



TREE/SHRUB SELECTION GUIDE

A good root system must be developed before trees & shrubs reach their indicated growth rates. Most trees & shrubs grow slowly for 1-3 years after planting or transplanting and more rapidly after their root system becomes developed. Generally, trees & shrubs with Rapid to Moderate growth rates reach 5-6 feet tall in 7-9 years. Those with Moderate to Slow growth rates reach 5-6 feet tall in 9-11 years. Soils, weather, animal or other damage, weed and grass competition, and general care will also affect growth rates.

Tree/Shrub Information Chart	Growth Rate			Soils			Soil Moisture				Shade Tolerance			Mature Height In Feet	Common Uses & Characteristics								Origin I = Introduced, N = Native	Deer Damage Potential L = Low, M = Medium, H = High	Notes	
	Rapid 10-15" yr.	Moderate 6-12" yr.	Slow 0-8" yr.	Sand	Loam	Clay	Dry-Moist	Moist	Moist-Wet	Wet	Full sunlight	Partial Shade	Full Shade		Christmas Trees	Erosion Control	Flowering or Fall Color	Lumber/Veneer	Naturalizing	Reforestation	Shade	Wildlife				Windbreaks
																										
Species																										
White Cedar			X	X	X		X	X	X	X	X	X				X					X	X		N	H	Also called Arborvitae.
Balsam Fir			X	X	X		X	X		X	X	X		X					X		X	X		N	H	
Red Pine	X			X			X			X				X		X					X			N	L	
White Pine	X			X	X		X	X	X	X	X			X		X					X	X		N	H	Needles soft to touch.
Black Hills Spruce		X	X	X	X	X	X	X		X	X			X			X				X	X		N	L	Variety of white spruce.
Blue Spruce			X		X	X	X	X	X	X	X			X							X	X		I	L	
Norway Spruce	X	X			X	X	X	X	X	X	X			X							X	X		I	L	
White Spruce		X	X		X	X	X	X	X	X	X			X	X						X	X		N	L	
River Birch	X	X		X	X	X		X	X	X	X	X				X		X		X	X		N	L		
American Chestnut	X			X	X		X	X		X							X	X	X	X				N	L	May be affected by Chestnut Blight.
Flowering Dogwood		X			X	X		X	X	X	X				X		X				X			N	M	
Shagbark Hickory			X	X	X	X	X	X		X	X					X		X			X			N	M	Good for firewood.
Am.Linden (Basswood)		X		X	X		X	X		X	X	X				X	X	X	X					M	M	Shade tolerant
Red Maple	X	X		X	X	X		X	X	X	X	X			X	X	X			X	X		N	H	Bright fall color.	
Sugar Maple		X		X	X	X	X	X		X	X				X	X		X						N	H	Sap used for syrup
Bur Oak	X	X		X	X		X	X		X	X				X					X	X		N	L		
Pin Oak	X			X	X			X	X	X					X	X					X	X		N	L-M	Good for food plots
Red Oak	X	X		X	X	X	X	X		X	X				X		X		X	X				N	L	Good for firewood.
White Oak			X	X	X	X	X	X		X					X		X	X	X					N	L	
Hybrid Poplar	X			X	X	X	X	X	X	X										X	X		I	L	Firewood, short-lived	
Redbud			X	X	X	X	X	X		X	X				X						X			N	L	Rose-pink flowers.
Tulip Tree	X			X	X		X	X		X					X	X	X		X	X	X			N	L	Tulip-like flowers
Button Bush	X	X	X	X	X	X	X	X	X	X	X					X	X		X					N	L	White flower clusters.
Red Osier Dogwood	X			X	X	X	X	X	X	X	X				X	X					X	X		N	M	Red stems
Elderberry		X		X	X	X	X	X	X	X	X				X	X					X			N	M	Yellow-white flowers
Hazelnut	X	X		X	X	X	X	X	X	X	X					X					X			N	M	Small tree, nuts
Lilac		X		X	X	X	X	X	X	X	X				X						X			I	M	Lavender blooms
Spicebush			X		X	X		X	X	X	X	X			X		X				X			N	M	Yellow flowers, bright red fruit.
Witchhazel		X	X	X	X	X	X	X	X	X	X	X			X						X			N	M	Fall flowering
Beauty Packet		X	X	X	X	X	X	X	X	X	X				X		X		X	X				N	Varies	For landscaping & naturalizing.
Evergreen Packet	X	X	X	X	X	X	X	X	X	X	X			X			X			X	X		N	Varies		
Nut Tree Packet	X	X		X	X	X	X	X		X	X					X	X		X	X	X			N	L	
Wetland Packet	X		X	X	X	X	X	X	X	X	X					X				X			N	M-H	For planting near ponds, wetlands, riparian areas.	
Apple, Fuji		X		X	X	X	X	X		X														H	H	Ripens mid-late Sept.
Apple, Gala		X		X	X	X	X	X		X														H	H	Ripens mid-Sept.
Apple, Granny Smith		X		X	X	X	X	X		X														H	H	Ripens late Oct.-Nov.
Apple, Honeycrisp		X		X	X	X	X	X		X														H	H	Ripens mid-Sept.
Apple, McIntosh		X		X	X	X	X	X		X														H	H	Ripens mid-late Sept.
Cherry, Stella		X		X	X		X	X		X														H	H	Ripens in July
Peach, Red Haven	X	X		X	X	X	X	X		X														H	H	Ripens in June-July.
Pear, Bartlett		X		X	X	X	X	X		X														H	H	Ripens late Aug-early Sept.
Blackberries, Chester	X			X	X	X	X	X		X														L	L	Ripens early-mid Aug.
Raspberries, Prelude	X			X	X	X	X	X		X														L	L	Ripens mid-June