

# City of Carrollton Tree Species List

- O = tree to avoid; not suitable
- Blank = may or may not be suitable
- X = good choice
- XX = excellent choice

**SPECIES COMMON NAME**

**LATIN NAME**

**CANOPY AREA FOR DEVELOPMENT CODE**

Square Feet of Canopy	Parking Lot Canopy Tree	Canopy Size Category
-----------------------	-------------------------	----------------------

**RECOMMENDED USES**

Level of Use	Large Landscape Areas	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Plazas and Downtown Settings	Buffers	Riparian Zones and Drainage Areas	Utility Corridors
--------------	-----------------------	-------------------------	-----------------------	--------------	------------------------------	---------	-----------------------------------	-------------------

**PHYSICAL CHARACTERISTICS**

Height Class in Urban Conditions	Crown Class in Urban Conditions	Mature Crown Form	Typical Range of Mature Tree Height	Typical Range of Mature Crown Width	Leaf Type	Leaf Texture	Fall Leaf Color	Flower Color	Flowering Time	Wildlife Value	Excessive Litter
----------------------------------	---------------------------------	-------------------	-------------------------------------	-------------------------------------	-----------	--------------	-----------------	--------------	----------------	----------------	------------------

**ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES**

Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerance/Limitations	Urban Tolerant Tree
-------------	-------------------	---------------------------	---------------	-------------------	-------------------	-------------------	------------------------------------	---------------------

Alder, Hazel (Tag)	<i>Alnus serrulata</i>	150		Very Small	P	XX					x	XX	X	S	VS	Multi-Stemmed	10-20	10-20	DB	M	YE	I				F	S	n/a	W	M	acidic	FS	G/	X	
Ash, Green	<i>Fraxinus pennsylvanica</i>	1,600	2	Large	P	XX	x	XX	x	x		x		L	L	Rounded	60-100	40-50	DB	M	MU	I		X		F	M	0.090	W	H	sl ac-sl alk	FS	G/		
Ash, White	<i>Fraxinus americana</i>	1,600	2	Large	P	XX	x	XX	x	x		x		L	L	Rounded	50-80	30-60	DB	M	MA	I		X		M	M	0.100	M	L	sl ac-sl alk	FS	M/IS		
Baldcypress	<i>Taxodium distichum</i>	900	2	Medium	P	x		XX	x		XX	XX		L	M	Pyramidal	50-100	20-50	DC	F	BR	I		X		M	L	0.032	M	H	ac-sl-alk	FS	G/	X	
Basswood, American (Linden)	<i>Tilia americana</i>	1,600		Large	C	x						x		M	L	Irregular	60-100	35-50	DB	C	YE	Y	Su	X		F	M	0.144	M	L	ac-alk	PS	P/A		
Beech, American	<i>Fagus grandifolia</i>	1,600		Large	P	XX					0	x		L	L	Oval	80-100	50-70	DB	M	YE	I		X		S	L	0.160	M	L	acidic	FS	P/A		
Birch, River	<i>Betula nigra</i>	900	2	Medium	P	XX	x	XX	x	XX	XX	XX	0	M	M	Pyramidal	50-90	40-60	DB	F/M	YE	I				F	M	0.117	M	L	acidic	PS	G/		
Birch, River "Heritage"	<i>Betula nigra</i> "Heritage"	900	2	Medium	P	XX	x	XX	x	XX	XX	XX	0	M	M	Pyramidal	50-90	40-60	DB	F/M	YE	I				F	M	n/a	M	L	acidic	PS	n/a		
Blackgum (Tupelo)	<i>Nyssa sylvatica</i>	900	2	Medium	P	XX	x	XX	x			x		M	M	Oval	50-100	20-35	DB	M	RE	I		X		S	M	-0.053	M	M	sl ac-sl alk	FS	G/	X	
Boxelder	<i>Acer negundo</i>	900		Medium	C	x						x	0	L	M	Rounded	50-75	40-50	DB	M	YE	I		X		F	S	0.036	W	M	adapt	FS	G/		
Buckeye, Bottlebrush	<i>Aesculus parviflora</i>	150		Very Small	P								x	S	VS	Multi-Stemmed	15-20	10-15	DB	M	YE	W	Su	X		M	S	n/a	M	L	ac-adapt	SH	n/a		
Buckeye, Painted	<i>Aesculus sylvatica</i>	150		Very Small	P	x							x	S	VS	Rounded	15-25	5-15	DB	M	YE	P/Y	Sp	X		M	S	n/a	M	L	ac-adapt	SH	n/a		
Buckeye, Red	<i>Aesculus pavia</i>	150		Very Small	P									S	VS	Rounded	10-15	10-15	DB	M	YE	R	Sp	X		M	S	n/a	M	L	ac	PS	M/I		
Buckthorn, Carolina	<i>Rhamnus caroliniana</i>	900	1	Medium	P	x	x	x	x				x	M	M	Oval	30-40	10-30	DB	M	OR	I		X		M	S	n/a	M	M	ac-alk	FS	M/IS		
Buckthorn, Common	<i>Rhamnus cathartica</i>	900	1	Medium	L				x				x	S	M	Rounded	20-25	20-25	DB	M	YE	I		X		M	S	n/a	M	H	adapt	FS	n/a	X	
Buttonbrush, Common	<i>Cephalanthus occidentalis</i>	150		Very Small	P	x							x	S	VS	Multi-Stemmed	10-15	10-15	DB	M	YE	W	Late Su	X		M	S	n/a	W	L	n/a	FS	G/I		
Catalpa, Southern	<i>Catalpa bignonioides</i>	900		Medium	C	x	0		0				x	M	M	Rounded	30-40	30-40	DB	C	YE	W	Sp	X	X	F	S	0.014	M	M	sl ac-sl alk	FS	G/		
Cedar, Deodar	<i>Cedrus deodara</i>	900		Medium	L	x								L	M	Pyramidal	40-100	40-100	EC	F	EV	I				M	L	-0.031	D	H	ac-sl-alk	FS	g		
Cedar, Japanese	<i>Cyptomeria japonica</i>	900		Medium	L	x		x				x		L	M	Pyramidal	40-60	15-20	EC	F	EV	I				S	M	0.084	M	H	ac	FS	n/a	X	
Chastetree (Vitex)	<i>Vitex agnus-castus</i>	150		Very Small	P		x	x	x	x			x	S	VS	Multi-Stemmed	15-20	10-20	DB	M	I	B/LM	Su	X		M	S	n/a	D	H	ac-alk	FS	n/a	X	
Cherry, Black	<i>Prunus serotina</i>	900		Medium	C	x		x					x	L	M	Oval	50-90	15-50	DB	M	YE	W	Early Sp	X		F	M	0.083	M	M	sl ac	FS	M/I		
Cherrylaurel, Carolina	<i>Prunus caroliniana</i>	900		Medium	C		0	x	0	0	XX	0		M	M	Oval	20-40	15-25	EB	M	EV	W	Sp	X		M	M	n/a	M	H	ac-sl alk	FS	G/	X	
Cherry, Japanese Flowering	<i>Prunus serrulata</i>	400		Small	L			x		x	XX		XX	S	S	Rounded	20-30	20-30	DB	M	OR	P/W	Sp			F	S	0.013	M	L	ac-alk	FS	n/a		
Cherry, Yoshino	<i>Prunus x yedoensis</i>	400		Small	L			XX		XX	XX		XX	S	S	Rounded	20-45	20-40	DB	M	YE	P/W	Sp	X		F	S	n/a	M	L	ac	FS	n/a		
Chestnut, American	<i>Castanea dentata</i>	1,600		Large	N	susceptible to chestnut blight							L	L																					
Chestnut, Chinese	<i>Castanea mollissima</i>	1,600		Large	P	x		x						L	L	Rounded	40-60	40-60	DB	M	BR	W	Su	X		S	L	n/a	D	M	ac-sl alk	FS	n/a	X	
Chinaberry	<i>Melia azedarach</i>	900		Medium	N	weed tree, brittle wood							M	M																					
Chinquapin, Allegheny	<i>Castanea pumila</i>	400		Small	C	x								S	S	Rounded	10-25	10-25	DB	M	BR	I		X		S	S	n/a	D	H	n/a	FS	P/P		
Cottonwood, Eastern	<i>Populus deltoides</i>	1,600	2	Large	C	x			x		0	x		L	L	Pyramidal	50-100	20-75	DB	C	YE	I		X	X	F	M	-0.708	M	M	sl ac-sl alk	FS	G/	X	
Crabapple, Japanese Flowering	<i>Malus floribunda</i>	400		Small	L		x	x		x	XX		XX	S	S	Rounded	15-25	15-25	DB	M	YE	P	Sp	X		M	S	n/a	M	L	sl ac-sl alk	FS	n/a		
Crabapple, Southern	<i>Malus angustifolia</i>	400		Small	C	x	x	x					x	S	S	Spreading	20-25	10-20	DB	M	YE	P	Sp	X	X	M	S	n/a	M	L	sl ac-sl alk	FS	M/ICP		
Crapemyrtle, Common	<i>Lagerstroemia indica</i>	150		Very Small	P		XX	XX	XX	xx	XX	0	XX	S	VS	Multi-Stemmed	15-30	10-25	DB	F	RE	M	Su			F	M	0.004	M	H	ac-sl alk	FS	n/a	X	
Cypress, Leyland	<i>Cupressocyparis leylandii</i>	400		Small	L	x	0	x	x				0	M	S	Pyramidal	50-60	20-30	EC	F	EV	I				F	M	0.053	M	M	ac-alk	FS	g		
Devil's Walking Stick	<i>Aralia spinosa</i>	150		Very Small	N	large thorns							S	VS																					
Devilwood	<i>Osmanthus americanus</i>	400		Small	C	x		x						S	S	Rounded	15-25	10-15	DB	M	YE	W	Sp	X		M	M	n/a	M	M		PS	M/I		
Dogwood, Flowering	<i>Cornus florida</i>	400		Small	P	XX	XX	XX	0	0	XX		XX	S	S	Spreading	15-30	15-30	DB	M	RE	W	Sp	X		M	M	0.021	M	L	ac-nu	PS	M/IP		
Dogwood, Flowering Pink	<i>Cornus florida var. rubra</i>	400		Small	P	XX	XX	XX	0	0	XX		x	S	S	Spreading	15-30	15-30	DB	M	RE	P	Sp	X		M	M	n/a	M	L	n/a	PS	n/a		
Dogwood, Kousa	<i>Cornus kousa</i>	400		Small	P		x	x					x	S	S	Rounded	10-20	10-20	DB	M	RE	W	Sp	X		S	S	n/a	M	L	ac	PS	n/a		
Dogwood, Swamp	<i>Cornus sticta</i>	400		Small	C	x							x	S	S	Rounded	10-25	10-25	DB	M	RE	W	Sp	X		S	S	n/a	W	L	n/a	PS	G/I		
Elm, American	<i>Ulmus americana</i>	1,600		Large	C	x		x					x	L	L	Upright	50-100	30-70	DB	M	YE	I		X		M	M	0.143	M	H	sl ac-sl alk	FS	M/P		
Elm, Chinese (Lace Bark)	<i>Ulmus parvifolia</i>	900	1	Medium	L	0	XX	XX	XX	XX	0	0		M	M	Upright	40-60	30-50	DB	F/M	YE	I				F	M	0.058	M	H	sl ac-sl alk	FS	n/a	X	
Elm, Siberian	<i>Ulmus pumila</i>	900		Medium	N	pest susceptible; weed tree							L	M																					

# City of Carrollton Tree Species List

O = tree to avoid; not suitable  
 Blank = may or may not be suitable  
 X = good choice  
 XX = excellent choice

## SPECIES COMMON NAME

## LATIN NAME

### CANOPY AREA FOR DEVELOPMENT CODE

Square Feet of Canopy	Parking Lot Canopy Tree	Canopy Size Category
-----------------------	-------------------------	----------------------

### RECOMMENDED USES

Level of Use	Large Landscape Areas	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Plazas and Downtown Settings	Buffers	Riparian Zones and Drainage Areas	Utility Corridors
--------------	-----------------------	-------------------------	-----------------------	--------------	------------------------------	---------	-----------------------------------	-------------------

### PHYSICAL CHARACTERISTICS

Height Class in Urban Conditions	Crown Class in Urban Conditions	Mature Crown Form	Typical Range of Mature Tree Height	Typical Range of Mature Crown Width	Leaf Type	Leaf Texture	Fall Leaf Color	Flower Color	Flowering Time	Wildlife Value	Excessive Litter
----------------------------------	---------------------------------	-------------------	-------------------------------------	-------------------------------------	-----------	--------------	-----------------	--------------	----------------	----------------	------------------

### ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES

Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerance/Limitations	Urban Tolerant Tree
-------------	-------------------	---------------------------	---------------	-------------------	-------------------	-------------------	------------------------------------	---------------------

Elm, Slippery	<i>Ulmus rubra</i>	1,600		Large	C	x	x	x																														
Elm, Winged	<i>Ulmus alata</i>	1,600	1	Large	P	XX	XX	XX	XX																													
Flametree, Chinese (Bougainvillea)	<i>Koelreuteria bipinnata</i>	400	1	Small	P			x																														
Fringetree (Grancy Gray Beard)	<i>Chionanthus virginicus</i>	150		Very Small	P	x	x	x				x																										
Fringetree, Chinese	<i>Chionanthus retusus</i>	150		Very Small	P		x	x				x																										
Ginkgo (Female)	<i>Ginkgo biloba</i>	1,600		Large	L	x	0	x	0	0	0																											
Ginkgo (Male)	<i>Ginkgo biloba</i>	1,600	1	Large	P	x	XX	XX	x	XX	0																											
Goldenraintree	<i>Koelreuteria paniculata</i>	400	1	Small	P		x	x	x	x	x																											
Hackberry, Common	<i>Celtis occidentalis</i>	1,600		Large	C	x		x																														
Hackberry, Georgia	<i>Celtis tenuifolia</i>	1,600		Large	C	x		x																														
Hawthorne, Washington	<i>Crataegus phaenopyrum</i>	400		Small	P		x	x		x																												
Hemlock, Eastern	<i>Tsuga canadensis</i>	1,600		Large	N	not heat tolerant; out of range																																
Hickory, Bitternut	<i>Carya cordiformis</i>	1,600		Large	C	x	0	x	0	0																												
Hickory, Mockernut	<i>Carya tomentosa</i>	1,600		Large	C	x	0	x	0	0																												
Hickory, Pignut	<i>Carya glabra</i>	1,600		Large	C	x	0	x	0	0																												
Hickory, Sand	<i>Carya pallida</i>	1,600		Large	C	x	0	x	0	0																												
Hickory, Shagbark	<i>Carya ovata</i>	1,600		Large	C	x	0	x	0	0																												
Hickory, Southern Shagbark	<i>Carya ovata var. australis</i>	1,600		Large	C	x	0	x	0	0																												
Holly, American	<i>Ilex opaca</i>	150		Very Small	P	x		XX	x		XX																											
Holly, Deciduous (Possumhaw)	<i>Ilex decidua</i>	150		Very Small	C	x		x																														
Holly, Fosters	<i>Ilex x attenuata 'Fosteri'</i>	150		Very Small	P			x	x	x	x																											
Holly, Ornamental Variety	<i>Ilex species</i>	150		Very Small	L			x	x	x	x																											
Holly, Savannah	<i>Ilex x attenuata 'Savannah'</i>	150		Very Small	P	x		x	x	x	x																											
Holly, Yaupon	<i>Ilex vomitoria</i>	150		Very Small	P		x	x	x	x																												
Honeylocust	<i>Gleditsia triacanthos</i>	900		Medium	C	x		x	0	0																												
Hophornbeam, American	<i>Ostrya virginiana</i>	900	1	Medium	P	x		x	x																													
Hornbeam, Am. (Ironwood, Blue Beech)	<i>Carpinus caroliniana</i>	900	1	Medium	P	XX	XX	XX	x	XX	XX	XX																										
Hornbeam, European	<i>Carpinus betulus</i>	900	1	Medium	P		XX	XX	XX	XX	x																											
Hornbeam, Japanese	<i>Carpinus japonica</i>	400		Small	L		x	x	x	x	x																											
Katsuratree	<i>Cercidiphyllum japonicum</i>	900	1	Medium	L	x		x	x																													
Locust, Black	<i>Robinia pseudoacacia</i>	900		Medium	C	x			0	0																												
Magnolia, Cucumber	<i>Magnolia acuminata</i>	1,600		Large	C	x		x	0																													
Magnolia, Japanese (Saucer)	<i>Magnolia x soulangiana</i>	900		Medium	L			x	0																													
Magnolia, Southern	<i>Magnolia grandiflora</i>	1,600		Large	P	XX		XX	0		XX																											
Magnolia, Southern 'Little Gem'	<i>Magnolia grandiflora 'Little Gem'</i>	150		Very Small	P			x	0		x																											
Magnolia, Star	<i>Magnolia stellata</i>	150		Very Small	L		x	x																														
Magnolia, Sweetbay	<i>Magnolia virginiana</i>	900	2	Medium	P	XX		x	x		XX	XX																										
Maple, Amur	<i>Acer ginnala</i>	400		Small	P		x	x																														
Maple, Chalk	<i>Acer leucoderme</i>	900	1	Medium	P	x	x	x	x		x																											
Maple, Hedge	<i>Acer campestre</i>	900	1	Medium	P		x	x	x		x																											
Maple, Japanese	<i>Acer palmatum</i>	400		Small	L	0		x	0																													
Maple, Norway	<i>Acer platanoides</i>	900		Medium	N	pest susceptible																																



# City of Carrollton Tree Species List

SPECIES COMMON NAME		CANOPY AREA FOR DEVELOPMENT CODE		RECOMMENDED USES								PHYSICAL CHARACTERISTICS										ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES														
		Square Feet of Canopy	Parking Lot Canopy Tree	Canopy Size Category	Level of Use	Large Landscape Areas	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Plazas and Downtown Settings	Buffers	Riparian Zones and Drainage Areas	Utility Corridors	Height Class in Urban Conditions	Crown Class in Urban Conditions	Mature Crown Form	Typical Range of Mature Tree Height	Typical Range of Mature Crown Width	Leaf Type	Leaf Texture	Fall Leaf Color	Flower Color	Flowering Time	Wildlife Value	Excessive Litter	Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerance/Limitations	Urban Tolerant Tree		
O = tree to avoid; not suitable																																				
Blank = may or may not be suitable																																				
X = good choice																																				
XX = excellent choice																																				
Maple, Red	<i>Acer rubrum</i>	900	2	Medium	P	XX	XX	XX	x	XX	XX	XX	0	M	M	Rounded	40-90	20-35	DB	M	RE	R	Late Wi	X		F	L	0.084	M	L	sl ac	FS	G/			
Maple, Silver	<i>Acer saccharinum</i>	1,600		Large	L	0		x	0	0				L	L	Rounded	50-80	40-60	DB	M	YE	I			F	S	0.084	M	H	ac	FS	P/A				
Maple, Southern Sugar (Florida Sugar)	<i>Acer barbatum</i>	900	1	Medium	P	XX	x	XX	x	XX	XX	x		M	M	Rounded	40-70	25-60	DB	M	OR	I			M	M	n/a	M	H	ac	FS	M/IS	X			
Maple, Sugar	<i>Acer saccharum</i>	1,600	2	Large	P	XX	XX	XX	x			x	0	L	L	Oval	60-80	30-50	DB	M	OR	I	X		M	L	0.100	M	M	sl ac-sl alk	PS	pm				
Maple, Sugar 'Green Mountain'	<i>Acer saccharum 'Green Mountain'</i>	1,600	2	Large	P	XX	XX	XX	x				0	L	L	Oval	60-80	30-50	DB	M	OR	I	X		F	L	0.100	M	M	sl ac-sl alk	PS	n/a				
Maple, Sugar 'Legacy'	<i>Acer saccharum 'Legacy'</i>	1,600	2	Large	P	XX	XX	XX	x				0	L	L	Oval	60-80	30-50	DB	M	OR	I	X		F	L	0.100	M	M	sl ac-sl alk	PS	n/a				
Maple, Trident	<i>Acer buergeranum</i>	400	1	Small	P	0	XX	XX	XX	XX	XX		XX	S	S	Rounded	20-45	20-30	DB	M	MU	I			F	M	n/a	M	M	ac-alk	FS	n/a	X			
Mimosa	<i>Albizia julibrissin</i>	900		Medium	N	pest susceptible; weed tree							M	M																						
Mulberry, Red	<i>Morus rubra</i>	900		Medium	C	x	0		0	0		x		L	M	Rounded	40-70	20-50	DB	C	YE	I	X	X	F	S	0.099	M	H	sl ac-sl alk	FS	G/				
Oak, Black	<i>Quercus velutina</i>	1,600	2	Large	C	x		x	x			x		L	L	Rounded	70-90	50-60	DB	M	RE	I	X		M	L	-0.253	D	H	sl ac	FS	G/				
Oak, Cherrybark	<i>Quercus faicata var. pagodifolia</i>	1,600	2	Large	P	x		x	x			x		L	L	Rounded	60-100	30-50	DB	M	RE	I	X		M	L	n/a	M	M	ac	FS	G/				
Oak, Chestnut	<i>Quercus prinus</i>	1,600		Large	P	x	0	XX	0	0		0		L	L	Rounded	50-80	30-60	DB	M	RE	I	X	X	S	L	-0.342	D	H	acidic	FS	GM/S				
Oak, Diamond Leaf (Laurel)	<i>Quercus laurifolia</i>	1,600		Large	P	x	x	x						L	L	Rounded	60-80	50-60	DB	M	YE	I	X		M	L	n/a	M	M	ac-sl alk	FS	G/				
Oak, English	<i>Quercus robur</i>	1,600		Large	L		x	x						L	L	Rounded	40-60	40-60	DB	M	BR	I	X		S	M	-0.274	M	M	sl ac-sl alk	FS	n/a				
Oak, Georgia	<i>Quercus georgiana</i>	1,600		Large	C	x		x						L	L	Rounded	20-40	10-30	DB	M	BR	I	X		M	M	n/a	D	H	ac-alk	FS	n/a				
Oak, Laurel	<i>Quercus hemisphaerica</i>	1,600	1	Large	P	x	x	x	x					L	L	Rounded	60-90	50-60	DB	M	BR	I	X		F	M	-0.314	D	H	adapt	FS	n/a				
Oak, Laurel 'Darlington'	<i>Quercus hemisphaerica 'Darlington'</i>	1,600	1	Large	P	x	XX	XX	x					L	L	Rounded	60-90	50-60	DB	F	BR	I	X		F	M	n/a	D	H	adapt	FS	n/a				
Oak, Live	<i>Quercus virginiana</i>	1,600		Large	N	out of range							L	L																						
Oak, Northern Red	<i>Quercus rubra</i>	1,600	2	Large	P	XX	x	XX	x					L	L	Rounded	60-100	30-60	DB	M	RE	I	X		F	L	-0.503	M	M	ac-sl ac	FS	GM/SC				
Oak, Nuttall	<i>Quercus nuttalli</i>	1,600	1	Large	P	x	x	x	x					L	L	Rounded	60-80	35-50	DB	M	RE	I	X		M	L	n/a	M	M	ac	FS	n/a				
Oak, Oglethorpe	<i>Quercus oglethorpensis</i>	1,600		Large	C	x	x	x						M	L	Rounded	40-70	30-50	DB	M	RE	I	X		S	M	n/a	W	M	n/a	FS	n/a				
Oak, Overcup	<i>Quercus lyrata</i>	1,600	2	Large	P	XX	XX	XX	x			x		L	L	Rounded	30-45	30-45	DB	M	BR	I	X		M	L	-0.159	W	M	ac-sl alk	FS	G/				
Oak, Pin	<i>Quercus palustris</i>	1,600		Large	L	0	x	x	0	0		0		L	L	Pyramidal	40-100	20-50	DB	M	RE	I	X		M	M	-0.483	M	M	acidic	FS	mg				
Oak, Post	<i>Quercus stellata</i>	1,600		Large	C	x	x	XX						L	L	Rounded	40-50	35-40	DB	M/C	BR	I	X		M	L	-0.327	D	H	ac-sl alk	FS	G/				
Oak, Sawtooth	<i>Quercus acutissima</i>	1,600		Large	L	0	0	x	0	0		0		M	L	Oval	50-60	30-60	DB	M	YE	I	X	X	F	M	-0.159	M	M	ac-sl alk	FS	n/a				
Oak, Scarlet	<i>Quercus coccinea</i>	1,600	2	Large	P	XX	XX	XX	x					L	L	Rounded	50-80	30-50	DB	M	RE	I	X		M	L	-0.592	D	H	sl ac	FS	G/				
Oak, Shumard	<i>Quercus shumardii</i>	1,600	1	Large	P	XX	XX	XX	XX	XX				L	L	Rounded	60-100	30-70	DB	M	RE	I	X		F	L	-0.265	M	H	ac-alk	FS	G/				
Oak, Southern Red	<i>Quercus falcata</i>	1,600	2	Large	P	XX	x	XX	x			x		L	L	Rounded	60-100	30-70	DB	M	OR	I	X		M	L	-0.576	M	H	ac	FS	G/				
Oak, Swamp Chestnut	<i>Quercus michauxii</i>	1,600		Large	P	x	0	x	0	0		x		L	L	Oval	70-90	30-60	DB	M	YE	I	X		M	L	-0.544	M	M	n/a	FS	G/				
Oak, Swamp White	<i>Quercus bicolor</i>	1,600		Large	P	x	x	x				x		L	L	Oval	70-90	30-60	DB	M	YE	I	X		M	L	-0.457	M	M	n/a	FS	G/				
Oak, Water	<i>Quercus nigra</i>	1,600		Large	P	XX	x	XX				XX	0	L	L	Rounded	50-100	30-70	DB	M	YE	I	X		F	M	-0.451	M	M	ac-sl alk	FS	G/				
Oak, White	<i>Quercus alba</i>	1,600		Large	P	XX	x	XX						L	L	Rounded	60-100	30-80	DB	M	RE	I	X		S	L	-0.348	M	M	acidic	FS	GM/S				
Oak, Willow	<i>Quercus phellos</i>	1,600	1	Large	P	XX	XX	XX	XX	XX	0	XX	0	L	L	Rounded	40-100	30-60	DB	F/M	YE	I	X		F	L	-0.314	M	H	acidic	FS	GM/S	X			
Orange, Osage	<i>Maclura pomifera</i>	900		Medium	L	x	0	x	0	0		0		M	M	Spreading	30-40	30-40	DB	M/C	YE	I	X		F	L	0.000	D	H	sl ac-sl alk	FS	n/a	X			
Parrotia	<i>Parrotia persica</i>	400		Small	L		x	x				x		S	S	Rounded	20-40	20-35	DB	M	OR	R	Sp	X	X	F	S	n/a	M	M	ac-sl alk	FS	n/a			
Pear, Bradford	<i>Pyrus calleryana 'Bradford'</i>	900		Medium	N	defective branch structure							M	M																						
Pear, Callery Variety	<i>Pyrus calleryana</i>	900		Medium	N	defective branch structure							M	M																						
Pecan	<i>Carya illinoensis</i>	1,600		Large	P	x	0	x	0	0	0			L	L	Upright	60-100	30-75	DB	M/C	YE	I	X	X	S	M	0.088	M	L	sl ac-sl alk	FS	mg				
Persimmon, Common	<i>Diospyros virginiana</i>	900		Medium	P	x	0	x	0	0		x		L	M	Oval	70-80	40-60	DB	M	RE	I	X	X	M	S	0.058	M	H	ac-alk	FS	G/P	X			
Pine, Eastern White	<i>Pinus strobus</i>	1,600		Large	N	pest susceptible; not heat tolerant							L	L																						
Pine, Loblolly	<i>Pinus taeda</i>	1,600		Large	P	XX	x	x	XX		XX	x	0	L	L	Pyramidal	80-100	20-40	EC	F	EV	I	X		F	M	0.016	M	M	acidic	FS	G/				
Pine, Longleaf	<i>Pinus palustris</i>	1,600		Large	C			x	x		x	0		L	L	Pyramidal	60-100	20-40	EC	F	EV	I	X		L	L	0.010	M	H	ac-sl alk	FS	GM/C				

# City of Carrollton Tree Species List

SPECIES COMMON NAME		CANOPY AREA FOR DEVELOPMENT CODE			RECOMMENDED USES								PHYSICAL CHARACTERISTICS										ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES													
		Square Feet of Canopy	Parking Lot Canopy Tree	Canopy Size Category	Level of Use	Large Landscape Areas	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Plazas and Downtown Settings	Buffers	Riparian Zones and Drainage Areas	Utility Corridors	Height Class in Urban Conditions	Crown Class in Urban Conditions	Mature Crown Form	Typical Range of Mature Tree Height	Typical Range of Mature Crown Width	Leaf Type	Leaf Texture	Fall Leaf Color	Flower Color	Flowering Time	Wildlife Value	Excessive Litter	Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerance/Limitations	Urban Tolerant Tree		
O = tree to avoid; not suitable																																				
Blank = may or may not be suitable																																				
X = good choice																																				
XX = excellent choice																																				
Pine, Shortleaf	<i>Pinus echinata</i>	1,600		Large	P	XX	x	x	x		x	x	0	L	L	Pyramidal	60-100	20-40	EC	F	EV	I		X		M	L	0.008	M	H	ac	PS	GM/P			
Pine, Slash	<i>Pinus elliotii</i>	1,600		Large	C			x	x		x	0		L	L	Pyramidal	60-100	20-50	EC	F	EV	I		X		F	M	0.010	M	M	ac-sl alk	FS	G/			
Pine, Virginia	<i>Pinus virginiana</i>	900		Medium	P	x		x	x		XX	x		M	M	Pyramidal	15-70	10-35	EC	F	EV	I		X		F	S	0.003	M	H	ac	FS	G/	X		
Pistache, Chinese	<i>Pistacia chinensis</i>	900	1	Medium	P		x	XX	XX	x	x	0		M	M	Rounded	60-80	40-50	DB	M	RE	G	SP	X		M	M	n/a	M	H	ac-alk	FS	n/a	X		
Planetree, London	<i>Platanus x acerifolia</i>	1,600	2	Large	P	x	XX	XX	XX					L	L	Irregular	60-100	20-80	DB	C	YE	I				F	M	-0.415	M	H	sl ac-sl alk	FS	pg	X		
Plum, Chickasaw	<i>Prunus angustifolia</i>	150		Very Small	C	x	0	x			x	x		S	VS	Rounded	10-20	10-20	DB	F	I	W	Late Wi	X		M	S	n/a	M	H	sl ac-sl alk	FS	M/IS			
Plum, Purpleleaf	<i>Prunus cerasifera</i>	400		Small	L		x	x			XX		x	S	S	Rounded	10-25	10-25	DB	F	RE	P/W	Sp	X		M	S	0.014	M	M	sl ac-sl alk	FS	mg			
Poplar, Lombardy	<i>Populus nigra var. italica</i>	900		Medium	N	not heat tolerant																														
Poplar, White	<i>Populus alba</i>	900		Medium	C			x						L	M	Oval	40-100	20-60	DB	C	YE	I				F	M	-0.417	M	H	ac-alk	FS	n/a			
Poplar, Yellow (Tuliptree)	<i>Liriodendron tulipifera</i>	1,600	2	Large	P	XX		x	x			XX	0	L	L	Oval	80-150	30-60	DB	C	YE	Y	Sp	X		M	L	0.171	M	L	sl ac	FS	P/IS			
Redbud, Eastern	<i>Cercis canadensis</i>	400		Small	P	XX	XX	XX		XX	XX	x	XX	S	S	Spreading	25-50	15-25	DB	M	YE	P	Sp	X		F	S	0.012	M	M	ac-sl ac	PS	M/S			
Redbud, Eastern White	<i>Cercis canadensis var. alba</i>	400		Small	P	x	XX	XX		XX	x	x	XX	S	S	Spreading	20-30	15-25	DB	M	YE	W	Sp	X		F	S	n/a	M	M	ac-sl ac	PS	n/a			
Redbud, 'Forest Pansy'	<i>Cercis canadensis 'Forest Pansy'</i>	400		Small	P	x	XX	XX		XX	x	x	XX	S	S	Spreading	20-30	15-25	DB	M	YE	P	Sp	X		F	S	n/a	M	L	ac-sl ac	PS	n/a			
Redbud 'Oklahoma'	<i>Cercis reniformis 'Oklahoma'</i>	400		Small	P		XX	XX	x	XX			XX	S	S	Rounded	20-25	15-20	DB	M	YE	P	Sp	X		M	S	n/a	D	H	ac-sl ac	FS	n/a	X		
Redbud, 'Texas White'	<i>Cercis reniformis 'Texas White'</i>	400		Small	P		XX	XX	x	XX			XX	S	S	Rounded	20-25	15-20	DB	M	YE	W	Sp	X		M	S	n/a	D	H	ac-sl ac	FS	n/a			
Redcedar, Eastern	<i>Juniperus virginiana</i>	900		Medium	P	x		XX	x		XX	x	0	M	M	Pyramidal	40-60	10-20	EC	F	EV	I		X		S	M	-0.010	M	H	ac-nu	FS	M/IS			
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>	900		Medium	P	x		XX	x		XX			L	M	Pyramidal	75-100	25-30	DC	F	BR	I				F	L	0.163	M	M	n/a	FS	n/a	X		
Royal Paulownia (Princess-Tree)	<i>Paulownia tomentosa</i>	900		Medium	L		0	x	0	0		0		M	M	Irregular	30-5	20-50	DB	C	YE	P	Sp	X		F	S	0.022	M	M	ac-sl alk	FS	g			
Sassafras	<i>Sassafras albidum</i>	900		Medium	C	x		x			x	x		M	M	Oval	30-60	20-40	DB	M	OR	Y	Sp	X		M	M	0.069	M	H	sl ac	FS	G/			
Serviceberry, Downy	<i>Amelanchier arborea</i>	400		Small	P	XX	XX	XX		XX	XX	x	x	S	S	Irregular	15-40	10-20	DB	M	OR	W	Sp	X		S	M	0.004	M	M	acidic	PS	M/IS			
Silverbell, Carolina	<i>Halesia carolina</i>	900	2	Medium	P	XX	x	x	x			x		M	M	Irregular	30-60	20-35	DB	M	YE	W	Sp			M	M	n/a	M	L	ac-sl alk	PS	M/ISC			
Smoketree, American	<i>Cotinus obovatus</i>	150		Very Small	L			x					x	S	VS	Oval	15-30	10-25	DB	M	MU	P	Sp			M	S	n/a	D	H	sl-ac-sl alk	PS	n/a	X		
Smoketree, Common	<i>Cotinus coggygria</i>	150		Very Small	L			x					x	S	VS	Oval	10-15	10-15	DB	M	MU	P	Late Sp			M	S	n/a	D	H	sl-ac-sl alk	FS	n/a	X		
Sourwood	<i>Oxydendrum arboreum</i>	900	2	Medium	C	XX		x	x					M	M	Spreading	30-60	20-30	DB	M	RE	W	Su			M	S	0.018	M	M	ac-sl alk	FS	P/A			
Sparkleberry, Tree	<i>Vaccinium arboreum</i>	150		Very Small	C			x				x	x	S	VS	Irregular	10-20	5-10	DB	F	RE	W	Late Sp	X		S	S	n/a	M	M	sl ac-sl alk	S	M/A			
Spruce Varieties	<i>Picea species</i>	900		Medium	N	not heat tolerant																														
Sugarberry	<i>Celtis laevigata</i>	1,600		Large	C	x		x			0	x		L	L	Spreading	60-80	25-60	DB	F/M	YE	I		X		M	M	0.118	M	M	ac	FS	G/I			
Sweetgum	<i>Liquidambar styraciflua</i>	1,600		Large	C	x	0	x	0	0		x		L	L	Oval	60-80	40-60	DB	M	MU	I		X	X	F	L	-0.488	M	L	sl ac	FS	G/			
Sweetgum, Fruitless	<i>Liquidambar styraciflua 'Rotundiloba'</i>	1,600	2	Large	P	x		x	x	x				L	L	Oval	50-70	35-45	DB	C	MU	I				M	M	n/a	M	L	ac-sl alk	FS	n/a			
Sycamore	<i>Plantus occidentalis</i>	1,600	2	Large	P	x		x	x			x	0	L	L	Oval	70-100	30-70	DB	C	BR	I		X		F	M	-0.789	M	M	sl a-sl alk	FS	G/			
Tallowtree, Chinese	<i>Sapim sebiferum</i>	900		Medium	N	invasive																														
Tree-of-Heaven (Ailanthus)	<i>Ailanthus altissima</i>	900		Medium	N	brittle wood; weed tree																														
Walnut, Black	<i>Juglans nigra</i>	1,600		Large	C	x	0	x	0	0		x		L	L	Rounded	60-70	50-70	DB	M	YE	I		X	X	M	L	0.086	M	L	acidic	FS	P/IS			
Waxmyrtle, Southern	<i>Myrica cerifera</i>	150		Very Small	P			x	x		x	0	x	S	VS	Multi-Stemmed	10-30	10-30	EB	F	EV	I		X		M	S	n/a	M	M	ac-alk	FS	G/			
Willow, Black	<i>Salix nigra</i>	900		Medium	C	x	0		0	0		x	0	M	M	Irregular	30-40	30-40	DB	F/M	YE	I				F	S	-0.177	W	L	n/a	FS	G/			
Willow, Weeping	<i>Salix babylonica</i>	1,600		Large	L	x	0	x	0	0			0	L	L	Rounded	30-70	20-70	DB	F/M	YE	I				F	M	-0.096	W	M	acidic	FS	mg			
Winterberry, Common	<i>Ilex verticillata</i>	150		Very Small	P	x	x	x			x	x	x	S	VS	Multi-Stemmed	5-15	5-10	DB	M	I	I		X		M	S	n/a	M	L	ac	FS	G/			
Witchhazel, Common	<i>Hamamelis virginiana</i>	400		Small	P	x		x		x		x	x	S	S	Spreading	20-35	20-35	DB	M/C	YE	Y	Fall			M	M	-0.009	M	M	sl ac	PS	M/IS			
Yellowwood, American	<i>Cladrastis kentukea</i>	900	2	Medium	L	x		x	x					M	M	Upright	30-50	40-50	DB	M/C	YE	W	Sp			M	M	0.013	M	M	n/a	PS	P/A			
Zelkova, Japanese	<i>Zelkova serrata</i>	1,600	1	Large	L			x	x	x		0	0	L	L	Upright	40-80	30-75	DB	M	RE	I				M	M	0.084	M	H	ac-sl alk	FS	n/a	X		