

2021 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		40-50				X					X	X	N	H	Also called Arborvitae.	
White Pine	X			X	X		X	X	X		X	X	80-100	X	X		X		X		X	X	N	H	Needles soft to touch.		
Red Pine	X			X	X		X	X	X		X	X	50-80	X	X		X		X		X	X	N	L			
European Larch		X			X	X		X	X		X	X	30-130			X	X	X				X		I	L	Loses needles in winter	
Colorado Blue Spruce			X		X	X	X	X	X		X	X	40-60	X							X	X	I	I			
White Spruce		X	X		X	X	X	X	X		X	X	60-80	X	X						X	X	N	L			
Norway Spruce	X	X			X	X	X	X	X		X	X	60-80	X							X	X	I	L			
River Birch	X			X	X	X			X	X	X	X	50-75								X		N	L	Tolerates some soil compaction		
White Flowering Dogwood		X			X	X		X	X		X	X	20-30			X		X			X		N	M	Birds consume seeds		
Sugar Maple		X		X	X	X	X	X			X	X	60-80			X	X		X	X			N	H	Sap used for syrup		
Bur Oak	X	X		X	X	X	X	X			X	X	55-75			X	X			X	X		N	L	Good for wildlife		
Hackberry	X	X		X	X			X	X	X	X	X	35-55					X			X		N	M	Can live to 200 yrs		
Redbud			X	X	X	X	X				X	X	20-25			X					X		N	L	Pink flowers, birds eat seeds		
Tulip Poplar	X			X	X		X	X	X		X		80-100		X	X	X		X	X	X		N	L	Unique flower		
Swamp White Oak		X		X	X		X	X	X	X	X		50-60				X			X	X		N	L	Wildlife food source		
Nannyberry	X			X	X				X	X	X	X	15-18								X	X	N	L	Wildlife food source		
Serviceberry		X		X	X	X	X	X			X	X	12-25			X					X		N	H	Purple Berries		
Am. Hazelnut	X	X		X	X	X	X	X			X	X	6-10					X			X		N	M	Small tree, nut		
Lilac, common		X		X	X	X	X	X			X	X	8-15			X					X		I	M	Lavender blooms		
Gray Dogwood			X		X	X	X	X			X	X	6-12		X			X			X		N	L	Bright red fruit stalks and white fruit		
Pussy Willow	X			X	X	X			X		X	X	20-25		X							X	N	L	Colorful autumn leaves; March catkins		
American Paw Paw	X				X	X		X	X		X	X	9-36					X			X		N	L	Edible fruit		
Apple, Enterprise		X		X	X	X	X	X			X		15-20	Moderately-highly vigorous; spreading; high disease resistance									H	Ripens mid-Oct.			
Apple, Gale Gala		X		X	X	X	X	X			X		12-16	avg. vigor; spreading; Scab and fireblight resistant;									H	Ripens Sept.			
Apple, Royal Empire		X		X	X	X	X	X			X		12-15	Very hardy and vigorous, productive,									H	Ripens mid-Sept.			
Apple, Royal Red Honeycrisp		X		X	X	X	X	X			X		12-15	Very hardy; avg. vigor; productive									H	Ripens mid-Sept.			
Cherry, Bing		X		X	X		X	X			X		12-15	Hardy; needs good drainage; very vigorous,									H	ripens in mid-June to summer.			
Peach, Canadian Harmony		X		X	X	X	X	X			X		12-15	Very hardy; average vigor, upright growth									H	Ripens in August.			
Pear, Blake's Pride		X		X	X	X	X	X			X		15-20	Fireblight resistant, upright growth									H	Ripens early Sept.			
Nectarine, Fantasia		X		X	X	X	X	X			X		12-16	Self-pollinating; Hardy, requires thinning									H	Ripens in late August			
Blueberry Highbush	X			X	X		X	X	X	X	X	X	6-12	Vaccinium Corymbosum, RC+1									H	Ripens July-Aug.			
Raspberry, Prelude	X			X	X	X	X	X			X		3-6	Very winter hardy and vigorous.									L	Ripens mid-June			

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