

## SUGGESTED PLANT MATERIALS LIST – TREES & SHRUBS

PLANT NAME/ COMMON NAME	HEIGHT	SPREAD	GROWTH RATE S = SLOW; M = MODERATE; R = RAPID	LIGHT NEEDS S = SUN; SH = SHADE; PS = PARTIAL SUN	COMMENTS
<b>LARGE VARIETY TREES (MATURE HEIGHT: 35 FEET OR GREATER)</b>					
<b>Native Evergreen</b>					
Ilex opaca American Holly	40—60'	20—30'	S	S-SH	Tolerates a variety of conditions, male and female plants needed for fruit, pyramidal form
Juniperus virginiana Eastern Red Cedar	40—50'	15—25'	M	S-PS	Tolerates a variety of conditions, pyramidal form, male and female plants needed for fruit
Magnolia grandiflora Southern Magnolia	60—80'	30—40'	R	S-PS	Less shade tolerant with age, attracts wildlife, fragrant spring and summer flowers
Pinus taeda Loblolly Pine	90— 120'	30—40'	R	S	Tolerates flooding and drought, critical to Brown-headed Nuthatch
Quercus laurifolia or hemisphaerica Laurel Oak	60—80'	30—40'	R	S-SH	Shade tolerant, good for moist sites
<b>Native Deciduous</b>					
Acer barbatum or floridanum Southern Sugar Maple	50—60'	20—35'	M	S-PS	Heat tolerant, dislikes dry, compact soil
Acer rubrum Red Maple	60—90'	30—50'	R-M	S-SH	Tolerates a variety of conditions, including wet soil, fall color
Acer saccharum Sugar Maple	90— 120'	40—60'	S	S-PS	Extensive root system, fall color, shade tolerant
Betula nigra River Birch	60—80'	30—50'	R	S-PS	Lacy texture, tolerates a variety of conditions, including wet soil, tends to drop small limbs, cultivars available
Celtis laevigata Southern Hackberry or Sugarberry	70—80'	30—50'	R	S-PS	Tolerates a variety of conditions
Cladrastis kentukea Yellow-wood	40—50'	40—45'	M	S	Tolerates a variety of conditions, fragrant white blooms in alternate years
Diospyros virginiana American Persimmon	30—60'	20—25'	S-M	S-PS	Tolerates dry soil, good fall color, fruit attracts wildlife. Separate male and female plants.
Fraxinus pennsylvanica Green Ash	50— 120'	40—50'	R	S-PS	Tolerates a variety of conditions. Separate male and female plants. Many cultivars available.
Gymnocladus dioica Kentucky Coffee-tree	60—75'	40—50'		S	Tolerant of air pollution and drought, fall color

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Liquidambar styraciflua Sweet Gum	80— 120'	40—60'	R	S	Fall color, best in natural areas due to fruit drop
Liquidambar styraciflua 'Rotundiloba' Fruitless Sweet Gum	60—70'	20—30'	R	S	Pyramidal in form, does not set much fruit, tolerates clay soil
Liriodendron tulipifera Tulip-Tree or Yellow Poplar	90— 120'	60—80'	R	S	Tolerates a variety of conditions, drops limbs, best in natural areas, host for N.C. State butterfly
Nyssa sylvatica Black Gum	50—80'	30—50'	M	S-PS	Fall color, pyramidal when young
Platanus occidentalis Sycamore	80— 120'	40—60'	R	S-PS	Showy bark, tolerates a variety of conditions but needs water, best in natural areas
Prunus serotina Wild Black Cherry	60—80'	30—50'	R	S-PS	Tolerates a variety of conditions, seeds heavily, best in natural areas
Quercus alba White Oak	80— 100'	40—60'	S-M	S-PS	Sensitive to construction damage, good fall color
Quercus bicolor Swamp White Oak	50—60'	50—60'	M-R	S	Needs acidic soil, drought resistant, intolerant of salt and air pollution
Quercus coccinea Scarlet Oak	50—80'	40—50'	R	S	Good fall color, tolerates dry, sandy soil
Quercus falcata Southern Red Oak	70—80'	30—40'	R	S-PS	Tolerates drought
Quercus imbricaria Shingle Oak	50—60'	50—60'	S-M	S	Tolerates a variety of conditions
Quercus lyrata Overcup Oak	35—45'	35—40'	M	S	Tolerates a variety of conditions
Quercus macrocarpa Bur Oak	60—80'	60—80'	S	S	Tolerant of city conditions
Quercus nigra Water Oak	70—90'	30—50'	R	S	May retain some leaves through the winter, tolerates a variety of conditions
Quercus palustris Pin Oak	60—80'	40—50'	R	S	Tolerates a variety of conditions, pyramidal form, good fall color
Quercus phellos Willow Oak	80— 100'	40—50'	R	S-PS	Tolerates a variety of conditions, golden fall color
Quercus rubra Red Oak	80—90'	30—50'	R-M	S-PS	Needs moist soils, good fall color
Quercus shumardii Shumard Oak	90— 100'	40—50'	R-M	S	Tolerates a variety of conditions
Quercus texana or nuttallii Nuttall Oak	60—80'	30—40'	R	S-PS	Tolerates poorly drained soils, drought tolerant

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Taxodium distichum Bald-cypress	100— 120'	30—40'	R	S	Pyramidal when young, tolerates wet and dry soils, fall color, attractive trunk
Tilia americana Southern Basswood or American Linden	50—70'	30—45'	M	S-PS	Tolerates drought and clay soil, intolerant of air pollution, consider 'Redmond' cultivar
<b>Non-Native Evergreen</b>					
Cedrus deodara Deodar Cedar	40—70'	30—40'	M	S-PS	Tolerates drought and hot, dry summers, likes acidic soil
Cryptomeria japonica Japanese Cryptomeria	50—60'	25—30'	M	S-PS	Tolerates a variety of conditions, pyramidal shape, many cultivars available
Thuja 'Green Giant' Green Giant Arborvitae	40—50'	15—20'	R	S-PS	Tolerates a variety of conditions, may need some wind protection, bronzes in winter
<b>Non-Native Deciduous</b>					
Acer × freemanii Freeman Maple	Gen. 40—70'	Gen. 15— 40'	M	S-PS	A hybrid of red maple and silver maple, cultivars vary in size and characteristics
Cercidiphyllum japonicum Katsura Tree	40—60'	20—40'	M-R	S	Intolerant of hot, dry sites, fall color
Ginkgo biloba Ginkgo	50—80'	30—40'	S	S	Plant male trees to avoid messy, smelly fruit, tolerates a variety of conditions, bright yellow fall color
Metasequoia glyptostroboides Dawn Redwood	70— 100'	15—25'	R	S	Tolerates a variety of conditions, tolerates wet soils, attractive trunk
Platanus × acerifolia London Planetree	65—80'	75—100'	M	S-PS	Good street tree, light brown exfoliating bark
Quercus robur 'Fastigata' Upright English Oak	50—60'	10—20'	S	S	Tolerates drought and air pollution, narrow, upright form
Sophora japonica or Styphnolobium japonicum Japanese Scholartree or Japanese Pagodatree	50—70'	50'	M-R	S-PS	Resistant to air pollution and drought, but marginally heat hardy in Piedmont N.C.
Tilia cordata 'Greenspire' Greenspire Littleleaf Linden	30—40'	25—35'	S-M	S	Piedmont N.C. is at southern extreme of range, air pollution tolerant, cultivars available
Tilia tomentosa Silver Linden	40—70'	25—45'	R	S-PS	Tolerates drought and air pollution and a variety of soil conditions
Ulmus parvifolia Lacebark or Chinese Elm	40—50'	40—50'	M-R	S	Tolerates a variety of conditions, attractive bark, a tough and durable tree

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Ulmus hybrida Hybrid Elm	75— 125'	60—120'	M-R	S-PS	Tolerates a variety of conditions; Dutch Elm disease resistant varieties available
Zelkova serrata Japanese Zelkova	50—80'	40—50'	M	S-PS	Good street tree; tolerates urban conditions well, cultivars available
<b>MEDIUM VARIETY TREES (MATURE HEIGHT: 25 TO 35 FEET)</b>					
<b>Native Evergreen</b>					
Ilex × attenuata 'Fosteri' Foster's Holly	20—30'	10—20'	R	S-PS	Red fruits, male plants not needed for fruiting, best berry production in full sun
Magnolia virginiana Sweet Bay Magnolia	20—30'	10—15'	M	S-PS	Tolerates some shade, good for wet sites, cultivars provide evergreen and deciduous options
Pinus virginiana 'Wate's Golden' Wate's Golden Virginia Pine	15—30'	10—20'	S-M	S	Grows in poor soils, turns golden in winter, seeds eaten by birds, especially Brown-headed Nuthatch
Prunus caroliniana Carolina Laurel Cherry	20—40'	15—20'	M-R	S-PS	Tolerates a variety of conditions, colonizes
<b>Native Deciduous</b>					
Carpinus caroliniana American Hornbeam or Ironwood	20—30'	20—30'	S	S-PS	Does well in moist to wet soil, attractive trunk, interesting fruit
Cercis canadensis Eastern Redbud	20—30'	25—35'	M	S-PS	Tolerates a variety of conditions, many cultivars available, early spring purple/pink blooms
Cornus florida Flowering Dogwood	15—30'	15—20'	S-M	PS	Best in part shade, many cultivars available, flowers in spring, fall color and red fruit
Gleditsia triacanthos var. inermis Thornless Honeylocust	30—70'	30—40'	R	S	Range of soil types, drought tolerant;
Halesia tetraptera Common Silverbell	20—40'	20—35'	M	S-PS	Tolerates a variety of conditions, showy white blooms in spring, cultivars available
Ostrya virginiana Eastern Hop-hornbeam	20—30'	20—30'	S	S-PS	Tolerates a variety of conditions, interesting fruit
Oxydendrum arboreum Sourwood	20—30'	10—15'	S	S-PS	Tolerates a variety of conditions, white summer flowers, fall color, source of sourwood honey
<b>Non-Native Evergreen</b>					

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Ilex × 'Nellie R. Stevens' Nellie Stevens Holly	30—40'	10—15'	R	S-PS	Red fruit, drought and heat tolerant, male and female plants ( <i>I. cornuta</i> ) needed for best fruiting, also used as a large shrub
Pinus thunbergii Japanese Black Pine	20'	20'	S-M	S	Select small tree cultivar from among dwarf cultivars, heat and drought tolerant
<b>Non-Native Deciduous</b>					
Acer buergerianum Trident Maple	25—35'	20—30'	M	S-PS	Tolerates a variety of conditions; good fall color
Acer campestre Hedge Maple	25—35'	25—35'	S	S	Tolerates drought and air pollution; shallow root system
Carpinus betulus 'Fastigata' Pyramidal European Hornbeam	30—40'	20—30'	S-M	S-PS	Pyramidal when young, tolerates a range of conditions
Koelreuteria paniculata Goldenrain Tree	20—40'	15—35'	M-R	S-PS	Tolerates drought and air pollution, yellow flowers in June
Magnolia × soulangiana or soulangeana Saucer Magnolia	15—25'	15—25'	M	S-PS	Late flowering cultivars avoid frost damage to blooms
Pistacia chinensis Chinese Pistachio	25—35'	20—30'	M-R	S	Drought tolerant, male and female plants needed for fruit, fall color
Prunus 'Kwanzan' Kwanzan Cherry	20—30'	15—25'	M	S-PS	Pink blooms in April, may be short-lived, good fall color, no fruit
Prunus 'Okame' Okame Cherry	15—30'	20—30'	M-R	S	Tolerates a variety of conditions, pink blooms in late winter lasting longer than most cherries
Prunus subhirtella 'Autumnalis' Fall Blooming Cherry	20—30'	15—25'	R	S-PS	Flowers best in full sun, flowers both in fall and late winter, may be short lived
Prunus subhirtella 'Pendula' Weeping Cherry	20—40'	15—30'	M	S	Tolerant of heat and clay soil; white to pinkish flowers in early spring; relatively long lived
Prunus × yedoensis Yoshino Cherry	30—40'	30—50'	R	S	Tolerates a variety of conditions, pale pink to white flowers in early spring, many cultivars available
<b>SMALL VARIETY TREES (MATURE HEIGHT: LESS THAN 25 FEET)</b>					
<b>Native Evergreen</b>					
Ilex vomitoria Yaupon Holly	15—20'	10—20'	S-M	S-SH	Tolerates a variety of conditions, male and female plants needed for fruit, many cultivars available in many sizes

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Magnolia grandiflora 'Little Gem' Little Gem Magnolia	15—20'	8—10'	R	S-PS	Dwarf cultivar of Magnolia grandiflora
Morella or Myrica cerifera Wax-myrtle	10—15'	8—10'	R	S-PS	Tolerates wet to dry soils, can colonize, many cultivars available, male and female plants needed for fruit, also can be used in shrub form
<b>Native Deciduous</b>					
Aesculus pavia Red Buckeye	10—20'	10—20'	M	S-PS	Especially attracts hummingbirds and pollinators, red flowers in spring, leaf scorch may develop in dry soils
Amelanchier × 'Autumn Brilliance' Autumn Brilliance Serviceberry	25—40'	20—30'	S	S-PS	Tolerates a variety of conditions, rust fungus can attack fruit, early spring white blooms, fall color, other cultivars available
Chionanthus virginicus Fringe-tree or Old Man's Beard	12—20'	12—20'	S-M	S-PS	Tolerates a variety of conditions, male and female plants needed for fruit, fragrant white flowers in spring
Crataegus viridis 'Winter King' Winter King Green Hawthorn	15—30'	10—20'	S	S-PS	Drought tolerant, has thorns, other native species available, white flowers in spring, fall color, interesting bark
<b>Non-Native Evergreen</b>					
Ilex cornuta 'Burfordii' Burford Holly	8—20'	5—10'	S-M	S-PS	Drought and heat tolerant, red fruit produced without pollinator, dwarf cultivar available
<b>Non-Native Deciduous</b>					
Acer palmatum Japanese Maple	15—25'	10—25'	S-M	S-PS	Avoid hot, dry and windy sites; many cultivars available
Chionanthus retusus Chinese Fringe-tree	15—25'	10—25'	M	S-PS	Tolerates a variety of conditions, showy white flowers in spring
Cornus kousa Kousa Dogwood	15—30'	15—30'	S	S-PS	Resistant to anthracnose, white flowers in May, fall color
Lagerstroemia indica cvs. Crapemyrtle	15—30'	6—15'	R	S	Summer blooms, attractive bark, overused, many cultivars (including dwarfs) available, do not top
Magnolia stellata Star Magnolia	10—15'	6—10'	S-M	S-PS	Blooms best in full sun, late winter white flowers
Malus hybrida Hybrid Crabapple	15—25'	10—20'	M	S	Plant only disease resistant cultivars, many cultivars available, showy spring flowers and fall fruit

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<i>Prunus sargentii</i> Sargent Cherry	20—40'	20—40'	R	S	One of the hardiest cherries; pink flowers; sensitive to air pollution; reddish bark
<i>Prunus serrulata</i> 'Snowgoose' Snowgoose Japanese Cherry	15—25'	15—20'	M	S-PS	White sprung flowers; reddish bark; may be short-lived
<i>Syringa reticulata</i> Japanese Tree Lilac	20—30'	15—20'	M	S	Tolerates a variety of conditions; creamy white flowers in mid-summer
<b>EVERGREEN SHRUBS AND SCREENING PLANTS</b>					
<b>Native</b>					
<i>Ilex opaca</i> American Holly	40—60'	20—30'	S	S-SH	Tolerates a variety of conditions, male and female plants needed for fruit, pyramidal form, cultivars available
<i>Ilex</i> × <i>attenuata</i> 'Fosteri' Foster's Holly	20—30'	10—20'	R	S-PS	Red fruits, male plants not needed for fruiting, best berry production in full sun
<i>Juniperus virginiana</i> Eastern Red Cedar	40—50'	15—25'	S	S-PS	Tolerates a variety of conditions, pyramidal form, male and female plants needed for fruit
<i>Morella</i> or <i>Myrica cerifera</i> Wax-myrtle	10—15'	8—10'	R	S-PS	Tolerates wet to dry soils, can colonize, many cultivars available, male and female plants needed for fruit, can reach small tree size
<i>Prunus caroliniana</i> Carolina Laurel Cherry	20—40'	15—20'	M-R	S-PS	Tolerates a variety of conditions, colonizes
<i>Thuja occidentalis</i> American Arborvitae	Var.	Var.	Gen. S	S	Many cultivars in countless shapes and sizes, some tolerate part shade, some reach small tree size
<b>Non-Native</b>					
<i>Ilex cornuta</i> 'Burfordii' Burford Holly	8—20'	5—10'	S-M	S-PS	Leaves have spines, drought and heat tolerant, red fruit without pollinator, dwarf cultivar available
<i>Ilex</i> × 'Nellie R. Stevens' Nellie Stevens Holly	30—40'	10—15'	R	S-PS	Red fruit, drought and heat tolerant, male cultivar ( <i>I. cornuta</i> ) needed for best fruiting, also used as a large shrub
<i>Juniperus chinensis</i> cvs. Chinese Juniper cultivars	5—7'	8—10'	M	S	Tolerates a variety of conditions, including drought and air pollution

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Pinus thunbergii Japanese Black Pine	20'	20'	S-M	S	Select small tree cultivar from among dwarf cultivars, heat and drought tolerant
<b>LANDSCAPING SHRUBS</b> {MATURE HEIGHT 36 INCHES OR MORE}					
<b>Native Evergreen</b>					
Agarista populifolia Florida Leucothoe or Agarista	8—12'	8—12'	R	PS	Tolerates a variety of conditions, but prefers moist soil
Ilex glabra Inkberry Holly	5—9'	5—10'	S-M	S-PS	Drought tolerant but prefers moist soil, many cultivars available, male and female plants needed for fruit
Ilex vomitoria Yaupon Holly	10—20'	8—12'	M-R	S-PS	Tolerates wet to dry soils, male and female plants needed for fruit, dwarf and other cultivars available
Illicium floridanum Florida Star-anise	5—8'	6—8'	M	PS-SH	Prefers moist, well-drained soil high in organic matter, many cultivars available, showy spring flowers
Illicium parviflorum Yellow Anise-tree	7—10'	8—10'	M	S-PS	Tolerates a variety of conditions, drought tolerant, can colonize, some cultivars available
Morella or Myrica cerifera Wax-myrtle	10—15'	8—10'	R	S-PS	Tolerates wet to dry soils, can colonize, many cultivars available, male and female plants needed for fruit, can reach small tree size
Rhododendron catawbiense Catawba Rhododendron	6—12'	6—10'	M	PS	Showy flowers, needs excellent drainage and organic soil, many cultivars available
Thuja occidentalis 'Emerald' Emerald American Arborvitae	6—10'	3—6'	M	S-PS	Tolerates a range of soils and conditions; good screening plant
<b>Native Deciduous</b>					
Calycanthus floridus Sweet-shrub or Carolina Allspice	6—9'	6—12'	S-M	S-PS	Tolerates a range of conditions, drought tolerant, fragrant maroon flowers in early spring, fall color, cultivars available
Callicarpa americana American Beautyberry	3—4'	4—5'	R	S-PS	Prefers moist soil, showy purplish berries in fall
Ceanothus americanus New Jersey Tea	3—4'	3—5'	S-M	S-PS	Easy to grow in a wide range of conditions, drought tolerant, early summer flowers

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<i>Clethra alnifolia</i> Sweet-pepperbush	4—8'	4—6'	S-M	S-PS	Needs moist soil, fragrant white summer flowers, may colonize, fall color
<i>Fothergilla gardenii</i> Witch-alder or Fothergilla	3—5'	3—4'	S	S-PS	Drought tolerant, fall color, may colonize, fragrant white spring flowers
<i>Fothergilla major</i> Large Witch-alder	6—10'	5—9'	S	PS	Drought tolerant, cultivars include 'Mt. Airy,' white spring flowers
<i>Hamamelis virginiana</i> Witch-hazel	15—30'	15—25'	S-M	S-PS	Multi-stemmed, yellow fall flowers and leaf color, tolerates heavy clay soil
<i>Hydrangea arborescens</i> Smooth Hydrangea	3—5'	3—5'	R	PS	Suffers in full sun and with drought, likes moist well-drained soil, attracts bees, prune in early spring, cultivars available, including 'Annabelle,' long bloom period
<i>Hydrangea quercifolia</i> Oakleaf Hydrangea	4—8'	3—8'	R	PS-S	Somewhat drought tolerant, attractive bark, needs mulch to keep roots cool, long bloom period in spring and summer, fall color, dwarf cultivars available
<i>Ilex decidua</i> Possum-haw	6—7'	6'	M	PS	Prefers moist, well-drained soil, male and female plants needed for fruit
<i>Ilex verticillata</i> Winterberry	6—15'	6—10'	S-M	S-PS	Tolerates a range of conditions, but prefers moist soil, male and female plants needed for fruit, dwarf cultivars available
<i>Itea virginica</i> Sweetspire	3—6'	4—6'	M	S-PS	Tolerates wide range of moisture, excellent fall color, fragrant white spring flowers
<i>Lindera benzoin</i> Spicebush	6—12'	6—12'	S-M	S-PS	Prefers moist, well-drained soil, male and female plants needed for fruit, fall color, early spring yellowish flowers
<i>Physocarpus opulifolius</i> Eastern Ninebark	5—8'	6—10'	M-R	S-PS	Drought tolerant, tough and durable, white spring flowers, attractive bark, dwarf cultivars available
<i>Rhododendron calendulaceum</i> Flame Azalea	4—8'	8—10'	S	PS	Good for naturalistic landscape, needs some direct sun, orange/yellow flowers in late spring, needs well-drained organic soil
<i>Rhododendron periclymenoides</i> Pinxterbloom Azalea	3—6'	4—7'	S	S-PS	Drought tolerant, needs some sun, pink spring flowers, needs well-drained organic soil
<i>Rhododendron viscosum</i> Swamp Azalea	2—8'	3—8'	M	PS	Likes moist organic soil, but tolerates some drought, fragrant white flowers in early summer

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<i>Sambucus canadensis</i> American Elderberry	5—12'	5—12'	R	S	Likes moist soil, may colonize, white summer flowers and dark fruit
<i>Vaccinium arboreum</i> Sparkleberry	10—20'	10—15'	M	S-SH	Tolerates drought, needs multiple genetic strains for fruit set, fall color
<i>Vaccinium stamineum</i> Deerberry	3—5'	3—5'	M	S-PS	Drought tolerant, needs acidic soil, needs multiple genetic strains for fruit set
<i>Vaccinium virgatum</i> or <i>ashei</i> Rabbiteve Blueberry	8—12'	6—10'	M	S-PS	Drought tolerant, needs acidic soil, needs multiple genetic strains for fruit set, fall color, grown for fruit production
<i>Viburnum acerifolium</i> Mapleleaf Viburnum	4—6'	4—6'	M	S-SH	Tolerates drought, may colonize, needs multiple genetic strains for fruit set, white spring flowers, fall color
<i>Viburnum dentatum</i> Arrow-wood Viburnum	6—10'	6—15'	M	S-PS	Tolerates drought but prefers moist soil, may colonize, needs multiple genetic strains for fruit set, white spring flowers, fall color, cultivars available
<i>Viburnum nudum</i> Possumhaw or Southern Wild Raisin	6—10'	6—10'	M	S-PS	Prefers moist to wet soil, needs multiple genetic strains for fruit set, white spring flowers, fall color, cultivars available
<i>Viburnum prunifolium</i> Blackhaw Viburnum	12—15'	8—12'	S-M	S-SH	Drought tolerant, needs multiple genetic strains for fruit set, white spring flowers, fall color
<i>Viburnum rafinesqueanum</i> Downy Arrow-wood Viburnum	4—6'	4—6'	M	S-PS	Drought tolerant, needs multiple genetic strains for fruit set, white spring flowers, fall color
<i>Viburnum rufidulum</i> Southern Black Haw Viburnum	10—20'	10—15'	M	PS	Needs multiple genetic strains for fruit set, white spring flowers, fall color
<b>Non-Native Evergreen</b>					
<i>Abelia × grandiflora</i> Glossy Abelia	5—8'	5—8'	M-R	S-PS	Tolerates a variety of conditions, drought tolerant, summer flowers, many dwarf cultivars available
<i>Aucuba japonica</i> Aucuba	6—10'	4—6'	S	PS-S	Needs winter shade, drought tolerant, many cultivars available
<i>Berberis julianae</i> Wintergreen Barberry	4—8'	6—8'	S	S-PS	Tolerates a variety of conditions, drought tolerant, has spines, good barrier plant
<i>Berberis verruculosa</i> Warty Barberry	3—6'	3—4'	S	S-PS	Tolerant of drought and urban conditions, tolerates a variety of soils

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Buxus microphylla Littleleaf Boxwood	2—8'	2—8'	S	S-PS	Many shapes and sizes, var. japonica is often used, generally densely branched, leaves may bronze in winter
Buxus sempervirens Common Boxwood	15—20'	10—15'	S	S-PS	Drought tolerant, protect from wind, many cultivars available
Camellia japonica Camellia	8—15'	5—10'	S-M	PS	Excess sun, cold or shade can reduce flowering, many cultivars available, blooms in early spring
Camellia sasanqua Sasanqua Camellia	6—10'	5—7'	M-R	S-PS	Drought tolerant, many cultivars available, blooms in the fall
Euonymus japonicus Japanese Euonymus	10—15'	5—6'	R	S-SH	Tolerates drought and variety of soil types, subject to scale insects
Ilex cornuta cvs. Chinese Holly (i.e., Dw. Burford Holly)	3—25'	4—10'	S-M	S-PS	Favorite cultivars include Dw. Burford and Carissa hollies, many others available, red fruit when present, leaves have spines, drought and heat tolerant, male and female plants needed for fruit
Ilex crenata cvs. Japanese Holly (i.e., Compacta Holly)	4—10'	3—5'	S-M	S-PS	Many cultivars available in varying shapes and sizes, black fruit when present, generally hardy, male and female plants needed for fruit
Juniperus chinensis cvs. Chinese Juniper	Var.	Var.	Var.	S	Many cultivars available in varying shapes and sizes, generally heat and drought tolerant, male and female plants needed for fruit
Loropetalum chinensis Loropetalum	6—10'	6—10'	R	S-PS	Tolerates a variety of conditions, drought tolerant, long spring bloom period, dwarf cultivars available
Osmanthus heterophyllus Tea Olive	8—10'	5—10'	S-M	S-PS	Drought and heat tolerant, a good plant for screening, many cultivars available, fragrant fall flowers
Osmanthus × fortunei Fortune's Osmanthus	15—20'	15—20'	M	S-SH	Drought tolerant, good for screening and barriers, fragrant fall flowers
Pinus mugo Mugo Pine	15—20'	25—30'	S	S-PS	Varies greatly in size; tolerates clay soil, cultivars available
Prunus laurocerasus Cherrylaurel	4—8'	5—8'	M	S-SH	Favorite cultivars are Zabel, Otto Luyken and Schip laurel, need well-drained soil, some disease problems and scale insects
Rhaphiolepis cvs. Indian Hawthorn	4—10'	4—10'	S	S-PS	Tolerates a variety of conditions, drought tolerant, many cultivars available

## SUGGESTED PLANT MATERIALS LIST – TREES & SHRUBS

PLANT NAME/ COMMON NAME	HEIGHT	SPREAD	GROWTH RATE S = SLOW; M = MODERATE; R = RAPID	LIGHT NEEDS S = SUN; SH = SHADE; PS = PARTIAL SUN	COMMENTS
Rhododendron hybrida Evergreen Azalea	2—8'	2—10'	M	PS	Many hybrids and cultivars available, needs well drained soil
Sarcococca confusa Sweetbox Sarcococca	3—5'	3—5'	S-M	PS-SH	Drought tolerant, fragrant flowers in late winter
Viburnum awabuki 'Chindo' Chindo Viburnum	10—15'	6—8'	R	S-PS	Pyramidal form, drought tolerant
Viburnum rhytidophyllum Leatherleaf Viburnum	10—15'	10—15'	M	PS-SH	Protect from winter wind and sun
<b>Non-Native Deciduous</b>					
Chaenomeles speciosa or japonica Japanese Flowering Quince	5—8'	4—8'	R	S-PS	Varied flower colors, flowers best in full sun, tolerates a variety of conditions, many cultivars available, stems often have spines
Cotinus coggygria Smoketree or Smokebush	10—15'	8—12'	M-R	S	Tolerates a range of soil types, drought tolerant, showy summer flowers, many cultivars available
Forsythia × intermedia Border Forsythia	8—10'	10—12'	R	S-PS	Tolerates a variety of conditions, blooms in early spring, best in full sun, many cultivars to choose from
Hydrangea macrophylla Bigleaf Hydrangea	3—4'	4—6'	R	PSH	Moist well drained soil, wilts in drought, long bloom period, needs pruning after blooming
Hydrangea paniculata Panicle Hydrangea	6—20'	6—8'	R	S-PS	Drought tolerant, white flowers in summer, long bloom period, many cultivars available
Kerria japonica Japanese Kerria	3—6'	6—9'	M	PS-SH	Drought tolerant, early spring yellow flowers, interesting green stems, cultivars available
Rosa hybrida Hybrid Landscape Rose (i.e., Knock Out Rose )	3—4'	3—4'	M	S-PS	Drought and disease resistant, blooms all summer, has thorns, many cultivars available
Spiraea cvs. Spirea (excl. Spiraea japonica )	Var.	Var.	Gen. R	S	Spring or summer flowering shrubs, many cultivars available, Spiraea japonica species is considered an invasive exotic in N.C.

## SUGGESTED PLANT MATERIALS LIST – GROUNDCOVERS AND GRASSES

PLANT NAME/ COMMON NAME	DECIDUOUS/ EVERGREEN	HEIGHT	SPREAD	GROWTH RATE S = SLOW; M = MODERATE; R = RAPID	LIGHT NEEDS S = SUN; SH = SHADE; PS = PARTIAL SUN	COMMENTS
<b>Native</b>						
Carex pensylvanica Pennsylvania Sedge or Oak Sedge	Semi-E	.5—1'	.5—1'	M	PS-SH	Plant in moist or dry soil, easy to grow and drought tolerant
Carex plantaginea Seersucker Sedge	E	.5—1'	.5—1'	M	PS	Needs moist soil
Chrysogonum virginianum Green-and-Gold	Semi-E	.5—1'	.75—1.5'	M	PS-SH	Needs good drainage, yellow spring blooms
Fragaria virginiana Wild Strawberry	D	.25— .75'	.75—1'	M-R	S-PS	Native, prefers full sun, fruit is small but flavorful
Heuchera americana or villosa American Alumroot	E	1—2'	1—2'	M	PS-SH	Attractive mottled foliage and small flowers on long wiry stems, prefers moist to average well-drained soil, many cultivars available
Juniperus horizontalis Creeping Juniper	E	1—2'	3-4	M-R	S	Tolerates a variety of conditions, drought tolerant, cultivars available, native to NE US
Mitchella repens Partridge-berry	E	.25'	1'+	S-M	PS-SH	White spring flowers, red fall fruit, prefers moist organic soil
Pachysandra procumbens Allegheny-spurge	E	.5—1'	1-2+'	M	PS-SH	Drought tolerant, very interesting winter leaf, early spring bloom
Phlox stolonifera Creeping Phlox	E	.5—1'	.75-1.5'	R	PS-SH	Prefers light shade and moist soil, spring blooms, many cultivars available
Phlox subulata Moss Phlox	E	.25—.5'	1-2+'	M	S	Good drainage important, drought tolerant, late winter through spring bloom period, many cultivars available
<b>Non-Native</b>						
Cephalotaxus harringtonia 'Prostrata' Prostrate Japanese Plum Yew	E	2—3'	2—5'	S	S-PS	Drought tolerant, can be used for a ground cover
Cotoneaster dammeri cvs. Bearberry Cotoneaster	E	1—2'	3—6'	S-R	S-PS	Needs good drainage, but tolerates poor soils and drought once established;

## SUGGESTED PLANT MATERIALS LIST – GROUNDCOVERS AND GRASSES

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						white flowers in spring and small red fruit
Cotoneaster salicifolius cv. Willowleaf Cotoneaster	Semi-E	1-1.5'	5—6'	M	S-PS	Drought tolerant, tolerates a variety of conditions; foliage turns purplish red in winter, white flowers in spring and small red fruit
Hemerocallis spp. Daylily	D	.75—3'	2—3'	R	S-PS	Tolerates a variety of conditions, summer heat and humidity tolerant, needs dividing, summer blooms, many cultivars available including repeat bloomers
Hypericum calycinum Aaronsbeard	Semi-E	1—1.5'	1.5—2'	M-R	S-PS	Tolerates a variety of conditions, blooms best in full sun
Juniperus conferta Shore Juniper	E	.75—1.5'	6—8'	R	S	Tolerates a variety of conditions, drought tolerant, many cultivars available
Juniperus procumbens Japanese Garden Juniper	E	1—1.5'	10—12'	S	S	Tolerates a variety of conditions, doesn't like wet soils, very hardy, 'Nana' is a popular dwarf cultivar
Liriope muscari Lily-Turf or Liriope	Semi-E	1—1.5'	.75—1'	R	S-PS	Tolerates a variety of conditions, summer flowers, stays green through the winter but needs cutting back in early spring, cultivars available
Microbiota decussata Russian Arborvitae	E	.5—1.5'	3'-8'	M	S-PS	More shade tolerant than some other junipers, foliage turns bronze-purple in fall and winter
Ophiopogon japonicus Mondo	Semi-E	.75—1.3'	1'	R	PS-SH	Tolerates a variety of conditions, cultivars available, colonizes
Pachysandra terminalis Japanese Pachysandra	E	.5—1'	1—1.5'	R	PS-SH	Tolerates a variety of conditions but needs well- drained soil, cultivars available

## SUGGESTED PLANT MATERIALS LIST – GROUNDCOVERS AND GRASSES

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Rubus pentalobus or calycinum Creeping Raspberry	E	.5—1'	3—6'	M	S-PS	Tolerates variety of conditions, leaves turn burgundy in fall and winter
Sarcococca hookeriana var. humilis Dwarf Sweetbox	E	1-1.5'	2—4'	S-M	PS-SH	Drought tolerant, good for shady areas, fragrant winter flowers
<b>Ornamental Grasses - Native</b>						
Andropogon gerardii Big Bluestem or Turkeyfoot	E	4—6'	2—3'		S	Tolerates a wide variety of conditions, drought tolerant, needs sun
Andropogon virginicus Broomsedge	E	3—4'	2—3'		S	Drought tolerant
Muhlenbergia capillaris Pink Muhlygrass or Hairgrass	E	2—3'	2—3'		S-PS	Tolerates a wide variety of conditions, showy pink flowers in summer through fall, cultivars available
Panicum virgatum Switchgrass	E	3—6'	2—3'		S-PS	Tolerates a wide variety of conditions, wet to dry, good fall color, many cultivars available
Schizachyrium scoparium Little Bluestem	E	2—3'	1—2'		S	Tolerates a wide variety of conditions, drought tolerant, cultivars available
Sorghastrum nutans Yellow Indiangrass	E	3—5'	1—2'		S	Tolerates a wide variety of conditions, good fall color
<b>Ornamental Grasses – Non-Native</b>						
Calamagrostis × acutiflora 'Karl Foerster' Feather Reed Grass	E	3—5'	1.2—2.5'		S	Fall color, good for medium to wet soils
Pennisetum alopecuroides Fountain Grass	E	2.5—5'	2.5—5'		S-PS	Tolerates a wide variety of conditions, good fall color, many cultivars available
Pennisetum orientale 'Karley Rose' Oriental Fountain Grass	E	2—3'	2—3'		S-PS	Drought tolerant, deep pink plumes last from early summer to fall