

North Carolina Forest Service  
Urban Tree List

Tree Name			Region				Site/Culture														Attributes																		
Common name	Scientific name	Recommended cultivars & similar species, notes	Coastal Region	Piedmont Region	Mountain Region	Hardiness Zone	Street Tree	Tree Pit	Parking Island	Park/Lawn	Bioretention/Stormwater	Riparian Buffer	Woodland/Natural Area	Buffer/Screening	Large Tree: >50' ht., ≥ 10" wide tree lawn, ≥ 1200 cuft soil volume, 40'-50' spacing	Medium Tree: 30'-50' ht., 6-9" wide tree lawn, 540-1200 cuft soil volume, 30' spacing	Small Tree: <30' ht., 4-6" wide tree lawn, 300-540 cuft soil volume, 25' spacing	Light Conditions: F=requires full sun, P=partial sun, S=Shade tolerant	PH: A=Tolerates alkaline, N=Neutral, C=Requires acidic	Soil Type: C=Tolerates clay, L=Requires loam(silt), S=Tolerates sand	Moisture/Soil Drainage: G=Requires good drainage, W=Tolerates flooding, D=Tolerates drought/dry conditions	Utility Line Compatible	Air Pollution Tolerant	Salt Tolerant	Heat Tolerant	Messy Fruit, Nut, or Leaf Litter	Availability: C=Common in trade, O=Often, S=Small quantities	Native to US	Evergreen	Showy Flowers	Good Fall Color	Wildlife Habitat	Growth Rate: S=Slow, M=Moderate, F=Fast	Storm Resilience	Disease/Post Resistant				
Maple, Trident	Acer buergerianum		●	●	●	5-9	●	●	●	●					●			F	C	C,S	G,D		●	●	●	O								M	●	●			
Maple, Hedge	Acer campestre	'Queen Elizabeth', 'Evelyn'		●	●	5-8	●	●	●					●				P	A,N	C,S	G,D		●	●		C								S	●	●			
Maple, Paperbark	Acer griseum			●	●	5-8			●									P	A,N	C,S	G		●			O								S	●	●			
Maple, Red	Acer rubrum	'October Glory', 'Red Sunset', 'Sun Valley' Use regionally adapted cultivars	●	●	●	3-9	●			●	●	●	●	●				P	N	C,S	G,W					C	●							F		●	●		
Maple, Sugar	Acer saccharum	'Legacy', 'Green Mountain'		●	●	4-8	●			●		●	●	●				P	N	C,S	G					C	●							S	●	●			
Maple, Southern Sugar	Acer saccharum subsp. floridanum	A. saccharum subsp. Leucoderme	●	●		6-9	●			●	●	●	●	●				P	N	C,S	G,W					S	●							S	●	●			
Maple, Purple Blow	Acer truncatum		●	●	●	4-8	●	●	●					●				P	C	C,S	G,D		●			S									S				
Serviceberry	Amelanchier arborea	A. laevis, canadensis, x grandiflora, Susceptible to cedar-apple rust		●	●	4-9	●			●	●	●	●	●				P	N	C,S	G,W,D		●			C	●		●					S	●	●			
Pawpaw	Asimina triloba	'Allegheny', 'Potomac'	●	●	●	5-9				●	●	●	●	●				P,S	N	C,S	G,W					S	●							M	●	●			
Birch, River	Betula nigra	'Heritage', 'DuraHeat'	●	●	●	3-9	●		●	●	●	●	●	●				P	N	C,S	G,W					C	●							F	●	●			
Hornbeam, European	Carpinus betulus	'Fastigiata'		●	●	4-7	●	●	●					●				P	A,N	C,S	G,D					O								S	●	●			
Hornbeam, American	Carpinus caroliniana			●	●	3-9	●	●		●	●	●	●	●				P,S	N	C,S	G,W		●			O	●							S	●	●			
Pecan	Carya illinoensis		●	●	●	5-9	●			●	●	●	●	●				P	A,N	C,S	G,D		●			S	●								M	●	●		
Hickory species	Carya ssp.	C. Cordiformis, glabra, ovata	●	●	●	4-9	●			●		●	●	●				P	N	C,S	G,D					S	●							S	●	●			
Cedar, Atlas	Cedrus atlantica		●	●	●	6-9				●				●				P	A,N	C,S	G		●	●	●	O									M	●	●		
Cedar, Deodar	Cedrus deodara	C. libani, requires above average train pruning	●	●		7-9	●			●				●				F	A,N	C,S	G,D					O	●							F		●	●		
Hackberry	Celtis occidentalis	Celtis laevigata, x laevigata	●	●	●	3-9	●		●	●	●	●	●	●				P	A,N	C,S	G,W,D		●	●	●	O	●							F		●	●		
Katsura	Cercidiphyllum japonicum			●	●	4-8				●								F	N	C,S	G					C								F		●	●		
Redbud	Cercis canadensis	'Appalachian Red', 'Forest Pansy', var. texensis	●	●	●	4-9				●				●				P	A,N	C,S	G		●			C	●		●					F		●	●		
Cedar, Atlantic White	Chamaecyparis thyoides		●	●	●	4-9				●	●	●	●	●				P	C	S	G,W					S	●	●							M	●	●		
Fringetree, Chinese	Chionanthus retusus		●	●	●	5-9	●	●	●	●	●	●	●	●				P	A,N	C,S	G		●			O									M	●	●		
Fringetree, American	Chionanthus virginicus		●	●	●	4-9	●			●	●	●	●	●				P	A,N	C,S	G,W,D		●	●	●	C	●								S	●	●		
Yellowwood	Cladrastis kentukea	requires above average train pruning		●	●	4-8	●		●	●				●				F	A,N	S	G					O	●								S		●	●	
Dogwood, Flowering	Cornus florida	'Appalachian Spring', 'Cherokee Princess', Susceptible to armillaria root rot & anthracnose	●	●	●	5-9				●				●				P,S	N	C,S	G		●			C	●								M	●	●		
Dogwood, Kousa	Cornus kousa			●	●	5-8				●				●				P	C	C,S	G		●			O									S	●	●		
Dogwood, Cornelian-Cherry	Cornus mas			●	●	4-8	●			●				●				P	A,N	C,S	G					O	●								S	●	●		
Hazelnut, American	Corylus americana		●	●	●	4-9								●				P,S	N	C,S	G,D		●			S	●								F		●	●	
Smoketree, Common	Cotinus coggygria	'Royal Purple', requires above average train pruning	●	●	●	4-9				●				●				F	A,N	C,S	G		●			O									S		●	●	
Smoketree, American	Cotinus obovatus	requires above average train pruning	●	●	●	4-8	●	●	●	●	●	●	●	●				P	A,N	C,S	G,D		●	●	●	S	●								S	●	●		
Hawthorn, Washington	Crataegus phaenopyrum		●	●	●	4-8	●	●	●	●								F	A,N	C,S	G,D		●	●	●	S	●								S	●	●		
Hawthorn	Crataegus viridis	'Winter King', Susceptible to cedar-hawthorn rust		●	●	4-7	●	●	●					●				F	A,N	C,S	G,D		●	●		C	●								S	●	●		
Cedar, Japanese	Cryptomeria japonica	'Radicans', 'Yoshino'	●	●	●	5-8				●				●				P	C	C,S	G					C									F		●	●	
Persimmon, American	Diospyros virginiana	'Morris Burton'	●	●	●	4-9	●			●	●	●	●	●				P	A,N	C,S	G,W,D					S	●								S	●	●		
Beech, American	Fagus grandiflora		●	●	●	4-9				●				●				P,S	N	C,S	G		●			O	●									M		●	●

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Ginkgo	Ginkgo biloba	'Autumn Gold', use fruitless male cultivars for no mess	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	G,D	●	●	●	●	C	●	●	●	●	●	●	S	●	●
Honeylocust, Thornless	Gleditsia triacanthos var. inermis	'Shademaster'	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	P	A,N	C,S	D	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Kentucky Coffee Tree	Gymnocladus dioicus		●	●	●	3-8	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	G,W,D	●	●	●	●	S	●	●	●	●	●	●	S	●	●
Silverbell, Common	Halesia carolina	H. monticola	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	P	N	L	G	●	●	●	●	S	●	●	●	●	●	●	M	●	●
Witchhazel, Common	Hamamelis virginiana	H. vernalis, H. x intermedia (non-native)	●	●	●	3-9	●	●	●	●	●	●	●	●	●	●	●	●	P,S	N	C	G,W	●	●	●	●	O	●	●	●	●	●	●	S	●	●
Possumhaw	Ilex decidua	plant female cultivars with a male pollinator for fruit set	●	●	●	5-9	●	●	●	●	●	●	●	●	●	●	●	●	P,S	C	C,S	G,W,D	●	●	●	●	S	●	●	●	●	●	●	M	●	●
Holly, American	Ilex opaca	plant female cultivars with a male pollinator for fruit set	●	●	●	5-9	●	●	●	●	●	●	●	●	●	●	●	●	P,S	C	C	G,D	●	●	●	●	S	●	●	●	●	●	●	F	●	●
Holly, Yaupon	Ilex vomitoria	plant female cultivars with a male pollinator for fruit set	●	●	●	7-10	●	●	●	●	●	●	●	●	●	●	●	●	P,S	A,N	C,S	G,W,D	●	●	●	●	O	●	●	●	●	●	●	M	●	●
Holly, Foster	Ilex x attenuata 'Fosteri'	Ilex x Savannah	●	●	●	6-9	●	●	●	●	●	●	●	●	●	●	●	●	P	N	C,S	G,D	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Holly, Nellie R. Stevens	Ilex x Nellie R. Stevens	Ilex x 'Emily Brunner'	●	●	●	6-9	●	●	●	●	●	●	●	●	●	●	●	●	P	C	C,S	G,D	●	●	●	●	C	●	●	●	●	●	●	F	●	●
Redcedar, Eastern	Juniperus virginiana	'Brodie', 'Emerald Sentinel', 'Taylor'	●	●	●	3-9	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	G,D	●	●	●	●	C	●	●	●	●	●	●	F	●	●
Crape Myrtle	Lagerstroemia spp.	'Catawba', Muskogee, L. 'Natchez'	●	●	●	7-9	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	G,D	●	●	●	●	C	●	●	●	●	●	●	F	●	●
Sweetgum	Liquidambar styraciflua	'Rotundiloba' (fruitless) use fruitless cultivars for no mess	●	●	●	5-9	●	●	●	●	●	●	●	●	●	●	●	●	P	N	C,S	G,W,D	●	●	●	●	C	●	●	●	●	●	●	F	●	●
Tulip Poplar	Liriodendron tulipifera		●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	F	N	C,S	G,W	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Osage-Orange	Maclura pomifera	'Double O' (male), use fruitless male cultivars for no mess	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	W,D	●	●	●	●	S	●	●	●	●	●	●	F	●	●
Magnolia, Cucumbertree	Magnolia acuminata		●	●	●	4-8	●	●	●	●	●	●	●	●	●	●	●	●	F,P	A,N	C	G,W	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Magnolia, Southern	Magnolia grandiflora	'Little Gem', 'Brackens Brown Beauty', 'Alta', 'Kay Paris', 'Edith Bogue', 'Claudia Wanamaker', 'D.D. Blanchard'	●	●	●	6-10	●	●	●	●	●	●	●	●	●	●	●	●	P	A,N	C	G,W	●	●	●	●	C	●	●	●	●	●	●	M	●	●
Magnolia, Star	Magnolia stellata	M. x loebneri, M. liliiflora	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	P	N	C,S	G	●	●	●	●	C	●	●	●	●	●	●	S	●	●
Magnolia, Sweetbay	Magnolia virginiana	Moonglow'	●	●	●	5-9	●	●	●	●	●	●	●	●	●	●	●	●	P	C	C,S	G,W	●	●	●	●	C	●	●	●	●	●	●	F	●	●
Magnolia, Saucer	Magnolia X soulangiana		●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	P	C	L	G	●	●	●	●	C	●	●	●	●	●	●	M	●	●
Crabapple	Malus spp.	Prairifire', 'Donald Wyman', Susceptible to cedar-apple rust, scab, fire blight, etc.	●	●	●	4-8	●	●	●	●	●	●	●	●	●	●	●	●	F	N	C,S	G	●	●	●	●	C	●	●	●	●	●	●	M	●	●
Redwood, Dawn	Metasequoia glyptostroboides		●	●	●	4-8	●*	●	●	●	●	●	●	●	●	●	●	●	F	N	C,S	G,W,D	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Waxmyrtle, Southern	Myrica cerifera		●	●	●	7-11	●	●	●	●	●	●	●	●	●	●	●	●	P,S	A,N	C,S	G,W	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Black Gum	Nyssa sylvatica	'Green Gable', 'Wildfire', N. aquatica	●	●	●	4-9	●	●	●	●	●	●	●	●	●	●	●	●	P	C	C,S	W,D	●	●	●	●	C	●	●	●	●	●	●	S	●	●
Hop-hornbeam, American	Ostrya virginiana		●	●	●	3-9	●	●	●	●	●	●	●	●	●	●	●	●	P,S	A,N	C,S	G,D	●	●	●	●	S	●	●	●	●	●	●	S	●	●
Sourwood	Oxydendrum arboreum		●	●	●	5-9	●	●	●	●	●	●	●	●	●	●	●	●	P	C	C,S	G,D	●	●	●	●	S	●	●	●	●	●	●	S	●	●
Parrotia, Persian	Parrotia persica		●	●	●	4-8	●	●	●	●	●	●	●	●	●	●	●	●	P	A,N	C,S	G,D	●	●	●	●	O	●	●	●	●	●	●	S	●	●
Spruce, Serbian	Picea omorika		●	●	●	4-7	●	●	●	●	●	●	●	●	●	●	●	●	P	A,N	C,S	G	●	●	●	●	O	●	●	●	●	●	●	S	●	●
Spruce, Colorado	Picea pungens		●	●	●	3-7	●	●	●	●	●	●	●	●	●	●	●	●	P	A,N	C	G,D	●	●	●	●	O	●	●	●	●	●	●	S	●	●
Pine, Longleaf	Pinus palustris		●	●	●	7-10	●	●	●	●	●	●	●	●	●	●	●	●	F	A,N	C,S	G,D	●	●	●	●	O	●	●	●	●	●	●	F	●	●
Pine, White	Pinus strobus		●	●	●	3-8	●	●	●	●	●	●	●	●	●	●	●	●	P	C	S	G	●	●	●	●	O	●	●	●	●	●	●	F	●	●



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Zelkova, Japanese	Zelkova serrata	'Green Vase'	●	●		4-8	●			●					●				A, N	C, S	D	●				C			●				M		●