

# SMALL TREES

## 10 TO 30 FEET TALL

### Recommended for New Hanover County Landscapes

Underlined names indicate drought-tolerant trees \* = Indicates a Plant Native to SE USA

#### DECIDUOUS TREES

| Common Name               | Botanical Name                | Water Use Zone | Recommended Varieties                         | Flowers/Fruit/Fall Color  | Height/Spread (ft) | Growth Rate    | Soil                  | Exposure           |
|---------------------------|-------------------------------|----------------|---|---|--------------------|----------------|-----------------------|--------------------|
| Southern Sugar Maple*     | <i>Acer barbatum</i>          | 1,2,3          |   | Yellow and Orange Fall Color  | 20-25/<br>15-20    | Medium         | Moist to Well Drained | Sun to Light Shade |
| <u>Trident Maple</u>      | <i>Acer buergerianum</i>      | 1,2,3          |   | Yellow, Orange and Red Fall Color                                   | 20-25/<br>10-15    | Medium         | Well Drained          | Sun                |
| Japanese Maple            | <i>Acer palmatum</i>          | 1,2            | Many Available                                | Red Fall Color  | 15-25/<br>10-20    | Slow           | Well Drained          | Sun to Part Shade  |
| Red Buckeye*              | <i>Aesculus pavia</i>         | 1,2            |   | Red flowers in Spring   | 10-20/<br>10-15    | Slow           | Moist to Well Drained | Sun to Part Shade  |
| Serviceberry*             | <i>Amelanchier arborea</i>    | 1,2            | 'Autumn Brilliance'                           | White flowers in Spring, Red fruit in Summer, Orange Fall Color     | 20-25/<br>10-15    | Medium         | Moist to Well Drained | Sun to Part Shade  |
| Pawpaw*                   | <i>Asimina triloba</i>        | 1,2            |   | Edible Fruit in Fall  | 15-20/<br>10-15    | Medium         | Moist to Well Drained | Sun to Part Shade  |
| Ironwood*                 | <i>Carpinus caroliniana</i>   | 1,2            |   | Interesting Bark  | 20-30/<br>15-25    | Slow           | Wet to Well Drained   | Sun to Part Shade  |
| <u>Redbud*</u>            | <i>Cercis canadensis</i>      | 1,2,3          | 'Forest Pansy'<br>'Royal White'<br>'Oklahoma' | Purple or White Flowers in Spring                                   | 20-30/<br>20-25    | Medium         | Moist to Well Drained | Sun to Part Shade  |
| <u>Chinese Fringetree</u> | <i>Chionanthus retusus</i>    | 1,2,3          |   | White Flowers in Spring   | 15-25/<br>15-25    | Slow           | Well Drained          | Sun to Part Shade  |
| Fringe Tree*              | <i>Chionanthus virginicus</i> | 1,2            |   | White Flowers in Spring   | 10-20/<br>15-20    | Slow to Medium | Moist to Well Drained | Sun to Part Shade  |
| Flowering Dogwood*        | <i>Cornus florida</i>         | 1,2            | 'Cloud 9'<br>'Cherokee Princess'              | White Flowers in Spring, Red Berries in Fall, Burgundy Autumn Color | 15-25/<br>10-20    | Slow to Medium | Moist to Well Drained | Sun to Part Shade  |

| Common Name                                | Botanical Name                    | Water Use Zone | Recommended Varieties  | Flowers/Fruit/ Fall Color   | Height/ Spread (ft)                     | Growth Rate    | Soil                  | Exposure           |
|--|-----------------------------------|----------------|--|---|---|----------------|-----------------------|--------------------|
| Kousa Dogwood                              | <i>Cornus kousa</i>               | 1,2            |  | White Flowers in Spring   | 20-30/<br>20-30                         | Slow to Medium | Well Drained          | Sun to Light Shade |
| Washington Hawthorn*                       | <i>Crataegus phaenopyrum</i>      | 1,2,3          |  | White Flowers in Spring, Red Fruit in Fall, Thorny                            | 25-30/<br>20-25                         | Medium         | Moist to Well Drained | Sun to Light Shade |
| Carolina Silverbell*                       | <i>Halesia tetraptera</i>         | 1,2,3          |  | White Flowers in Spring   | 20-30/<br>15-20                         | Medium         | Moist to Well Drained | Sun to Part Shade  |
| Possumhaw*                                 | <i>Ilex decidua</i>               | 1,2,3          | ‘Warren’s Red’<br>‘Council Fire’   | Red berries in Fall and Winter  | 15-20/<br>10-15                         | Medium         | Moist to Well Drained | Sun to Light Shade |
| <u>Crape Myrtle</u>                        | <i>Lagerstroemia</i> hybrids      | 1,2,3          | ‘Osage’ ‘Sioux’<br>‘Natchez’<br>‘Tuskegee’<br>‘Biloxi’<br>‘Miami’<br>‘Lipan’ | White, Pink, Lavender, Purple, or Red Flowers in Summer depending on Variety. | 15-30/<br>10-25<br>Depending on Variety | Fast           | Well Drained          | Sun                |
| Star Magnolia                              | <i>Magnolia stellata</i>          | 1,2,3          |  | White or Pink Flowers in Spring   | 15-20/<br>10-15                         | Slow           | Well Drained          | Sun to Light Shade |
| Saucer Magnolia                            | <i>Magnolia x soulangiana</i>     | 1,2,3          |  | Pink Flowers in Spring  | 20-30/<br>15-25                         | Medium         | Well Drained          | Sun to Light Shade |
| Sourwood*                                  | <i>Oxydendrum arboretum</i>       | 1,2,3          |  | White Flowers in Summer, Red Fall Color                                       | 25-30/<br>15-20                         | Slow           | Well Drained          | Sun to Part Shade  |
| ‘Okame’ Cherry<br>‘Dreamcatcher’<br>Cherry | <i>Prunus campanulata</i> hybrids | 1,2,3          |  | Pink Flowers in Spring  | 20-30/<br>15-20                         | Medium         | Well Drained          | Sun to Light Shade |
| Japanese Flowering Apricot                 | <i>Prunus mume</i>                | 1,2            |  | Pink, Red, or White Flowers in Winter   | 15-25/<br>15-25                         | Medium         | Well Drained          | Sun to Light Shade |
| Japanese Flowering Cherry                  | <i>Prunus serrulata</i>           | 1,2            | ‘Kwanzan’  | Pink Flowers in Spring  | 20-30/<br>20-30                         | Medium         | Well Drained          | Sun to Light Shade |
| Higan Cherry                               | <i>Prunus subhirtella</i>         | 1,2            | ‘Autumnalis’   | Pink Flowers in Spring and Fall   | 20-30/<br>15-25                         | Medium         | Well Drained          | Sun to Light Shade |
| Yoshino Cherry                             | <i>Prunus x yedoensis</i>         | 1,2            |  | Light Pink Flowers in Spring  | 15-25/<br>15-25                         | Medium         | Well Drained          | Sun to Light Shade |

| Common Name        | Botanical Name              | Water Use Zone | Recommended Varieties             | Flowers/Fruit/ Fall Color                           | Height/ Spread (ft) | Growth Rate | Soil                  | Exposure          |
|--------------------|-----------------------------|----------------|-----------------------------------|---|---------------------|-------------|-----------------------|-------------------|
| Japanese Snowbell  | <i>Styrax japonicus</i>     | 1,2            | 'Emerald Pagoda'<br>'Pink Chimes' | W or P Flowers in Spring                            | 20-30/<br>20-30     | Medium      | Well Drained          | Sun to Part Shade |
| Blackhaw Viburnum* | <i>Viburnum prunifolium</i> | 1,2            |                                   | White Flowers in Spring, Edible Black Fruit in Fall | 10-20/<br>10-15     | Medium      | Moist to Well Drained | Sun to Part Shade |
| <u>Chastetree</u>  | <i>Vitex agnus-castus</i>   | 1,2,3          |                                   | Pink, or Lavender-Blue Flowers in Summer            | 15-20/<br>10-15     | Medium      | Well Drained          | Sun               |

### EVERGREEN TREES

| Common Name                   | Botanical Name                              | Water Use Zone | Recommended Varieties                           | Flowers/Fruit/ Fall Color                                     | Height/ Spread (ft) | Growth Rate    | Soil                  | Exposure           |
|-------------------------------|---|----------------|---|---|---------------------|----------------|-----------------------|--------------------|
| Loquat                        | <i>Eriobotrya japonica</i>                  | 1,2,3          |   | Fragrant White Flowers in Fall/Winter. Edible Fruit in Spring | 15-20/<br>15-20     | Medium         | Well Drained          | Sun to Light Shade |
| Lusterleaf Holly              | <i>Ilex latifolia</i>                       | 1,2,3          |   | Red Berries in Fall/Winter                                    | 20-25/<br>15-20     | Medium         | Well Drained          | Sun to Part Shade  |
| American Holly*               | <i>Ilex opaca</i>                           | 1,2,3          |   | Red Berries in Fall/Winter                                    | 20-30/<br>15-20     | Slow           | Moist to Well Drained | Sun to Part Shade  |
| <u>Yaupon*</u>                | <i>Ilex vomitoria</i>                       | 1,2,3          | 'Hoskin's Shadow'<br>'Kathy Ann'<br>'Katherine' | Red, Orange, or Yellow Berries in Fall/Winter                 | 15-20/<br>10-15     | Medium to Fast | Moist to Xeric        | Sun to Light Shade |
| Topel Holly*                  | <i>Ilex x attenuata</i>                     | 1,2,3          | 'Savannah',<br>'Fosters',<br>'Greenleaf'        | Red Berries in Fall/Winter                                    | 20-30/<br>10-15     | Medium         | Moist to Well Drained | Sun to Part Shade  |
| <u>'Nellie Stevens' Holly</u> | <i>Ilex x 'Nellie R. Stevens'</i>           | 1,2,3          |   | Red Berries in Fall/Winter                                    | 15-25/<br>10-15     | Medium         | Moist to Well Drained | Sun to Part Shade  |
| 'Little Gem' Magnolia*        | <i>Magnolia grandiflora</i><br>'Little Gem' | 1,2,3          |   | Fragrant White Flowers in Summer                              | 20-25/<br>10-15     | Slow to Medium | Moist to Well Drained | Sun to Part Shade  |
| Sweet Bay*                    | <i>Magnolia virginiana</i>                  | 1,2            |   | Fragrant White Flowers in Spring                              | 20-30/<br>10-20     | Medium to Fast | Moist to Well Drained | Sun to Part Shade  |

| Common Name                   | Botanical Name              | Water Use Zone | Recommended Varieties | Flowers/Fruit/<br>Fall Color                  | Height/<br>Spread (ft) | Growth Rate | Soil                  | Exposure           |
|-------------------------------|-----------------------------|----------------|-----------------------|---|------------------------|-------------|-----------------------|--------------------|
| <u>Waxmyrtle*</u>             | <i>Myrica cerifera</i>      | 1,2,3          |                       | Blue-Black Berries on Female Plants in Winter | 10-20/<br>10-20        | Fast        | Moist to Xeric        | Sun to Light Shade |
| <u>Carolina Cherrylaurel*</u> | <i>Prunus caroliniana</i>   | 1,2,3          |                       | White Flowers in Spring                       | 20-30/<br>15-20        | Fast        | Well Drained to Xeric | Sun to Light Shade |
| Anise Tree*                   | <i>Illicium parviflorum</i> | 1,2,3          |                       | Insignificant Flowers in Spring               | 10-15/<br>10-15        | Fast        | Moist to Well Drained | Sun to Part Shade  |
| <u>Palmetto Palm*</u>         | <i>Sabal palmetto</i>       | 1,2,3          |                       | White Flowers in Summer                       | 10-30/<br>10-15        | Slow        | Moist to Well Drained | Sun to Part Shade  |

### Native Plants\*

A plant native to SE USA implies a plant endemic to the Southeastern portion of the United States, from Virginia to Eastern Texas.

### Water Use Zones

Water Use Zones indicate the water needs of various plants and correspond to the following NCCE publications:

- *Water Wise Use in Landscaping* [http://www.bae.ncsu.edu/bae/programs/extension/publicat/wqwm/ag508\\_1.html](http://www.bae.ncsu.edu/bae/programs/extension/publicat/wqwm/ag508_1.html)
- *How to Plan and Design a Water Wise Use Landscape* [http://www.bae.ncsu.edu/bae/programs/extension/publicat/wqwm/ag508\\_2.html](http://www.bae.ncsu.edu/bae/programs/extension/publicat/wqwm/ag508_2.html)

### Drought Tolerant Plants

Extremely drought tolerant plants are marked with an underline. When planted in their preferred soil type, these plants are able to withstand extended periods of drought, 4-6 weeks, without supplemental irrigation once established. Most trees and shrubs take two to three seasons to become fully established.

### Recommended Varieties

For many plants, recommended varieties are given. These are selections of that plant that either perform better in our area or are more suitable to landscape use than the plain species. Plant varieties, also known as cultivars, are listed enclosed in single quotes.

### Exposure

Exposure refers to the amount of sunlight a site receives as follows:

- **Full sun** indicates a site that receives at least 8hrs of direct sun each day.
- **Light Shade** indicates a site that is shaded less than half of the day by a light high shade such as that cast by pine trees.
- **Part Shade** indicates a site that is shaded for half the day by a dense shade such as that cast by buildings or shade trees.
- **Full Shade** indicates a site that is in shade all day.

### Soil

Soil refers to soil condition at the site as follows:

- **Wet** indicates a site that stays moist most of the time and receives periodic flooding.
- **Moist** indicates a site that is moist most of the time with brief (less than 12hrs) periods of standing water.
- **Well Drained** indicates a site where water drains from the surface and rarely stands.
- **Xeric** indicates a site that is extremely dry and sandy with very little ability to hold water.

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