



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category									
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																
		D	W		Bottlebrush Buckeye	Aesculus parviflora					Y			Y	Y	
		E			Florida Leucothoe, Florida-hobblebush	Agarista populifolia				Y	Y			Y	Y	
		D	W		Allegheny Chinkapin	Castanea pumila					Y			Y	Y	
		D	W		New Jersey Tea, Redroot, Wild Snowball	Ceanothus americanus			Y		Y			Y	Y	
	D	D	W	T	Buttonbush	Cephalanthus occidentalis					Y			Y	Y	
		D			American Filbert, American Hazelnut	Corylus americana					Y			Y	Y	
					Cockspur Hawthorn	Crataegus crus-galli									Y	
		E	W		Dense St. Johnswort, Dense Hypericum	Hypericum densiflorum			Y				Y	Y	Y	
		E	W		Golden St. Johnswort	Hypericum frondosum			Y	Y			Y	Y	Y	
		E	W	T	Small Anise-Tree / Yellow Anise-tree	Illicium parviflorum			Y		Y	Y	Y	Y	Y	
		E	W	T	Eastern Redcedar	Juniperus virginiana			Y			Y	Y	Y	Y	
		E	W	T	Mountain Laurel	Kalmia latifolia					Y				Y	
	D				American Crabapple, Sweet Crabapple	Malus coronaria								Y		
		D			American Plum, American Wild Plum, Wild Plum	Prunus americana								Y		
					Chickasaw Plum	Prunus angustifolia									Y	
D			W	T	White Oak	Quercus alba	Y	Y						Y	Y	
D				T	Overcup Oak	Quercus lyrata	Y	Y	Y				Y	Y	Y	
		D	W	T	Fragrant Sumac	Rhus aromatica			Y	Y			Y	Y	Y	
		D	W		Sumac	Rhus typhina					Y	Y			Y	
D			W	T	American Elm, White Elm	Ulmus americana	Y	Y	Y				Y	Y	Y	
		D	W	T	Brook-Feather, Yellowroot	Xanthorhiza simplicissima			Y	Y			Y	Y	Y	
	D	D			Common Silverbell, Mountain Silverbell, Silverbell Tree	Halesia monticola					Y				Y	
D	D			T	Black Cherry, Wild Cherry, Cabinet Cherry, Rum Cherry	Prunus serotina		Y						Y		
		D	W	T	American Dogwood, Creek Dogwood, Red Osier Dogwood, Redstem Dogwood, Red Twig Dogwood, Redtwig Dogwood, Red Willow, Tatarian Dogwood, Western Dogwood	Cornus sericea				Y	Y			Y	Y	
				T	American Swamp Lily, Lizard's Tail	Saururus cernuus				Y					Y	
		D		T	Hardhack, Steeplebush, Rosy Meadowsweet	Spiraea tomentosa				Y					Y	
D			W	T	River Birch	Betula nigra	Y	Y	Y				Y	Y	Y	
	E		W		Atlantic Whitecedar, Whitecedar Falsecypress	Chamaecyparis thyoides					Y	Y		Y	Y	

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category									
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Legend																
D			Deciduous													
E			Evergreen													
S			Semi-evergreen													
W			Water-wise													
T			Deer Tolerant													
	E		W	T	American Holly, Christmas Holly	Ilex opaca				Y	Y			Y	Y	
E	E		W		Topel Holly, Foster's Hybrid Hollies	Ilex x attenuata		Y	Y		Y	Y	Y	Y		
	E		W	T	Common Juniper	Juniperus communis								Y		
E			W	T	Eastern Redcedar	Juniperus virginiana		Y	Y		Y	Y	Y	Y		
D			W	T	Sweetgum	Liquidambar styraciflua	Y	Y	Y			Y	Y	Y		
D			W		Tulip Poplar 'Little Volunteer'	Liriodendron tulipifera	Y	Y	Y			Y	Y	Y		
D			W	T	Tulip Poplar, Yellow Poplar, Tuliptree	Liriodendron tulipifera		Y						Y	Y	
D				T	Cucumber Tree	Magnolia acuminata		Y						Y		
D					Big-leaf Magnolia	Magnolia macrophylla		Y						Y		
D			W	T	Blackgum, Black Gum, Black Tupelo, Sourgum, Pepperidge, Tupelo Gum	Nyssa sylvatica	Y	Y							Y	
D			W		Swamp Tupelo	Nyssa sylvatica var. biflora		Y							Y	
E				T	Shortleaf Pine	Pinus echinata		Y						Y		
E				T	Eastern White Pine, Northern White Pine, Weymouth Pine, and Soft Pine	Pinus strobus				Y						
E	E			T	Virginia Pine	Pinus virginiana				Y						
	E		W	T	Caroline Cherry	Prunus caroliniana				Y	Y				Y	
D			W	T	Scarlet Oak	Quercus coccinea	Y	Y	Y			Y	Y	Y	Y	
D				T	Pin Oak	Quercus palustris	Y	Y				Y	Y	Y	Y	
D			W		Shumard Oak, Shumard's Oak, Shumard Red Oak, Swamp Red Oak, Spotted Oak	Quercus shumardii	Y	Y	Y			Y	Y	Y	Y	
D				T	Pond Cypress	Taxodium ascendens	Y	Y	Y			Y	Y	Y	Y	
D				T	Bald Cypress	Taxodium distichum	Y	Y	Y			Y	Y	Y	Y	
		E			Eastern or American Arborvitae, White Cedar	Thuja occidentalis			Y			Y	Y	Y		
		E			Eastern or American Arborvitae, White Cedar	Thuja occidentalis			Y		Y	Y	Y	Y		
D			W		American Linden, Basswood	Tilia americana	Y	Y						Y		
SE			W	T	Southern Sugar Maple, Florida Maple	Acer barbatum	Y	Y	Y				Y	Y	Y	
	SE		W		Chalkbark, Chalk Maple, Whitebark Maple	Acer leucoderme								Y		
D				T	Red Maple, Eastern Red Maple	Acer rubrum	Y	Y						Y	Y	
D				T	Sugar Maple	Acer saccharum	Y	Y						Y		
D				T	Yellow Buckeye	Aesculus flava		Y							Y	
D				T	Yellow Buckeye	Aesculus octandra		Y							Y	
	D	D		T	Painted Buckeye	Aesculus sylvatica					Y			Y	Y	



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category									
Canopy	Understory	Shrub	Drought Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
<div><div>Legend</div><div>D Deciduous</div><div>E Evergreen</div><div>S Semi-evergreen</div><div>W Water-wise</div><div>T Deer Tolerant</div></div>															
	D	D	W		Tag Alder, Hazel Alder, Common Alder, Smooth Alder	Alnus serrulata								Y	Y
	D			T	Common serviceberry	Amelanchier arborea		Y				Y	Y	Y	
		D	W		Shadblow Serviceberry, Thicket Serviceberry, Eastern Serviceberry, Sarvisberry, Shad	Amelanchier canadensis					Y			Y	Y
		D	W		Dwarf Serviceberry, Shadbush	Amelanchier spicata								Y	Y
		D	W		False indigo, Lead Plant, Prairie Shoestring	Amorpha canescens								Y	Y
		D	W		Red Chokeberry	Aronia arbutifolia								Y	Y
		D	W		Black chokeberry	Aronia melanocarpa								Y	Y
		D			Dwarf Pawpaw, Small-flowered Pawpaw	Asimina parviflora									Y
				T	paw-paw	Asimina triloba									Y
D					Yellow Birch	Betula alleghaniensis	Y			Y					Y
D				T	Sweet Birch	Betula lenta		Y		Y					Y
		D	W		American Beautyberry	Callicarpa americana								Y	Y
		D	W	T	Common Sweetshrub, Carolina Allspice, Strawberry Shrub, Sweet shrub; Sweet Betsy, Carolina allspice	Calycanthus floridus		Y			Y	Y	Y	Y	Y
	D				American Hornbeam	Carpinus caroliniana			Y			Y	Y	Y	
D					Bitternut Hickory, Swamp Hickory	Carya cordiformis		Y						Y	
D				T	Pignut Hickory	Carya glabra		Y						Y	
D			W		Pecan	Carya illinoensis		Y						Y	
D				T	Shagbark Hickory	Carya ovata		Y						Y	
D				T	Sugar Hackberry	Celtis laevigata	Y	Y	Y				Y	Y	Y
D			W		Common Hackberry	Celtis occidentalis	Y	Y						Y	Y
	D			T	Eastern Redbud, Judas-tree	Cercis canadensis		Y				Y	Y	Y	
		E	W		Atlantic Whitecedar	Chamaecyparis thyoides				Y	Y			Y	Y
	D	D	W		White Fringetree, Fringe tree, Old man's beard	Chionanthus virginicus		Y				Y	Y	Y	Y
D					Yellowwood	Cladrastis kentukea	Y	Y							Y
	D			T	Mountain Sweet-pepperbush, Mountain White-alder	Clethra acuminata								Y	Y
		D	W	T	Clethra, Pepperbush, Summersweet, Coastal Sweet-pepperbush	Clethra alnifolia		Y				Y	Y	Y	Y

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type	Tolerance	Common Names	Scientific Name	Category	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tee and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant										
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>														
		D		T	Sweetfern, Sweetfern, Comptonie Voyageuse, Sweet Fern								Y	
		D		T	Alternate-leaf Dogwood, Pagoda Cornel, Pagoda Dogwood		Y		Y	Y			Y	
		D	W	T	Silky Dogwood, Gray Dogwood					Y			Y	Y
		D		T	Flowering Dogwood								Y	Y
		D	W		Gray Dogwood					Y			Y	Y
		D	W		American Smoketree		Y				Y	Y	Y	
		D	W		Mayhaw Hawthorn, Parsley Hawthorn, Parsley Haw									Y
		D	W	T	Washington Hawthorn, Washington Thorn				Y	Y			Y	Y
		D	W		Green Hawthorn, Southern Hawthorn				Y	Y			Y	Y
		E	E	T	Swamp Cyrilla, Leatherwood, Ti-ti								Y	Y
		D	W		Shrubby Cinquefoil		Y	Y		Y	Y	Y	Y	Y
		D	W	T	Bush-honeysuckle					Y			Y	
		D	W		Eastern Persimmon		Y						Y	Y
		D	W	T	Leatherwood					Y			Y	Y
		D	W	T	American Beech		Y						Y	Y
		D		T	Dwarf Fothergilla					Y			Y	Y
		D			Large Fothergilla, Large Witch-alder, Mountain Witch-alder, Tall Fothergilla					Y			Y	Y
		D	W	T	White Ash	Y								
		D	W	T	Green Ash	Y								
		D	W		Thornless Honeylocust	Y	Y	Y				Y	Y	Y
		D	W		Kentucky Coffeetree, Kentucky Mahogany	Y	Y						Y	
		D			Carolina Silverbell	Y		Y				Y	Y	Y
		D			Silverbell								Y	Y
		D			Common Silverbell, Mountain Silverbell, Snowdrop-tree	Y		Y				Y	Y	Y
		D		T	Smooth Hydrangea, Wild Hydrangea, Sevenbark					Y			Y	Y
		D	W		Oakleaf Hydrangea			Y		Y	Y	Y	Y	Y
		E	W		Shrubby St. Johnswort			Y	Y			Y	Y	
		D	W		Deciduous Holly, Possumhaw								Y	Y
		D	W		Possumhaw, Possumhaw Holly, Possum-haw								Y	

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category									
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Legend																
D			Deciduous													
E			Evergreen													
S			Semi-evergreen													
W			Water-wise													
T			Deer Tolerant													
		E	W		Inkberry Holly, Little Galberry	Ilex glabra			Y	Y		Y	Y	Y	Y	Y
		E	W	T	Yaupon Holly	Ilex vomitoria			Y	Y		Y	Y	Y	Y	Y
	E		W	T	Yaupon Holly	Ilex vomitoria			Y		Y	Y	Y	Y	Y	Y
		E	W	T	Virginia Sweetspire, Virginia-willow, Sweet-spire, Tassel-white	Itea virginica			Y				Y	Y	Y	Y
D			W		Black Walnut	Juglans nigra		Y							Y	
		E		T	Coastal Leucothoe, Dog-Hobble	Leucothoe axillaris						Y				Y
		E		T	Mountain Doghobble, Drooping Leucothoe, Dog Hobble, Fetterbush	Leucothoe fontanesiana						Y			Y	Y
D					Umbrella Magnolia, Umbrella-tree	Magnolia tripetala						Y				
	D				Southern Crabapple, Wild Crabapple, Narrow-leaved Crabapple	Malus angustifolia									Y	Y
	E	E	W	T	Southern Wax Myrtle, Common Wax-myrtle	Myrica cerifera			Y		Y	Y	Y	Y	Y	Y
D			W		Water Tupelo	Nyssa aquatica	Y	Y								Y
	E	E		T	Devilwood	Osmanthus americanus										Y
D	D		W	T	American Hophornbeam, Ironwood, American Hop-hornbeam, Eastern Hop Hornbeam	Ostrya virginiana		Y							Y	Y
D	D			T	Sourwood, Sorrel-tree	Oxydendrum arboreum		Y								Y
		D	W		Atlantic Ninebark, Common Eastern Ninebark	Physocarpus opulifolius						Y			Y	Y
E				T		Pinus palustris		Y								
D			W	T	Sycamore, American Planetree	Platanus occidentalis		Y								Y
					Choke Cherry	Prunus virginiana										Y
D			W	T	Swamp White Oak	Quercus bicolor	Y	Y	Y					Y	Y	Y
D			W	T	Southern Red Oak, Spanish Oak	Quercus falcata	Y	Y	Y					Y	Y	Y
D			W	T	Shingle Oak	Quercus imbricaria	Y	Y	Y					Y	Y	Y
D					Laurel Oak, Swamp Laurel Oak, Diamond-leaf Oak	Quercus laurifolia	Y	Y	Y					Y	Y	Y
D			W	T	Blackjack Oak	Quercus marilandica										Y
D			W	T	Swamp Chestnut Oak	Quercus michauxii	Y	Y	Y					Y	Y	Y
D			W	T	Chestnut Oak, Rock Chestnut Oak, Rock Oak, Mountain Chestnut Oak	Quercus montana	Y	Y	Y					Y	Y	Y
D			W	T	Water Oak	Quercus nigra		Y								Y
D				T	Cherrybark Oak, Pagoda Oak, Swamp Spanish Oak	Quercus pagoda	Y	Y	Y					Y	Y	Y
D				T	Willow Oak	Quercus phellos		Y	Y					Y	Y	Y

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type	Tolerance		Common Names	Scientific Name	Category									
	Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>														
D				W	T	Northern Red Oak, Red Oak	Quercus rubra	Y	Y	Y			Y	Y
D				W	T	Post Oak, Iron Oak	Quercus stellata	Y	Y	Y			Y	Y
D				W	T	Black Oak, Eastern Black Oak	Quercus velutina	Y						Y
E					T	Live Oak	Quercus virginiana	Y					Y	Y
			D	W		Carolina Buckthorn, Indian Cherry	Rhamnus caroliniana		Y		Y	Y	Y	Y
			D			Sweet Azalea, Smooth Azalea	Rhododendron arborescens				Y			Y
			D			Coast Azalea, Dwarf Azalea	Rhododendron atlanticum				Y			Y
			D	W		Florida Azalea	Rhododendron austrinum				Y			Y
			D			Flame Azalea	Rhododendron calendulaceum				Y			Y
			D			Sweet-Piedmont Azalea, Florida Pinxter Azalea	Rhododendron canescens				Y			Y
			E			Catawba Rhododendron, Mountain Rosebay	Rhododendron catawbiense				Y			Y
			D			Cumberland Azalea	Rhododendron cumberlandense				Y			Y
			E			Rosebay Rhododendron, Great laurel	Rhododendron maximum							Y
			E			Carolina or Piedmont Rhododendron, Gorge Rhododendron, Punctatum, Dwarf Rhododendron, Carolina Laurel	Rhododendron minus				Y			Y
			D			Pinxterbloom Azalea, Wild or Pinxter Azalea	Rhododendron periclymenoides				Y			Y
			D			Roseshell Azalea	Rhododendron prinophyllum				Y			Y
			D			Pinkshell Azalea	Rhododendron vaseyi				Y			Y
			D			Swamp Azalea, Clammy Azalea	Rhododendron viscosum				Y			Y
			D	W		Winged Sumac, Flameleaf, Shining Sumac	Rhus copallinum		Y			Y	Y	Y
			D	W		Smooth Sumac	Rhus glabra		Y			Y	Y	Y
D			W			Black Locust	Robinia pseudoacacia	Y						Y
			D	W		Pasture Rose, Carolina Rose	Rosa carolina				Y			Y
			D			Swamp Rose	Rosa palustris							Y
			D	W		Virginia Rose	Rosa virginiana				Y			Y
			D			Coastal Plain Willow	Salix caroliniana							Y
			W		T	Black Willow	Salix nigra							Y
			D			Silky Willow	Salix sericea							Y
			D	W		Common Elderberry	Sambucus canadensis				Y			Y
D	D				T	Sassafras, White Sassafras, Ague Tree, Sassy Tree	Sassafras albidum	Y						Y

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type	Tolerance	Common Names	Scientific Name	Category	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Canopy														
Understory														
Shrub														
Drought Tolerant														
Deer Tolerant														
<div>Legend</div> <div> D Deciduous E Evergreen S Semi-evergreen W Water-wise T Deer Tolerant </div>														
	D		Silky Stewartia	Stewartia malacodendron						Y			Y	Y
	D	W	Mountain Stewartia	Stewartia ovata						Y			Y	Y
	D	D	American Snowbell	Styrax americanus						Y			Y	Y
	D	D	Bigleaf Snowbell	Styrax grandifolius						Y			Y	Y
	D		Low Bush Blueberry, Low Sweet Blueberry	Vaccinium angustifolium		Y	Y			Y				
	D	D	Farkleberry, Sparkleberry	Vaccinium arboreum						Y			Y	Y
	D		Highbush Blueberry, Smooth Highbush Blueberry	Vaccinium corymbosum		Y				Y	Y	Y	Y	Y
	D	W	Elliott's Blueberry, Mayberry	Vaccinium elliotii						Y			Y	Y
	D		Southern Highbush Blueberry, Southern Blueberry, Swamp Highbush Blueberry	Vaccinium formosum				Y						
	D	W	Hillside Blueberry, Dryland Blueberry, Late Lowbush Blueberry, Blue Ridge Blueberry	Vaccinium pallidum		Y	Y			Y	Y	Y	Y	Y
	D	W	Deerberry, Common Deerberry	Vaccinium stamineum						Y			Y	Y
	D	W	Small Black Blueberry, Narrowleaf Blueberry, Small-cluster Blueberry, Southern Blueberry	Vaccinium tenellum			Y			Y			Y	Y
	D		Rabbiteye Blueberry	Vaccinium virgatum		Y				Y	Y	Y	Y	Y
	D	W	Mapleleaf Viburnum, Maple-leaved Viburnum, Dockmackie	Viburnum acerifolium						Y			Y	Y
	D	W	Bracted Viburnum	Viburnum bracteatum		Y				Y	Y	Y	Y	Y
	D		Witherod Viburnum, Northern Wild-raisin, With-rod, Shawnee Haw	Viburnum cassinoides										Y
	D	W	Southern Arrowwood, Arrowwood Viburnum, Roughish Arrowwood, Smooth Arrowwood	Viburnum dentatum		Y				Y	Y	Y	Y	Y
	D	W	Nannyberry Viburnum, Sheepberry	Viburnum lentago		Y				Y	Y	Y	Y	Y
	D	W	Smooth Witherod, Possum-Haw Viburnum	Viburnum nudum		Y				Y	Y	Y	Y	Y
	D	W	Smooth Blackhaw, Black Haw, Nannyberry, Blackhaw Viburnum	Viburnum prunifolium		Y				Y	Y	Y	Y	Y
	D	W	Downy Arrow-wood, Downy Arrowwood	Viburnum rafinesqueanum									Y	

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category									
Canopy	Understory	Shrub	Drought Tolerant			Deer Tolerant	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	Butters: Constructed / Miligated	Butters: Natural / Stream
Legend															
D			Deciduous												
E			Evergreen												
S			Semi-evergreen												
W			Water-wise												
T			Deer Tolerant												
		D	W	T	Rusty Blackhaw, Southern Blackhaw, Rusty Nannyberry, Blue Haw	Viburnum rufidulum			Y			Y	Y	Y	Y
		E	W	T	Adam's Needle, Beargrass, Curlyleaf Yucca, Spoonleaf Yucca	Yucca filamentosa			Y			Y	Y	Y	Y
		E	W		Weakleaf Yucca, Beargrass	Yucca flaccida			Y			Y	Y	Y	Y
		D			Dusty Zenobia, Honeycup	Zenobia pulverulenta						Y			Y
		D		T	Serviceberry	Amelanchier laevis			Y				Y	Y	Y
		D			Strawberry Bush, 'Hearts-a-Burstin'	Euonymus americanus						Y			Y
	D	D		T	Common Witchhazel, American Witch-hazel, Northern Witch-hazel	Hamamelis virginiana						Y			Y
		D	W	T	Common Winterberry, Black Alder, Winterberry Holly	Ilex verticillata									Y
		D			Spice Bush, Northern Spicebush, Smooth Northern Spicebush	Lindera benzoin						Y			Y
E	E		W	T	Sweetbay Magnolia	Magnolia virginiana		Y							Y
		E	W		Sweetbay Magnolia	Magnolia virginiana									Y
D						Quercus (many native species)									
		D			Native Azaleas and Rhododendrons	Rhododendron (many native species)									
		D			Blueberries	Vaccinium (many native species)									
		D			Native Viburnum	Viburnum (many native species)									

Category	Definition
Residential Street Trees	Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities).
Between Lot Plantings	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.
Foundation Plantings	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.
Site Distance Triangle	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.
Screening	Plants that can visually block objects or areas on the other side.
Vehicular Service Area (VSA): Perimeter Buffer	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.
Vehicular Service Area (VSA): Interior Landscaping	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.
Vehicular Service Area (VSA): Tree and Terminal Islands	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.
Buffers: Constructed / Mitigated	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.
Buffers: Natural / Stream	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil	Preference Notes	Additional Notes	
Canopy	Understory	Shrub	Drought Tolerant			Deer Tolerant	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet				Occasional Flooding
Legend																															
D	Deciduous																														
E	Evergreen																														
S	Semi-evergreen																														
W	Water-wise																														
T	Deer Tolerant																														
		D	W		Bottlebrush Buckeye	Aesculus parviflora					Y		Y	Y	broad	multi-stemmed	8'-12'	8'- 15'		Part Sun	Shade						Prefers moist, well-drained soil rich in organic content; prefers acid pH, but adaptable	All parts are poisonous if eaten			
		E			Florida Leucothoe, Florida-hobblebush	Agarista populifolia				Y	Y		Y	Y	broad	multi-stemmed	8'-12'	4'-8'		Part Sun	Shade			Occasionally Wet				Leaves are poisonous if eaten			
		D	W		Allegheny Chinkapin	Castanea pumila					Y		Y	Y	broad	rounded	15'-30'	10'-20'		Part Sun			Occasionally Dry								
		D	W		New Jersey Tea, Redroot, Wild Snowball	Ceanothus americanus			Y		Y		Y	Y	broad	multi-stemmed	2'-4'	3'-5'	Full Sun	Part Sun		Dry					Found in sandy woods, dry prairies, mixed deciduous forests; very adaptable				
		D	D	W	T	Buttonbush	Cephalanthus occidentalis					Y		Y	Y	broad	multi-stemmed	3'-8'+	3'-6'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet						
		D			American Filbert, American Hazelnut	Corylus americana					Y		Y	Y	broad	multi-stemmed	8'-12'+	8'-13'	Full Sun	Part Sun	Shade		Occasionally Dry					loamy soil; pH-adaptable			
					Cockspur Hawthorn	Crataegus crus-galli							Y		broad	rounded	15'-35'	20'-35'	Full Sun												
		E	W		Dense St. Johnswort, Dense Hypericum	Hypericum densiflorum			Y			Y	Y	Y	broad	multi-stemmed	2'-6'	3'-6'	Full Sun	Part Sun				Occasionally Wet							
		E	W		Golden St. Johnswort	Hypericum frondosum			Y	Y		Y	Y	Y	broad	multi-stemmed	3'-4'	3'-4'	Full Sun	Part Sun			Occasionally Dry					'Sunburst' lower-growing than the species and superior to the species in the heat, humidity, and poorly-drained soils of the Southeast			
		E	W	T	Small Anise-Tree / Yellow Anise-tree	Illicium parviflorum			Y		Y	Y	Y	Y	broad	multi-stemmed	8'-15'	6'-10'		Part Sun	Shade		Occasionally Dry	Occasionally Wet							
		E	W	T	Eastern Redcedar	Juniperus virginiana			Y			Y	Y	Y	broad	multi-stemmed	3'-6'	4'-8'	Full Sun								Tolerant of poor, dry, rocky and urban soils, but does best in deep loamy soils with good drainage; pH Tolerant				
		E	W	T	Mountain Laurel	Kalmia latifolia					Y		Y	Y	broad	multi-stemmed	1.5'-15'	1.5'-10'	Full Sun	Part Sun			Occasionally Dry				Prefers acid, cool soil; best on steep, north-facing stream banks where used in riparian buffers	All parts are poisonous if eaten; drought-tolerant when given preferred growth conditions			
		D			American Crabapple, Sweet Crabapple	Malus coronaria							Y		broad	multi-stemmed	15'-30'	20'-30'	Full Sun	Part Sun			Occasionally Dry								
		D			American Plum, American Wild Plum, Wild Plum	Prunus americana							Y		broad	multi-stemmed	10'-20'	15'-25'	Full Sun	Part Sun			Occasionally Dry					Spines/Thorns			
					Chickasaw Plum	Prunus angustifolia							Y		broad	multi-stemmed	4'-15'	4'-20'										Spines/Thorns			
D			W	T	White Oak	Quercus alba	Y	Y					Y		broad	rounded	50'-135'	50'-80'	Full Sun	Part Sun			Occasionally Dry					Taproot makes it difficult to transplant			
D				T	Overcup Oak	Quercus lyrata	Y	Y	Y			Y	Y	Y	broad	rounded	35'-50'	35'-50'	Full Sun	Part Sun						Occasional Flooding		Well adapted to urban sites			
		D	W	T	Fragrant Sumac	Rhus aromatica			Y	Y		Y	Y	Y	broad	multi-stemmed	2'-6'	4'-8'	Full Sun	Part Sun			Occasionally Dry					good for bank stabilization			
		D	W		Sumac	Rhus typhina				Y	Y			Y	broad	multi-stemmed	8'-25'	8'-25'	Full Sun												
D			W	T	American Elm, White Elm	Ulmus americana	Y	Y	Y			Y	Y	Y	broad	vase	60'-80'	30'-60'	Full Sun	Part Sun		Dry		Occasionally Wet				Consider cultivars with resistance to Dutch Elm Disease, such as 'Princeton', although some have been infected			
		D	W	T	Brook-Feather, Yellowroot	Xanthorhiza simplicissima			Y	Y		Y	Y	Y	broad	multi-stemmed	1'-3'	2'-10'		Part Sun	Shade		Occasionally Dry	Occasionally Wet			acidic soils				
		D	D		Common Silverbell, Mountain Silverbell, Silverbell Tree	Halesia monticola					Y			Y	columnar	multi-stemmed	20'-40'	15'-35'	Full Sun	Part Sun				Occasionally Wet							



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding			
<div>Legend</div> <div>DDeciduous</div> <div>EEvergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																														
D	D			T	Black Cherry, Wild Cherry, Cabinet Cherry, Rum Cherry	Prunus serotina		Y						Y	columnar	rounded	45'-70'	30'-60'	Full Sun				Occasionally Dry				Wide variety of soils, but prefers high loam content	All parts are poisonous if eaten (except the fruit)		
		D	W	T	American Dogwood, Creek Dogwood, Red Osier Dogwood, Redstart Dogwood, Red Twig Dogwood, Redwing Dogwood, Red Willow, Tatarian Dogwood, Western Dogwood	Cornus sericea				Y	Y			Y	multi-stemmed		5'-9'	5'-10'	Full Sun	Part Sun			Occasionally Dry			Occasional Flooding	Prefers alkaline soils			
				T	American Swamp Lily, Lizard's Tail	Saururus cernuus			Y					Y	multi-stemmed		1'-4'	1'-2'		Part Sun	Shade					Occasional Flooding	Prefers wet soils			
		D		T	Steeplebush, Rosy Meadowsweet	Spiraea tomentosa			Y					Y	multi-stemmed		2'-4'	3'-5'	Full Sun					Occasionally Wet						
D			W	T	River Birch	Betula nigra	Y	Y	Y				Y	Y	Y	pyramidal	multi-stemmed	40'-90'	30'-60'	Full Sun	Part Sun			Occasionally Wet				Dura-Heat® or Heritage® are less prone to leaf spot and aphids		
	E		W		Atlantic Whitecedar, Whitecedar, Falsecypress	Chamaecyparis thyoides				Y	Y			Y	Y	pyramidal		60'-80'	30'-40'	Full Sun	Part Sun					Occasional Flooding	Prefers wet areas, swamps;			
	E		W	T	American Holly, Christmas Holly	Ilex opaca				Y	Y			Y	Y	pyramidal		25'-60'	10'-20'	Full Sun	Part Sun		Occasionally Dry	Occasionally Wet				Slow growing; protect from winter wind and sun		
E	E		W		Topel Holly, Foster's Hybrid Hollies	Ilex x attenuata		Y	Y		Y	Y	Y	Y	pyramidal		12'-30'	6'-18'	Full Sun	Part Sun										
	E		W	T	Common Juniper	Juniperus communis								Y	pyramidal	multi-stemmed	5'-15'	4'-10'	Full Sun			Dry			Wet		Not as heat-tolerant as other junipers, otherwise tough plant; can be short-lived			
E			W	T	Eastern Redcedar	Juniperus virginiana		Y	Y		Y	Y	Y	Y	pyramidal		8'-40'	4'-20'	Full Sun				Occasionally Dry			Does not tolerate wet sites; tolerates dry conditions and poor soils, but best in deep, loamy soils with good drainage;				
D			W	T	Sweetgum	Liquidambar styraciflua	Y	Y	Y				Y	Y	Y	pyramidal	rounded	50'-100'	40'-50'	Full Sun	Part Sun		Occasionally Dry	Occasionally Wet			pH tolerant	Brittle wood; poor nursery tree		
D			W		Tulip Poplar 'Little Volunteer'	Liriodendron tulipifera	Y	Y	Y				Y	Y	Y	pyramidal	rounded	30'-35'	18'-20'	Full Sun	Part Sun		Occasionally Dry							
D			W	T	Tulip Poplar, Yellow Poplar, Tuliptree	Liriodendron tulipifera		Y						Y	Y	pyramidal	rounded	70'-130'	30'-60'	Full Sun	Part Sun		Occasionally Dry				acidic soils	Best in areas where space is not limited		
D				T	Cucumber Tree	Magnolia acuminata		Y						Y	pyramidal	rounded	50'-80'	35'-60'	Full Sun	Part Sun			Occasionally Wet							
D					Big-leaf Magnolia	Magnolia macrophylla		Y						Y	pyramidal	rounded	30'-40'	30'-40'	Full Sun	Part Sun										
D			W	T	Blackgum, Black Gum, Black Tupelo, Sourgum, Pepperidge, Tupelo Gum	Nyssa sylvatica		Y	Y					Y	pyramidal		30'-70'	20'-40'	Full Sun	Part Sun			Occasionally Dry				Some heat and drought-tolerance			
D			W		Swamp Tupelo	Nyssa sylvatica var. biflora		Y						Y	Y	pyramidal		40'-50'	25'	Full Sun					Wet					
E				T	Shortleaf Pine	Pinus echinata		Y						Y	pyramidal		80'-100'	20'-40'	Full Sun				Occasionally Dry							
E				T	Eastern White Pine, Northern White Pine, Weymouth Pine, and Soft Pine	Pinus strobus					Y				pyramidal	rounded	50'-80'	20'-40'	Full Sun	Part Sun			Occasionally Dry							



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Canopy	Understory	Shrub	Drought Tolerant			Deer Tolerant	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet			Occasional Flooding																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding		
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																														
	D	D	W		Tag Alder, Hazel Alder, Common Alder, Smooth Alder	Alnus serrulata								Y	Y	rounded	multi-stemmed	6'-20'	8'-20'	Full Sun	Part Sun				Occasionally Wet			Prefers moist soils with good drainage best; found along stream, pond, and lake edges; suckering, colonizing shrub or mass of small trees and can spread to exclude other species; is tolerant of dry and poor soil conditions	More tolerant of diseases and conditions than L. fontanesiana or L. axillaris; can be maintained at smaller, shrub height with pruning; needs, cool, moist, environment;	
		D		T	Common serviceberry	Amelanchier arborea			Y				Y	Y	Y	rounded	multi-stemmed	15'-25'	10'-15'	Full Sun	Part Sun				Occasionally Wet					
		D	W		Shadblow Serviceberry, Thicket Serviceberry, Eastern Serviceberry, Sarvisberry, Shad	Amelanchier canadensis							Y			Y	Y	rounded	multi-stemmed	15'-25'	15'-20'	Full Sun	Part Sun			Occasionally Wet			good organic content; pH tolerant	Grows in bogs, swamps and along the coast in the wild; pollution-tolerant
		D	W		Dwarf Serviceberry, Shadbush	Amelanchier spicata								Y	Y	rounded	multi-stemmed	3'-5'	3'-5'	Full Sun	Part Sun			Occasionally Dry						
		D	W		False indigo, Lead Plant, Prairie Shoestring	Amorpha canescens								Y	Y	rounded	multi-stemmed	3'-6'	4'-5'	Full Sun	Part Sun			Occasionally Dry						
		D	W		Red Chokeberry	Aronia arbutifolia								Y	Y	rounded	multi-stemmed	6'-10'	3'-5'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet				Adaptable to many soil types, even poor soils; pH tolerant	
		D	W		Black chokeberry	Aronia melanocarpa								Y	Y	rounded	multi-stemmed	3'-10'	3'-5'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet				Prefers good drainage, but will grow in low, wet areas or in dry sand	
		D			Dwarf Pawpaw, Small-flowered Pawpaw	Asimina parviflora									Y	rounded		3'-12'	2'-6'	Full Sun	Part Sun			Occasionally Dry						
				T	paw-paw	Asimina triloba									Y	rounded		15'-30'	15'-30'	Full Sun	Part Sun	Shade			Occasionally Wet					
D					Yellow Birch	Betula alleghaniensis		Y			Y				Y	rounded		60'-80'	60'-80'	Full Sun	Part Sun				Occasionally Wet					high maintenance
D				T	Sweet Birch	Betula lenta		Y			Y				Y	rounded	pyramidal	60'-70'	35'-45'	Full Sun	Part Sun	Shade		Occasionally Dry						
		D	W		American Beautyberry	Callicarpa americana									Y	Y	rounded	multi-stemmed	3'-8'	3'-5'	Full Sun	Part Sun								Denser and better fruit in full sun
		D	W	T	Common Sweetshrub, Carolina Allspice, Strawberry Shrub, Sweet shrub; Sweet Betsy, Carolina allspice	Calycanthus floridus			Y				Y	Y	Y	Y	rounded	multi-stemmed	6'-12'	6'-12'	Full Sun	Part Sun	Shade		Occasionally Dry			Occasional Flooding	Easy to grow in deep, moist loam; adaptable	performs best in sun; becomes straggly in shade; poisonous
	D				American Hornbeam	Carpinus caroliniana			Y				Y	Y	Y	rounded	multi-stemmed	20'-30'	20'-35'		Part Sun	Shade					Occasional Flooding			Slow-growing; provide some winter sun and wind protection
D					Bitternut Hickory, Swamp Hickory	Carya cordiformis		Y							Y	rounded	pyramidal	50'-100'	25'-40'	Full Sun	Part Sun				Occasionally Wet					
D				T	Pignut Hickory	Carya glabra		Y							Y	rounded		40'-80'	25'-40'	Full Sun	Part Sun			Occasionally Dry				Clay-loam to silty clay loam	Can become large, Usually single straight trunk with a narrow, round crown.	
D			W		Pecan	Carya illinoensis		Y							Y	rounded		70'-100'	40'-75'	Full Sun	Part Sun			Occasionally Dry			Occasional Flooding		Leaves and nut husks stain pavement; "messy"	
D				T	Shagbark Hickory	Carya ovata		Y							Y	rounded		60'-90'	50'-70'	Full Sun	Part Sun			Occasionally Dry				Rich, moist soils, Bottomlands and hillsides, clay-loam and sandy loam		
D				T	Sugar Hackberry	Celtis laevigata	Y	Y	Y					Y	Y	Y	Y	rounded		50'-70'	30'-60'	Full Sun	Part Sun			Occasionally Dry		Occasional Flooding		
D			W		Common Hackberry	Celtis occidentalis	Y	Y							Y	Y	rounded		40'-60'	40'-60'	Full Sun	Part Sun	Shade		Occasionally Dry					Cultivars recommended



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes		Additional Notes
		Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Butters: Constructed / Mitigated	Butters: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding			
Canopy	Understory			Shrub	Legend											D	Deciduous	E	Evergreen	S	Semi-evergreen	W	Water-wise	T	Deer Tolerant					

	D			T	Eastern Redbud, Judas-tree	Cercis canadensis		Y			Y	Y	Y		rounded	multi-stemmed	20'-30'	25'-30'	Full Sun	Part Sun			Occasionally Dry				pH tolerant	'Forest Pansy' cultivar valued for purple foliage	
		E	W		Atlantic Whitecedar	Chamaecyparis thyoides				Y	Y			Y	Y	rounded	pyramidal	6'-20'	4'-20'	Full Sun					Occasional Flooding				
	D	D	W		White Fringetree, Fringe tree, Old man's beard	Chionanthus virginicus			Y			Y	Y	Y	Y	rounded	multi-stemmed	12'-30'	12'-20'	Full Sun	Part Sun		Dry				Prefers moist, deep, fertile, acid soils, but is very adaptable; found along stream banks and swamp edges, and as understory in woodlands	More compact in full sun	
D					Yellowwood	Cladrastis kentukea	Y	Y						Y		rounded	broad	30'-45'	40'-45'	Full Sun	Part Sun						pH tolerant		
	D			T	Mountain Sweet-pepperbush, Mountain White-alder	Clethra acuminata								Y	Y	rounded		8'-20'	4'-6'		Part Sun	Shade			Occasionally Wet				
		D	W	T	Clethra, Pepperbush, Summersweet, Coastal Sweet-pepperbush	Clethra alnifolia			Y			Y	Y	Y	Y	rounded	broad	4'-6'	4'-6'	Full Sun	Part Sun				Occasionally Wet			pH tolerant	
				T	Sweetfern, Sweet-fern, Comptonie Voyageuse, Sweet Fern	Comptonia peregrina								Y		rounded	multi-stemmed	2'-5'	4'-8'	Full Sun	Part Sun			Occasionally Dry					
	D			T	Alternate-leaf Dogwood, Pagoda Cornel, Pagoda Dogwood	Cornus alternifolia			Y		Y	Y			Y		rounded	multi-stemmed	15'-25'	20'-32'	Full Sun	Part Sun	Shade			Occasionally Wet			
		D	W	T	Silky Dogwood, Gray Dogwood	Cornus amomum						Y			Y	Y	rounded	multi-stemmed	6'-12'	6'-12'	Full Sun	Part Sun	Shade			Occasionally Wet			Prefers part-shade environment, but very adaptable; Native to low woods and along streams
		D		T	Flowering Dogwood	Cornus florida									Y	Y	rounded		15'-30'	15'-30'		Part Sun	Shade		Occasionally Dry				Cultivars more disease-resistant than species; 'Rubra' and 'Cherokee Chief' have pink flowers, others white; only grow in shaded areas
		D	W		Gray Dogwood	Cornus racemosa						Y			Y	Y	rounded	multi-stemmed	10'-27'	10'-15'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet			very adaptable
	D		W		American Smoketree	Cotinus obovatus			Y				Y	Y	Y		rounded	multi-stemmed	15'-30'	15'-30'	Full Sun	Part Sun		Dry					Valued for bluish green foliage and brilliant fall color
	D		W		Mayhaw Hawthorn, Parsley Hawthorn, Parsley Haw	Crataegus marshallii									Y		rounded		15'-30'	15'-30'	Full Sun	Part Sun	Shade		Occasionally Dry			Occasional Flooding	Very thorny; a NC DENR stormwater BMP tree
	D		W	T	Washington Hawthorn, Washington Thorn	Crataegus phaenopyrum				Y	Y			Y	Y	rounded	multi-stemmed	25'-30'	20'-25'	Full Sun	Part Sun		Dry						
	D		W		Green Hawthorn, Southern Hawthorn	Crataegus viridis				Y	Y			Y	Y	rounded	broad	20'-35'	20'-35'	Full Sun				Occasionally Dry	Occasionally Wet				
	E	E		T	Swamp Cyrilla, Leatherwood, Ti-ti	Cyrilla racemiflora								Y	Y	rounded	multi-stemmed	8'-25'	10'-15'	Full Sun	Part Sun						Occasional Flooding		
		D	W		Shrubby Cinquefoil	Dasiphora fruticosa subsp. floribunda			Y	Y		Y	Y	Y	Y	rounded	multi-stemmed	1'-4'	2'-4'	Full Sun	Part Sun			Occasionally Dry				tolerant of poor, dry soils, and is very tolerant of high pH	Does not like high night-time temperatures
		D	W	T	Bush-honeysuckle	Diervilla sessilifolia						Y			Y		rounded		3'-5'	3'-5'	Full Sun	Part Sun		Dry					
D					Eastern Persimmon	Diospyros virginiana	Y								Y	rounded	columnar	30'-80'	20'-35'	Full Sun	Part Sun			Occasionally Dry					
		D	W		Leatherwood	Dirca palustris						Y			Y	Y	rounded	multi-stemmed	3'-6'	3'-6'		Part Sun	Shade			Occasionally Wet			Can cause contact dermatitis
D			W	T	American Beech	Fagus grandifolia	Y								Y	Y	rounded	broad	50'-80'	40'-80'	Full Sun	Part Sun						Very sensitive to soil conditions	



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes		Additional Notes	
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding				
Legend																																
D					Deciduous																											
E					Evergreen																											
S					Semi-evergreen																											
W					Water-wise																											
T					Deer Tolerant																											
		D		T	Dwarf Fothergilla	Fothergilla gardenii							Y	Y	rounded	multi-stemmed	2'-6'	2'-6'	Full Sun	Part Sun							Occasional Flooding	acid soils	Native to Coastal Plain pine savannas and pocosins; best flowers and fall color in full sun; an NC-DENR stormwater BMP plant			
		D			Large Fothergilla, Large Witch-alder, Mountain Witch-alder, Tall Fothergilla	Fothergilla major							Y		Y	Y	rounded	multi-stemmed	6'-12'	6'-10'		Part Sun	Shade		Occasionally Dry	Occasionally Wet			acid soils	needs cool moisture and some shade in the Piedmont		
D			W	T	White Ash	Fraxinus americana	Y									rounded		60'-120'	50'-75'	Full Sun	Part Sun	Shade										
D			W	T	Green Ash	Fraxinus pennsylvanica	Y									rounded		50'-100'	35'-65'	Full Sun					Occasionally Dry	Occasionally Wet						
D			W		Thornless Honeylocust	Gleditsia triacanthos var. inermis	Y	Y	Y						Y	Y	Y	rounded		20'-70'	30'-50"	Full Sun	Part Sun							neutral or alkaline soils	long thorns; all have messy fruit	
D				W	Kentucky Coffeetree, Kentucky Mahogany	Gymnocladus dioicus	Y	Y							Y		rounded		60'-75'	40'-50'	Full Sun									Needs deep soil profile and alkaline soils		
	D				Carolina Silverbell	Halesia carolina	Y		Y						Y	Y	Y	rounded	multi-stemmed	10'-40'	15'-35'	Full Sun	Part Sun							can tolerate rocky soils		
	D				Silverbell	Halesia diptera										Y	Y	rounded	multi-stemmed	15'-30'	15'-25'	Full Sun	Part Sun				Occasionally Wet					
	D				Common Silverbell, Mountain Silverbell, Snowdrop-tree	Halesia tetraptera	Y		Y						Y	Y	Y	rounded	multi-stemmed	10'-40'	25'-35'	Full Sun	Part Sun				Occasionally Wet					
		D		T	Smooth Hydrangea, Wild Hydrangea, Sevenbark	Hydrangea arborescens							Y			Y	Y	rounded	multi-stemmed	3'-5'	3'-5'	Full Sun	Part Sun							pH tolerant		
		D	W		Oakleaf Hydrangea	Hydrangea quercifolia			Y				Y	Y	Y	Y	Y	rounded	multi-stemmed	4'-8'	4'-12'	Full Sun	Part Sun			Occasionally Dry				pH tolerant	native to limestone soils in lower South; "deer candy";	
		E	W		Shrubby St. Johnswort	Hypericum prolificum			Y	Y					Y	Y		rounded	multi-stemmed	1'-5'	1'-4'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet				most Hypericum species do not last long in local conditions (heat, humidity, and poorly-drained soils); Can cause contact dermatitis	
		D	W		Deciduous Holly, Possumhaw	Ilex decidua									Y	Y		rounded	multi-stemmed	15'-20'	18'-25'	Full Sun	Part Sun									
		D	W		Possumhaw, Possumhaw Holly, Possum-haw	Ilex decidua												rounded	multi-stemmed	7'-15'	5'-12'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet			acidic soils	Best berry set with use of one male plant for every 3-5 female plants	
		E	W		Inkberry Holly, Little Gallberry	Ilex glabra			Y	Y			Y	Y	Y	Y	Y	rounded		5'-10'	5'-8'	Full Sun	Part Sun				Occasionally Wet				Often thins on lower half; potential for fence screening; good in wet areas and swamps	
		E	W	T	Yaupon Holly	Ilex vomitoria			Y	Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	2'-5'	3'-8'	Full Sun	Part Sun	Shade		Occasionally Dry			Occasional Flooding	Very adaptable		
	E		W	T	Yaupon Holly	Ilex vomitoria			Y		Y		Y	Y	Y	Y	Y	rounded	multi-stemmed	10'-35'+	6'-20'	Full Sun	Part Sun	Shade		Occasionally Dry			Occasional Flooding	pH tolerant		
		E	W	T	Virginia Sweetspire, Virginia-willow, Sweet-spire, Tassel-white	Itea virginica			Y						Y	Y	Y	rounded	weeping	3'-8'	3'-6'	Full Sun	Part Sun					Wet				
D			W		Black Walnut	Juglans nigra		Y							Y			rounded		50'-75'	50'-70'	Full Sun	Part Sun		Dry		Occasionally Wet			clay loam to sandy loam	Leaves and roots produce substance (juglons) which inhibits growth of many other plants	
		E		T	Coastal Leucothoe, Dog-Hobble	Leucothoe axillaris							Y			Y	Y	rounded	weeping	2'-6'	3'-6'		Part Sun				Occasionally Wet			Prefers acid organic soil	Flowers and leaves are poisonous if eaten	



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes		Additional Notes	
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buttress: Constructed / Mitigated	Buttress: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding					
Legend																																
D	Deciduous																															
E	Evergreen																															
S	Semi-evergreen																															
W	Water-wise																															
T	Deer Tolerant																															
		E		T	Mountain Doghobble, Drooping Leucothoe, Dog Hobble, Fetterbush	Leucothoe fontanesiana							Y			Y	Y	rounded	weeping	2'-6'	3'-8'		Part Sun	Shade		Occasionally Dry	Occasionally Wet				Flowers and leaves are poisonous if eaten	
D					Umbrella Magnolia, Umbrella-tree	Magnolia tripetala							Y					rounded		15'-40'	15'-30'	Full Sun	Part Sun				Occasionally Wet					
	D				Southern Crabapple, Wild Crabapple, Narrow-leaved Crabapple	Malus angustifolia										Y	Y	rounded	broad	15'-30'	20'-30'	Full Sun	Part Sun				Occasionally Wet					
	E	E	W	T	Southern Wax Myrtle, Common Wax-myrtle	Myrica cerifera			Y		Y	Y	Y	Y	Y	Y	Y	rounded	multi-stemmed	10'-25'	8'-10'	Full Sun	Part Sun		Dry				Occasional Flooding	Adaptable to many soil types; grows in sand or clay; best growth in well-drained soils; salt-tolerant		
D			W		Water Tupelo	Nyssa aquatica	Y	Y								Y	Y	rounded		50'-80'	25'-50'	Full Sun	Part Sun			Occasionally Dry		Wet		acidic soils		
	E	E		T	Devilwood	Osmanthus americanus										Y		rounded	vase	10'-30'	8'-30'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet				Found in the wild along swamp margins and streams; some urban tolerance	
D	D		W	T	American Hophornbeam, Ironwood, American Hop-hornbeam, Eastern Hop Hornbeam	Ostrya virginiana		Y								Y	Y	rounded	pyramidal	20'-40'	15'-30'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet			pH Tolerant	Not commonly available, but has good tolerance of urban conditions	
D	D			T	Sourwood, Sorrel-tree	Oxydendrum arboreum		Y								Y	Y	rounded	pyramidal	20'-30'	10'-20'	Full Sun	Part Sun	Shade	Dry						Intolerant of pollution and urban conditions	
		D	W		Atlantic Ninebark, Common Eastern Ninebark	Physocarpus opulifolius							Y			Y	Y	rounded	weeping	5'-10'	6'-10'	Full Sun	Part Sun			Occasionally Dry			Occasional Flooding	Very adaptable to acidic or basic soils		
E				T		Pinus palustris	Y									Y		rounded		60'-120'	30'-40'	Full Sun				Occasionally Dry						
D			W	T	Sycamore, American-Planetree	Platanus occidentalis		Y									Y	rounded	pyramidal	70'-90'	60'-80'	Full Sun					Occasionally Wet			ph Tolerant	Massively-large tree of bottom lands and moist, deep soils; high maintenance	
					Choke Cherry	Prunus virginiana										Y		rounded		20'-30'	18'-25'	Full Sun				Occasionally Dry						
D			W	T	Swamp White Oak	Quercus bicolor	Y	Y	Y				Y	Y	Y	Y	Y	rounded	pyramidal	50'-60'	50'-60'	Full Sun				Occasionally Dry	Occasionally Wet				Well adapted to urban sites	
D			W	T	Southern Red Oak, Spanish Oak	Quercus falcata	Y	Y	Y				Y	Y	Y			rounded		60'-100'	50'-60'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet					
D			W	T	Shingle Oak	Quercus imbricaria	Y	Y	Y				Y	Y	Y	Y		rounded		50'-70'	50'-60'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet					
D					Laurel Oak, Swamp Laurel Oak, Diamond-leaf Oak	Quercus laurifolia	Y	Y	Y				Y	Y	Y	Y		rounded		40'-80'	40'-60'	Full Sun	Part Sun		Dry		Occasionally Wet					
D			W	T	Blackjack Oak	Quercus marilandica										Y		rounded		30'-50'	20'-40'	Full Sun				Occasionally Dry	Occasionally Wet			acidic soils		
D			W	T	Swamp Chestnut Oak	Quercus michauxii	Y	Y	Y				Y	Y	Y			rounded		60'-80'	30'-70'	Full Sun	Part Sun						Occasional Flooding		Needs space	
D			W	T	Chestnut Oak, Rock Chestnut Oak, Rock Oak, Mountain Chestnut Oak	Quercus montana	Y	Y	Y				Y	Y	Y			rounded		50'-70'	50'-70'	Full Sun	Part Sun			Occasionally Dry			Usually found on dry, upland sites, in rocky, poor soil, but best growth in low, rich, moist sites		Needs space	
D			W	T	Water Oak	Quercus nigra		Y								Y	Y	rounded	broad	50'-80'	50'-70'	Full Sun				Occasionally Dry	Occasionally Wet		acidic soils		Has problems with untreatable decay; don't use as street tree or in parking lots	



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes	
Canopy	Understory	Shrub	Drought Tolerant			Deer Tolerant	Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Butters: Constructed / Mitigated	Butters: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet			Occasional Flooding
Legend																														
D				T	Cherrybark Oak, Pagoda Oak, Swamp Spanish Oak	Quercus pagoda	Y	Y	Y				Y	Y	Y	rounded	broad	60'-130'	30'-70'	Full Sun	Part Sun									
D				T	Willow Oak	Quercus phellos		Y	Y				Y	Y	Y	Y	rounded	columnar	40'-75'	25'-50'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet		acidic soils	Species has variable form and character	
D			W	T	Northern Red Oak, Red Oak	Quercus rubra	Y	Y	Y				Y	Y	Y	rounded	pyramidal	50'-70'	40'-75'	Full Sun	Part Sun				Occasionally Dry			Not as well-adapted to Zone 7(8) due to heat and drought, so tends to be smaller here than in the North		
D			W	T	Post Oak, Iron Oak	Quercus stellata	Y	Y	Y				Y	Y	Y	Y	rounded		40'-50'	35'-50'	Full Sun				Occasionally Dry			typically found on dry, gravelly, or sandy sites	Well-adapted to urban sites	
D			W	T	Black Oak, Eastern Black Oak	Quercus velutina	Y							Y		rounded		45'-60'	45'-60'	Full Sun				Occasionally Dry	Occasionally Wet			Taproot makes it difficult to transplant		
E				T	Live Oak	Quercus virginiana	Y						Y	Y	Y	rounded	broad	40'-80'	30'-100'	Full Sun	Part Sun				Occasionally Dry			pH-tolerant		
		D		W	Carolina Buckthorn, Indian Cherry	Rhamnus caroliniana		Y				Y	Y	Y	Y	Y	rounded		10'-20'	6'-15'	Full Sun	Part Sun				Occasionally Dry		Prefers limestone, high pH/alkaline soils, but is very adaptable; withstands urban environments, difficult conditions, and waste areas		
		D			Sweet Azalea, Smooth Azalea	Rhododendron arborescens						Y			Y	Y	rounded	multi-stemmed	8'-15'	6'-15'	Full Sun	Part Sun				Occasionally Wet		Prefers light, sandy, acid soils	high shade best; native to banks of mountain streams; All parts are poisonous if eaten	
		D			Coast Azalea, Dwarf Azalea	Rhododendron atlanticum						Y			Y	Y	rounded	multi-stemmed	3'-6'	3'-6'	Full Sun	Part Sun				Occasionally Wet		Prefers light, sandy, acid soils	high shade; native to open pine woods; All parts are poisonous if eaten	
		D	W		Florida Azalea	Rhododendron austrinum						Y			Y	Y	rounded	multi-stemmed	8'-10'	5'-10'		Part Sun	Shade				somewhat pH- and soil-condition-tolerant	high shade; All parts are poisonous if eaten		
		D			Flame Azalea	Rhododendron calendulaceum						Y			Y	Y	rounded	multi-stemmed	4'-15'	4'-10'	Full Sun	Part Sun	Shade				Prefers light, acid soils	native to southern Appalachian Mountains; does not tolerate heat as well as other Azaleas; All parts are poisonous if eaten		
		D			Sweet-Piedmont Azalea, Florida Pinxter Azalea	Rhododendron canescens						Y			Y	Y	rounded	multi-stemmed	6'-15'	6'-10'	Full Sun	Part Sun	Shade			Occasionally Wet		acid soils	tolerates shade better than other deciduous azaleas; native along slopes and stream banks in high shade; All parts are poisonous if eaten	
		E			Catawba Rhododendron, Mountain Rosebay	Rhododendron catawbiense						Y			Y	Y	rounded	multi-stemmed	4'-10'+	5'-10'	Full Sun	Part Sun	Shade			Occasionally Dry		acid soils	All parts are poisonous if eaten	
		D			Cumberland Azalea	Rhododendron cumberlandense						Y			Y		rounded	multi-stemmed	3'-7'	3'-6'	Full Sun	Part Sun								
		E			Rosebay Rhododendron, Great laurel	Rhododendron maximum									Y		rounded	multi-stemmed	5'-20'	4'-12'	Full Sun	Part Sun	Shade			Occasionally Dry		acid soils	Needs winter sun protection; prefers north-facing slopes of mountain streams; All parts are poisonous if eaten	
		E			Carolina or Piedmont Rhododendron, Gorge Rhododendron, Punctatum, Dwarf Rhododendron, Carolina Laurel	Rhododendron minus						Y			Y	Y	rounded	multi-stemmed	3'-6'	3'-8'		Part Sun	Shade			Occasionally Dry		acid soils	Needs winter sun protection; All parts are poisonous if eaten	
		D			Pinxterbloom Azalea, Wild or Pinxter Azalea	Rhododendron periclymenoides						Y			Y	Y	rounded	multi-stemmed	2'-10'	4'-8'	Full Sun	Part Sun						acid soils; has adapted to dry, sandy, and rocky soils		



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Butters: Constructed / Mitigated	Butters: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type			Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes		Additional Notes									
Canopy	Understory	Shrub	Drought Tolerant	Deer Tolerant			Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Butters: Constructed / Mitigated	Butters: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding												
Legend																																								
D	Deciduous																																							
E	Evergreen																																							
S	Semi-evergreen																																							
W	Water-wise																																							
T	Deer Tolerant																																							
			D	W		Hillside Blueberry, Dryland Blueberry, Late Lowbush Blueberry, Blue Ridge Blueberry	Vaccinium pallidum			Y	Y		Y	Y	Y	Y	Y	rounded	multi-stemmed	1'-3'	1'-3'		Part Sun	Shade		Occasionally Dry				acidic soils	Found under oaks, pine, in wet, maple low-lands, and in pine barrens and savannas; common on roadsides and in old fields									
			D	W		Deerberry, Common Deerberry	Vaccinium stamineum						Y			Y	Y	rounded	multi-stemmed	3'-15'	3'-12'	Full Sun	Part Sun	Shade		Occasionally Dry				acidic soils	size is dependent on soil quality and moisture; tolerant of drier, sandy soils (shorter in this habitat), and wetter, richer, heavier soils (taller here)									
			D	W		Small Black Blueberry, Narrowleaf Blueberry, Small-cluster Blueberry, Southern Blueberry	Vaccinium tenellum				Y		Y			Y	Y	rounded	multi-stemmed	1'-3'	1'-3'	Full Sun	Part Sun			Occasionally Dry				acidic soils										
			D			Rabbiteye Blueberry	Vaccinium virgatum			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	6'-15'	6'-10'	Full Sun	Part Sun						acidic soils, will grow in sand, if acidic											
			D	W	T	Mapleleaf Viburnum, Maple-leaved Viburnum, Dockmackie	Viburnum acerifolium						Y			Y	Y	rounded	multi-stemmed	4'-6'	2'-6'		Part Sun	Shade		Occasionally Dry					best for naturalizing; native to understorey of dry, upland forests									
			D	W	T	Bracted Viburnum	Viburnum bracteatum			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	6'-12'	6'-10'	Full Sun	Part Sun	Shade		Occasionally Dry				pH-tolerant										
			D		T	Withered Viburnum, Northern Wild-raisin, With-rod, Shawnee Haw	Viburnum cassinoides									Y		rounded	weeping	5'-12'	5'-8'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet													
			D	W	T	Southern Arrowwood, Arrowwood Viburnum, Roughish Arrowwood, Smooth Arrowwood	Viburnum dentatum			Y			Y	Y	Y	Y	Y	rounded	weeping	5'-15'	6'-15'	Full Sun	Part Sun			Occasionally Dry				pH-tolerant										
			D	W	T	Nannyberry Viburnum, Sheepberry	Viburnum lentago			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	15'-18'	8'-15'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet				Easy to grow									
			D	W		Smooth Witherod, Possum-Haw Viburnum	Viburnum nudum			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	5'-14'	5'-10'	Full Sun	Part Sun			Occasionally Dry			Occasional Flooding		good for naturalizing and can be grown in floodplains in both sun and shade									
		D	D	W	T	Smooth Blackhaw, Black Haw, Nannyberry, Blackhaw Viburnum	Viburnum prunifolium			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	12'-30'	6'-20'	Full Sun	Part Sun			Occasionally Dry	Occasionally Wet				very adaptable to pH, wet or dry conditions, clay, pollution, sun or shade; pest- and disease-free;									
			D	W		Downy Arrow-wood, Downy Arrowwood	Viburnum rafinesqueanum									Y		rounded	weeping	6'-10'	5'-8'	Full Sun	Part Sun			Occasionally Dry														
			D	W	T	Rusty Blackhaw, Southern Blackhaw, Rusty Nannyberry, Blue Haw	Viburnum rufidulum			Y			Y	Y	Y	Y	Y	rounded	multi-stemmed	10'-35'	10'-25'	Full Sun	Part Sun	Shade		Occasionally Dry	Occasionally Wet				very adaptable to pH, wet or dry conditions, soil types, pollution, sun or shade; very drought-tolerant and very heavy clay-tolerant; denser in full sun;									
			E	W	T	Adam's Needle, Beargrass, Curlyleaf Yucca, Spoonleaf Yucca	Yucca filamentosa			Y			Y	Y	Y	Y	Y	rounded	columnar	2'-7'	1.5'-4'	Full Sun	Part Sun			Occasionally Dry					Sword-like leaves can be dangerous, this variety more Southern and coastal									
			E	W		Weakleaf Yucca, Beargrass	Yucca flaccida			Y			Y	Y	Y	Y	Y	rounded	columnar	2'-7'	2'-5'	Full Sun			Dry															
			D			Dusty Zenobia, Honeycup	Zenobia pulverulenta						Y			Y	Y	rounded	weeping	2'-10'	3'-7'	Full Sun	Part Sun				Occasionally Wet			acidic soils	good native plant for wet areas									



Orange County Planning and Inspections Department - Preferred Plant List

This document contains preferred plants, but is not all inclusive. For proposed plant substitutions, please contact Orange County Planning staff at planningapps@orangecountync.gov for review. The County does not allow invasive species.

Type		Tolerance		Common Names	Scientific Name	Category										Habit		Size		Sun			Moisture Tolerance (Baseline is moist with good drainage)					Soil Preference Notes	Additional Notes
Canopy	Understory	Shrub	Drought Tolerant			Deer Tolerant	Residential Street Trees	Foundation Plantings	Site Distance Triangle	Screening	VSA: Perimeter Buffer	VSA: Interior Landscaping	VSA: Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream	Habit 1	Habit 2	Height	Width	Full Sun	Part Sun	Shade	Dry	Occasionally Dry	Occasionally Wet	Wet	Occasional Flooding		
<div>Legend</div> <div>D Deciduous</div> <div>E Evergreen</div> <div>S Semi-evergreen</div> <div>W Water-wise</div> <div>T Deer Tolerant</div>																													
		D		T	Serviceberry	Amelanchier laevis		Y			Y	Y	Y	vase	multi-stemmed	15'-25'	15'-20'	Full Sun	Part Sun								pH tolerant		
		D			Strawberry Bush, 'Hearts-a-Burstin'	Euonymus americanus					Y			Y	Y	vase	multi-stemmed	4'-6'	3'-6'	Full Sun	Part Sun	Shade					very pH- and soil-adaptable		
	D	D		T	Common Witchhazel, American Witch-hazel, Northern Witch-hazel	Hamamelis virginiana					Y			Y	Y	vase	multi-stemmed	10'-30'	10'-20'	Full Sun	Part Sun					Occasional Flooding			
		D	W	T	Common Winterberry, Black Alder, Winterberry Holly	Ilex verticillata							Y	Y	vase	multi-stemmed	3'-15'	3'-15'	Full Sun	Part Sun	Shade			Occasionally Wet			does well in light or heavy soils; native to swampy areas; chlorotic in high pH soils		
		D			Spice Bush, Northern Spicebush, Smooth Northern Spicebush	Lindera benzoin					Y			Y	Y	vase	multi-stemmed	6'-15'	6'-15'	Full Sun	Part Sun				Occasionally Wet		pH tolerant	best performance in moist conditions and half-shade; full and dense in full sun;	
E	E		W	T	Sweetbay Magnolia	Magnolia virginiana	Y						Y		vase	multi-stemmed	15'-100'	10'-25'	Full Sun	Part Sun				Occasionally Wet					
		E	W		Sweetbay Magnolia	Magnolia virginiana							Y	Y	vase	multi-stemmed	12'-30'	8'-15'		Part Sun	Shade			Occasionally Wet			Prefers acidic soils		
D						Quercus (many native species)													Full Sun	Part Sun									
		D			Native Azaleas and Rhododendrons	Rhododendron (many native species)													Full Sun	Part Sun	Shade								
		D			Blueberries	Vaccinium (many native species)																							
		D			Native Viburnum	Viburnum (many native species)													Full Sun	Part Sun	Shade								

Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	Vehicular Service Area (VSA): Perimeter Buffer	Vehicular Service Area (VSA): Interior Landscaping	Vehicular Service Area (VSA): Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities)	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.	Plants that can visual block objects or areas on the other side	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.
Quercus alba	Quercus alba	Hypericum densiflorum	Ceanothus americanus	Agarista populifolia	Aesculus parviflora	Hypericum densiflorum	Hypericum densiflorum	Aesculus parviflora	Aesculus parviflora
Quercus lyrata	Quercus lyrata	Hypericum frondosum	Hypericum frondosum	Rhus typhina	Agarista populifolia	Hypericum frondosum	Hypericum frondosum	Agarista populifolia	Agarista populifolia
Ulmus americana	Ulmus americana	Illicium parviflorum	Rhus aromatica	Cornus sericea	Castanea pumila	Illicium parviflorum	Illicium parviflorum	Castanea pumila	Castanea pumila
Betula nigra	Prunus serotina	Juniperus virginiana	Xanthorhiza simplicissima	Chamaecyparis thyoides	Ceanothus americanus	Juniperus virginiana	Juniperus virginiana	Ceanothus americanus	Ceanothus americanus
Liquidambar styraciflua	Betula nigra	Quercus lyrata	Saururus cernuus	Illex opaca	Cephalanthus occidentalis	Quercus lyrata	Cephalanthus occidentalis	Cephalanthus occidentalis	Cephalanthus occidentalis
Liriodendron tulipifera	Illex x attenuata	Rhus aromatica	Spiraea tomentosa	Illex x attenuata	Corylus americana	Rhus aromatica	Corylus americana	Corylus americana	Corylus americana
Nyssa sylvatica	Juniperus virginiana	Ulmus americana	Dasiphora fruticosa subsp. floribunda	Juniperus virginiana	Illicium parviflorum	Ulmus americana	Ulmus americana	Crataegus crus-galli	Illicium parviflorum
Quercus coccinea	Liquidambar styraciflua	Xanthorhiza simplicissima	Hypericum prolificum	Pinus strobus	Kalmia latifolia	Xanthorhiza simplicissima	Xanthorhiza simplicissima	Hypericum densiflorum	Kalmia latifolia
Quercus palustris	Liriodendron tulipifera	Betula nigra	Illex glabra	Pinus virginiana	Rhus aromatica	Betula nigra	Betula nigra	Hypericum frondosum	Quercus lyrata
Quercus shumardii	Liriodendron tulipifera	Illex x attenuata	Illex vomitoria	Prunus caroliniana	Rhus typhina	Illex x attenuata	Illex x attenuata	Rhus aromatica	Rhus aromatica
Taxodium ascendens	Magnolia acuminata	Juniperus virginiana	Vaccinium angustifolium	Thuja occidentalis	Xanthorhiza simplicissima	Juniperus virginiana	Juniperus virginiana	Juniperus virginiana	Rhus typhina
Taxodium distichum	Magnolia macrophylla	Liquidambar styraciflua	Vaccinium pallidum	Betula alleghaniensis	Halesia monticola	Liquidambar styraciflua	Liquidambar styraciflua	Kalmia latifolia	Ulmus americana
Tilia americana	Nyssa sylvatica	Liriodendron tulipifera	Vaccinium tenellum	Betula lenta	Cornus sericea	Liriodendron tulipifera	Liriodendron tulipifera	Malus coronaria	Xanthorhiza simplicissima
Acer barbatum	Nyssa sylvatica var. biflora	Quercus coccinea	Chamaecyparis thyoides	Quercus coccinea	Chamaecyparis thyoides	Quercus coccinea	Prunus americana	Prunus americana	Halesia monticola
Acer rubrum	Pinus echinata	Quercus shumardii	Cornus alternifolia	Illex opaca	Quercus palustris	Quercus palustris	Quercus palustris	Prunus angustifolia	Cornus sericea
Acer saccharum	Quercus coccinea	Taxodium ascendens	Crataegus phaenopyrum	Illex x attenuata	Quercus shumardii	Quercus shumardii	Quercus shumardii	Saururus cernuus	Saururus cernuus
Celtis laevigata	Quercus palustris	Taxodium distichum	Crataegus viridis	Juniperus virginiana	Juniperus virginiana	Taxodium ascendens	Taxodium ascendens	Quercus lyrata	Spiraea tomentosa
Celtis occidentalis	Quercus shumardii	Thuja occidentalis	Illex vomitoria	Prunus caroliniana	Taxodium distichum	Taxodium distichum	Taxodium distichum	Rhus aromatica	Betula nigra
Cladrastis kentukea	Taxodium ascendens	Thuja occidentalis	Vaccinium formosum	Thuja occidentalis	Thuja occidentalis	Thuja occidentalis	Thuja occidentalis	Ulmus americana	Chamaecyparis thyoides
Fraxinus americana	Taxodium distichum	Acer barbatum		Aesculus sylvatica	Xanthorhiza simplicissima	Xanthorhiza simplicissima	Xanthorhiza simplicissima	Illex opaca	
Fraxinus pennsylvanica	Tilia americana	Amelanchier arborea		Amelanchier canadensis	Acer barbatum	Acer barbatum	Prunus serotina	Liriodendron tulipifera	
Gleditsia triacanthos var. inermis	Acer barbatum	Calycanthus floridus		Calycanthus floridus	Amelanchier arborea	Amelanchier arborea	Amelanchier arborea	Nyssa sylvatica var. biflora	
Gymnocladus dioica	Acer rubrum	Carpinus caroliniana		Chamaecyparis thyoides	Calycanthus floridus	Calycanthus floridus	Betula nigra	Prunus caroliniana	
Halesia carolina	Acer saccharum	Celtis laevigata		Cornus alternifolia	Carpinus caroliniana	Carpinus caroliniana	Chamaecyparis thyoides	Quercus coccinea	
Halesia tetraptera	Aesculus flava	Cercis canadensis		Cornus amomum	Celtis laevigata	Celtis laevigata	Illex opaca	Quercus palustris	
Nyssa aquatica	Aesculus octandra	Chionanthus virginicus		Cornus racemosa	Cercis canadensis	Cercis canadensis	Illex x attenuata	Quercus shumardii	
Quercus bicolor	Betula alleghaniensis	Clethra alnifolia		Crataegus phaenopyrum	Chionanthus virginicus	Chionanthus virginicus	Juniperus communis	Taxodium ascendens	
Quercus falcata	Betula lenta	Cornus alternifolia		Crataegus viridis	Clethra alnifolia	Clethra alnifolia	Juniperus virginiana	Taxodium distichum	
Quercus imbricaria	Carya cordiformis	Cotinus obovatus		Dasiphora fruticosa subsp. floribunda	Cotinus obovatus	Cotinus obovatus	Liquidambar styraciflua	Acer rubrum	
Quercus laurifolia	Carya glabra	Dasiphora fruticosa subsp. floribunda		Diervilla sessilifolia	Dasiphora fruticosa subsp. floribunda	Dasiphora fruticosa subsp. floribunda	Liriodendron tulipifera	Aesculus octandra	
Quercus michauxii	Carya illinoensis	Gleditsia triacanthos var. inermis		Dirca palustris	Gleditsia triacanthos var. inermis	Gleditsia triacanthos var. inermis	Liriodendron tulipifera	Aesculus sylvatica	
Quercus montana	Carya ovata	Halesia carolina		Fothergilla gardenii	Halesia carolina	Magnolia acuminata	Alnus serrulata	Alnus serrulata	
Quercus pagoda	Celtis laevigata	Halesia tetraptera		Fothergilla major	Halesia tetraptera	Halesia tetraptera	Magnolia macrophylla	Amelanchier canadensis	
Quercus rubra	Celtis occidentalis	Hydrangea quercifolia		Hydrangea arborescens	Hydrangea quercifolia	Hydrangea quercifolia	Nyssa sylvatica	Amelanchier spicata	
Quercus stellata	Cladrastis kentukea	Hypericum prolificum		Hydrangea quercifolia	Hypericum prolificum	Hypericum prolificum	Nyssa sylvatica var. biflora	Amorpha canescens	
	Diospyros virginiana	Illex glabra		Illex glabra	Illex vomitoria	Illex vomitoria	Pinus echinata	Aronia arbutifolia	
	Fagus grandifolia	Illex vomitoria		Illex vomitoria	Illex vomitoria	Illex vomitoria	Prunus caroliniana	Aronia melanocarpa	
	Gleditsia triacanthos var. inermis	Illex vomitoria		Illex vomitoria	Illex vomitoria	Illex vomitoria	Quercus coccinea	Asimina parviflora	
	Gymnocladus dioica	Itea virginica		Leucothoe axillaris	Itea virginica	Itea virginica	Quercus palustris	Asimina triloba	
	Juglans nigra	Myrica cerifera		Leucothoe fontanesiana	Myrica cerifera	Myrica cerifera	Quercus shumardii	Betula alleghaniensis	
	Nyssa aquatica	Quercus bicolor		Magnolia tripetala	Quercus bicolor	Quercus bicolor	Taxodium ascendens	Betula lenta	
	Ostrya virginiana	Quercus falcata		Myrica cerifera	Quercus falcata	Quercus falcata	Taxodium distichum	Callicarpa americana	
	Oxydendrum arborescens	Quercus imbricaria		Physocarpus opulifolius	Quercus imbricaria	Quercus imbricaria	Thuja occidentalis	Calycanthus floridus	
	Pinus palustris	Quercus laurifolia		Rhamnus caroliniana	Quercus laurifolia	Quercus laurifolia	Thuja occidentalis	Celtis laevigata	
	Platanus occidentalis	Quercus michauxii		Rhododendron arborescens	Quercus michauxii	Quercus michauxii	Tilia americana	Celtis occidentalis	
	Quercus bicolor	Quercus montana		Rhododendron atlanticum	Quercus montana	Acer barbatum	Chamaecyparis thyoides	Chamaecyparis thyoides	
	Quercus falcata	Quercus pagoda		Rhododendron austrinum	Quercus pagoda	Quercus pagoda	Acer leucoderme	Chionanthus virginicus	
	Quercus imbricaria	Quercus phellos		Rhododendron calendulaceum	Quercus phellos	Quercus phellos	Acer rubrum	Clethra alnifolia	
	Quercus laurifolia	Quercus rubra		Rhododendron canescens	Quercus rubra	Quercus rubra	Acer saccharum	Clethra alnifolia	
	Quercus michauxii	Quercus stellata		Rhododendron catawbiense	Quercus stellata	Quercus stellata	Aesculus flava	Cornus florida	
	Quercus montana	Rhamnus caroliniana		Rhododendron cumberlandense	Quercus virginiana	Quercus virginiana	Aesculus sylvatica	Cornus florida	
	Quercus nigra	Rhus copallinum		Rhododendron minus	Rhamnus caroliniana	Rhamnus caroliniana	Alnus serrulata	Cornus racemosa	
	Quercus pagoda	Rhus glabra		Rhododendron perichymenoides	Rhus copallinum	Rhus copallinum	Amelanchier arborea	Crataegus marshallii	
	Quercus phellos	Vaccinium angustifolium		Rhododendron prinophyllum	Rhus glabra	Rhus glabra	Amelanchier canadensis	Crataegus phaenopyrum	
	Quercus rubra	Vaccinium corymbosum		Rhododendron vaseyi	Vaccinium angustifolium	Vaccinium angustifolium	Amelanchier spicata	Crataegus viridis	
	Quercus stellata	Vaccinium pallidum		Rhododendron viscosum	Vaccinium corymbosum	Vaccinium pallidum	Amorpha canescens	Cyrtilla racemiflora	
	Quercus velutina	Vaccinium virgatum		Rosa carolina	Vaccinium pallidum	Vaccinium virgatum	Aronia arbutifolia	Dasiphora fruticosa subsp. floribunda	
	Quercus virginiana	Viburnum bracteatum		Rosa virginiana	Vaccinium virgatum	Viburnum bracteatum	Viburnum virginiana	Diospyros virginiana	
	Robinia pseudoacacia	Viburnum dentatum		Sambucus canadensis	Viburnum bracteatum	Viburnum dentatum	Callicarpa americana	Dirca palustris	
	Sassafras albidum	Viburnum lentago		Stewartia malacodendron	Viburnum dentatum	Viburnum lentago	Calycanthus floridus	Fagus grandifolia	
	Magnolia virginiana	Viburnum nudum		Stewartia ovata	Viburnum lentago	Viburnum nudum	Carpinus caroliniana	Fothergilla gardenii	
		Viburnum prunifolium		Styrax americanus	Viburnum nudum	Viburnum prunifolium	Carya cordiformis	Fothergilla major	
		Viburnum rufidulum		Styrax grandifolius	Viburnum rufidulum	Viburnum rufidulum	Carya glabra	Halesia diptera	
		Yucca filamentosa		Vaccinium arboreum	Yucca filamentosa	Yucca filamentosa	Carya illinoensis	Hydrangea arborescens	
		Yucca flaccida		Vaccinium corymbosum	Yucca flaccida	Yucca flaccida	Carya ovata	Hydrangea quercifolia	
		Amelanchier laevis		Vaccinium ellipticum	Yucca flaccida	Amelanchier laevis	Celtis laevigata	Illex decidua	
				Vaccinium pallidum	Amelanchier laevis		Celtis occidentalis	Illex glabra	
				Vaccinium stamineum			Cercis canadensis	Illex vomitoria	
				Vaccinium tenellum			Chamaecyparis thyoides	Illex vomitoria	
				Vaccinium virgatum			Chionanthus virginicus	Itea virginica	
				Viburnum acerifolium			Cladrastis kentukea	Leucothoe axillaris	
				Viburnum bracteatum			Clethra alnifolia	Leucothoe fontanesiana	
				Viburnum dentatum			Clethra alnifolia	Malus angustifolia	
				Viburnum lentago			Comptonia peregrina	Myrica cerifera	
				Viburnum nudum			Cornus alternifolia	Nyssa aquatica	
				Viburnum prunifolium			Cornus amomum	Ostrya virginiana	
				Viburnum rufidulum			Cornus florida	Oxydendrum arborescens	
				Yucca filamentosa			Cornus racemosa	Physocarpus opulifolius	
				Yucca flaccida			Cotinus obovatus	Platanus occidentalis	
				Zenobia pulverulenta			Crataegus phaenopyrum	Quercus bicolor	

Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	Vehicular Service Area (VSA): Perimeter Buffer	Vehicular Service Area (VSA): Interior Landscaping	Vehicular Service Area (VSA): Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities)	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.	Plants that can visual block objects or areas on the other side	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.
					Euonymus americanus			Crataegus viridis	Quercus imbricaria
					Hamamelis virginiana			Quercus laurifolia	
					Lindera benzoin			Dasiphora fruticosa subsp. floribunda	Quercus nigra
								Diervilla sessilifolia	Quercus phellos
								Dirca palustris	Quercus stellata
								Fagus grandifolia	Rhamnus caroliniana
								Fothergilla gardenii	Rhododendron arboreoscens
								Fothergilla major	Rhododendron atlanticum
								Gleditsia triacanthos var. inermis	Rhododendron austrinum
								Gymnocladus dioica	Rhododendron calendulaceum
								Halesia carolina	Rhododendron canescens
								Halesia diptera	Rhododendron catawbiense
								Halesia tetraptera	Rhododendron minus
								Hydrangea arborescens	Rhododendron periclymenoides
								Hydrangea quercifolia	Rhododendron prinophyllum
								Ilex decidua	Rhododendron vaseyi
								Ilex decidua	Rhododendron viscosum
								Ilex glabra	Rhus copallinum
								Ilex vomitoria	Rhus glabra
								Ilex vomitoria	Rosa carolina
								Itea virginica	Rosa palustris
								Juglans nigra	Rosa virginiana
								Leucothoe axillaris	Salix caroliniana
								Leucothoe fontanesiana	Salix nigra
								Malus angustifolia	Salix sericea
								Myrica cerifera	Sambucus canadensis
								Nyssa aquatica	Stewartia malacodendron
								Osmanthus americanus	Stewartia ovata
								Ostrya virginiana	Styrax americanus
								Oxydendrum arboreum	Styrax grandifolius
								Physocarpus opulifolius	Vaccinium arboreum
								Pinus palustris	Vaccinium corymbosum
								Prunus virginiana	Vaccinium elliotii
								Quercus bicolor	Vaccinium pallidum
								Quercus falcata	Vaccinium stamineum
								Quercus imbricaria	Vaccinium tenellum
								Quercus laurifolia	Vaccinium virgatum
								Quercus marilandica	Viburnum acerifolium
								Quercus michauxii	Viburnum bracteatum
								Quercus montana	Viburnum cassinoides
								Quercus nigra	Viburnum dentatum
								Quercus pagoda	Viburnum lentago
								Quercus phellos	Viburnum nudum
								Quercus rubra	Viburnum prunifolium
								Quercus stellata	Viburnum rufidulum
								Quercus velutina	Yucca filamentosa
								Quercus virginiana	Yucca flaccida
								Rhamnus caroliniana	Zenobia pulverulenta
								Rhododendron arboreoscens	Euonymus americanus
								Rhododendron atlanticum	Hamamelis virginiana
								Rhododendron austrinum	Ilex verticillata
								Rhododendron calendulaceum	Lindera benzoin
								Rhododendron canescens	Magnolia virginiana
								Rhododendron catawbiense	
								Rhododendron cumberlandense	
								Rhododendron maximum	
								Rhododendron minus	
								Rhododendron periclymenoides	
								Rhododendron prinophyllum	
								Rhododendron vaseyi	
								Rhododendron viscosum	
								Rhus copallinum	
								Rhus glabra	
								Robinia pseudoacacia	
								Rosa carolina	
								Rosa virginiana	
								Sambucus canadensis	
								Sassafras albidum	
								Stewartia malacodendron	
								Stewartia ovata	
								Styrax americanus	
								Styrax grandifolius	
								Vaccinium arboreum	
								Vaccinium corymbosum	
								Vaccinium elliotii	
								Vaccinium pallidum	
								Vaccinium stamineum	
								Vaccinium tenellum	
								Vaccinium virgatum	
								Viburnum acerifolium	

Residential Street Trees	Between Lot Plantings	Foundation Plantings	Site Distance Triangle	Screening	Vehicular Service Area (VSA): Perimeter Buffer	Vehicular Service Area (VSA): Interior Landscaping	Vehicular Service Area (VSA): Tree and Terminal Islands	Buffers: Constructed / Mitigated	Buffers: Natural / Stream
Canopy trees that don't create hazards (i.e. visual and/or physical obstructions and/or conflicts with driveways and utilities)	Canopy trees generally located along common lot lines with other residential homes. Trees are intended to break up the front side and rear yard areas and provide some type of screening.	Smaller shrubs and/or understory trees intended to break up the building's foundational elements. Adequate spacing from the foundation to avoid conflicts with the planting materials should be a consideration.	Smaller shrubs and groundcover plantings that attain a maximum height of 3-4' at maturity.	Plants that can visual block objects or areas on the other side	A combination of canopy and understory trees with shrubs intended to provide screening toward adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas.	A combination of canopy and understory trees with shrubs intended to provide screening from the adjacent rights-of-way and adjacent properties. Plantings should augment preserved existing vegetation and create an overall semi-opaque or opaque screen. They should also screen large off-street parking areas. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to break up large off-street parking areas. Planting should be sized and selected to survive smaller spaces and heat. Plantings should avoid materials that could shed and cause damage to vehicles.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required vegetative buffers. Plantings should be selected and designed to fill in the voided or denuded areas.	A combination of canopy and understory trees with shrubs intended to augment and/or replace removed trees within required stream buffers. Plantings should be selected to augment the existing vegetation and survive in wet conditions.
								Viburnum bracteatum	
								Viburnum dentatum	
								Viburnum lentago	
								Viburnum nudum	
								Viburnum prunifolium	
								Viburnum rafinesqueanum	
								Viburnum rufidulum	
								Yucca filamentosa	
								Yucca flaccida	
								Zenobia pulverulenta	
								Amelanchier laevis	
								Euonymus americanus	
								Hamamelis virginiana	
								Ilex verticillata	
								Lindera benzoin	
								Magnolia virginiana	
								Magnolia virginiana	