

Plant Species and Their Preferred Growing Conditions

Species	Soil	Drainage	Sun	Mature Height	Planting Location	Fruits & Flowers
Deciduous trees						
Red oak <i>Quercus rubra</i>	sand/loam	well to moderate	FS to PSh	up to 24 m	shallow upland sites	acorns
Black walnut <i>Juglans nigra</i>	deep, rich loam	well drained	FS to PSh	up to 30 m	deep, well-drained soils	nuts
White birch <i>Betula papyrifera</i>	variable	moist to dry	FS	24 m	variable	catkins
Sugar maple <i>Acer saccharum</i>	sand/loam	well to moderate	FS	30 m	upland sites	small flowers in tassels, fruit is winged keys
Coniferous trees						
White pine <i>Pinus strobus</i>	sand/loam/clay	moist to dry	FS	up to 30 m	upland sites, occasionally lowland	cones
Red pine <i>Pinus resinosa</i>	sand/loam	well to moderate	FS	up to 24 m	upland sites	cones
White spruce <i>Picea glauca</i>	clay/sand/loam	well to moderate	FS	up to 24 m	upland sites	cones
White cedar <i>Thuja occidentalis</i>	sand/loam/clay	poor	FS to PSh	up to 15 m	upland or lowland sites	cones
Tamarack <i>Larix laricina</i>	organic soils	poor	FS to PSh	up to 21 m	wet organic lowlands to moist sandy upland sites	cones
Hemlock <i>Tsuga canadensis</i>	clay to rocky	moist to dry	FS to PSh	up to 21 m	upland sites	cones
Shrubs						
Staghorn sumac <i>Rhus typhina</i>	sand/loam	dry	FS	up to 6 m	open fields, edges of woods, rocky ridges	tiny greenish flowers in stalks turning reddish
Highbush cranberry <i>Viburnum trilobum</i>	sand/loam/clay	moist to dry	FS to PSh	3 to 4 m	cool open woods, along streams, around swamps	white flowers in clusters, red fruits in fall
Red-osier dogwood <i>Cornus stolonifera</i>	sand/loam/clay	dry to moist	FS to PSh	3 m	open woodlands, streams and bordering swamps	small white flowers, white berries

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Pagoda dogwood <i>Cornus alternifolia</i>	all soils	all moisture regimes	FS to PSh	up to 6 m	open forests, hillsides	small white flowers, dark blue berries in clusters
Nannyberry <i>Viburnum lentago</i>	organic soils	wet to moist	FS	up to 6 m	forest edges, swamps, roadsides	white flowers, dark blue berries in clusters
Sweet gale <i>Myrica gale</i>	loam, humus enriched	moist, wet	FS to PSh	0.6 - 1.5 m	marshes, lakeshores, streambanks	yellow, green/brown
Chokeberry <i>Aronia melanocarpa</i>	organic soils	wet to moist	FS to PSh	up to 2.5 m	forest edges, swamps, roadsides, lakeshores	white flowers, dark blue berries in clusters
Steeplebush <i>Spirea tomentosa</i>	organic soils	wet to moist	FS	1 m	pond edges, swamps, damp fields	pink flowers
Swamp rose <i>Rosa palustris</i>	organic soils	wet to moist	FS	2 m	swamps, shorelines	pink flowers
Serviceberry <i>Amelanchier sp.</i>	sand/loam/rocky	dry to moist	FS to PSh	1 to 4 m	open fields, edges of woods, thickets	small white flowers, berry-like fruit
Groundcovers						
Bear berry <i>Arctostaphylos uva-ursi</i>	sand, loam	dry, normal, moist	FS to FSh	5 - 15 cm	forest, woodland, lakeshores	white/pink flowers, red berries
Bunchberry <i>Cornus canadensis</i>	clay, sand, loam	moist to dry	FS to PSh	10 - 20 cm	forest, woodland, swamps	white/yellow flowers, red berries
Barren strawberry <i>Waldsteinia fragarioides</i>	sand/clay	dry to moist	FS	20 cm	upland sites with pine or intolerant hardwoods	yellow flowers, small hard fruits
Flowering Plants						
Wild columbine <i>Aquilegia canadensis</i>	rocky	dry	FS	20-70 cm	dry open rocky areas, forest edges	scarlet flowers
Butterfly weed <i>Asclepias tuberosa</i>	sand or gravel	medium to very dry	FS	up to 1 m	dry sunny open areas	orange flowers
Wild bee balm <i>Monarda fistulosa</i>	sand to clay	well drained	FS	1.5 m	sunny open areas	lavender flowers