

# Conservation Tree/Shrub Plantings and Attributes

Tree/Shrub	Suitability Group			Average Height (feet) 20 yrs.			Attributes						Soil Adaptation				
	1. Eastern Zone	1. Central Zone	1. Western Zone	2. Eastern Zone	2. Central Zone	2. Western Zone	3. Growth Rate	4. Native Species	5. Windbreak Value	6. Wildlife Value	7. Lumber Products	8. Fuelwood Product	9. Drought Tolerance	10. Texture	11. Soil Saturation	12. Salinity Tolerance	13. pH Range
<b>Shrubs</b>																	
Blackhaw	1, 3-6	NS	NS	6-8	NS	NS	S	N	L	H	N	N	M	1, 2	N	N	4.8-7.5
Buttonbush	1, 2	1, 2	1, 2	12-15	8-12	6-8	M	N	L	M	N	N	M	1,2,3	H	L	5.3-8.5
Cherry, Choke	1, 3-8	1, 3-7	1, 3-7	12-14	10-12	6-10	F	N	H	H	N	N	H	1,2,3	M	H	5.2-8.4
Cherry, Sand ( <i>Prunus besseyii</i> )	1, 3	1, 3	1, 3	4-6	4-6	4-6	S	N	M	H	N	N	H	2, 3	N	N	5.9-7
Cotoneaster, Peking	1, 3-6	1, 3-6	1, 3-6	6-10	6-8	5-7	M	I	H	H	N	N	H	1,2,3	N	H	5.5-7.5
Currant, Golden	1, 3-8	1, 3-8	1, 3-8	3-5	3-5	3-5	M	N	H	H	N	N	H	2	N	N	6-8
Dogwood, Redosier	1, 3-5	1, 3-5	1, 3-5	6-8	6-8	6-8	F	I	M	M	N	N	L	1,2,3	H	M	4.8-7
Dogwood, Roughleaf or Gray	1, 3-6	1, 3-5	1, 3-5	6-8	6-8	6-8	F	N	H	M	N	N	H	1, 2	L	L	4.5-7.5
Elderberry	1, 3	NS	NS	5-7	NS	NS	F	N	L	H	N	N	M	2	N	N	5-7
Euonymus, Eastern Wahoo	1, 3-4	1	NS	6-8	6-8	NS	M	N	L	M	N	N	M	1,2,3	N	N	6.1-7.8
Euonymus, Winterberry	1, 3-5	1, 3-5	NS	12-18	12-16	NS	F	I	H	L	N	N	M	1,2,3	N	L	4.7-7.5
Forsythia	1, 3-5	1, 3-5	1, 3-5	6-8	6-8	6-8	F	I	M	M	N	N	M	1,2,3	N	L	4.7-7.5
Hazel, American (hazelnut)	1, 3-5	NS	NS	3-5	NS	NS	M	N	L	H	N	N	L	2, 3	M	N	5-7
Honeysuckle, Freedom 1/	NS	NS	1-6,8,9	NS	NS	6-8	F	I	H	H	N	N	M	1,2,3	N	N	6-7.5
Indigobush ( <i>Amorpha fuiticosa</i> )	2	2	2	4-6	4-6	4-6	M	N	L	L	N	N	L	1,2,3	M	M	5-8.5
Lilac	1, 3-5	1, 3-5	1,3-5,9	8-10	8-10	6-8	S	I	H	M	N	N	H	1,2,3	N	L	5.8-7.8
New Mexico Forestiera	NS	NS	1, 3-6	NS	NS	6-8	M	N	H	H	N	N	H	1,2,3	N	M	5-7.5
Peashrub ( <i>Caragana</i> ), Siberian	1, 3-5	1, 3-5	1, 3-5	12-14	10-12	6-10	F	I	H	M	N	N	H	2, 3	L	M	6-9
Plum, American	1,3-6,8	1, 3-5	1, 3-5	8-10	6-8	6-8	M	N	H	H	N	N	M	2, 3	M	L	5-7
Plum, Sandhill	1,3-7,9	1,3-5,7	1,3-5,7	6-8	6-8	4-6	M	N	H	H	N	N	H	2, 3	L	L	5-7.5
Russian Almond	NS	1, 3-6	1, 3-6	NS	3-5	3-5	M	I	H	M	N	N	H	1,2,3	N	N	5-7.5
Saltbush, Fourwing	9	9	1,3-7,9	6-8	4-6	4-6	S	N	H	H	N	N	H	1,2,3	N	H	6.6-9
Sumac, Fragrant	1, 3-8	1, 3-8	1, 3-8	5-8	5-8	4-7	M	N	H	H	N	N	H	1,2,3	L	L	5-8

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<b>Deciduous Trees</b>																	
American Hop Hornbeam	1	NS	NS	13-18	NS	NS	S	N	L	M	N	Y	L	2, 3	L	N	4-7.4
Ash, Green	1-5	1, 2	1, 2	28-32	24-28	24-26	F	N	H	M	Y	Y	M	1,2,3	H	L	5-8
Baldcypress	1-5	1, 2	1, 2	15-20	15-20	15-18	M	I	L	M	Y	Y	M	1,2,3	H	N	4.5-6
Basswood, American	1-5	NS	NS	26-30	NS	NS	M	N	M	M	Y	Y	M	2, 3	L	N	4.5-7.5
Birch, River	1, 2	NS	NS	35-50	NS	NS	F	N	L	L	Y	Y	L	1, 2	L	L	3-6
Catalpa, Northern	1, 3-6	1, 3-6	1, 3-6	26-28	26-28	24-26	F	I	M	H	Y	Y	H	2, 3	M	L	5.3-7
Cherry, Black	1	NS	NS	26-30	NS	NS	F	N	L	M	Y	Y	M	2, 3	N	N	5-7.5
Coffeetree, Kentucky	1, 3-6	1, 3-6	1, 2	26-28	26-28	24-26	M	N	M	M	Y	Y	M	1,2,3	M	M	4.8-7.5
Cottonwood, Eastern	1, 2	1, 2	1, 2	55-65	50-60	45-55	F	N	H	H	Y	Y	M	1,2,3	H	L	5.5-7.5
Elm, Lacebark	1, 3-8	1, 3-8	1, 3-5	24-28	22-26	20-24	F	I	H	M	N	Y	H	1,2,3	N	N	4.8-7
Elm, Siberian	NS	NS	1, 3-8	NS	NS	25-28	F	I	H	L	Y	Y	M	1,2,3	N	N	5.5-8
Hackberry	1-5	1-5	1	28-30	26-28	29-26	F	N	H	H	Y	Y	H	1,2,3	M	M	4.5-8
Hawthorn	1, 3-6	1, 3-6	1, 3-6	20-24	20-24	18-22	M	N	M	H	N	Y	H	1, 2	N	N	4.5-7.2
Hickory	1-5	NS	NS	24-30	NS	NS	S	N	M	H	Y	Y	M	1,2,3	M	N	4-7.4
Honeylocust	3-8	3-8	3-8	30-36	28-32	26-28	F	N	H	M	Y	Y	H	1,2,3	H	L	6-8
Locust, Black	3-8	3-8	NS	26-30	24-26	NS	F	N	M	M	N	Y	M	1,2,3	L	N	4.8-7.5
Maple, Silver	1-3	1, 2	NS	36-38	32-36	NS	F	N	M	M	Y	Y	M	1,2,3	H	L	4-6.5
Maple, Sugar	1, 3-5	NS	NS	24-30	NS	NS	S	N	M	M	Y	Y	L	2, 3	L	N	3.7-7.5
Mulberry, Red/White 2/	1-6	1-8	1-8	20-22	20-22	18-20	M	N/I	H	H	Y	Y	H	1,2,3	M	M	5-8
Oak, White	1	NS	NS	24-28	NS	NS	S	N	H	H	Y	Y	M	2, 3	L	N	4.5-6.8
Oak, Black	1, 3-6	NS	NS	26-30	NS	NS	M	N	M	H	Y	Y	M	1,2,3	L	N	4.5-6.8.
Oak, Bur	1-8	1-8	1-5	24-28	24-26	24-26	S	N	H	H	Y	Y	H	1,2,3	H	L	4.5-8
Oak, Chinquapin	1, 3-6	1, 3-6	NS	24-28	22-26	NS	M	N	M	H	Y	Y	H	2	N	N	6.5-8
Oak, English	3-5	1, 3-5	1, 3-5	40-60	40-60	30-50	M	I	M	H	Y	Y	M	1, 2	M	L	4.5-7
Oak, Northern Red	1, 3-5	1	NS	60-75	55-70	NS	M	Y	M	H	Y	Y	M	1, 2	M	N	4.5-6.5

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Oak, Pin	1-5	1, 2	NS	26-28	24-26	NS	F	N	H	H	Y	Y	M	1, 2	Y	N	4.5-6.5
Oak, Sawtooth	1, 3-5	1, 3-5	NS	26-30	24-28	NS	M	I	H	H	N	Y	M	1,2,3	N	N	4.9-7.0
Oak, Shumard	1, 3-5	1, 3-5	NS	26-30	24-28	NS	M	N	H	H	Y	Y	M	1,2,3	N	N	5.5-7.5
Oak, Swamp White	1-5	1	NS	24-28	24-26	NS	F	N	H	H	Y	Y	M	1,2,3	M	N	4.3-6.5
Osage Orange	1-9	1-9	1-9	18-22	18-22	16-20	M	I	H	M	N	Y	H	2, 3	M	L	4.5-8
Pawpaw	1, 2	1, 2	NS	18-22	15-18	NS	M	N	L	M	N	N	L	2, 3	L	N	5.1-7.2
Pecan	1-5	NS	NS	26-30	NS	NS	S	N	M	H	Y	Y	M	1,2,3	H	N	4.5-7.5
Persimmon	1, 3-5	NS	NS	20-25	NS	NS	M	N	H	H	Y	Y	M	1,2,3	N	L	4-7
Redbud, Eastern	1, 3-6	1, 3-5	1, 3	14-18	10-14	7-10	M	N	M	M	N	N	M	1, 2	N	N	4.5-7.5
Soapberry, Western	1, 3-6	1, 3-6	1, 3-6	22-28	22-26	18-22	M	N	M	M	N	Y	H	2, 3	N	N	5-7
Sycamore, American	1, 2	1, 2	NS	32-36	30-34	NS	F	N	L	M	Y	Y	M	2, 3	H	N	4.9-6.5
Walnut, Black	1, 3	1	1	26-28	24-26	18-22	M	N	H	H	Y	Y	M	2	N	N	5.5-7.5
Willow	1, 2	1, 2	1, 2	25-30	22-28	18-22	F	N	L	M	Y	Y	L	2,3	H	N	6-8
<b>Conifer Trees</b>																	
Arborvitae, Oriental	1-5	1-5	NS	15-20	14-18	NS	F	I	H	M	N	N	M	1,2,3	N	M	4.7-6.8
Juniper, Chinese	1, 3-7	1, 3-7	1, 3-7	15-20	15-20	15-20	F	I	N	M	N	N	M	1,2,3	N	Y	4.8-8
Juniper, Rocky Mountain	NS	NS	1, 3-9	NS	NS	14-18	M	I	H	H	N	N	H	2,3	N	N	5-8
Pine, Austrian	1, 3-7	1, 3-7	1, 3-5	24-28	20-24	18-22	M	I	H	M	N	N	M	2	N	Y	6.5-7.5
Pine, Eastern White	1, 3-5	NS	NS	30-34	NS	NS	F	I	H	M	Y	N	L	2	N	N	4-6.5
Pine, Ponderosa	1, 3-8	1, 3-8	1, 3-8	18-22	16-20	14-18	M	I	H	M	Y	N	H	2,3	N	N	6-7
Pine, Southwestern White	1, 3-5	1, 3-5	1, 3-5	18-22	16-20	14-18	M	I	H	M	N	N	H	2,3	N	Y	5-7.5
Redcedar, Eastern	1, 3-9	1, 3-9	1, 3-9	14-18	12-15	10-12	M	N	H	H	Y	N	H	1,2,3	N	N	4.7-8

## Footnote:

1/ Freedom Honeysuckle is a introduced shrub that can become invasive in some locations.

2/ White mulberry is a introduced tree that can become invasive in some locations.