2-6	Zones 2-7	Zones 3-7	Zones 2-7	Zones 4-7	Zones 2-6
Wind Resistance	High	High	High	High	High	Moderate	Moderate
Adaptability	Hardy and drought-tolerant once established	Tolerates wet, boggy sites and poor soil	Drought-tolerant once established; prefers well-drained soils	Drought tolerant once established; does not like wet; a good sub for Colorado Blue spruce	Less drought-tolerant; prefers consistent moisture	Moderately drought -tolerant	Drought-tolerant once established
Wildlife Value	Provides cover, nesting sites and food for birds and small mammals	Provides cover, nesting sites and food for birds and small mammals	Provides cover, nesting sites and food for birds and small mammals	Provides shelter and nesting sites for birds and small mammals	Provides shelter and nesting sites for birds and small mammals	Provides shelter and nesting sites for birds and small mammals	Provides shelter and nesting sites for birds and small mammals
Uses	Windbreaks, shelterbelts, ornamental plantings	Windbreaks, shelterbelts, ornamental plantings	Ornamental plantings, windbreaks and timber	Accent, windbreak, substitute for Blue Spruce	Ornamental plantings, windbreaks and timber	Ornamental plantings, mass plantings, privacy screen	Windbreaks, reforestation