

WATER WISE TREES

LOW Water Usage Xeric Trees - Established for at least a year need a deep irrigation 1-2 times a summer during a drought year.

DECIDUOUS TREES (N)=Native	HEIGHT/WI DTH	ZONE	SUN/ SHADE	FLOWER, TIME	LEAF, TIME	COMMENTS
Large Trees						
Black Walnut <i>Juglans nigra</i>	75'	4-9	sun		yellow, fall	tolerant, taprooted, difficult to transplant, inhibits growth of vegetables and flowers, nuts are hard - with work edible, slow to moderate growth
Bur Oak <i>Quercus macrocarpa</i>	70-80'	2-8	sun		yellow, fall	difficult to transplant, long life span, also called mossy cup oak, slow growth
Medium Trees						
Purple Robe Common Locust (N) <i>Robinia pseudoacacia</i> 'Purple Robe'	50'	3-7	sun	purple, summer	yellow, fall	salt and soil tolerant, locust borers, leafminers, flowers fragrant, fast growth
Small Trees						
Bigtooth Maple (N) <i>Acer grandidentatum</i>	25'	2-6	sun, shade		orange, fall	tree or multi stemmed large shrub, clusters, may benefit from some protection, moderate growth
Fleshy Hawthorne (N) <i>Crataegus succulenta</i>	15'	3-6	sun	white, spring	bronze, fall	glossy leaves, clusters of small red berries persist into winter, long needles, moderate growth
Gambel Oak <i>Quercus gambelii</i>	20'	5-8	sun		red, fall	cluster for aesthetics and survival, need mulch, toughest oak, moderate growth
Netleaf Hackberry, Western Hackberry (N) <i>Celtis reticulata</i>	25'	4-9	sun, shade		yellow, fall	long lived, can be trained into single leader, natural habit gnarley knot of branches which create a wonderful winter specimen, fast growth despite tough conditions
New Mexico Privet, Desert Olive <i>Forestiera neomexicana</i>	8-10'	5-8	sun	yellow, spring	yellow, fall	multi stemmed tree or large shrub, hedges well, can be pruned as a airy specimen tree, mildew, long lived, fast growth
River Hawthorne, Douglas Hawthorne (N) <i>Crataegus douglasi</i>	8-20' H x 15' W	3-6	sun	white, spring	bronze, fall	Has thorns, black fruits; bright red fall leaves; shrub-like; wide range of soil conditions, moderate to slow growth
Rocky Mountain Maple (N) <i>Acer glabrum</i>	20-15'	5-7	sun, shade		orange, fall	thickets or single, dwarfed by heat, provide some protection, three-lobed leaf are shiny green, moderate growth
Single-Leaf Ash <i>Fraxinus anomala</i>	12-10'	5-9	sun		yellow, fall	needs moderate pruning to shape into tree, glossy green foliage, survives in vey hot soils, slow growth
Staghorn Sumac <i>Rhus typhina</i>	20'	3-8	sun, shade	yellow, summer	red, fall	suckers heavily under wet conditions, susceptible to chlorosis, dark red seed head persist into winter, fast growth
Thornless Cockspur Hawthorne <i>Crataegus crus-galli</i> var. <i>inermis</i>	20'	3-7	sun	white, spring	bronze, fall	insects, fire blight, red fruit remain through the winter, regular varieties large thorns limit its potential to please, almond like fragrant flowers, moderate growth

EVERGREEN TREES (N)=Native	Height/ Width	Zone	SUN/ SHADE	FLOWER, TIME	LEAF, TIME	Comments
Large Trees						
Ponderosa Pine (N) <i>Pinus ponderosa</i>	60-150'	4	sun, shade		green	unique bark on older trees, only native long-needled pine in Idaho; needs well-drained soil, moderate growth
Southwestern White Pine (N) <i>Pinus strobiformis</i>	60'	5-7	sun		green	also known as silver pine which name comes from the color of the wood, slow growth
Medium Trees						
Bristlecone Pine <i>Pinus aristata</i>	30'	4-7	sun		green	use as accent, dark green needles, best transplanted from container, long lived, will grow in the worst of soils, slow growth
Pinyon Pine (N) <i>Pinus edulis</i>	30-15'	4-8	sun		green	edible nuts were a main staple used by native americans and commercially grown today as pinuts, scale, do not prune, slow growth
Small Tree						
Utah Juniper (N) <i>Juniperus osteosperma</i>	10-20'	4-9	sun		green	tolerates heat, likes southern exposures, moderate growth
Rocky Mountain Juniper (N) <i>Juniperus scopulorum</i>	10-20'	3-8	sun		blue, green	many cultivars, blight, many uses, fast growth

MODERATE Water Usage Xeric Trees - Established for at least a year need a deep irrigation every 6 weeks.

DECIDUOUS TREES (N)=Native	Height/ Width	Zone	SUN/ SHADE	FLOWER, TIME	LEAF, TIME	Comments
Large Trees						
Common Hackberry <i>Celtis occidentalis</i>	65'	3-7	sun	yellow, spring	yellow, fall	tolerates clay soil, witches broom, nipple gall, moderate growth
Lacebark Elm <i>Ulmus parvifolia</i> 'Emer II'	60-45'	5-9	sun		yellow, fall	very attractive puzzel like exfoliating bark, resistant to dutch elm disease, fast growth
London Planetree <i>Platanus x acerifolia</i>	80-70'	4-9	sun, shade		green	tolerant of most soils, canker stain, powdery mildew, anthracnose, borer, moderate growth
Ohio Buckeye, Yellow Buckeye <i>Aesculus glabra</i>	60'	4-8	sun	cream, spring	orange red, fall	mildew, leaf blight, and scorch, fruit can be messy, medium growth
White Oak <i>Quercus bicolor</i>	70'	3-9	sun		red, fall	peeling bark, leaves dark and shiny, prefers acidic soils, iron chlorosis, also known as swamp oak but is adaptable to dry areas, slow growth
Zelkova <i>Zelkova serrata</i>	60-40	5-8	sun		bronze, fall	Heat tolerant, good replacement for Ulmus species, cherry-like polished brown bark, wonderful fall colors, vase shaped,
Medium Trees						
Amur Corktree <i>Phellodendron amurense</i>	35'	3-7	sun		yellow, fall	savana shaped tree, thick leathery leaves, handspme corky bark, very resistant of pests, good for large expanses of
Columnar English Oak <i>Quercus robur</i> 'Fastigiata'	40-10'	4-8	sun		yellow, fall	easy to transplant, mildew, holds on two its leaves long into the fall sometimes through the winter, slow growth
English Oak <i>Quercus robur</i>	50'	5-8	sun		yellow, fall	easy to transplant, mildew, holds on two its leaves long into the fall sometimes through the winter, slow growth
Kentucky Coffee Tree <i>Gymnocladus dioica</i>	45'	4-9	sun, shade	white, spring	yellow, fall	resistant to disease and insects, pods are messy, great tree for southern exposure as it provides little shade as a winter specimen, slow to moderate growth
Madenhair Tree <i>Ginkgo biloba</i>	50'	4-9	sun		yellow, fall	<u>male cultivars only</u> , attractive fan shaped leaves, indestructible and pest free, prehistoric tree(150 million
Manchurian Ash <i>Fraxinus mandschurica</i> 'Mancana'	45'	3-7	sun		yellow, fall	resistant to the emerald ash borer, no serious disease problems, can be damaged by late spring frosts, fast to moderate growth
Stone Hill Pear <i>Pyrus calleryana</i> 'Stone Hill'	35'	4-8	sun	white, spring	red, fall	adaptable to poor and clay soils and various pH levels, makes a good street tree, no serious insect or disease, resistant to fireblight, moderate growth
Small Trees						
Amur Maple <i>Acer ginnala</i>	20'	2-7	sun, shade	cream, spring	red, fall	tree or large shrub, fragrant, tolerant of sand or clay soils, aphids, verticillium, iron chlorosis, moderate growth

Amur Chokecherry <i>Prunus maackii</i>	20-15'	2-6	sun	white, spring		copper colored birch-like bark, girdling roots are common, corrective pruning important to limit weak crotch angles, fast growth
Aristocrat Pear <i>Pyrus calleryana 'Aristocrat'</i>	30'	4-8	sun	white, spring	red, fall	fireblight, most drought tolerant of flowering pears, long lasting fall color, moderate growth
Common Chokecherry <i>Prunus virginiana</i>	20-15'	2-6	sun, shade	white, spring	red, fall	clusters, prefers moist soils, edible fruit, suckers, fast growth
Goldenrain Tree <i>Koelreuteria paniculata</i>	30-40'	5-8	sun	yellow, summer	yellow, fall	verticillium, highly adaptable to many sites, great street tree, moderate growth
Japanese Tree Lilac <i>Syringa reticulata</i>	30'	5-9	sun	white, summer		distinguished shape, tolerant, lilac borer, powdery mildew, moderate growth
Paul's Scarlet Hawthorne <i>Crataegus laevigata 'Paul's Scarlet'</i>	15'	5-9	sun	red, spring	red, fall	small clusters of red fruit are attractive in late summer, fireblight, aphids, bark is uniquely contorted or twisted, moderate growth
Peking Lilac <i>Syringa pekinensis</i>	25-30'	4-7	sun, shade	white, summer		finer texture than <i>S. reticulata</i> , shiny copper colored exfoliating bark, poor late season specimen, moderate growth
Saskatoon Serviceberry (N) <i>Amelanchier alnifolia</i>	10'	2-6	sun, shade	white, spring	red, fall	tree or large shrub, fragrant flowers, edible fruit, rust
Tatarian Maple <i>Acer tataricum</i>	20'	3-7	sun, shade		orange, fall	dark red samaras, tolerant of alkaline soil, will hybridize easily with amur maple, extracts of this species have been toxic to pests, fast growth
Washington Hawthorne <i>Crataegus phaenopyrum</i>	20'	4-8	sun, shade	white, summer	red, fall	Small clusters of red fruit are attractive in fall, fireblight, aphids, latest blooming hawthorn, moderate growth
Western Water Birch <i>Betula occidentalis</i>	30-20'	2-7	sun, shade		yellow, fall	although this specimen is native along water edges it will tolerate drought conditions, very few pests, moderate growth

EVERGREEN TREES (N)=Native	Height/ Width	Zone	SUN/ SHADE	FLOWER, TIME	LEAF, TIME	Comments
Large Trees						
Austrian Pine <i>Pinus nigra</i>	60'	4-8	sun		green	tolerates clay, scale, other nematodes and diseases could move in from the east which target this pine, adaptable to
Blue Atlas Cedar <i>Cedrus atlantica glauca</i>	55-40'	6-8	sun, shade		blue or green	great specimen, no heavy or wet soils, least cold hardy cedar, plant in protected areas in colder climates, fast growth changing to slow growth with age
Blue Spruce, Colorado Spruce <i>Picea pungens</i>	75-35'	3-7	sun		blue or green	spruce gall adelgid, tussock moth, scale, ips bark beetle, many cultivars and varieties to choose from, slow to moderate growth
Cedar of Lebanon <i>Cedrus libani</i>	55'	5-7	sun		green	thicker trunk than <i>C. atlantica</i> , specimen tree, no major pest problems, only 6000 acres of native <i>C. libani</i> forest left in the world, slow growth

Concolor Fir, White Fir (N) <i>Abies concolor</i>	70'	3-7	sun, shade		blue and green	prefer lower pH, protect from hot wind, slow growth
Jeffrey Pine (N) <i>Pinus jeffreyi</i>	120'	5-9	sun		blue and green	cones used in decorations, cinammon-red bark, similar to ponderosa, resins produce a hydrocarbon that is very
Incense Cedar <i>calocedrus decurrens</i>	50-10'	5-8	sun		green	heart rot, columnar habit, prefers slightly acid soils, exfoliating bark, elegant and formal uses, slow growth
Limber Pine (N) <i>Pinus flexilis</i>	75'	4-7	sun		blue and green	similar to white pine, however this tree can tolerate high pH soils, actually native only to N. Dakota but brought here by
Scotch Pine <i>Pinus sylvestris</i>	90'	3-8	sun		green	attractive orange bark, aphids, rust, borers, wood rot, scale, transplants easily, slow to moderate growth
Medium Trees						
Hybrid Juniper <i>Juniperus spp.</i>	30-75'	2-8	sun		green or blue	many upright varieties, no major pest problems, moderate growth

