

City of Winterille 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	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	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
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				Y	F	S	n/a	W	M	acidic	FS	G/	X
Ash, Green	<i>Fraxinus pennsylvanica</i>	1,600	Large	P	XX	x	XX		x		x		L	L	Rounded	60-100	40-50	DB	M	MU	I		X		Y	F	M	0.090	W	H	sl ac-sl alk	FS	G/	
Ash, White	<i>Fraxinus americana</i>	1,600	Large	P	XX	x	XX		x		x		L	L	Rounded	50-80	30-60	DB	M	MA	I		X		Y	M	M	0.100	M	L	sl ac-sl alk	FS	M/S	
Baldcypress	<i>Taxodium distichum</i>	900	Medium	P	x		XX				XX	XX	L	M	Pyramidal	50-100	20-50	DC	F	BR	I		X		N	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	Summer	X		Y	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		Y	S	L	0.160	M	L	acidic	FS	P/A	
Birch, River	<i>Betula nigra</i>	900	Medium	P	XX	x	XX	x	XX	XX	XX	0	M	M	Pyramidal	50-90	40-60	DB	F/M	YE	I				Y	F	M	0.117	M	L	acidic	PS	G/	
Birch, River 'Heritage'	<i>Betula nigra</i> 'Heritage'	900	Medium	P	XX	x	XX	x	XX	XX	XX	0	M	M	Pyramidal	50-90	40-60	DB	F/M	YE	I				Y	F	M	n/a	M	L	acidic	PS	n/a	
Blackgum (Tupelo)	<i>Nyssa sylvatica</i>	900	Medium	P	XX	x	XX				x		M	M	Oval	50-100	20-35	DB	M	RE	I		X		Y	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		Y	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	Summer	X		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	S	VS	Rounded	15-25	5-15	DB	M	YE	P/Y	Spring	X		Y	M	S	n/a	M	L	ac-adapt	SH	n/a	
Buckeye, Red	<i>Aesculus pavia</i>	150	Very Small	P							x		S	VS	Rounded	10-15	10-15	DB	M	YE	R	Spring	X		N	M	S	n/a	M	L	ac	PS	M/I	
Buckthorn, Carolina	<i>Rhamnus caroliniana</i>	900	Medium	P	x	x	x				x		M	M	Oval	30-40	10-30	DB	M	OR	I		X		Y	M	S	n/a	M	M	ac-alk	FS	M/S	
Buckthorn, Common	<i>Rhamnus cathartica</i>	900	Medium	L							x		S	M	Rounded	20-25	20-25	DB	M	YE	I		X		N	M	S	n/a	M	H	adapt	FS	n/a	X
Buttonbush, Common	<i>Cephalanthus occidentalis</i>	150	Very Small	P	x						x	x	S	VS	Multi-Stemmed	10-15	10-15	DB	M	YE	W	Late Summer	X		Y	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	Spring	X	X	Y	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				N	M	L	-0.031	D	H	ac-sl alk	FS	g	
Cedar, Japanese	<i>Cryptomeria japonica</i>	900	Medium	L	x	x				x			L	M	Pyramidal	40-60	15-20	EC	F	EV	I				N	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/L/W	Summer	X		N	M	S	n/a	D	H	ac-alk	FS	n/a	X
Cherry, Black	<i>Prunus serotina</i>	900	Medium	C	x						x		L	M	Oval	50-90	15-50	DB	M	YE	W	Early Spring	X		Y	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	Spring	X		N	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	Spring			N	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	XX		S	S	Rounded	20-45	20-40	DB	M	YE	P/W	Spring	X		N	F	S	n/a	M	L	ac	FS	n/a	
Chestnut, American	<i>Castanea dentata</i>	1,600	Large	N									L	L	-	-	-	-	-	-	-	-	-			Y								
Chestnut, Chinese	<i>Castanea mollissima</i>	1,600	Large	P	x		x						L	L	Rounded	40-60	40-60	DB	M	BR	W	Summer	X		N	S	L	n/a	D	M	ac-sl alk	FS	n/a	X
Chinaberry	<i>Melia azedarach</i>	900	Medium	N									M	M												N								
Chinquapin, Allegheny	<i>Castanea pumila</i>	400	Small	C	x						x		S	S	Rounded	10-25	10-25	DB	M	BR	I		X		Y	S	S	n/a	D	H	n/a	FS	P/P	
Cottonwood, Eastern	<i>Populus deltoides</i>	1,600	Large	C	x						0	x	L	L	Pyramidal	50-100	20-75	DB	C	YE	I		X	X	Y	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	Spring	X		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				x	XX	S	S	Spreading	20-25	10-20	DB	M	YE	P	Spring	X	X	Y	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	Summer			N	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				N	F	M	0.053	M	M	ac-alk	FS	g	
Devil's Walking Stick	<i>Aralia spinosa</i>	150	Very Small	N									S	VS												Y								
Devilwood	<i>Osmanthus americanus</i>	400	Small	C	x		x						S	S	Rounded	15-25	10-15	DB	M	YE	W	Spring	X		Y	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	Spring	X		Y	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	Spring	X		Y	M	M	n/a	M	L	n/a	PS	n/a	
Dogwood, Kousa	<i>Cornus kousa</i>	400	Small	P		x	x				x	x	S	S	Rounded	10-20	10-20	DB	M	RE	W	Spring	X		N	S	M	n/a	M	L	ac	PS	n/a	
Dogwood, Swamp	<i>Cornus stricta</i>	400	Small	C	x						x	x	S	S	Rounded	10-25	10-25	DB	M	RE	W	Spring	X		Y	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		Y	M	M	0.143	M	H	sl ac-sl alk	FS	M/P	
Elm, Chinese (Lace Bark)	<i>Ulmus parvifolia</i>	900	Medium	L	0	XX	XX	XX	XX	0	0		M	M	Upright	40-60	30-50	DB	F/M	YE	I				N	F	M	0.058	M	H	sl ac-sl alk	FS	n/a	X
Elm, Siberian	<i>Ulmus pumila</i>	900	Medium	N									L	M												N								

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		Square Feet of Canopy	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	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
Elm, Slippery	<i>Ulmus rubra</i>	1,600	Large	C	x	x	x					L	L	Upright	70-80	30-50	DB	M	YE	I			X	Y	F	M	0.086	M	M	sl ac-sl alk	FS	M/P		
Elm, Winged	<i>Ulmus alata</i>	1,600	Large	P	XX	XX	XX	XX		0	0	L	L	Upright	70-80	30-50	DB	F	YE	I				Y	M	M	0.034	M	H	sl ac-sl alk	FS	G/	X	
Flametree, Chinese (Bougainvillea)	<i>Koelreuteria bipinnata</i>	400	Small	P		x						M	S	Rounded	20-40	20-40	DB	M	YE	Y	Summer			N	M	S	n/a	M	H	sl ac-sl alk	FS	n/a	X	
Fringetree (Grancy Gray Beard)	<i>Chionanthus virginicus</i>	150	Very Small	P	x	x	x			x	x	S	VS	Oval	10-30	5-15	DB	M/C	YE	W	Spring	X		Y	M	S	n/a	M	L	acidic	PS	M/IS		
Fringetree, Chinese	<i>Chionanthus retusus</i>	150	Very Small	P		x	x			x	x	S	VS	Rounded	15-25	10-15	DB	M/C	YE	W	Spring	X		N	S	S	n/a	M	M	acidic	PS	n/a		
Ginkgo (Female)	<i>Ginkgo biloba</i>	1,600	Large	L	x	0	x	0	0	0		M	L	Pyramidal	50-75	30-60	DB	C	YE	I			X	N	S	L	0.108	M	H	sl ac	FS	g	X	
Ginkgo (Male)	<i>Ginkgo biloba</i>	1,600	Large	P	x	XX	XX	x	XX	0		M	L	Pyramidal	50-75	30-60	DB	C	YE	I				N	S	L	0.108	M	H	sl ac	FS	g	X	
Goldenraintree	<i>Koelreuteria paniculata</i>	400	Small	P		x	x	x	x			M	S	Rounded	20-40	20-40	DB	M	YE	Y	Summer			N	M	M	-0.087	M	H	sl ac-sl alk	FS	n/a		
Hackberry, Common	<i>Celtis occidentalis</i>	1,600	Large	C	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-sl alk	FS	n/a	X	
Hackberry, Georgia	<i>Celtis tenuifolia</i>	1,600	Large	C	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-sl alk	FS	M/IS		
Hawthorne, Washington	<i>Crataegus phaenopyrum</i>	400	Small	P		x	x	x			x	S	S	Rounded	10-30	5-25	DB	F	MU	W	Late Spring	X		N	S	S	0.017	M	M	sl ac-sl alk	FS	g		
Hemlock, Eastern	<i>Tsuga canadensis</i>	1,600	Large	N	not heat tolerant; out of range								L	L																				
Hickory, Bitternut	<i>Carya cordiformis</i>	1,600	Large	C	x	0	x	0	0			L	L	Oval	50-100	50-75	DB	M	YE	I			X	Y	F	L	0.069	M	L	acidic	FS	P/S		
Hickory, Mockernut	<i>Carya tomentosa</i>	1,600	Large	C	x	0	x	0	0			L	L	Oval	50-100	50-75	DB	M/C	YE	I			X	Y	S	L	0.059	D	H	sl ac	FS	MP/S		
Hickory, Pignut	<i>Carya glabra</i>	1,600	Large	C	x	0	x	0	0			L	L	Oval	50-100	50-75	DB	M	YE	I			X	Y	S	L	0.058	M	H	sl ac	FS	M/IS		
Hickory, Sand	<i>Carya pallida</i>	1,600	Large	C	x	0	x	0	0			L	L	Oval	40-90	20-40	DB	M	YE	I			X	Y	S	M	n/a	D	H	sl ac	FS	M/		
Hickory, Shagbark	<i>Carya ovata</i>	1,600	Large	C	x	0	x	0	0			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, Southern Shagbark	<i>Carya ovata var. australis</i>	1,600	Large	C	x	0	x	0	0			L	L	Oval	60-80	40-60	DB	M	YE	I			X	Y	S	L	n/a	M	M	sl ac	FS	n/a		
Holly, American	<i>Ilex opaca</i>	150	Very Small	P	x		XX	x		XX	0	M	VS	Pyramidal	20-70	15-25	EB	M	EV	I			X	Y	S	L	0.013	M	H	acidic	PS	G/	X	
Holly, Deciduous (Possumhaw)	<i>Ilex decidua</i>	150	Very Small	C	x		x			x	x	S	VS	Rounded	10-20	10-20	DB	F	I	I			X	Y	M	S	n/a	W	H	ac-alk	PS	G/		
Holly, Fosters	<i>Ilex x attenuata 'Foster'</i>	150	Very Small	P		x	x	x	x			S	VS	Pyramidal	15-25	10-15	EB	F/M	EV	I			X	N	S	S	n/a	M	H	sl ac	FS	n/a	X	
Holly, Ornamental Variety	<i>Ilex species</i>	150	Very Small	L		x	x	x	x		x	S	VS	Rounded	10-20	10-15	EB	M	EV	I				N	S	S	n/a	M	H	ac	FS	n/a		
Holly, Savannah	<i>Ilex x attenuata 'Savannah'</i>	150	Very Small	P	x		x	x	x		0	M	VS	Pyramidal	30-45	10-15	EB	M	EV	I			X	N	M	S	n/a	M	H	ac-sl alk	FS	n/a		
Holly, Yaupon	<i>Ilex vomitoria</i>	150	Very Small	P		x	x	x	x		x	S	VS	Irregular	10-25	5-10	EB	F	EV	I			X	Y	S	S	n/a	D	H	ac-alk	FS	G/	X	
Honeylocust	<i>Gleditsia triacanthos</i>	900	Medium	C	x		x	0	0			L	M	Irregular	60-80	30-50	DB	F	YE	I				Y	F	S	0.009	M	H	sl ac-sl alk	FS	G/	X	
Hophornbeam, American	<i>Ostrya virginiana</i>	900	Medium	P	x		x	x			x	M	M	Oval	15-40	10-30	DB	F/M	YE	W	Summer	X		Y	S	M	0.032	M	H	ac-alk	SH	M/S	X	
Hornbeam, Am. (Ironwood, Blue Beech)	<i>Carpinus caroliniana</i>	900	Medium	P	XX	XX	XX	x	XX	XX	XX	M	M	Oval	20-35	15-30	DB	F/M	YE	I			X	Y	S	M	0.009	M	M	sl ac-sl alk	PS	M/SC		
Hornbeam, European	<i>Carpinus betulus</i>	900	Medium	P		XX	XX	XX	XX	x		M	M	Oval	40-60	35-40	DB	F/M	YE	I			X	Y	S	M	0.037	M	H	ac-alk	PS	n/a	X	
Hornbeam, Japanese	<i>Carpinus japonica</i>	400	Small	L		x	x	x	x			M	S	Oval	20-30	20-30	DB	M	RE	I				N	S	M	n/a	M	M	adapt	PS	n/a		
Katsuratre	<i>Cercidiphyllum japonicum</i>	900	Medium	L	x		x					M	M	Spreading	40-60	35-60	DB	M	YE	I				N	F	L	n/a	M	L	ac-sl alk	FS	pm		
Locust, Black	<i>Robinia pseudoacacia</i>	900	Medium	C	x			0	0		x	L	M	Spreading	40-90	20-40	DB	F	YE	W	Spring	X		Y	F	M	-0.123	M	H	sl ac-sl alk	FS	G/P	X	
Magnolia, Cucumber	<i>Magnolia acuminata</i>	1,600	Large	C	x		x	0			x	L	L	Upright	60-80	20-60	DB	C	YE	W	Spring	X		Y	F	M	n/a	M	L	acidic	PS	M/I		
Magnolia, Japanese (Saucer)	<i>Magnolia x soulangiana</i>	900	Medium	L		x	0				x	M	M	Upright	20-30	10-30	DB	C	YE	P	Late Winter			N	M	S	0.009	M	L	acidic	FS	n/a		
Magnolia, Southern	<i>Magnolia grandiflora</i>	1,600	Large	P	XX	XX	0		XX	0		L	L	Pyramidal	80-100	30-50	EB	C	EV	W	Late Spring	X	X	Y	M	L	0.002	M	M	acidic	FS	M/I		
Magnolia, Southern 'Little Gem'	<i>Magnolia grandiflora 'Little Gem'</i>	150	Very Small	P		x	0		x		XX	M	VS	Pyramidal	40-60	20-30	EB	C	EV	W	Late Spring	X	X	Y	S	M	n/a	M	L	acidic	FS	n/a		
Magnolia, Star	<i>Magnolia stellata</i>	150	Very Small	L		x	x				x	S	VS	Multi-Stemmed	15-20	15-20	DB	M	YE	W	Late Winter	X		N	S	S	n/a	M	M	acidic	PS	n/a		
Magnolia, Sweetbay	<i>Magnolia virginiana</i>	900	Medium	P	XX		x		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	S	S	Rounded	15-25	15-25	DB	M	RE	W	Spring			N	M	M	0.008	M	M	adapt	FS	n/a		
Maple, Chalk	<i>Acer leucoderme</i>	900	Medium	P	x	x	x	x		x		M	M	Spreading	20-40	10-30	DB	M	I	I				Y	M	M	n/a	M	H	ac-sl alk	FS	P/A	X	
Maple, Hedge	<i>Acer campestre</i>	900	Medium	P		x	x	x		x		M	M	Rounded	25-35	25-35	DB	M	YE	I				N	S	S	0.017	M	H	ac-alk	FS	n/a	X	
Maple, Japanese	<i>Acer palmatum</i>	400	Small	L	0		x	0			x	S	S	Oval	15-25	10-25	DB	M	RE	I				N	S	S	0.008	M	L	sl ac-sl alk	PS	n/a		
Maple, Norway	<i>Acer platanoides</i>	900	Medium	N	pest susceptible								M	M																				

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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	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	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	
Maple, Red	<i>Acer rubrum</i>	900	Medium	P	XX	XX	XX	XX	XX	XX	XX	0	M	M	Rounded	40-90	20-35	DB	M	RE	R					Y	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					N	F	S	0.084	M	H	ac	FS	P/A	
Maple, Southern Sugar (Florida Sugar)	<i>Acer barbatum</i>	900	Medium	P	XX	x	XX	x	XX	XX	x		M	M	Rounded	40-70	25-60	DB	M	OR	I					Y	M	M	n/a	M	H	ac	FS	M/IS	X
Maple, Sugar	<i>Acer saccharum</i>	1,600	Large	P	XX	XX	XX					x	L	L	Oval	60-80	30-50	DB	M	OR	I			X		Y	M	L	0.100	M	M	sl ac-sl alk	PS	pm	
Maple, Sugar 'Green Mountain'	<i>Acer saccharum</i> 'Green Mountain'	1,600	Large	P	XX	XX	XX					0	L	L	Oval	60-80	30-50	DB	M	OR	I			X		Y	F	L	0.100	M	M	sl ac-sl alk	PS	n/a	
Maple, Sugar 'Legacy'	<i>Acer saccharum</i> 'Legacy'	1,600	Large	P	XX	XX	XX					0	L	L	Oval	60-80	30-50	DB	M	OR	I			X		Y	F	L	0.100	M	M	sl ac-sl alk	PS	n/a	
Maple, Trident	<i>Acer buergerianum</i>	400	Small	P	0	XX	XX	XX	XX	XX	XX		S	S	Rounded	20-45	20-30	DB	M	MU	I					N	F	M	n/a	M	M	ac-alk	FS	n/a	X
Mimosa	<i>Albizia julibrissin</i>	900	Medium	N									M	M																					
Mulberry, Red	<i>Morus rubra</i>	900	Medium	C	x	0	0	0	0	x			L	M	Rounded	40-70	20-50	DB	C	YE	I			X	X	Y	F	S	0.099	M	H	sl ac-sl alk	FS	G/	
Oak, Black	<i>Quercus velutina</i>	1,600	Large	C	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 falcata</i> var. <i>pagodifolia</i>	1,600	Large	P	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	0	XX	0	0	0			L	L	Rounded	50-80	30-60	DB	M	RE	I			X	X	Y	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		N	M	L	n/a	M	M	sl 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		N	S	M	-0.275	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		Y	M	M	n/a	D	H	ac-alk	FS	n/a	
Oak, Laurel	<i>Quercus hemisphaerica</i>	1,600	Large	P	x	x	x						L	L	Rounded	60-90	50-60	DB	M	BR	I			X		N	F	M	-0.314	D	H	adapt	FS	n/a	
Oak, Laurel 'Darlington'	<i>Quercus hemisphaerica</i> 'Darlington'	1,600	Large	P	x	XX	XX						L	L	Rounded	60-90	50-60	DB	F	BR	I			X		N	F	M	n/a	D	H	adapt	FS	n/a	
Oak, Live	<i>Quercus virginiana</i>	1,600	Large	N									L	L																					
Oak, Northern Red	<i>Quercus rubra</i>	1,600	Large	P	XX	x	XX						L	L	Rounded	60-100	30-60	DB	M	RE	I			X		Y	F	L	-0.503	M	M	ac-sl ac	FS	GM/SC	
Oak, Nuttall	<i>Quercus nuttalli</i>	1,600	Large	P	x	x	x						L	L	Rounded	60-80	35-50	DB	M	RE	I			X		Y	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		Y	S	M	n/a	W	M	n/a	FS	n/a	
Oak, Overcup	<i>Quercus lyrata</i>	1,600	Large	P	XX	XX	XX			x			L	L	Rounded	30-45	30-45	DB	M	BR	I			X		Y	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		N	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		Y	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	N	F	M	-0.159	M	M	ac-sl alk	FS	n/a	
Oak, Scarlet	<i>Quercus coccinea</i>	1,600	Large	P	XX	XX	XX	x	x				L	L	Rounded	50-80	30-50	DB	M	RE	I			X		Y	M	L	-0.592	D	H	sl ac	FS	G/	
Oak, Shumard	<i>Quercus shumardii</i>	1,600	Large	P	XX	XX	XX	XX	XX				L	L	Rounded	60-100	30-70	DB	M	RE	I			X		Y	F	L	-0.265	M	H	ac-alk	FS	G/	
Oak, Southern Red	<i>Quercus falcata</i>	1,600	Large	P	XX	x	XX				x		L	L	Rounded	60-100	30-70	DB	M	OR	I			X		Y	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		Y	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		Y	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		Y	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		Y	S	L	-0.348	M	M	acidic	FS	GM/S	
Oak, Willow	<i>Quercus phellos</i>	1,600	Large	P	XX	XX	XX	XX	XX	0	XX	0	L	L	Rounded	40-100	30-60	DB	F/M	YE	I			X		Y	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	X	N	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					N	F	S	n/a	M	M	ac-sl alk		n/a	
Pear, Bradford	<i>Pyrus calleryana</i> 'Bradford'	900	Medium	N									M	M																					
Pear, Callery Variety	<i>Pyrus calleryana</i>	900	Medium	N									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	N	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	Y	M	S	0.058	M	H	ac-alk	FS	G/P	X
Pine, Eastern White	<i>Pinus strobus</i>	1,600	Large	N									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		Y	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		N	M	L	0.010	M	H	ac-sl alk	FS	GM/C	

City of Winterille 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	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	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
Pine, Shortleaf	<i>Pinus echinata</i>	1,600	Large	P	XX	x	x	x				L	L	Pyramidal	60-100	20-40	EC	F	EV	I			X	Y	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	N	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	Y	F	S	0.003	M	H	ac	FS	G/	X
Pistache, Chinese	<i>Pistacia chinensis</i>	900	Medium	P	x	XX	XX	x		x	0	M	M	Rounded	60-80	40-50	DB	M	RE	G	Spring		X	N	M	M	n/a	M	H	ac-alk	FS	n/a	X
Planetree, London	<i>Platanus x acerifolia</i>	1,600	Large	P	x	XX	XX	XX				L	L	Irregular	60-100	20-80	DB	C	YE	I				N	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 Winter		X	Y	M	S	n/a	M	H	sl ac-sl alk	FS	M/S	
Plum, Purpleleaf	<i>Prunus cerasifera</i>	400	Small	L		x	x		XX	x	x	S	S	Rounded	10-25	10-25	DB	F	RE	P/W	Spring		X	N	M	S	0.014	M	M	sl ac-sl alk	FS	mg	
Poplar, Lombardy	<i>Populus nigra var. italica</i>	900	Medium	N								L	M											N									
Poplar, White	<i>Populus alba</i>	900	Medium	C		x						L	M	Oval	40-100	20-60	DB	C	YE	I				N	F	M	-0.417	M	H	ac-alk	FS	n/a	
Poplar, Yellow (Tuliptree)	<i>Liriodendron tulipifera</i>	1,600	Large	P	XX	x				XX	0	L	L	Oval	80-150	30-60	DB	C	YE	Y	Spring		X	Y	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	Spring		X	Y	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	Spring		X	Y	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	Spring		X	Y	F	S	n/a	M	M	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	Spring		X	N	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	Spring		X	N	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	Y	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				N	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	30-50	20-50	DB	C	YE	P	Spring		X	N	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	Spring		X	Y	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	Spring		X	Y	S	M	0.004	M	M	acidic	PS	M/IS	
Silverbell, Carolina	<i>Halesia carolina</i>	900	Medium	P	XX	x	x			x		M	M	Irregular	30-60	20-35	DB	M	YE	W	Spring			Y	F	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	Spring			Y	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 Spring			N	M	S	n/a	D	H	sl ac-sl alk	FS	n/a	X
Sourwood	<i>Oxydendrum arboreum</i>	900	Medium	C	XX	x						M	M	Spreading	30-60	20-30	DB	M	RE	W	Summer			Y	M	S	0.018	M	M	ac-sl ac	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 Spring		X	Y	S	S	n/a	M	M	ac-sl alk	S	M/A	
Spruce Varieties	<i>Picea species</i>	900	Medium	N								L	M											N									
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	Y	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	Y	F	L	-0.488	M	L	sl ac	FS	G/	
Sweetgum, Fruitless	<i>Liquidambar styraciflua 'Rotundiloba'</i>	1,600	Large	P	x	x		x				L	L	Oval	50-70	35-45	DB	C	MU	I				Y	M	M	n/a	M	L	ac-sl alk	FS	n/a	
Sycamore	<i>Platanus occidentalis</i>	1,600	Large	P	x	x				x	0	L	L	Oval	70-100	30-70	DB	C	BR	I			X	Y	F	M	-0.789	M	M	sl ac-sl alk	FS	G/	
Tallowtree, Chinese	<i>Sapium sebiferum</i>	900	Medium	N								M	M											N									
Tree-of-Heaven (Ailanthus)	<i>Ailanthus altissima</i>	900	Medium	N								M	M											N									
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	Y	M	L	0.086	M	L	acidic	FS	P/IS	
Waxmyrtle, Southern	<i>Myrica cerifera</i>	150	Very Small	P		x	x		x	x	0	S	VS	Multi-Stemmed	10-30	10-30	EB	F	EV	I			X	N	M	S	n/a	M	M	ac-alk	FS	G/	
Willow, Black	<i>Salix nigra</i>	900	Medium	C	x	0	x	0	0		x	M	M	Irregular	30-40	30-40	DB	F/M	YE	I				Y	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				N	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	Y	M	S	n/a	M	L	ac	FS	G/	
Witchhazel, Common	<i>Hamamelis virginiana</i>	400	Small	P	x	x	x		x	x	x	S	S	Spreading	20-35	20-35	DB	M/C	YE	Y	Fall			Y	M	M	-0.009	M	M	sl ac	PS	M/IS	
Yellowwood, American	<i>Cladrastis kentukea</i>	900	Medium	L	x	x						M	M	Upright	30-50	40-50	DB	M/C	YE	W	Spring			N	M	M	0.013	M	M	n/a	PS	P/A	
Zelkova, Japanese	<i>Zelkova serrata</i>	1,600	Large	L		x	x				0	L	L	Upright	40-80	30-75	DB	M	RE	I				N	M	M	0.084	M	H	ac-sl alk	FS	n/a	X