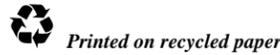


TREES FOR COLORADO SPRINGS

SUITABLE AS STREET TREES



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TREE Common Name - Botanical name*	Hard-ness Zone	PHYSICAL CHARACTERISTICS					HABITAT REQUIREMENTS	MAINTENANCE CHARACTERISTICS			ORNAMENTAL CHARACTERISTICS				Comments
		Tree Shape	Spread (feet)	Canopy Density	Rate of Growth	Longevity **	Soil Type	Irrigation Need	Insect and Disease Problems	Flowers	Fruit	Bark	Foliage	Objectionable Features	
SUITABLE AS STREET TREES - (Approved street trees by City Forestry.)															
Large (over 49') 40' Spacing															
❖ Hackberry - <i>Celtis occidentalis</i>	4	broad	30	med.	med.	long	dry soils, very adaptable	low	nipple gall on leaf (aesthetic only)		hard "drupe"	corky gray	f.c. yellow	seed litter	gall psyllid food for migrating birds
White Ash - <i>Fraxinus americana</i>	3	broad, oval	30	med.	med.	med.	somewhat adaptable	med.	ash borer (stressed sites)		samara	smooth	f.c. purple	sunscauld, canker problem, borers	autumn purple ash most common
❖ Green Ash - <i>Fraxinus pennsylvanica</i>	3	irregular, oval	30	med.	med.	med.	very adaptable	low	oyster shell scale, sawfly, borers		samara	furrowed light gray	f.c. yellow	overplanted in Colorado Springs	seedless variety, many varieties
❖ Thornless Honeylocust - <i>Gleditsia triacanthos var. inermis</i>	4	broad, irregular	40	open	med.	med.	very adaptable to urban sites	low	thyronectria canker, plant bug, pod gall midge		pod, seedless variety	platey gray	compound, f.c. yellow	occasional uplift of sidewalks, canker	many varieties
❖ Black Walnut - <i>Juglans nigra</i>	4	irregular	40	open	med.	long	adaptable	med.	aphids sometimes		nut	rough black	f.c. yellow, compound	honeydew from aphids	difficult to transplant, wildlife
American Sycamore - <i>Platanus occidentalis</i>	4	open spreading	50	open	med.	med.	prefers moist well-drained	med.	anthracnose sometimes		1" globular	mottled green, white	large leaf	twig/fruit litter	
Swamp White Oak - <i>Quercus bicolor</i>	4	round	40	med.	slow	long	prefers fine clay, adaptable	med.			acorn	furrowed gray-brown	f.c. dull yellow		tolerates poor drainage
❖ Bur Oak - <i>Quercus macrocarpa</i>	4	broad, round	40	med.	slow	long	adaptable, sensitive to compaction	low			acorn	furrowed gray-brown	f.c. dull yellow		good drought tolerant tree
English Oak - <i>Quercus robur</i>	5	large, broad	40	med.	slow	long	prefers loam, adaptable	med.			acorn	furrowed, gray-black	f.c. brown		fastigate (upright) variety
Northern Red Oak - <i>Quercus rubra</i>	5	broad, round	40	med.	slow	long	prefers loam, adaptable	med.			acorn	smooth gray	f.c. deep red-burgundy		late leaf drop
American Linden - <i>Tilia americana</i>	3	broad, pyramidal	25	dense	med.	med.	adaptable	med.			hard nut-like	gray-black	heart-shape leaf (3")	seed litter	'Redmond' a variety
Medium (31 - 49') 30' Spacing															
Norway Maple - <i>Acer platanoides</i>	4	broad, round	30	dense	med.	med.	adaptable	med.	aphids (nuisance insect)	pannicle	winged samara	gray to black	dark green	honeydew, sunscald when young	many varieties
Ohio Buckeye - <i>Aesculus glabra</i>	4	round	20	dense	slow	med.	moist, not in clay	med.		yellow spikes	large nut	platey white	f.c. yellow to orange	fruit litter	
Horsechestnut - <i>Aesculus hippocastanum</i>	3	oblong	25	dense	slow	med.	moist well-drained	med.		white spikes	large nut	platey white	f.c. orange red	fruit litter	slow to establish
❖ Western Catalpa - <i>Catalpa speciosa</i>	4	broad, oval	30	med.	slow	long	adaptable	low		white in June	long pod	brown	large leaf	fruit and leaf litter	leafs out late
Littleleaf Linden - <i>Tilia cordata</i>	4	pyramidal	20	dense	med.	low	adaptable	low			fragrant	smooth gray black	heart-shape leaf (1-2")	included branching, seed litter	many varieties
Crimean Linden - <i>Tilia x euchlora</i>	6 (5)	upright, pyramidal	25	dense	med.	med.	adaptable	med.			fragrant	smooth furrowed	heart-shape leaf (2")	seed litter	
Small (up to 30') 25' Spacing															
❖ Amur Maple - <i>Acer ginnala</i>	2	round, shrubby	15	med.	slow	med.	adaptable	low			winged samara	white	f.c. red orange		
Tatarian Maple - <i>Acer tataricum</i>	5	shrubby	10	med.	slow	med.	adaptable, tolerant of alkaline	low			winged samara		f.c. yellow		samara red in summer
❖ Hawthorn - <i>Crataegus spp.</i>	4	irreg. horiz. branches	15	dense	slow	short	adaptable	low	fireblight sometimes		berry		f.c. red orange	thorns in some varieties	many varieties
❖ Goldenrain tree -- <i>Koelreuteria paniculata</i>	5 (6)	round	20	med.	slow	med.	adaptable, tolerant of alkaline	low			capsule		f.c. yellow	hard to establish	decorative seed pods
Japanese Tree Lilac - <i>Syringa reticulata</i>	4	irregular	15	dense	med.	med.	adaptable	med.		white	capsule				
SUITABLE AS STREET TREES - "Trees to Try"															
Large (over 49') 40' Spacing															
Black Ash - <i>Fraxinus nigra</i>	3	upright, oval	20	med.	med.	med.	adaptable to wide range	med.			seedless	f.c. golden yellow			naturally found on wet sites 'Fall Gold' a variety late leaf drop
Chestnut Oak - <i>Quercus montana</i>	5	round	40	med.	slow	long	prefers acid, adaptable	med.			acorn	furrowed brown-black	f.c. dark crimson red		
Silverleaf Linden - <i>Tilia tomentosa</i>	4	pyramidal, elliptical	30	dense	med.	med.	adaptable	med.		fragrant	hard nut-like	gray-brown	silver underneath	seed litter	
Japanese Zelkova - <i>Zelkova serrata</i>	3	vase-shape	40	med.	med.	med.		med.	elm leaf beetle		berry	mottled	f.c. reddish		
Medium (31 - 49') 30' Spacing															
Yellow Buckeye - <i>Aesculus octandra</i>	4	oblong	30	dense	slow	med.	prefers moist	med.		yellow spikes	large nut	platey	f.c. orange red	fruit litter	
Yellowwood - <i>Cladrastis kentukea (lutea)</i>	3	broad, oval	30	open	slow	long	sensitive to compaction, tolerant of alkaline	high		white pendant spike	long narrow pod	smooth light gray	compound	sensitive to heat, seed litter	
Blue Ash - <i>Fraxinus quadrangulata</i>	5	irregular	30	med.	slow	med.		med.			samara	platey	f.c. yellow		
Ginkgo - <i>Ginkgo biloba</i>	5	pyramidal	20	med.	slow	long	adaptable to urban sites	med.					f.c. yellow	female seed smells	plant male tree only!
❖ Kentucky Coffeetree - <i>Gymnocladus dioicus</i>	5	irregular	25	open	slow	med.	prefers sandy loam, adaptable	med.			leathery pod	scaley gray	compound		leafs out late, ornamental winter form
Lacebark Elm - <i>Ulmus parvifolia</i>	6 (5)	upright vase-shape	25	med.	med.	med.	adaptable, tolerant of alkaline	med.	resistant to Dutch elm disease & elm leaf beetle		samara in fall	mottled shedding	f.c. brown to orange		holds leafs late
Small (up to 30') 25' Spacing															
❖ Bigtooth Maple - <i>Acer grandidentatum</i>	4	shrubby	20	med.	slow	med.	tolerant, dry and alkaline	low					f.c. yellow orange, red		Rocky Mtn. native
Hedge Maple - <i>Acer campestre</i>	5	oval, shrubby	20	med.	slow	med.	adaptable, tolerant of alkaline	low			winged samara	gray	f.c. yellow	low branching	
American Hornbeam - <i>Carpinus caroliniana</i>	2	round	30	dense	slow	long	deep, rich, moist	med.		red catkins	large nut	smooth gray	f.c. yellow to red		shade tolerant
Turkish Filbert - <i>Corylus colurna</i>	4	broad pyramidal	20	dense	slow	med.	adaptable	low		catkin	nut	flaky brown			
Amur Corktree - <i>Phellodendron amurense</i>	5	elliptical to broad	20	med.	slow	short	adaptable	med.			black drupe	corky gray-brown	compound, leather	fruit litter	
❖ Amur Chokecherry - <i>Prunus maackii</i>	4	round	15	dense	med.	short	adaptable, dry sites	low		white	small black cherries	orangish brown	reddish purple		don't overwater!

*The reference used for tree names is the *Manual of Woody Landscape Plants* by Michael A. Dirr

**LONGEVITY: Short 0-50 yrs./Medium 50-100 yrs.; Long 100+ yrs.



TREES OF COLORADO SPRINGS

UNSUITABLE AS STREET TREES

Many of these trees are good for yards, parks and open spaces. Some have undesirable characteristics that should be carefully considered before planting.

❖ = Xeriscape Colorado! *The reference used for tree names is the *Manual of Woody Landscape Plants* by Michael A. Dirr **LONGEVITY: Short 0-50 yrs./Medium 50-100 yrs.; Long 100+ yrs. ***Many of the pines (*Pinus*) can be approved as Street Trees with special permission. f.c. = fall color

TREE	Hard-ness Zone	PHYSICAL CHARACTERISTICS				HABITAT REQUIREMENTS	MAINTENANCE CHARACTERISTICS			ORNAMENTAL CHARACTERISTICS				Objectionable Features	Comments
		Common Name - Botanical name*	Tree Shape	Canopy Density	Rate of Growth	Longevity**	Soil Type	Irrigation Need	Insect and Disease Problems	Flowers	Fruit	Bark	Foliage		
UNSUITABLE AS STREET TREES - NOT approved street trees by City Forestry. (Many of these are good for yards, parks, and open spaces. Some of these have undesirable characteristics that should be carefully considered before planting.)															
Large (over 49')															
Silver Maple - <i>Acer saccharinum</i>	3	broad	med.	fast	med.	adaptable, but not alkaline	high	iron chlorosis sometimes		winged samara	flaky white	silver underneath	sewer, sidewalk problems, storm damage	decays when old	
Silver Poplar - <i>Populus alba</i>	4	broad, irregular	med.	fast	short	adaptable	med.	cytospora canker		catkin	smooth green to white	silver underneath	roots invasive, suckering habit, sheds	Boleana - columnar variety	
Lombardy Poplar - <i>Populus nigra 'italica'</i>	2	narrow, columnar	med.	very fast	short	very adaptable	med.	cytospora canker			smooth green to white		very short lived	often used as a hedgerow	
Cottonwood - <i>Populus spp.</i>	2	broad	med.	fast	med.-short	adaptable	med.	cytospora canker, bacterial wetwood		catkin	furrowed light gray	f.c. yellow	cotton, sheds twigs, sidewalk/sewer problems	native in stream beds (hardy), cottonless var.	
American Elm - <i>Ulmus americana</i>	2	Distinctive vase-shape	med.	med.	long	adaptable	med.	very susceptible to Dutch elm disease	fragrant	samara in spring	furrowed light gray	f.c. yellow	occasional uplift of sidewalks, Dutch elm disease	beautiful tree, not readily available	
Siberian Elm - <i>Ulmus pumila</i>	3	broad, round	med.	fast	med.	very adaptable	low	bacterial wetwood, elm leaf beetle		samara heavy spring	furrowed brown	no fall color	sheds twigs, branches, sidewalk/sewer problems	volunteer tree	
Medium (31-49')															
Box Elder - <i>Acer negundo</i>	3	broad, irregular	med.	fast	short	very adaptable	low	box elder bug, aphids (nuisance insects)		winged samara	furrowed brown-black		sheds twigs, box elder bugs, honeydew from aphids	decays when old	
Birch - <i>Betula spp.</i>	1	oblong, pendulous	open	fast	short	deep moist loam	med.	bronze birch borer (serious)		catkin	peeling white	f.c. yellow	very susceptible to dry conditions, borers	requires extra care	
Quaking Aspen - <i>Populus tremuloides</i>	1	oval	med.	fast	short	adaptable, likes moist	high	cytospora canker, oyster shell scale, leaf spot		catkin	smooth white	f.c. brilliant yellow	suckering habit, insect/disease problems	reproduces from roots	
Black Locust - <i>Robinia pseudoacacia</i>	5	broad oval	open	fast	short	very adaptable	low	black locust borer	white fragrant		furrowed black	compound	borers serious in most trees		
Willow - <i>Salix spp.</i>	1-6	broad, can be shrub form	med.	fast	short	adaptable, prefers wet soils	high	aphids, cytospora canker			yellow-orange twigs		sheds twigs, honeydew (aphid)	many species	
Small (up to 30')															
Serviceberry - <i>Amelanchier lavis</i>	5	fastigate (upright)	dense	med.	med.	coarse, sandy loams	med.			edible berry		orange-red	root suckering habit	wildlife	
❖ Russian Olive - <i>Eleagnus angustifolia</i>	3	irregular, open, tends to lean	open	fast	med.	very tolerant of gravel & alkaline	low	gumosis sometimes		hard drupe	flaky brown	silver-gray	seed litter, thorns	drought tolerant, invades drainage areas	
Crabapple (Apple) - <i>Malus spp.</i>	5	round	med.	med.	short	adaptable	med.	fireblight common	pink or white	pome	mottled brown	f.c. red to brown	fruit litter, fireblight	choose disease resistant varieties	
Newport Plum - <i>Prunus cerasifera</i>	4	round	dense	fast	short	adaptable, prefers loam	med.	peach tree borer, plum slug	pink spring	seldom fruits	dark red to black	purple-red	trunk cracking		
❖ Canada Red Cherry - <i>Prunus virginiana</i>	2	round	dense	fast	short	adaptable	low			seldom fruits			root suckering habit		
❖ Scrub Oak - <i>Quercus gambelii</i>	4	shrubby	med.	slow	long	prefers coarse soils	low	galls common, leaf roller periodically (aesthetic only)		acorn	rough brown	f.c. yellow, red	difficult to transplant, creeping root habit	don't over water, poor availability, native to foothills, extremely hardy	
European Mountain-Ash - <i>Sorbus aucuparia</i>	2	upright, oval	open	med.	short	adaptable except to very alkaline	med.	highly susceptible to fireblight	white early summer	clusters red berries	smooth orange	f.c. orange-red	fireblight	colorful ornamental	
CONIFERS*** (Many of the pines (<i>Pinus</i>) can be approved as Street Trees with special permission)															
Large (over 49')															
White Fir - <i>Abies concolor</i>	4	conical	dense	slow	long	prefers loam	med.	tussock moth sometimes		disintegrating cone	gray	bluish long needle		nice landscape tree	
Engelmann Spruce - <i>Picea engelmannii</i>	2	conical	dense	slow	long	adaptable, prefers loam	med.	spruce budworm, tussock moth sometimes		2" cone	red-brown	green needle	shallow roots	high elevation tree	
Blue Spruce - <i>Picea pungens</i>	2	conical	dense	slow	long	prefers loam	med.	tussock moth, cooley spruce gall sometimes (aesthetic only)		4" cone	red-brown	blue needle	shallow roots	beautiful landscape tree	
❖ Austrian Pine - <i>Pinus nigra</i>	4	broad oval	dense	med.	long	very adaptable	low			3" cone	platey gray	long needles	needle litter	more tolerant of urban sites than Ponderosa	
❖ Ponderosa Pine - <i>Pinus ponderosa</i>	4	broad oval	dense	med.	long	adaptable, prefers coarse	low	mountain pine beetle, dwarf mistletoe (both infrequent)		3" cone	platey red-yellow	long needles	needle litter	native to foothills	
Douglas-Fir - <i>Pseudotsuga menziesii</i>	4	conical	dense	med.	long	prefers loam	med.	tussock moth sometimes		1" cone	brown			does well on shady sites	
Medium (31-49')															
Lodgepole Pine - <i>Pinus contorta</i>	2	oval to columnar	dense	slow	long		low	mountain pine beetle, mistletoe		1" cone	gray-brown	yellow-green		high elevation tree	
Limber Pine - <i>Pinus flexilis</i>	2	broad, irregular	dense	slow	long	prefers coarse soils	low			4" cone		long needles, groups of 4-5			
Scotch Pine - <i>Pinus sylvestris</i>	3	broad, irregular	dense	med.	long	prefers loam	med.			1" cone	scaly orange-brown	light green		nice ornamental pine	
Small (up to 30')															
Upright Juniper - <i>Juniperus chinensis</i>	4	columnar	dense	med.	long	adaptable	low	spider mites sometimes		blue berry	flaky brown	scale-like		many varieties	
❖ Rocky Mountain Juniper - <i>Juniperus scopulorum</i>	4	columnar	dense	slow	long	prefers coarse soils	low			blue berry	flaky brown	scale-like		native to foothills	
❖ Bristlecone Pine - <i>Pinus aristata</i>	1	irregular	very dense	slow	long	prefers coarse, rocky soils	low			2" cone		needle groups 4-5		dense, bushy branches	
❖ Pinyon Pine - <i>Pinus edulis</i>	5	round, shrubby	dense	slow	long	prefers coarse soils	low	pitch mass borer, spindle gall (both sometimes)		1" cone	brown	short needles		don't overwater, edible seed	
UNSUITABLE AS STREET TREES - "Trees to Try" are hard to find and not commonly planted)															
Large (over 49')															
European Beech - <i>Fagus sylvatica</i>	5	oval to round, horiz. branching	dense	slow	long	prefers well-drained acidic	high			nut	smooth gray	f.c. yellow to brown	sensitive to heat, sunscald	beautiful specimen tree	
European Larch - <i>Larix decidua</i>	2	conical	open	fast	med.	moist soils, adaptable	high			1.5" cone	scaly	1" needle clusters	pollution sensitive	deciduous conifer	
Hybrid Elms - <i>Ulmus x</i>	-	broad	med.	med.	med.	adaptable	low	Dutch elm disease resistance			rough dark gray		might uplift sidewalks	Homestead, Lincoln, Regal, Sapporro	
Small (up to 30')															
Mayday Tree - <i>Prunus padus</i>	4	upright	med.	med.	med.		med.		early white		reddish		suckering habit		
Wafer Ash (Hop Tree) - <i>Ptelea trifoliata</i>	5	irregular, shrubby	med.	slow	short	adaptable	med.		fragrant white	"hop-like"	smooth gray	compound	tendency to sucker	native to S.W. Colorado	
Callery Pear - <i>Pyrus calleryana</i>	6	oval	med.	med.	short	adaptable		fireblight resistance	white	small pome	brown	f.c. red-purple	branches can split out		
Ussurian Pear - <i>Pyrus ussuriensis</i>	5	oval to elliptical	dense	med.	med.	prefers clay, adaptable	med.	fireblight possible		edible pear		f.c. reddish purple			
TREES THAT DON'T GENERALLY GROW WELL IN COLORADO SPRINGS but will in certain microclimates															
Red Maple - <i>Acer rubrum (medium)</i>	5	round	med.			prefers acid	med.	verticillium wilt sometimes		winged samara	gray	f.c. red	hasn't proven hardy here	Autumn Blaze variety to try	
Sugar Maple - <i>Acer saccharum (medium)</i>	3	broad oval	med.	slow	med.	likes acid soils	high			winged samara	platey white green		needs good site	beautiful fall color	
Eastern Redbud - <i>Cercis canadensis (small)</i>	5	round, horizontal branching	med.	slow	med.	prefers loams, tolerant of alkaline	med.		purple in spring	pod	reddish brown	f.c. yellow	very salt sensitive, cold sensitive		
Pin Oak - <i>Quercus palustris (medium)</i>	5	pyramidal	med.	slow	long	likes acid soils	high	highly susceptible to iron chlorosis		acorn	smooth gray	f.c. red	chlorosis		