

Tree and Shrub Species Native to North Carolina

(including soil moisture and light requirements, region of primary occurrence, and benefit to wildlife)

Source: NC State Extension Publications, "Landscaping for Wildlife With Native Plants"

Soil Moisture: W = wet; M = moist; D = dry.

Light Requirements: F = full sun; P = partial shade; S = shade.

Region: M = mountains; P = piedmont; **CP = coastal plain.**

Wildlife Value: C = winter cover; F = fleshy fruit; S = seed, hard mast, or catkin; H = hummingbird nectar; N = butterfly and other insect nectar; L = butterfly larvae host plant.

Latin Name	Common Name	Soil/Light	Region	Wildlife Value
TALL TREES (more than 30 ft)				
Acer barbatum	Southern Sugar Maple	M/F-S	P,CP	S
Acer rubrum	Red Maple	W-D/F-P	M,P,CP	S
Acer saccharum	Sugar Maple	M/F-S	M	S
Aesculus flava	Yellow Buckeye	M/P-S	M	H
Betula lenta	Sweet Birch	M-D/F-S	M	S,L
Betula nigra	River Birch	W-D/F	P,CP	S,L
Carya glabra	Pignut Hickory	D/F-S	M,P,CP	S,L
Carya ovata	Shagbark Hickory	M-D/F-S	M,P,CP	S,L
Carya tomentosa	Mockernut Hickory	D/F-S	M,P,CP	S,L
Celtis laevigata	Sugarberry	M/F-S	P,CP	F,L
Chamaecyparis thyoides	Atlantic Whitecedar	W-M/F-P	CP	C,L
Diospyros virginiana	Persimmon	M-D/F-P	M,P,CP	F
Fagus grandifolia	American Beech	M/P-S	M,P,CP	S
Fraxinus americana	White Ash	M/F-S	M,P	S,L
Fraxinus pennsylvanica	Green Ash	W-D/F-P	M,P,CP	S,L
Gordonia lasianthus	Loblolly Bay	W-M/F-P	CP	C
Ilex opaca	American Holly	W-D/F-S	M,P,CP	C,F,N,L
Juniperus virginiana	Eastern Red Cedar	M-D/F-P	M,P,CP	C,F,L
Liquidambar styraciflua	Sweetgum	W-M/F-P	M,P,CP	S
Liriodendron tulipifera	Yellow Poplar	M/F-P	M,P,CP	S,H,N,L
Magnolia acuminata	Cucumber Tree	M/F-P	M,P	S
Magnolia grandiflora	Southern Magnolia	M/P-S	P,CP	C,S
Magnolia virginiana	Sweetbay	W-M/F-P	P,CP	S,L
Nyssa sylvatica	Blackgum	D/F-P	M,P,CP	F
Oxydendrum arboreum	Sourwood	D/F-S	M,P,CP	N
Persea borbonia	Redbay	W-M/F-S	CP	C,F,L
Pinus echinata	Shortleaf Pine	D/F-P	M,P,CP	C,S,L
Pinus palustris	Longleaf Pine	D/F	P,CP	C,S
Pinus strobus	Eastern White Pine	D/F	M,P	C,S
Pinus taeda	Loblolly Pine	M-D/F	M,P,CP	C,S,L
Platanus occidentalis	Sycamore	M/F-P	M,P,CP	S

Prunus serotina	Black Cherry	M-D/F	M,P,CP	F,N,L
Quercus alba	White Oak	M-D/F-P	M,P,CP	S,L
Quercus coccinea	Scarlet Oak	D/F-P	M,P	S,L
Quercus falcata	Southern Red Oak	M-D/F-P	M,P,CP	S,L
Quercus michauxii	Swamp Chestnut Oak	M/F-P	P,CP	S,L
Quercus nigra	Water Oak	M-D/F-P	P,CP	S,L
Quercus pagoda	Cherrybark Oak	M/F-P	P,CP	S,L
Quercus phellos	Willow Oak	W-M/F-P	P,CP	S,L
Quercus rubra	Red Oak	M/F-P	M,P	S,L
Quercus shumardii	Shumard Oak	M/F-P	P,CP	S,L
Quercus stellata	Post Oak	D/F	M,P,CP	S,L
Quercus velutina	Black Oak	M-D/F-P	M,P,CP	S,L
Quercus virginiana	Live Oak	D/F	CP	C,S,L
Robinia pseudoacacia	Black Locust	M-D/F-P	M,P	S,L
Salix nigra	Black Willow	W-M/F-S	M,P,CP	L
Sassafras albidum	Sassafras	M-D/F-P	M,P,CP	F,L
Taxodium distichum	Bald Cypress	W-M/F-P	CP	S
Tilia americana	Basswood	M/F-P	M,P,CP	S,N,L
Tsuga canadensis	Eastern Hemlock	M/P-S	M,P	C,S
Ulmus alata	Winged Elm	M-D/F-P	M,P,CP	S,L
Ulmus americana	American Elm	W-M/F-P	M,P,CP	S,L

SMALL TREES/SHRUBS (10-30 ft)

Aesculus pavia	Red Buckeye	M/P	CP	H,N
Aesculus sylvatica	Painted Buckeye	M/P	P	H
Alnus serrulata	Alder	W-M/F-P	M,P,CP	S,L
Amelanchier arborea	Serviceberry	M-D/F-S	M,P	F,N,L
Amelanchier canadensis	Juneberry	W-D/F-P	P,CP	F,N,L
Amelanchier laevis	Allegheny Serviceberry	M-D/F-P	M	F,N,L
Aralia spinosa	Devil's Walking Stick	M/F-P	M,P,CP	F,N
Asimina triloba	Pawpaw	M/F-S	M,P,CP	F,L
Carpinus caroliniana	Ironwood	W-M/P-S	M,P,CP	S,L
Castanea pumila	Chinquapin	D/F-P	M,P,CP	S
Celtis tenuifolia	Dwarf Hackberry	D/F-P	P	F,L
Cercis canadensis	Eastern Redbud	M-D/F-P	M,P	S,N,L
Chionanthus virginicus	Fringetree	M-D/F-P	M,P,CP	F
Cornus amomum	Silky Dogwood	W-M/P-S	M,P,CP	F,N,L
Cornus florida	Flowering Dogwood	M-D/F-P	M,P,CP	F,N,L
Crataegus spp.	Hawthorn	M/F-S	M,P,CP	F,H,N,L
Cyrilla racemiflora	Titi, Swamp Cyrilla	W-M/F-S	P,CP	C,N
Halesia tetraptera	Carolina Silverbell	M/P-S	M,P	N
Hamamelis virginiana	Witch Hazel	M/F-S	M,P,CP	S
Ilex decidua	Possumhaw	W-D/F-P	P,CP	F,N,L
Ilex verticillata	Winterberry	W-M/F-S	M,P,CP	F,N,L
Ilex vomitoria	Yaupon	W-D/F-S	CP	C,F,N,L
Morus rubra	Red Mulberry	M-D/F-S	M,P,CP	F,L
Myrica cerifera	Wax Myrtle	W-D/F-P	P,CP	C,F,L
Osmanthus americana	Wild Olive, Devilwood	M-D/F-P	CP	C,F

<i>Ostrya virginiana</i>	Hop Hornbeam	M-D/F-S	M,P	E,L
<i>Prunus americana</i>	Wild Plum	M-D/F	M,P	E,N,L
<i>Prunus angustifolia</i>	Chickasaw Plum	D/F	P,CP	E,N,L
<i>Prunus caroliniana</i>	Carolina Laurel Cherry	M-D/F-P	CP	C,E,N,L
<i>Prunus pensylvanica</i>	Fire Cherry	M-D/F	M	E,N,L
<i>Rhus copallina</i>	Winged Sumac	M-D/F-P	M,P,CP	E,N,L
<i>Rhus glabra</i>	Smooth Sumac	M-D/F-P	M,P,CP	E,N,L
<i>Salix caroliniana</i>	Carolina Willow	W-M/F-S	P,CP	L
<i>Sambucus canadensis</i>	Elderberry	W-M/F-P	M,P,CP	F
<i>Sorbus americana</i>	Mountain Ash	M/F-P	M	F
<i>Symplocos tinctoria</i>	Sweetleaf	M-D/F-S	M,P,CP	S,N,L
<i>Viburnum prunifolium</i>	Black Haw	M/F-S	M,P,CP	E,L
<i>Viburnum rufidulum</i>	Rusty Blackhaw	D/F-S	P,CP	E,L

SMALL SHRUBS

<i>Callicarpa americana</i>	American Beautyberry	M-D/F-S	P,CP	F
<i>Calycanthus floridus</i>	Sweetshrub	M/P-S	M,P	N
<i>Ceanothus americanus</i>	New Jersey Tea	M-D/P-S	M,P,CP	S,N,L
<i>Cephalanthus occidentalis</i>	Buttonbush	W-M/F-P	M,P,CP	S,H,N
<i>Clethra alnifolia</i>	Sweet Pepperbush	W/F-S	P,CP	E,H,N
<i>Corylus americana</i>	Hazelnut	M/F-S	M,P	S
<i>Euonymus americanus</i>	Strawberry Bush	M/P-S	M,P,CP	S
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry	M-D/F-P	M,P,CP	E,N,L
<i>Gaylussacia frondosa</i>	Blue Huckleberry	M/F-P	P,CP	E,N,L
<i>Hydrangea arborescens</i>	Wild Hydrangea	M/P-S	M,P	S,N
<i>Ilex glabra</i>	Inkberry	M/F-P	P,CP	C,E,N,L
<i>Itea virginica</i>	Virginia Willow	W-M/P-S	M,P,CP	S,N
<i>Kalmia latifolia</i>	Mountain Laurel	M-D/F-S	M,P,CP	C,H,N
<i>Leucothoe axillaris</i>	Doghobble	W-M/F-P	M,P,CP	C,N
<i>Lindera benzoin</i>	Spicebush	M-D/F-S	M,P,CP	E,L
<i>Lyonia lucida</i>	Fetterbush	M/P-S	P,CP	C,N
<i>Phoradendron serotinum</i>	Mistletoe	parasite	M,P,CP	E,L
<i>Rhododendron atlanticum</i>	Dwarf Azalea	W-D/F-P	P,CP	H,N
<i>Rhododendron calendulaceum</i>	Flame Azalea	M-D/P-S	M	H,N
<i>Rhododendron catawbiense</i>	Catawba Rhododendron	M/P-S	M,P	C,H,N
<i>Rhododendron maximum</i>	Rosebay Rhododendron	M/P-S	M,P	C,H,N
<i>Rhododendron periclimenoides</i>	Wild Azalea	W-M/F-P	M,P,CP	H,N
<i>Rubus</i> spp.	Blackberry, Dewberry	M-D/F-P	M,P,CP	C,E,S,N
<i>Sorbus arbutifolia</i>	Red Chokeberry	W-M/F-S	M,P,CP	E,L
<i>Vaccinium arboreum</i>	Sparkleberry	D/F-P	P,CP	C,E,N,L
<i>Vaccinium corymbosum</i>	Highbush Blueberry	M/F-P	P,CP	E,N,L
<i>Vaccinium stamineum</i>	Deerberry	D/F-P	M,P,CP	E,N,L
<i>Vaccinium vacillans</i>	Lowbush Blueberry	D/F-P	M,P,CP	E,N,L
<i>Viburnum acerifolium</i>	Mapleleaf Viburnum	M-D/P-S	M,P	E,L
<i>Viburnum dentatum</i>	Arrowwood	M/F-S	M,P,CP	E,L
<i>Viburnum nudum</i>	Wild Raisin	W-M/F-S	M,P,CP	E,L