

Decatur Tree Species List

The **Decatur Tree Species List** is intended to support, site planning and design activities for tree conservation and establishment, and tree maintenance planning and decision-making. In the list trees are arranged alphabetically by the tree's common name with the "genus" listed first. For example, red maple is listed as "Maple, Red" (maple is the genus name). The Latin name is also listed for more definitive species identification. In some cases, the commonly planted variety or cultivar of the species has also been included apart from the species.

Key to Symbols and Tree Species Characteristic Descriptions

TREE CHARACTERISTIC	DESCRIPTION and ENTRY CHOICES
Species Common Name	Entered with genus common name first, then species, then cultivar if applicable. For some species an alternate common name is included in parentheses.
Latin Name	Genus, species, and variety or cultivar; always italicized or underlined.
CANOPY AREA FOR DEVELOPMENT CODE	
Square Feet of Canopy	The total area projection of the crown onto the ground in square feet as typically achieved in urban situations with less than optimal growing conditions.
Parking Lot Canopy Tree	Trees approved for planting in parking lots. 1 = trees that will project significant shade, intercept enough water, substantially filter out pollutants, and survive the conditions within a parking area to the extent they could be considered a "canopy" tree. 2 = the same as 1, except these trees are ONLY appropriate for large, expanded tree islands or landscape strips, swales, or moist soil conditions with plenty of rooting space.
Canopy Size Category	Very Small - 150 square feet with a 12 foot crown diameter <i>The minimum open soil surface area is 25 sq. ft.</i> Small – 250 square feet with a 15 foot crown diameter <i>The minimum open soil surface area is 100 sq. ft.</i> Medium – 500 square feet with a 25 foot crown diameter <i>The minimum open soil surface area is 225 sq. ft.</i> Large – 1,000 square feet with a 35 foot crown diameter <i>The minimum open soil surface area is 400 sq. ft.</i>
RECOMMENDED USES	
Level of Use	The level of use that the tree should receive. P = Plant New Trees and Conserve Existing Trees C = Conserve Existing Trees L = For Limited Planting or Conservation Only N = Do Not Plant
Large Landscape Areas Road Frontages – Street Road Frontages – Yard Parking Lots Plazas and Downtown Settings Riparian Zones and Drainage Areas Utility Corridors	Recommendations on the site situation where the tree may be planted and/or conserved; locations where the tree would adapt well. O = tree to avoid; not suitable Blank = may or may not be suitable x = good choice XX = excellent choice

TREE CHARACTERISTIC	DESCRIPTION and ENTRY CHOICES
PHYSICAL CHARACTERISTICS	
Height Class in Urban Conditions	<p>Height class (ground to tip of leader or tallest branch) of a mature tree commonly achieved in urban situations with less than optimal growing conditions.</p> <p>S = Small: 15-25 feet M = Medium: 25-40 feet L = Large: 40 feet and taller</p>
Crown Class in Urban Conditions	<p>The width of the crown (at its widest point) commonly achieved in urban situations with less than optimal growing conditions.</p> <p>VS = Very Small (150 square feet with a 12 foot crown diameter) S = Small (250 square feet with a 15 foot crown diameter) M = Medium (500 square feet with a 25 foot crown diameter) L = Large (1,000 square feet with a 35 foot crown diameter)</p>
Mature Crown Form	<p>General shape of the tree crown (leaves and branches) when fully leafed out.</p> <p>Irregular Multi-Stemmed Oval (Columnar) Pyramidal Rounded Spreading Upright (Vase)</p>
Typical Range of Mature Tree Height	<p>Typical range of height of tree in feet from ground to bud at tip of leader or tallest branch under various conditions.</p>
Typical Range of Mature Crown Width	<p>Typical range of spread of branches in feet at the widest diameter across the crown under various conditions.</p>
Leaf Type	<p>Persistence and type of leaf on the tree. Deciduous trees lose their leaves in the fall.</p> <p>DB = Deciduous Broadleaf DC = Deciduous Conifer EB = Evergreen Broadleaf EC = Evergreen Conifer</p>
Leaf Texture	<p>Relative size and appearance of leaves.</p> <p>F = Fine M = Medium C = Coarse</p>
Fall Leaf Color	<p>The typical color of the tree's fall foliage.</p> <p>EV = evergreen BR = bronze or brown MA = maroon MU = multi-colored: maroon, red, orange, yellow OR = orange RE = red YE = yellow I = insignificant color change</p>

TREE CHARACTERISTIC	DESCRIPTION and ENTRY CHOICES
PHYSICAL CHARACTERISTICS (continued)	
Flower Color	<p>For trees with showy flowers, indicates the typical flower color.</p> <p>B = blue</p> <p>L = purple</p> <p>M = multiple colors: white, pink, purple, red, or others</p> <p>P = pink</p> <p>R = red</p> <p>W = white</p> <p>Y = yellow</p> <p>I = insignificant flowers: small with an unremarkable color</p>
Flowering Time	For trees with showy flowers, the general season of blooming for the species.
Wildlife Value	Indicates with an "X" if the tree produces flowers (nectar) or fruits that are consumed by insects, birds, or mammals.
Excessive Litter	Indicates with an "X" if the tree produces large or hazardous leaves, fruit, or other litter.
ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES	
Native Tree	<p>Indicates whether or not the tree is found naturally</p> <p>Y = Yes</p> <p>N = No</p>
Growth Rate	<p>Typical rate of growth under urban conditions.</p> <p>S = Slow: 1/2 to 1-1/2 feet/year</p> <p>M = Moderate: 1-1/2 to 2-1/2 feet/year</p> <p>F = Fast: 2-1/2 to 3+ feet/year</p>
Average Life Span	<p>The average life span (useful service life) of the species when growing under average urban conditions. A tree is at the end of its useful service life when its risk of failure becomes unacceptable and cannot be improved or when the tree is no longer an asset due to its appearance or condition.</p> <p>S = Short: less than 25 years useful service life.</p> <p>M = Moderate: 25 to 40 years useful service life.</p> <p>L = Large: 50 years or greater useful service life.</p>
Net Effect on Air Quality	<p>The net monetary effects in cents attributable to the species on air quality; listed as a benefit (positive) or cost (negative). Includes the species net effect on ozone, sulfur dioxide, nitrogen dioxide, particulate matter (PM10), and carbon monoxide.</p>
Soil Moisture	<p>The typical soil moisture conditions for the species in its native habitat.</p> <p>H = Hydric: wet and may be occasionally flooded for short periods</p> <p>M = Mesic: moist but moderately well- to well-drained</p> <p>X = Xeric: dry and very well-drained</p>

TREE CHARACTERISTIC	DESCRIPTION and ENTRY CHOICES
ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES (continued)	
Drought Tolerance	<p>Tolerance of the species to infrequent rain, low soil moisture, full sun, and high temperatures.</p> <p>Low = not tolerant to drought conditions</p> <p>Moderate = tolerant to mild drought conditions; moderately tolerant to severe drought conditions</p> <p>High = very tolerant to mild to severe and prolonged drought conditions</p>
Preferred Soil pH	<p>Relative soil acidity or alkalinity preferred by the species. In many cases, a range of pH preference is given if it was available. In other cases, a general level is given. A pH of 7.0 is neutral, a pH of less than 7.0 is acidic, and a pH of greater than 7.0 is alkaline.</p> <p>ac = acidic (5.0 to 6.0)</p> <p>sl ac = slightly acidic (6.0 to 7.0)</p> <p>nu = neutral (7.0)</p> <p>sl al = sl alkaline (7.0 to 8.0)</p> <p>al = alkaline (8.0 to 8.5)</p> <p>n/a = no information available</p>
Light Requirement	<p>The amount of sunlight the species prefers or will tolerate. Trees that are typically found in the understory or are characteristic of late forest successional stages prefer shade or at least partial shade, while trees that typically form the overstory or are characteristic of early successional stages prefer full sun.</p> <p>FS = Full Sun</p> <p>PS = Partial Shade</p> <p>SH = Shade</p>
Construction Tolerance/Limitations	<p>The broad tolerance of the species in its home range to construction damage, and the limitations that constrain a species tolerance to damage.</p> <p>Tolerance</p> <p>P = Poor</p> <p>M = Moderate</p> <p>G = Good</p> <p>Limitations</p> <p>I = physical injury, wood compartmentalization and decay</p> <p>P = pest complications, including chronic and acute attacks</p> <p>S = soil conditions, including aeration and water availability</p> <p>C = limited climatic tolerances, including native range, hardiness, and micro-climate change</p> <p>A = all of the limitations described above</p>
Urban Tolerant Tree	<p>Based upon other characteristics and tolerances to urban conditions; an "X" indicates the species is suitable for planting under "tough" urban conditions.</p>

City of Decatur Tree Species List

SPECIES COMMON NAME	LATIN NAME	CANOPY AREA FOR DEVELOPMENT CODE		RECOMMENDED USES				PHYSICAL CHARACTERISTICS										ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES												
		Square Feet of Canopy	Parking Lot Canopy Tree	Approved Level of Use	Large Landscape Areas	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Plazas and Downtown Settings	Barriers	Riparian Zones and Drainage Areas	Utility Corridors	Height Class in Urban Conditions	Mature Crown Form	Typical Range of Mature Tree Height	Leaf Type	Leaf Texture	Fall Leaf Color	Flowering Time	Wildlife Value	Excessive Litter	Native Tree to Athens-Clarke Co.	Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerance/Implications
Alder, Hazel (Tag)	<i>Alnus serrulata</i>	150	Very Small	P	XX	XX	XX	XX	XX	XX	XX	S	Multi-Stemmed	10-20	DB	M	YE	I				Y	F	S	n/a	W	M	acidic	FS/G	X
Ash, Green	<i>Fraxinus pennsylvanica</i>	1,600	Large	N								L	Rounded	60-100	DB	M	MA	I				Y	F	M	0.090	W	H	sl ac-sl alk	FS/G	
Ash, White	<i>Fraxinus americana</i>	1,600	Large	N								L	Rounded	50-80	DB	M	MA	I				Y	F	M	0.100	W	L	sl ac-sl alk	FS/M/S	
Baldypress	<i>Taxodium distichum</i>	900	2 Medium	P	X	XX	X	XX	XX	XX	XX	L	Pyramidal	50-100	DC	F	BR	I	Summer			N	M	L	0.032	M	H	ac-sl alk	FS/G	X
Basewood, American (Linden)	<i>Tilia americana</i>	1,600	Large	C	X	X	X	X	X	X	X	M	Irregular	60-100	35-50	DB	C	YE	Y	Summer		Y	F	M	0.144	M	L	ac-sl alk	FS/P/A	
Beech, American	<i>Fagus grandifolia</i>	1,600	Large	P	XX	XX	X	XX	XX	XX	XX	L	Oval	80-100	50-70	DB	M	YE	I			Y	S	L	0.160	M	L	acidic	FS/P/A	
Birch, River	<i>Betula nigra</i>	900	2 Medium	P	XX	XX	X	XX	XX	XX	XX	M	Pyramidal	50-90	40-60	DB	FM	YE	I			Y	F	M	0.117	M	L	acidic	FS/G	
Birch, River 'Heritage'	<i>Betula nigra 'Heritage'</i>	900	2 Medium	P	XX	XX	X	XX	XX	XX	XX	M	Pyramidal	50-90	40-60	DB	FM	YE	I			Y	F	M	n/a	M	L	acidic	FS/G	
Blackgum (Tupelo)	<i>Nyssa sylvatica</i>	900	2 Medium	P	XX	XX	X	XX	XX	XX	XX	M	Oval	50-100	20-35	DB	M	RE	I			Y	S	M	-0.053	M	M	sl ac-sl alk	FS/G	X
Boxelder	<i>Acer negundo</i>	900	Medium	C	X	X	X	X	X	X	X	L	Rounded	50-75	40-50	DB	M	YE	I	Summer		N	M	S	0.036	W	M	sl adapt	FS/G	
Buckeye, Bottlebrush	<i>Aesculus pavia</i>	150	Very Small	P	X	X	X	X	X	X	X	S	Multi-Stemmed	15-20	5-15	DB	M	YE	W	Summer		N	M	S	n/a	M	L	ac-adapt	SH/n/a	
Buckeye, Painted	<i>Aesculus sylvatica</i>	150	Very Small	P	X	X	X	X	X	X	X	S	Rounded	15-25	5-15	DB	M	YE	W	Spring		N	M	S	n/a	M	L	ac-adapt	SH/n/a	
Buckeye, Red	<i>Aesculus pavia</i>	150	Very Small	P	X	X	X	X	X	X	X	S	Rounded	10-15	10-15	DB	M	YE	R	Spring		N	M	S	n/a	M	L	ac	PS/n/a	
Buckthorn, Carolina	<i>Rhamnus caroliniana</i>	900	1 Medium	P	X	X	X	X	X	X	X	M	Oval	30-40	10-30	DB	M	OR	I			Y	M	S	n/a	M	M	ac	PS/n/a	
Buckthorn, Common	<i>Rhamnus cathartica</i>	900	1 Medium	P	X	X	X	X	X	X	X	M	Rounded	20-25	20-25	DB	M	YE	I			Y	M	S	n/a	M	M	ac	FS/n/a	
Butternut, Common	<i>Juglans nigra</i>	900	1 Medium	P	X	X	X	X	X	X	X	M	Rounded	20-25	20-25	DB	M	YE	I			Y	M	S	n/a	M	M	ac	FS/n/a	
Butternut, Southern	<i>Juglans nigra</i>	900	1 Medium	P	X	X	X	X	X	X	X	M	Rounded	10-15	10-15	DB	M	YE	W	Late Summer		Y	F	S	0.014	M	M	sl ac-sl alk	FS/G	
Butternut, Southern	<i>Juglans nigra</i>	900	1 Medium	P	X	X	X	X	X	X	X	M	Rounded	30-40	30-40	DB	C	YE	W	Spring		Y	F	S	0.014	M	M	sl ac-sl alk	FS/G	
Cedar, Decodar	<i>Cedrus deodara</i>	900	Medium	L	X	X	X	X	X	X	X	L	Pyramidal	40-100	40-100	EC	F	EV	I			N	M	L	-0.031	D	H	ac-sl alk	FS/g	
Cedar, Japanese	<i>Cryptomeria japonica</i>	900	Medium	L	X	X	X	X	X	X	X	L	Pyramidal	40-60	15-20	EC	F	EV	I			N	M	L	0.084	D	H	ac	FS/n/a	
Chastetree (Vitex)	<i>Vitex agnus-castus</i>	150	Very Small	C	X	X	X	X	X	X	X	S	Multi-Stemmed	15-20	10-20	DB	M	I	BL/M	Summer		N	M	S	n/a	D	H	ac-sl alk	FS/n/a	
Cherry, Black	<i>Prunus serotina</i>	900	Medium	C	X	X	X	X	X	X	X	L	Oval	50-90	15-50	DB	M	YE	W	Early Spring		Y	F	M	0.093	M	M	sl ac	FS/n/a	
Cherry, Black	<i>Prunus serotina</i>	900	Medium	C	X	X	X	X	X	X	X	L	Oval	20-40	15-25	DB	M	YE	W	Spring		Y	M	M	n/a	M	H	ac-sl alk	FS/G	
Cherry, Japanese Flowering	<i>Prunus serrulata</i>	400	Small	N								S	Rounded	20-30	20-30	DB	M	OR	P	Spring		N	M	M	n/a	M	H	ac-sl alk	FS/G	
Cherry, Yoshino	<i>Prunus x yedoensis</i>	400	Small	N								S	Rounded	20-45	20-40	DB	M	YE	PW	Spring		N	F	S	n/a	M	L	ac	FS/n/a	
Chestnut, American	<i>Castanea dentata</i>	1,600	Large	P	X	X	X	X	X	X	X	L	Rounded	40-60	40-60	DB	M	BR	W	Summer		Y	S	L	n/a	D	M	ac-sl alk	FS/n/a	
Chestnut, Chinese	<i>Castanea mollissima</i>	900	Medium	N								M	Rounded	10-25	10-25	DB	M	BR	I			N	S	S	n/a	D	H	n/a	FS/P/P	
Chinquapin, Allegheny	<i>Populus deltoides</i>	1,600	2 Large	C	X	X	X	X	X	X	X	L	Pyramidal	50-100	20-75	DB	C	YE	I			Y	F	M	-0.708	M	M	sl ac-sl alk	FS/P/P	
Cottonwood, Eastern	<i>Populus deltoides</i>	1,600	2 Large	C	X	X	X	X	X	X	X	L	Pyramidal	50-100	20-75	DB	C	YE	I			Y	F	M	-0.708	M	M	sl ac-sl alk	FS/P/P	
Crabapple, Japanese Flowering	<i>Malus floribunda</i>	400	Small	N								S	Rounded	15-25	15-25	DB	M	YE	P	Spring		N	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	XX	XX	XX	XX	S	Spreading	20-25	10-20	DB	M	YE	P	Spring		Y	M	S	n/a	M	L	sl ac-sl alk	FS/n/a	
Crapeyrtle, Common	<i>Lagerstroemia indica</i>	150	Very Small	P	XX	XX	XX	XX	XX	XX	XX	S	Multi-Stemmed	15-30	10-25	DB	F	RE	M	Summer		N	F	M	0.004	M	H	ac-sl alk	FS/n/a	
Cypress, Leyland	<i>Cupressocyparis leylandii</i>	400	Small	L	X	X	X	X	X	X	X	M	Pyramidal	50-60	20-30	EC	F	EV	I			Y	S	M	0.053	M	M	ac-sl alk	FS/g	
Devil's Walking Stick	<i>Aralia spinosa</i>	150	Very Small	N								S	Rounded	15-25	10-15	DB	M	YE	W	Spring		Y	M	M	n/a	M	M	ac-sl alk	PS/n/a	
Devilwood	<i>Cornus americana</i>	400	Small	C	X	X	X	XX	XX	XX	XX	S	Spreading	15-30	15-30	DB	M	RE	W	Spring		Y	M	M	0.021	M	L	ac-nu	PS/IMP	
Dogwood, Flowering	<i>Cornus florida</i>	400	Small	P	XX	XX	X	XX	XX	XX	XX	S	Spreading	15-30	15-30	DB	M	RE	W	Spring		Y	M	M	n/a	M	L	ac-nu	PS/IMP	
Dogwood, Flowering Pink	<i>Cornus florida var. rubra</i>	400	Small	P	XX	XX	X	XX	XX	XX	XX	S	Spreading	15-30	15-30	DB	M	RE	W	Spring		Y	M	M	n/a	M	L	ac	PS/n/a	
Dogwood, Kousa	<i>Cornus kousa</i>	400	Small	P	X	X	X	X	X	X	X	S	Spreading	10-20	10-20	DB	M	RE	W	Spring		N	S	S	n/a	M	L	ac	PS/n/a	
Dogwood, Swamp	<i>Cornus stricta</i>	400	Small	C	X	X	X	X	X	X	X	S	Rounded	10-25	10-25	DB	M	RE	W	Spring		Y	S	M	n/a	W	L	n/a	FS/G	
Elm, American	<i>Ulmus americana</i>	1,600	Large	C	X	X	X	X	X	X	X	L	Upright	50-100	30-70	DB	M	YE	I			Y	S	M	0.143	M	H	sl ac-sl alk	FS/IMP	
Elm, Chinese (Lacebark)	<i>Ulmus parvifolia</i>	900	1 Medium	L	0	XX	XX	XX	XX	XX	XX	M	Upright	40-60	30-50	DB	FM	YE	I			N	F	M	0.058	M	H	sl ac-sl alk	FS/n/a	
Elm, Siberian	<i>Ulmus pumilus</i>	900	Medium	N								L	Upright	40-60	30-50	DB	FM	YE	I			N	F	M	0.058	M	H	sl ac-sl alk	FS/n/a	
Elm, Slippery	<i>Ulmus rubra</i>	1,600	Large	C	X	X	X	X	X	X	X	L	Upright	70-80	30-50	DB	M	YE	I			Y	F	M	0.088	M	M	sl ac-sl alk	FS/IMP	
Flame-tree, Chinese (Bougainvillea)	<i>Bougainvillea spectabilis</i>	1,600	1 Large	P	XX	XX	XX	XX	XX	XX	XX	L	Upright	70-80	30-50	DB	F	YE	I			Y	M	M	0.034	M	H	sl ac-sl alk	FS/G	
Flame-tree, Chinese (Koeheuteria bipinnata)	<i>Koeheuteria bipinnata</i>	1,600	1 Large	P	XX	XX	XX	XX	XX	XX	XX	M	Rounded	20-40	20-40	DB	M	YE	I	Summer		Y	M	M	n/a	M	H	sl ac-sl alk	FS/G	
Fringetree, Chinese (Gynerium argenteum)	<i>Gynerium argenteum</i>	150	Very Small	P	X	X	X	X	X	X	X	S	Oval	10-30	5-15	DB	MC	YE	W	Spring		Y	M	S	n/a	M	L	acidic	PS/M/S	
Fringetree, Chinese (Gynerium argenteum)	<i>Gynerium argenteum</i>	150	Very Small	P	X	X	X	X	X	X	X	S	Rounded	15-25	10-15	DB	MC	YE	W	Spring		Y	M	S	n/a	M	M	acidic	PS/n/a	
Ginkgo (Female)	<i>Ginkgo biloba</i>	1,600	1 Large	L	X	X	X	X	X	X	X	M	Pyramidal	90-75	30-80	DB	C	YE	I			N	S	L	0.091	M	H	sl ac	FS/g	X
Ginkgo (Male)	<i>Ginkgo biloba</i>	1,600	1 Large	P	X	XX	XX	XX	XX	XX	XX	M	Pyramidal	90-75	30-80	DB	C	YE	I			N	S	L	0.091	M	H	sl ac	FS/g	X

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SPECIES COMMON NAME	LATIN NAME	CANOPY AREA FOR DEVELOPMENT CODE		RECOMMENDED USES										PHYSICAL CHARACTERISTICS										ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES								
		Square Feet of Canopy	Parking Lot Canopy Tree	Approved 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	Mature Crown Form	Typical Range of Mature Tree Height	Typical Range of Mature Crown Width	Leaf Type	Leaf Texture	Fall Color	Flowering Time	Wildlife Value	Excessive Litter	Native Tree to Athens-Clarke Co.	Growth Rate	Average Life Span	Net Effect on Air Quality	Soil Moisture	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerances/Limitations	Urban Tolerant Tree
Goldenrain tree	<i>Koeleria paniculata</i>	400	1	Small	P	X	X	X	X	X	X	M	S	Rounded	20-40	20-40	DB M	YE	Y	Summer	X	N	M	M	-0.087	M	H	sl-ac-slk	FS	n/a		
Hackberry, Common	<i>Celtis occidentalis</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Spreading	60-90	25-60	DB F/M	YE	I		X	Y	M	M	0.060	M	H	sl-ac-slk	FS	n/a	X	
Hackberry, Georgia	<i>Celtis tenuifolia</i>	400	Small		P	X	X	X	X	X	X	M	L	Spreading	25-35	25-35	DB F/M	YE	I		X	Y	S	M	n/a	D	H	sl-ac-slk	FS	M/S		
Hawthorne, Washington	<i>Crataegus phaeopyrum</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Rounded	10-30	5-25	DB F	MU	W	Late Spring	X	N	S	S	0.017	M	M	sl-ac-slk	FS	G		
Hemlock, Eastern	<i>Tsuga canadensis</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	50-100	50-75	DB M	YE	I		X	N	F	L	0.068	M	L	acidic	FS	P/S		
Hickory, Bitternut	<i>Carya cordiformis</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	50-100	50-75	DB IMC	YE	I		X	Y	S	L	0.059	D	H	sl ac	FS	M/P/S		
Hickory, Mockernut	<i>Carya tomentosa</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	50-100	50-75	DB M	YE	I		X	Y	S	L	0.058	M	H	sl ac	FS	M/S		
Hickory, Pignut	<i>Carya glabra</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	40-90	20-40	DB M	YE	I		X	Y	S	M	n/a	D	H	sl ac	FS	M		
Hickory, Sand	<i>Carya pallida</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	70-100	50-75	DB M	YE	I		X	Y	S	L	0.064	M	M	sl ac	FS	P/S		
Hickory, Shagbark	<i>Carya ovata</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	60-80	40-60	DB M	YE	I		X	Y	S	L	n/a	M	M	sl ac	FS	n/a		
Hickory, Southern Shagbark	<i>Carya ovata var. australis</i>	1,600	Large		C	X	X	X	X	X	X	L	L	Oval	60-80	40-60	DB M	YE	I		X	Y	S	L	0.073	M	H	acidic	FS	G	X	
Holly, American	<i>Ilex opaca</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Pyramidal	20-70	15-25	EB M	EV	I		X	Y	M	S	n/a	W	H	ac-slk	PS	G		
Holly, Deciduous (Possumhaw)	<i>Ilex decidua</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Pyramidal	10-20	10-20	EB F	I	I		X	Y	M	S	n/a	W	H	ac-slk	PS	G		
Holly, Fosters	<i>Ilex x affinis 'Foster'</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Pyramidal	15-25	10-15	EB F/M	EV	I		X	Y	S	S	n/a	M	H	sl ac	FS	n/a		
Holly, Ornamental Variety	<i>Ilex x sp.</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Pyramidal	10-20	10-15	EB M	EV	I		X	Y	S	S	n/a	M	H	sl ac	FS	n/a		
Holly, Savannah	<i>Ilex x 'Savannah'</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Pyramidal	30-45	10-15	EB M	EV	I		X	Y	S	S	n/a	D	H	ac-slk	FS	G	X	
Holly, Yaupon	<i>Ilex vomitoria</i>	150	Very Small		P	X	X	X	X	X	X	M	VS	Irregular	10-25	5-10	EB F	EV	I		X	Y	F	S	n/a	D	H	ac-slk	FS	G	X	
Honeylocust	<i>Gleditsia triacanthos</i>	900	Medium		C	X	X	X	X	X	X	L	M	Irregular	60-80	30-50	DB F	YE	I	Summer	X	Y	S	M	0.032	M	H	sl-ac-slk	FS	G	X	
Hopbloom, American	<i>Ostrya virginiana</i>	900	1	Medium	P	XX	XX	XX	XX	XX	XX	M	M	Oval	15-40	10-30	DB F/M	YE	W	Summer	X	Y	S	M	0.029	M	H	sl-ac-slk	SH	M/S	X	
Hornbeam, Am. (Ironwood, Blue Beech)	<i>Carpinus caroliniana</i>	900	1	Medium	P	XX	XX	XX	XX	XX	XX	M	M	Oval	20-35	15-30	DB F/M	YE	I		X	Y	S	M	0.037	M	H	ac-slk	PS	M/S	X	
Hornbeam, European	<i>Carpinus betulus</i>	900	1	Medium	P	XX	XX	XX	XX	XX	XX	M	M	Oval	40-60	35-40	DB F/M	YE	I		X	Y	S	M	n/a	M	H	ac-slk	PS	n/a	X	
Hornbeam, Japanese	<i>Carpinus japonica</i>	400	Small		L	X	X	X	X	X	X	M	M	Oval	20-30	20-30	DB M	RE	I		X	Y	S	M	n/a	M	M	adapt	PS	n/a		
Katsur tree	<i>Cercidiphyllum japonicum</i>	900	1	Medium	L	X	X	X	X	X	X	M	M	Spreading	40-60	35-60	DB M	YE	I	Spring	X	Y	F	L	n/a	M	H	sl-ac-slk	FS	G/P	X	
Locust, Black	<i>Robinia pseudoacacia</i>	900	Medium		C	X	X	X	X	X	X	L	M	Upright	40-90	20-40	DB F	YE	W	Spring	X	Y	F	M	-0.123	M	H	sl-ac-slk	FS	G/P	X	
Magnolia, Cucumber	<i>Magnolia acuminata</i>	1,600	Large		C	X	X	X	X	X	X	L	M	Upright	60-80	20-60	DB C	YE	W	Spring	X	Y	F	M	n/a	M	L	acidic	PS	M		
Magnolia, Japanese	<i>Magnolia x soulangiana</i>	900	Medium		L	X	X	X	X	X	X	M	M	Upright	20-30	10-30	DB C	YE	P	Late Winter	X	Y	M	L	0.002	M	L	acidic	FS	M		
Magnolia, Southern	<i>Magnolia grandiflora</i>	1,600	Large		P	XX	XX	XX	XX	XX	XX	L	L	Pyramidal	80-100	30-50	EB C	EV	W	Late Spring	X	Y	S	M	n/a	M	L	acidic	FS	n/a		
Magnolia, Southern 'Little Gem'	<i>Magnolia grandiflora 'Little Gem'</i>	150	Very Small		L	X	X	X	X	X	X	M	VS	Pyramidal	40-60	20-30	EB C	EV	W	Late Spring	X	Y	S	M	n/a	M	L	acidic	PS	n/a		
Magnolia, Star	<i>Magnolia stellata</i>	150	Very Small		L	X	X	X	X	X	X	M	VS	Multi-Stemmed	15-20	15-20	DB M	YE	W	Late Winter	X	Y	S	S	n/a	M	M	acidic	PS	n/a		
Magnolia, Sweetbay	<i>Magnolia virginiana</i>	900	2	Medium	P	XX	XX	XX	XX	XX	XX	M	M	Oval	30-60	20-40	EB C	EV	W	Summer	X	Y	F	M	n/a	W	L	acidic	PS	G		
Maple, Amur	<i>Acer ginnala</i>	400	Small		P	X	X	X	X	X	X	S	S	Rounded	15-25	15-25	DB M	RE	W	Spring	X	Y	M	M	0.008	M	M	adapt	FS	n/a		
Maple, Chalk	<i>Acer leucoderme</i>	900	1	Medium	P	X	X	X	X	X	X	M	M	Spreading	20-40	10-30	DB M	I	I		X	Y	M	M	n/a	M	H	ac-slk	FS	P/A	X	
Maple, Hedge	<i>Acer campestre</i>	900	1	Medium	P	X	X	X	X	X	X	M	M	Rounded	25-35	25-35	DB M	RE	I		X	Y	S	S	0.017	M	H	ac-slk	FS	n/a	X	
Maple, Japanese	<i>Acer palmatum</i>	400	Small		L	0	X	X	X	X	X	M	M	Oval	15-25	10-25	DB M	RE	I		X	N	S	S	0.008	M	L	sl-ac-slk	PS	n/a		
Maple, Norway	<i>Acer platanoides</i>	900	Medium		M	M	peel susceptible					M	M	Rounded	40-90	20-35	DB M	RE	R	Late Winter	X	N	N	F	L	0.084	M	L	sl ac	FS	G	
Maple, Red	<i>Acer rubrum</i>	900	2	Medium	P	XX	XX	XX	XX	XX	XX	M	M	Rounded	50-80	40-60	DB M	YE	I		X	Y	F	L	0.084	M	H	ac	FS	P/A		
Maple, Silver	<i>Acer saccharinum</i>	1,600	Large		P	XX	XX	XX	XX	XX	XX	L	L	Rounded	40-70	25-60	DB M	OR	I		X	Y	M	M	n/a	M	H	ac	FS	M/S	X	
Maple, Southern Sugar (Florida Sugar)	<i>Acer saccharum</i>	900	1	Medium	P	XX	XX	XX	XX	XX	XX	L	L	Rounded	40-70	25-60	DB M	OR	I		X	Y	M	L	0.100	M	M	sl-ac-slk	PS	pm		
Maple, Sugar	<i>Acer saccharum</i>	1,600	2	Large	P	XX	XX	XX	XX	XX	XX	L	L	Oval	60-80	30-50	DB M	OR	I		X	Y	F	L	0.100	M	M	sl-ac-slk	PS	pm		
Maple, Sugar 'Green Mountain'	<i>Acer saccharum 'Green Mountain'</i>	1,600	2	Large	P	XX	XX	XX	XX	XX	XX	L	L	Oval	60-80	30-50	DB M	OR	I		X	Y	F	L	0.100	M	M	sl-ac-slk	PS	n/a		
Maple, Sugar 'Legacy'	<i>Acer saccharum 'Legacy'</i>	1,600	2	Large	P	XX	XX	XX	XX	XX	XX	L	L	Oval	60-80	30-50	DB M	OR	I		X	Y	F	L	0.100	M	M	sl-ac-slk	PS	n/a		
Maple, Trident	<i>Acer buergerianum</i>	400	1	Small	N	0	XX	XX	XX	XX	XX	S	S	Rounded	20-45	20-30	DB M	MU	I		X	N	F	M	n/a	M	M	ac-slk	FS	n/a	X	
Minosa	<i>Albizia julibrissin</i>	900	Medium		N	peel susceptible; weed tree						M	M	Rounded	40-70	20-50	DB C	YE	I		X	N	N	F	M	n/a	M	M	ac-slk	FS	n/a	
Mulberry, Red	<i>Morus rubra</i>	900	Medium		C	X	0	0	0	0	0	L	M	Rounded	40-70	20-50	DB C	YE	I		X	Y	F	S	0.099	M	H	sl-ac-slk	FS	G		
Oak, Black	<i>Quercus velutina</i>	1,600	2	Large	P	X	X	X	X	X	X	L	L	Rounded	70-90	50-60	DB M	RE	I		X	Y	M	L	-0.253	D	H	sl ac	FS	G		
Oak, Cherrybark	<i>Quercus bicolor var. pagouffolia</i>	1,600	2	Large	P	X	X	X	X	X	X	L	L	Rounded	60-100	30-50	DB M	RE	I		X	Y	M	L	n/a	M	M	ac	FS	G		
Oak, Chestnut	<i>Quercus prinus</i>	1,600	Large		P	X	X	0	0	0	0	L	L	Rounded	90-60	30-80	DB M	RE	I		X	Y	S	L	-0.342	D	H	acidic	FS	GMS		
Oak, Diamond Leaf (Laurel)	<i>Quercus laurifolia</i>	1,600	Large		P	X	X	X	X	X	X	L	L	Rounded	60-80	50-60	DB M	YE	I		X	Y	M	L	n/a	M	M	sl-ac-slk	FS	G		
Oak, English	<i>Quercus robur</i>	1,600	Large		L	X	X	X	X	X	X	L	L	Rounded	40-60	40-60	DB M	BR	I		X	Y	S	M	-0.275	M	M	sl-ac-slk	FS	n/a		

City of Decatur Tree Species List

SPECIES COMMON NAME	LATIN NAME	CANOPY AREA FOR DEVELOPMENT CODE		RECOMMENDED USES				PHYSICAL CHARACTERISTICS						ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES																
		Square Feet of Canopy	Parking Lot Canopy Tree	Approved Level of Use	Road Frontages - Street	Road Frontages - Yard	Parking Lots	Barriers	Riparian Zones and Drainage Areas	Utility Corridors	Height 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	Flowering Time	Wildlife Value	Excessive Litter	Native Tree to Athens-Clarke Co.	Growth Rate	Average Life Span	Net Effect on Air Quality	Drought Tolerance	Preferred Soil pH	Light Requirement	Construction Tolerances/Limitations	Urban Tolerant Tree	
Oak, Georgia	<i>Quercus georgiana</i>	1,600	Large	C	X	X				L	Rounded	20-40	10-30	DB M	BR	I		X		Y	M	M	n/a	n/a	H	ac-alk	FS	n/a		
Oak, Laurel 'Darlington'	<i>Quercus hemisphaerica</i>	1,600	1 Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	-0.314	D	H	adapt	FS	n/a		
Oak, Live	<i>Quercus virginiana</i>	1,600	Large	P	X	XX	X			L	Rounded	60-90	50-60	DB F	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Northern Red	<i>Quercus rubra</i>	1,600	2 Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Nuttall	<i>Quercus nuttallii</i>	1,600	1 Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Overcup	<i>Quercus oglethorpeensis</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Pin	<i>Quercus prinus</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Post	<i>Quercus stellata</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Sawtooth	<i>Quercus acutiflora</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Scarlet	<i>Quercus coccinea</i>	1,600	2 Large	P	X	XX	XX			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Shumard	<i>Quercus shumardii</i>	1,600	1 Large	P	X	XX	XX	XX		L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Southern Red	<i>Quercus felicia</i>	1,600	2 Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Swamp Chestnut	<i>Quercus michauxii</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Swamp White	<i>Quercus bicolor</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Water	<i>Quercus nigra</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, White	<i>Quercus alba</i>	1,600	Large	P	X	X	X			L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a		
Oak, Willow	<i>Quercus phellos</i>	1,600	1 Large	P	X	XX	XX	XX	0 XX	D	L	Rounded	60-90	50-60	DB M	BR	I		X		N	F	M	n/a	D	H	adapt	FS	n/a	
Orange, Osage	<i>Quercus prinus</i>	900	Medium	L	X	X	X			M	Spreading	30-40	30-40	DB M	OR	I		X		N	F	S	n/a	n/a	M	ac-alk	FS	n/a	X	
Parrotia	<i>Parrotia persica</i>	400	Small	L	X	X	X			M	Rounded	20-40	20-35	DB M	OR	R				N	F	S	n/a	n/a	M	ac-alk	FS	n/a		
Pear, Bradford	<i>Pyrus calleryana</i>	900	Medium	N						M	Upright	60-100	30-75	DB	MC	YE	I			N	S	M	0.098	M	L	sl ac-alk	FS	img		
Pear, Callery Variety	<i>Pyrus calleryana</i>	900	Medium	N						M	Oval	70-80	40-60	DB M	RE	I				N	S	M	0.058	M	H	ac-alk	FS	G/P	X	
Pecan	<i>Carya illinoensis</i>	1,600	Large	P	X	X	X			L	Upright	60-100	30-75	DB	MC	YE	I			N	S	M	0.098	M	L	sl ac-alk	FS	img		
Persimmon, Common	<i>Diospyros virginiana</i>	900	Medium	P	X	X	X			L	Oval	70-80	40-60	DB M	RE	I				N	S	M	0.058	M	H	ac-alk	FS	G/P	X	
Pine, Eastern White	<i>Pinus strobus</i>	1,600	Large	N						L	Oval	70-80	40-60	DB M	RE	I				N	S	M	0.058	M	H	ac-alk	FS	G/P	X	
Pine, Loblolly	<i>Pinus taeda</i>	1,600	Large	P	X	X	X	XX	X	L	Pyramidal	80-100	20-40	EC	F	EV	I			N	F	M	0.016	M	acidic	FS	G/			
Pine, Longleaf	<i>Pinus palustris</i>	1,600	Large	P	X	X	X	X	0	L	Pyramidal	60-100	20-40	EC	F	EV	I			N	M	L	0.010	M	H	ac-alk	FS	G/MC		
Pine, Shortleaf	<i>Pinus echinata</i>	1,600	Large	P	X	X	X	X	0	L	Pyramidal	60-100	20-40	EC	F	EV	I			N	M	L	0.008	M	H	ac	PS	GMP		
Pine, Slash	<i>Pinus elliotii</i>	1,600	Large	P	X	X	X	X	0	L	Pyramidal	60-100	20-50	EC	F	EV	I			N	F	M	0.010	M	M	ac-alk	FS	G/		
Pine, Virginia	<i>Pinus virginiana</i>	900	Medium	P	X	X	X	XX	X	M	Pyramidal	15-70	10-35	EC	F	EV	I			N	F	S	0.003	M	H	ac	FS	G/	X	
Platanus, Chinese	<i>Platanus chinensis</i>	900	1 Medium	P	X	XX	XX	X	0	M	Rounded	60-80	40-50	DB M	RE	G	Spring			N	M	M	n/a	M	H	ac-alk	FS	n/a	X	
Platanus, London	<i>Platanus x acerifolia</i>	1,500	2 Large	P	X	XX	XX	X	0	L	Irregular	60-100	20-80	DB	C	YE	I			N	F	M	-0.415	M	H	sl ac-alk	FS	img	X	
Plum, Chickasaw	<i>Prunus angustifolia</i>	150	Very Small	C	X	X	X			S	VS	10-20	10-20	DB	F	I	Late Winter			N	F	M	n/a	M	H	sl ac-alk	FS	IM/S		
Plum, Purpleleaf	<i>Prunus cerasifera</i>	400	Small	C	X	X	X			S	Rounded	10-25	10-25	DB	F	RE	P/W	Spring		N	M	S	0.014	M	M	sl ac-alk	FS	img		
Poplar, Lombardy	<i>Populus nigra</i>	900	Medium	N						L	Rounded	10-25	10-25	DB	F	RE	P/W	Spring		N	M	S	0.014	M	M	sl ac-alk	FS	img		
Poplar, White	<i>Populus alba</i>	900	Medium	N						L	Rounded	10-25	10-25	DB	F	RE	P/W	Spring		N	M	S	0.014	M	M	sl ac-alk	FS	img		
Poplar, Yellow (Tuliptree)	<i>Liquidambar styraciflua</i>	1,600	2 Large	P	X	X	X	XX	0	L	Oval	40-100	20-60	DB	C	YE	I			N	F	M	-0.417	M	H	ac-alk	FS	n/a	X	
Redbud, Eastern	<i>Cercis canadensis</i>	400	Small	P	X	XX	XX	XX	XX	S	Oval	80-150	30-60	DB	C	YE	I	Spring		Y	M	L	0.171	M	L	sl ac	FS	P/S		
Redbud, Eastern White	<i>Cercis canadensis</i>	400	Small	P	X	XX	XX	XX	XX	S	Spreading	25-60	15-25	DB	M	YE	P	Spring		Y	F	S	0.012	M	M	ac-alk	FS	M/S		
Redbud, Forest Pansy	<i>Cercis canadensis</i>	400	Small	P	X	XX	XX	XX	XX	S	Spreading	20-30	15-25	DB	M	YE	P	Spring		Y	F	S	n/a	M	M	ac-alk	FS	n/a		
Redbud, 'Forest Pansy'	<i>Cercis canadensis</i>	400	Small	P	X	XX	XX	XX	XX	S	Spreading	20-30	15-25	DB	M	YE	P	Spring		Y	F	S	n/a	M	M	ac-alk	FS	n/a		
Redbud, 'Oklahoma'	<i>Cercis reniformis</i>	400	Small	P	X	XX	XX	XX	XX	S	Rounded	20-25	15-20	DB	M	YE	P	Spring		N	M	S	n/a	D	H	ac-alk	FS	n/a	X	
Redbud, 'Texas White'	<i>Cercis reniformis</i>	400	Small	P	X	XX	XX	XX	XX	S	Rounded	20-25	15-20	DB	M	YE	P	Spring		N	M	S	n/a	D	H	ac-alk	FS	n/a	X	
Redcedar, Eastern	<i>Juniperus virginiana</i>	900	Medium	P	X	XX	XX	XX	XX	L	Pyramidal	40-60	10-20	EC	F	EV	I			N	F	L	-0.010	M	H	ac-nu	FS	M/S		
Redwood, Dawn	<i>Metasequoia glyptostroboides</i>	900	Medium	P	X	XX	XX	XX	XX	M	Pyramidal	75-100	25-30	DB	C	F	BR	I		N	F	L	0.163	M	M	n/a	FS	n/a	X	
Royal Paulownia (Princess-Tree)	<i>Pauwonia tomentosa</i>	900	Medium	L						M	Irregular	30-50	20-50	DB	C	YE	P	Spring		N	F	S	0.022	M	M	ac-alk	FS	G		
Sassafras	<i>Sassafras albidum</i>	900	Medium	C	X	X	X			M	Oval	30-50	20-40	DB	M	OR	I	Spring		Y	M	M	0.069	M	H	ac-alk	FS	G/		
Serviceberry, Downy	<i>Amelanchier arborea</i>	400	Small	P	XX	XX	XX	XX	XX	S	Irregular	15-40	10-20	DB	M	OR	I	Spring		Y	S	M	0.004	M	H	acidic	FS	IM/S		
Silverbell, Carolina	<i>Halesia carolina</i>	900	2 Medium	P	XX	X	X			M	Irregular	30-60	20-35	DB	M	YE	I	Spring		Y	M	M	n/a	M	L	ac-alk	FS	IM/S		

City of Decatur Tree Species List

SPECIES COMMON NAME	LATIN NAME	CANOPY AREA FOR DEVELOPMENT CODE										RECOMMENDED USES										PHYSICAL CHARACTERISTICS										ENVIRONMENTAL CHARACTERISTICS AND TOLERANCES									
		Square Feet of Canopy		Parking Lot Canopy Tree		Mature Canopy Size Category		Approved 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	Native Tree to Athens-Clarke Co.	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			
Smoke tree, American	<i>Cotinus obovatus</i>	150	Very Small				L											S	VS	Oval	DB M	MU P	P	Spring			Y	M	S	n/a	D	H	sl-ac-alk	FS	n/a	X					
Smoke tree, Common	<i>Cotinus coggygia</i>	150	Very Small				L											S	VS	Oval	DB M	MU P	P	Late Spring			N	M	S	n/a	D	H	sl-ac-alk	FS	n/a	X					
Sourwood	<i>Oxydendrum arboreum</i>	900	Medium				C	XX	x	x								S	M	Spreading	DB M	RE W	W	Summer			Y	M	S	0.018	M	ac-sl-alk	FS	P/A							
Spangleberry, Tree	<i>Vaccinium arboreum</i>	150	Very Small				C											S	VS	Irregular	DB F	RE W	W	Late Spring	X		Y	S	S	n/a	M	ac-sl-alk	S	M/A							
Spruce Varieties	<i>Picea specios</i>	900	Medium				C											L	M								N														
Sugarberry	<i>Celtis laevigata</i>	1,600	Large				C	x	x	not heat tolerant								L	L	Spreading	DB F/M	YE I	I				Y	M	M	0.118	M	ac	FS	G/I							
Sweetgum	<i>Liquidambar styraciflua</i>	1,600	Large				C	x	0	0	0	x						L	L	Oval	DB M	MU I	I				Y	F	L	-0.488	M	sl ac	FS	G/							
Sweetgum, Fruitless	<i>Liquidambar styraciflua 'Rotundiloba'</i>	1,600	Large				P	x	x	x	x							L	L	Oval	DB C	MU I	I				Y	F	M	n/a	M	sl-ac-alk	FS	n/a							
Sycamore	<i>Platanus occidentalis</i>	1,600	Large				P	x	x	x	0							L	L	Oval	DB C	BR I	I				Y	F	M	-0.789	M	sl-ac-alk	FS	G/							
Tallow tree, Chinese	<i>Sapindus sibiricum</i>	900	Medium				N			invasive								L	M								N														
Tree-of-Heaven (Ailanthus)	<i>Ailanthus altissima</i>	800	Medium				N			brittle wood, weed tree								L	M	Rounded	DB M	YE I	I				N														
Waldnut, Black	<i>Juglans nigra</i>	1,600	Large				C	x	0	0	0	x						L	S	Multi-Stemmed	EB F	EV I	I				N	M	L	0.066	M	acidic	FS	P/S							
Waxmyrtle, Southern	<i>Myrica cerifera</i>	150	Very Small				P											S	VS	Multi-Stemmed	EB F	EV I	I				N	M	S	n/a	M	ac-alk	FS	G/							
Willow, Black	<i>Salix nigra</i>	900	Medium				C	x	0	0	0	x	0					M	M	Irregular	DB F/M	YE I	I				N	F	S	-0.177	W	n/a	FS	G/							
Willow, Weeping	<i>Salix babingtonia</i>	1,600	Large				L	x	0	0	0	0	0					L	L	Rounded	DB F/M	YE I	I				N	F	M	-0.095	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	DB M	I	I				Y	M	S	n/a	M	ac	FS	G/							
Witchhazel, Common	<i>Hamamelis virginiana</i>	400	Small				P	x	x	x	x	x	x					S	S	Spreading	DB MC	YE Y	Y	Fall			Y	M	M	-0.008	M	sl ac	FS	M/S							
Yellowwood, American	<i>Cladonia tenuiloba</i>	900	Medium				L	x	x	x	x	x	x					M	M	Upright	DB MC	YE W	W	Spring			N	M	M	0.013	M	n/a	FS	P/A							
Zelkova, Japanese	<i>Zelkova serrata</i>	1,600	Large				L	x	x	x	x	0	0					L	L	Upright	DB M	RE I	I				N	M	M	0.054	M	sl-ac-alk	FS	n/a	X						

1 = trees that will project significant shade, intercept enough water, substantially filter out pollutants, and survive the conditions within a parking area to the extent they could be considered a "canopy" tree.
 2 = same as 1, except that these trees are ONLY appropriate for large, expanded tree islands or landscape strips, swales, or moist soil conditions with plenty of rooting space.