

May be insect and/or disease prone, Especially when stressed

Botanical Name	Common Name	Cultivars
†<i>Fraxinus excelsior</i>	European ash	'Aurea', 'Globosa' (30' tall), 'Pendula', 'Rancho' (30' tall; yellow fall color)
†<i>Melia azedarach</i>	Chinaberry	'Umbraculiformis' (domed shape; multi-stemmed; called "Texas Umbrellatree")
†<i>Populus candicans</i>	balm-of-Gilead	'Aurora' (leaves variegated when young)
†<i>Populus nigra 'Italica'</i>	Lombardy poplar	'Italica' (typical narrow crown), 'Theves' (wider)
†<i>Salix matsudana</i>	Hankow willow (‘Globe Navajo’, etc.)	'Golden Curls' (hybrid; twisting, golden stems), 'Navajo' (round crown; troublesome), 'Pendula'
†<i>Sorbus aucuparia</i>	European mountain-ash or rowan	Numerous; 'Asplenifolia' (deeply divided leaves), 'Cardinal Royal' (fast growth, upright)
†<i>Ulmus americana</i>	American or white elm	Some claimed to be disease resistant; not proven long-term — 'Liberty', 'Washington'
†<i>Ulmus pumila</i>	Siberian elm	'Chinkota' (very cold-hardy), 'Pendula'
❖†<i>Populus tremuloides</i>	quaking or trembling aspen	None available
❖<i>Sorbus scopulina</i>	Greene mountain-ash	None available
<i>Albizia julibrissin</i>	mimosa, silk-tree, albizia	'E.H. Wilson' and 'Rosea' (hardy to -15°F)
<i>Betula papyrifera</i>	paper birch	None available
<i>Betula pendula</i>	European white birch	'Dalecarlica' (cut leaves; weeping form), 'Fastigiata', 'Purpurea'
<i>Fraxinus pennsylvanica</i>	green ash	'Marshall's Seedless', 'Patmore' (seedless), 'Summit' (upright, pyramidal)
<i>Prunus padus</i>	European birdcherry, May Day tree	'Abertii' (30' pyramidal), var. <i>commutate</i> (1/2" flowers), 'Summer Glow' (purple leaves)
<i>Prunus persica</i>	peach	Numerous; 'Alba Plena' (double white flowers), 'Early Double Red, Pink, or White' (early blooming), 'Royal Red Leaf' (red-purple leaves)
<i>Pyrus communis</i>	common pear	Rarely planted as an ornamental
<i>Robinia pseudoacacia</i>	black locust	'Purple Robe' (medium height; dark pink flowers), 'Pyramidalis' (no spines on twigs)
<i>Sorbus americana</i>	American mountain-ash	None available

† = Very rarely should be planted

❖ = Native to Utah

Weak Wood and/or Branch Structure

Botanical Name	Common Name	Cultivars
† <i>Melia azedarach</i>	Chinaberry	'Umbraculiformis' (domed shape; multi-stemmed; called "Texas Umbrellatree")
† <i>Ailanthus altissima</i>	tree-of-heaven, ailanthus	'Erythrocarpa' (red fruit), 'Metro' (male, fruit; tight crown), 'Pendulifolia' (long leaves hang down)
† <i>Catalpa speciosa</i>	northern or western catalpa	None available
† <i>Populus candicans</i>	balm-of-Gilead	'Aurora' (leaves variegated when young)
† <i>Populus X canadensis</i>	Carolina poplar	'Eugenei' (columnar), 'Noreaster' (some canker resistance), 'Robusta' (small oval)
† <i>Salix babylonica</i>	weeping willow	'Crispa' (spiral leaves)
† <i>Salix matsudana</i>	Hankow willow (‘Globe Navajo’, etc.)	'Golden Curls' (hybrid; twisting, golden stems), 'Navajo' (round crown; troublesome), 'Pendula'
† <i>Ulmus pumila</i>	Siberian elm	'Chinkota' (very cold-hardy), 'Pendula'
❖† <i>Acer negundo</i>	boxelder, ash-leaved or Manitoba maple	'Baron' (seedless), 'Sensation' (red fall color), several with variegated foliage
❖ <i>Populus angustifolia</i>	narrowleaf cottonwood	None available; naturally forms hybrids, such as lanceleaf cottonwood, <i>P. X acuminata</i>
❖ <i>Populus balsamifera</i>	balsam poplar	Some hybrids
❖ <i>Populus fremontii</i>	Fremont cottonwood	None available
❖ <i>Populus trichocarpa</i>	black cottonwood	None available
❖ <i>Salix amygdaloides</i>	peachleaf willow	None known
<i>Catalpa bignonioides</i>	southern catalpa	'Aurea', 'Nana' (see below)
<i>Catalpa bignonioides 'Nana'</i>	umbrella catalpa	'Nana' (sterile, grafted dwarf)
<i>Koelreuteria paniculata</i>	goldenraintree	'Fastigiata', 'September' (flowers late summer; not as cold-hardy as others)
<i>Laburnum X watereri</i>	goldenchain tree, Waterer laburnum	'Alford's Weeping', 'Aureum' (golden yellow leaves), 'Pendulum', 'Vossii' (dense crown; 2' long inflorescences)
<i>Populus alba</i>	white poplar	'Pyramidalis', 'Richardii' (upper leaf surfaces white)
<i>Populus deltoides</i>	eastern cottonwood	'Platte', 'Noreaster' (both canker resistant), 'Siouxland' (canker susceptible), many hybrids
<i>Prunus cerasifera</i>	purpleleaf, cherry, or Myrobalan plum	'Newport' (dark purple leaves; more cold hardy), 'Thundercloud' (less cold hardy; pink flowers)
<i>Pyrus calleryana</i>	Callery pear	'Aristocrat' (better branch attachment), 'Bradford' (poor branch attachment), 'Chanticleer' (narrower crown, more cold hardy), 'Redspire' (pyramidal)
<i>Salix fragilis</i>	crack willow	Unknown
<i>Salix nigra</i>	black willow	None known
<i>Tilia cordata</i>	littleleaf European linden	'Chancellor' (fastigate when young, later pyramidal), 'Greenspire' (tough; common; upright), 'Prestige' (fast growing; strong form)

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Fruit and/or Plant Parts can be Nuisances;

Use fruitless varieties if possible

Botanical Name	Common Name	Cultivars
† <i>Melia azedarach</i>	Chinaberry	'Umbraculiformis' (domed shape; multi-stemmed; called "Texas Umbrellatree")
† <i>Ailanthus altissima</i>	tree-of-heaven, ailanthus	'Erythrocarpa' (red fruit), 'Metro' (male, fruit; tight crown), 'Pendulifolia' (long leaves hang down)
† <i>Catalpa speciosa</i>	northern or western catalpa	None available
† <i>Quercus palustris</i>	pin oak	'Crownright' (upright habit), 'Sovereign' (lower branches do not sweep down)
❖ <i>Chilopsis linearis</i>	desert willow	None available
❖ <i>Prosopis juliflora</i>	honey mesquite	None available
❖ <i>Prunus virginiana</i>	common chokecherry	'Schubert' or 'Canada Red' (pyramidal form; red-green foliage)
❖ <i>Quercus gambelii</i>	Gambel, scrub, or Rocky Mountain white oak	None readily available
❖ <i>Quercus turbinella</i>	shrub live oak	None available
❖ <i>Quercus undulata</i>	wavyleaf oak	None available
<i>Aesculus californica</i>	California buckeye	None available
<i>Aesculus glabra</i>	Ohio buckeye	var. <i>nana</i> (dwarf, shrubby)
<i>Aesculus hippocastanum</i>	horsechestnut	'Baumannii' (double white flowers; no fruit)
<i>Aesculus X carnea</i>	red horsechestnut	'Briotii' (flowers deeper red in 10" groups), 'O'Neill' (better red flowers in 10"-12" groups)
<i>Albizia julibrissin</i>	mimosa, silk-tree, albizia	'E.H. Wilson' and 'Rosea' (hardy to -15°F)
<i>Castanea mollissima</i>	Chinese chestnut	Some hybrids available
<i>Catalpa bignonioides</i>	southern catalpa	'Aurea', 'Nana' (see below)
<i>Eriobotrya japonica</i>	loquat	'Golden Nugget' (large; abundant fruit), 'Variegata' (white variegations)
<i>Ginkgo biloba</i>	ginkgo, Maidenhair tree	All males; 'Autumn Gold' (good fall color), 'Fastigiata', 'Pendula', 'Santa Cruz' (spreading)
<i>Gleditsia triacanthos</i>	honeylocust	All thornless; 'Imperial' (few pods), 'Moraine' (fruitless; very good tree), 'Shademaster' (dark green; few pods), 'Skyline' (good fall color)
<i>Gymnocladus dioicus</i>	Kentucky coffeetree	'Variegata' (white variegations on green leaves)
<i>Juglans nigra</i>	black walnut	'Laciniata' (dissected leaflets)
<i>Juglans regia</i>	English or Persian walnut	'Carpathian' (very cold hardy), 'Pendula', 'Hansen' (good fruit production), 'Laciniata'
<i>Liquidambar styraciflua</i>	sweetgum, American sweetgum	'Burgundy' (deep red fall color), 'Festival' (narrower crown; yellow to pink fall color), 'Rotundiloba' (fruitless; rounded leaf lobes)
<i>Maclura pomifera</i>	Osage-orange	var. <i>inermis</i> (thornless)
<i>Malus pumila</i>	apple	Many choices available
<i>Malus spp.</i>	crabapple	Numerous cultivars available
<i>Morus alba</i>	white mulberry	'Hampton' (fruitless; wide crown), 'Pyramidalis', 'Mapleleaf' (large, maple-like leaves; fruitless), 'Pendula' (weeping, twisted; fruiting)
<i>Morus rubra</i>	red mulberry	None available
<i>Platanus occidentalis</i>	American sycamore or planetree	'Howard' (uncommon; new foliage yellow)
<i>Platanus X acerifolia</i>	London planetree	'Bloodgood', 'Columbia', 'Liberty' (all anthracnose resistant)
<i>Prunus armeniaca</i>	apricot	'Manchurian' (20' tall; round crown; pink flowers), many others available

<i>Prunus avium</i>	sweet cherry	'Plena' (double white flowers) mazzard
<i>Prunus cerasifera</i>	purpleleaf, cherry, or Myrobalan plum	'Newport' (dark purple leaves; more cold hardy), 'Thundercloud' (less cold hardy; pink flowers)
<i>Prunus cerasus</i>	sour cherry	var. <i>umbraculifera</i> (compact; round habit), var. <i>persiciflora</i> (pink flowers), many others
<i>Prunus domestica</i>	common plum	Numerous
<i>Prunus padus</i>	European birdcherry, May Day tree	'Abertii' (30' pyramidal), var. <i>commutate</i> (1/2" flowers), 'Summer Glow' (purple leaves)
<i>Prunus persica</i>	peach	Numerous; 'Alba Plena' (double white flowers), 'Early Double Red, Pink, or White' (early blooming), 'Royal Red Leaf' (red-purple leaves)
<i>Prunus sargentii</i>	Sargent cherry	'Columnaris', 'Rancho' (very narrow crown), also many hybrids
<i>Pyrus communis</i>	common pear	Rarely planted as an ornamental
<i>Pyrus ussuriensis</i>	Ussurian pear	'Prairie Gem' (good fall color; glossy leaves)
<i>Quercus acutissima</i>	sawtooth oak	'Gobbler' (abundant acorns)
<i>Quercus alba</i>	white oak	None available
<i>Quercus bicolor</i>	swamp white oak	None available
<i>Quercus cerris</i>	turkey oak	'Argenteo-variegata' (white blotches on leaf edges)
<i>Quercus imbricaria</i>	shingle or laurel oak	None available
<i>Quercus macrocarpa</i>	bur or mossycup oak	None available
<i>Quercus muehlenbergii</i>	chinkapin oak	None available
<i>Quercus robur</i>	English oak	'Atropurpurea', 'Fastigiata' (upright, narrow), 'Pendula', 'Westminster Globe' (large, round)
<i>Quercus rubra</i>	northern red oak	'Aurea' (new leaves yellow, becoming green)
<i>Quercus shumardii</i>	Shumard oak	None available
<i>Sophora japonica</i>	Japanese pagodatree, scholar-tree	'Columnaris', 'Fastigiata', 'Pendula' (rarely flowers), 'Regent' (fast growth), 'Variegata'

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Thorns or Spines can be Dangerous;

Use thornless varieties if possible

Botanical Name	Common Name	Cultivars
❖ <i>Prosopis juliflora</i>	honey mesquite	None available
❖ <i>Robinia neomexicana</i>	New Mexico locust	None available
<i>Crataegus crusgalli</i>	cockspur hawthorn	var. <i>inermis</i> (thornless), 'Hooks' (fewer thorns)
<i>Crataegus laevigata</i>	English hawthorn	'Crimson Cloud' (blight resistant), 'Paul's Scarlet' (red, doubled flowers; very showy)
<i>Crataegus phaenopyrum</i>	Washington hawthorn	'Clark' (heavy fruiting), 'Fastigiata', 'Vaughn' (hybrid with <i>C. crusgalli</i> ; heavy fruiting)
<i>Crataegus viridis</i>	green hawthorn	'Winter King' (vase-shaped; red fruit attractive in winter; excellent tree)
<i>Crataegus X lavalleyi</i>	Lavalle hawthorn	Hybrid of <i>C. stipulacea</i> and <i>C. crusgalli</i>
<i>Gleditsia triacanthos</i>	honeylocust	All thornless; 'Imperial' (few pods), 'Moraine' (fruitless; very good tree), 'Shademaster' (dark green; few pods), 'Skyline' (good fall color)
<i>Maclura pomifera</i>	Osage-orange	var. <i>inermis</i> (thornless)
<i>Robinia pseudoacacia</i>	black locust	'Purple Robe' (medium height; dark pink flowers), 'Pyramidalis' (no spines on twigs)
<i>Robinia X ambigua</i>	Idaho flowering locust	'Idaho' (pink flowers; tough)
<i>Zizyphus jujuba</i>	Chinese date	'Lang' (fruits young), 'Li' (2" fruits)

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Sucker (sprout) growth can be a problem

Botanical Name	Common Name	Cultivars
† <i>Ailanthus altissima</i>	tree-of-heaven, ailanthus	'Erythrocarpa' (red fruit), 'Metro' (male, fruit; tight crown), 'Pendulifolia' (long leaves hang down)
❖† <i>Populus tremuloides</i>	quaking or trembling aspen	None available
❖ <i>Quercus gambelii</i>	Gambel, scrub, or Rocky Mountain white oak	None readily available
<i>Lagerstroemia indica</i>	crapemyrtle	Numerous; 'Acoma' (white flowers; semi-dwarf), 'Hopi' (pink flowers; semi-dwarf), 'Yuma' (lavender flowers; taller, upright)
<i>Malus pumila</i>	apple	Many choices available
<i>Malus spp.</i>	crabapple	Numerous cultivars available
<i>Populus alba</i>	white poplar	'Pyramidalis', 'Richardii' (upper leaf surfaces white)
<i>Prunus armeniaca</i>	apricot	'Manchurian' (20' tall; round crown; pink flowers), many others available
<i>Robinia pseudoacacia</i>	black locust	'Purple Robe' (medium height; dark pink flowers), 'Pyramidalis' (no spines on twigs)
<i>Tilia americana</i>	American basswood, American linden	'Fastigiata', 'Lincoln' (slender-upright), 'Redmond' (dense pyramidal crown)
<i>Tilia X euchlora</i>	Crimean linden	'Laurelhurst' (broad, pyramidal crown)
<i>Zizyphus jujuba</i>	Chinese date	'Lang' (fruits young), 'Li' (2" fruits)

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Prefers abundant water,

But some of these species may survive on a drier site

Botanical Name	Common Name	Cultivars
† <i>Populus nigra</i> 'Italica'	Lombardy poplar	'Italica' (typical narrow crown), 'Theves' (wider)
† <i>Populus X canadensis</i>	Carolina poplar	'Eugenei' (columnar), 'Noreaster' (some canker resistance), 'Robusta' (small oval)
❖ <i>Alnus tenuifolia</i>	thinleaf or mountain alder	None available
❖ <i>Betula occidentalis</i>	water or river birch	None available
❖ <i>Populus angustifolia</i>	narrowleaf cottonwood	None available; naturally forms hybrids, such as lanceleaf cottonwood, <i>P. X acuminata</i>
❖ <i>Populus balsamifera</i>	balsam poplar	Some hybrids
❖ <i>Sambucus cerulea</i>	blue elder	None available
<i>Alnus glutinosa</i>	European or common alder	'Aurea', 'Laciniata', 'Fastigiata' (narrow Lombardy poplar)
<i>Betula nigra</i>	river birch	'Heritage' (attractive bark; superior selection)
<i>Betula papyrifera</i>	paper birch	None available
<i>Betula pendula</i>	European white birch	'Dalecarlica' (cut leaves; weeping form), 'Fastigiata', 'Purpurea'
<i>Cercidiphyllum japonicum</i>	katsuratree	'Pendula' (graceful, weeping, blue-green mound)
<i>Larix decidua</i>	European larch	'Fastigiata' (very narrow), 'Pendula'
<i>Larix kaempferi</i>	Japanese larch	'Blue Rabbit' (narrow pyramidal with blue-green foliage), 'Dervaes' (horizontal branches, drooping branchlets), 'Pendula'
<i>Populus alba</i>	white poplar	'Pyramidalis', 'Richardii' (upper leaf surfaces white)
<i>Taxodium distichum</i>	baldcypress	'Monarch of Illinois' (wide, large crown), 'Pendens' (pyramidal; branchlets droop), 'Shawnee Brave' (narrow crown)
<i>Thuja (Platyclusus) orientalis</i>	Oriental arborvitae	Numerous; 'Aurea Nana' (5'; round), 'Baker' (bright green; likes heat), 'Compacta' (small, pyramidal)
<i>Thuja occidentalis</i>	northern white-cedar, eastern arborvitae	Numerous; cold hardy include 'Emerald' and 'Nigra' (narrow pyramidal), 'Techny' (broad pyramidal)
<i>Thuja plicata</i>	western redcedar	'Canadian Gold' (gold leaves), 'Fastigiata', 'Zebrina' (yellow variegated foliage; gets 60' tall)

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Evergreen Broadleaf

(retains its leaves for more than one year)

Botanical Name	Common Name	Cultivars
❖ <i>Cercocarpus ledifolius</i>	curlleaf mountain-mahogany	None available
❖ <i>Cowania mexicana</i>	cliffrose, quininebush	None available
❖ <i>Quercus turbinella</i>	shrub live oak	None available
❖ <i>Quercus undulata</i>	wavyleaf oak	None available
❖ <i>Yucca brevifolia</i>	Joshua-tree	None available
<i>Eriobotrya japonica</i>	loquat	'Golden Nugget' (large; abundant fruit), 'Variegata' (white variegations)
<i>Ilex opaca</i>	American holly	'Amy' (large leaves; abundant fruit), 'Goldie' (yellow fruit), 'Wyetta' (pyramidal)
<i>Magnolia grandiflora</i>	southern magnolia	Numerous; 'Bracken's Brown Beauty' (good, dense crown), 'Majestic Beauty' (large leaves)

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Deciduous Conifers

(loses its needles every year)

Botanical Name	Common Name	Cultivars
<i>Larix decidua</i>	European larch	'Fastigiata' (very narrow), 'Pendula'
<i>Larix kaempferi</i>	Japanese larch	'Blue Rabbit' (narrow pyramidal with blue-green foliage), 'Dervaes' (horizontal branches, drooping branchlets), 'Pendula'
<i>Metasequoia glyptostroboides</i>	Dawn redwood	'National' (narrow pyramidal), 'Sheridan Spire' (upright)
<i>Taxodium distichum</i>	baldcypress	'Monarch of Illinois' (wide, large crown), 'Pendens' (pyramidal; branchlets droop), 'Shawnee Brave' (narrow crown)

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