

# LARGE TREES

## 30 FEET AND TALLER

### Recommended for New Hanover County Landscapes

Underlined names indicate a drought-tolerant tree \* = Indicates a plant native to SE USA

#### DECIDUOUS TREES

Common Name	Botanical Name	Water Use Zone	Recommended Varieties	Ornamental Features	Height/Spread (ft)	Growth Rate	Soil	Exposure
Red Maple*	<i>Acer rubrum</i>	1,2	'October Glory' 'Red Sunset'	O to R Fall Color	40-50/25-35	Medium	Moist to Well Drained	Sun to Light Shade
River Birch*	<i>Betula nigra</i>	1,2,3	'Heritage' 'Dura-heat'	White Bark	40-70/40-60	Fast	Moist to Well Drained	Sun
<u>Sugarberry*</u>	<i>Celtis laevigata</i>	1,2,3		Smooth Gray Bark	60-80/50-70	Medium to Fast	Moist to Well Drained	Sun
American Beech*	<i>Fagus grandifolia</i>	1,2,3		Smooth Gray Bark, Tan Leaves in Winter	50-70/40-60	Slow	Well Drained	Sun
Green Ash*	<i>Fraxinus pennsylvanica</i>	1,2,3		Y Fall Color	50-60/40-50	Fast	Moist to Well Drained	Sun
<u>Ginkgo, Maidenhair Tree</u>	<i>Ginkgo biloba</i>	1,2,3	'Autumn Gold'	Y Fall Color	50-70/30-40	Slow	Well Drained	Sun
<u>Japanese Crape Myrtle</u>	<i>Lagerstroemia fauriei</i>	1,2,3	'Fantasy' 'Townhouse'	Dramatic Cinnamon Bark, Small W Flowers in Summer	30-40/25-35	Medium	Well Drained	Sun
Dawn Redwood	<i>Metasequoia glyptostroboides</i>	1,2		Ferny Foliage, Rusty Fall Color	60-100/20-25	Fast	Moist to Well Drained	Sun
Black Gum*	<i>Nyssa sylvatica</i>	1,2,3		R Fall Color	30-50/20-30	Slow to Medium	Moist to Well Drained	Sun
Water Oak*	<i>Quercus nigra</i>	1,2,3		Very Tough	50-80/30-60	Medium to Fast	Moist to Well Drained	Sun

Common Name	Botanical Name	Water Use Zone	Recommended Varieties	Ornamental Features	Height/Spread (ft)	Growth Rate	Soil	Exposure
Nuttall Oak*	<i>Quercus nutallii</i>	1,2,3		R Fall Color	40-60/30-50	Medium	Moist to Well Drained	Sun
<u>Willow Oak*</u>	<i>Quercus phellos</i>	1,2,3		Dark Green Foliage, Fine Texture	80-100/40-50	Medium	Moist to Well Drained	Sun
Pondcypress*	<i>Taxodium ascendens</i>	1,2,3		Unusual Texture	60-80/15-20	Medium	Moist to Well Drained	Sun
<u>Baldcypress*</u>	<i>Taxodium distichum</i>	1,2,3		Lacey Foliage	50-70/20-30	Medium	Wet to Well Drained	Sun
<u>Lacebark Elm</u>	<i>Ulmus parvifolia</i>	1,2,3	'Bosque', 'Allee', 'Athena'	Bark Flakes in Patterns Exposing White, Brown, Green	40-50/30-40	Fast	Well Drained	Sun

### EVERGREEN TREES

Common Name	Botanical Name	Water Use Zone	Recommended Varieties	Ornamental Features	Height/Spread (ft)	Growth Rate	Soil	Exposure
Deodar Cedar	<i>Cedrus deodora</i>	1,2,3		Grayish to Bluish Needles, Interesting Texture and Form	50-70/50-70	Medium	Well Drained	Sun
Atlantic White Cedar*	<i>Chamaecyparis thyoides</i>	1,2,3		Evergreen Needles	40-60/10-20	Medium	Moist to Well Drained	Sun
Japanese Cedar	<i>Cryptomeria japonica</i>	1,2,3	'Yoshino' 'Radicans'	Interesting Texture	40-60/20-30	Medium	Moist to Well Drained	Sun
<u>Eastern Red Cedar*</u>	<i>Juniperus virginiana</i>	2,3		Extremely Tough	30-50/10-20	Medium	Well Drained to Xeric	Sun

Common Name	Botanical Name	Water Use Zone	Recommended Varieties	Ornamental Features	Height/Spread (ft)	Growth Rate	Soil	Exposure
Southern Magnolia*	<i>Magnolia grandiflora</i>	1,2	'Alta', 'Hasse', 'D.D. Blanchard', 'Claudia Wannamaker'	Large, Fragrant W Flowers in Summer	60-80/30-50	Slow to Medium	Well Drained	Sun to Part Shade
<u>Longleaf Pine*</u>	<i>Pinus palustris</i>	1,2,3		Long Needles, Large Pinecones	50-60/15-20	Medium	Well Drained	Sun
Loblolly Pine*	<i>Pinus taeda</i>	1,2,3		Fast Growth	60-90/20-30	Fast	Moist to Well Drained	Sun
<u>Laurel Oak*</u>	<i>Quercus hemisphaerica</i>	1,2,3	'Darlington'	Small Leaves, Fine Texture	40-60/30-40	Medium	Well Drained	Sun
<u>Live Oak*</u>	<i>Quercus virginiana</i>	1,2,3		Wide Spreading, Drooping Branches	60-80/60-80	Medium	Well Drained to Xeric	Sun

### 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. Perennials, grasses and groundcovers usually require one to two seasons to become established.

### Mature Size

Mature sizes of all plants are given as height x width, though many may take several years to reach these dimensions. Mature size can vary depending on growing conditions.

### 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.

## FOR MORE INFORMATION:

### WEBSITE

For more detailed information about each plant and to see images, visit the **Plant Fact Sheets** on the **NC Cooperative Extension Consumer Horticulture website**:

<http://www.ces.ncsu.edu/depts/hort/consumer/index.html>

### VISIT US

To see many of these plants growing in a landscape setting, visit the **NHC Arboretum**, part of the NHC Cooperative Extension program. The Arboretum is located at 6206

Oleander Drive and is open seven days a week during daylight hours, free. To find out more, visit

<http://www.gardeningnhc.org/> or call 452-6393.

### PLANT INFORMATION CLINIC

If you have questions about plant selection and maintenance, lawn care, vegetable gardening or plant pest problems, call or visit the NHC Cooperative Extension **Plant Information Clinic**. The Plant Clinic is open from 9am to 3pm, Monday through Friday and is staffed by trained Master Gardener volunteers and Extension Horticulture Agents. Call direct at 452-6382 or stop by during operating hours. The **NHC Cooperative Extension Center** is open 8am to 5pm, Monday – Friday and is located at 6206 Oleander Drive, phone 452-6393.

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