



| 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 |
| LARGE VARIETY TREES (MATURE HEIGHT: 35 FEET OR GREATER) | | | | | |
| Native Evergreen | | | | | |
| 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 |
| Native Deciduous | | | | | |
| 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. |
| Gymnocladus dioica Kentucky Coffee-tree | 60—75' | 40—50' | | S | Tolerant of air pollution and drought, fall color |
| Liquidambar styraciflua Sweet Gum | 80— 120' | 40—60' | R | S | Fall color, best in natural areas due to fruit drop |

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| 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 |
| Taxodium distichum Bald-cypress | 100— 120' | 30—40' | R | S | Pyramidal when young, tolerates wet and dry soils, fall color, attractive trunk |

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| 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 |
| Non-Native Evergreen | | | | | |
| 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 |
| Non-Native Deciduous | | | | | |
| 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 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 |

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| MEDIUM VARIETY TREES (MATURE HEIGHT: 25 TO 35 FEET) | | | | | |
| Native Evergreen | | | | | |
| 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 |
| Native Deciduous | | | | | |
| 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 |
| Non-Native Evergreen | | | | | |
| 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. cornuta) needed for best fruiting, also used as a large shrub |

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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 |
| Non-Native Deciduous | | | | | |
| 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 |
| SMALL VARIETY TREES (MATURE HEIGHT: LESS THAN 25 FEET) | | | | | |
| Native Evergreen | | | | | |
| 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 |
| Magnolia grandiflora 'Little Gem' Little Gem Magnolia | 15—20' | 8—10' | R | S-PS | Dwarf cultivar of Magnolia grandiflora |

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| 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 |
| Native Deciduous | | | | | |
| 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 |
| Non-Native Evergreen | | | | | |
| 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 |
| Non-Native Deciduous | | | | | |
| 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 |
| Prunus sargentii Sargent Cherry | 20—40' | 20—40' | R | S | One of the hardiest cherries; pink flowers; sensitive to air pollution; reddish bark |
| Prunus serrulata 'Snowgoose' | 15—25' | 15—20' | M | S-PS | White sprung flowers; reddish bark; may be short-lived |

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| Snowgoose Japanese Cherry | | | | | |
| Syringa reticulata Japanese Tree Lilac | 20—30' | 15—20' | M | S | Tolerates a variety of conditions; creamy white flowers in mid-summer |
| EVERGREEN SHRUBS AND SCREENING PLANTS | | | | | |
| Native | | | | | |
| 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, cultivars available |
| 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 |
| Juniperus virginiana Eastern Red Cedar | 40—50' | 15—25' | S | S-PS | Tolerates a variety of conditions, pyramidal form, male and female plants needed for fruit |
| 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 |
| Prunus caroliniana Carolina Laurel Cherry | 20—40' | 15—20' | M-R | S-PS | Tolerates a variety of conditions, colonizes |
| Thuja occidentalis American Arborvitae | Var. | Var. | Gen. S | S | Many cultivars in countless shapes and sizes, some tolerate part shade, some reach small tree size |
| Non-Native | | | | | |
| Ilex cornuta '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 |
| Ilex × 'Nellie R. Stevens' Nellie Stevens Holly | 30—40' | 10—15' | R | S-PS | Red fruit, drought and heat tolerant, male cultivar (I. cornuta) needed for best fruiting, also used as a large shrub |
| Juniperus chinensis cvs. Chinese Juniper cultivars | 5—7' | 8—10' | M | S | Tolerates a variety of conditions, including drought and air pollution |
| Pinus thunbergii Japanese Black Pine | 20' | 20' | S-M | S | Select small tree cultivar from among dwarf cultivars, heat and drought tolerant |
| LANDSCAPING SHRUBS {MATURE HEIGHT 36 INCHES OR MORE} | | | | | |
| Native Evergreen | | | | | |

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| 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 |
| Native Deciduous | | | | | |
| 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 |
| Clethra alnifolia Sweet-pepperbush | 4—8' | 4—6' | S-M | S-PS | Needs moist soil, fragrant white summer flowers, may colonize, fall color |
| Fothergilla gardenii Witch-alder or Fothergilla | 3—5' | 3—4' | S | S-PS | Drought tolerant, fall color, may colonize, fragrant white spring flowers |
| Fothergilla major Large Witch-alder | 6—10' | 5—9' | S | PS | Drought tolerant, cultivars include 'Mt. Airy,' white spring flowers |

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| Hamamelis virginiana Witch-hazel | 15—30' | 15—25' | S-M | S-PS | Multi-stemmed, yellow fall flowers and leaf color, tolerates heavy clay soil |
| Hydrangea arborescens 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 |
| Hydrangea quercifolia 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 |
| Ilex decidua Possum-haw | 6—7' | 6' | M | PS | Prefers moist, well-drained soil, male and female plants needed for fruit |
| Ilex verticillata 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 |
| Itea virginica Sweetspire | 3—6' | 4—6' | M | S-PS | Tolerates wide range of moisture, excellent fall color, fragrant white spring flowers |
| Lindera benzoin 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 |
| Physocarpus opulifolius Eastern Ninebark | 5—8' | 6—10' | M-R | S-PS | Drought tolerant, tough and durable, white spring flowers, attractive bark, dwarf cultivars available |
| Rhododendron calendulaceum 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 |
| Rhododendron periclymenoides Pinxterbloom Azalea | 3—6' | 4—7' | S | S-PS | Drought tolerant, needs some sun, pink spring flowers, needs well-drained organic soil |
| Rhododendron viscosum Swamp Azalea | 2—8' | 3—8' | M | PS | Likes moist organic soil, but tolerates some drought, fragrant white flowers in early summer |
| Sambucus canadensis American Elderberry | 5—12' | 5—12' | R | S | Likes moist soil, may colonize, white summer flowers and dark fruit |
| Vaccinium arboreum Sparkleberry | 10—20' | 10—15' | M | S-SH | Tolerates drought, needs multiple genetic strains for fruit set, fall color |
| Vaccinium stamineum Deerberry | 3—5' | 3—5' | M | S-PS | Drought tolerant, needs acidic soil, needs multiple genetic strains for fruit set |

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| Vaccinium virgatum or ashei 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 |
| Viburnum acerifolium 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 |
| Viburnum dentatum 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 |
| Viburnum nudum 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 |
| Viburnum prunifolium Blackhaw Viburnum | 12—15' | 8—12' | S-M | S-SH | Drought tolerant, needs multiple genetic strains for fruit set, white spring flowers, fall color |
| Viburnum rafinesqueanum 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 |
| Viburnum rufidulum Southern Black Haw Viburnum | 10—20' | 10—15' | M | PS | Needs multiple genetic strains for fruit set, white spring flowers, fall color |
| Non-Native Evergreen | | | | | |
| Abelia × grandiflora Glossy Abelia | 5—8' | 5—8' | M-R | S-PS | Tolerates a variety of conditions, drought tolerant, summer flowers, many dwarf cultivars available |
| Aucuba japonica Aucuba | 6—10' | 4—6' | S | PS-S | Needs winter shade, drought tolerant, many cultivars available |
| Berberis julianae Wintergreen Barberry | 4—8' | 6—8' | S | S-PS | Tolerates a variety of conditions, drought tolerant, has spines, good barrier plant |
| Berberis verruculosa Warty Barberry | 3—6' | 3—4' | S | S-PS | Tolerant of drought and urban conditions, tolerates a variety of soils |
| 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 |

| 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 |
| 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 |
| 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 |

| SUGGESTED PLANT MATERIALS LIST – TREES & SHRUBS | | | | | |
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| Viburnum rhytidophyllum Leatherleaf Viburnum | 10—15' | 10—15' | M | PS-SH | Protect from winter wind and sun |
| Non-Native Deciduous | | | | | |
| 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 coggygia 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 |
| 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 |
| Native | | | | | | |
| 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 |
| Non-Native | | | | | | |
| 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 |
| Ornamental Grasses - Native | | | | | | |
| 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 |
| Ornamental Grasses – Non-Native | | | | | | |
| 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 |