

# Brunswick County Newcomer's Packet



**NC STATE**

Extension Master Gardener



## How to use this guide

**PLANT VARIETIES, also known as cultivars, are the recommended plant selections that perform better in our area than others or the plain species.**

**UNDERLINED** plants are extremely drought-tolerant and can withstand 4-6 weeks without supplemental irrigation once established (1 year for perennials, 2-3 years for shrubs and trees).

**HEIGHT IN FEET** is how tall the plant will be when it is mature, usually given as a range (i.e 4-6').

### **WATER USE ZONES**

- **High (H):** Zones where plants need frequent watering, sometimes daily if there is no rain;
- **Moderate (M):** Zones where plants need an average amount of water; they will need to be watered moderately if there is no regular rain, more often in hot and dry periods;
- **Low (L)** Zones where plants normally need no supplemental water except in extended droughts; these plants may also come with the descriptor *drought tolerant*.

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

- **Full sun** indicates a site that receives at 6+ hours of direct sun each day;
- **Part sun** indicates a site that receives 4-6 hours of sunlight;
- **Part shade** indicates a site that receives 1-3 hours of direct sunlight each day;
- **Full shade** indicates a site that receives no direct sun all day.


### **UNDERSTANDING EXPSOURE RANGES:**

- **Sun-pt. shade:** plant will perform best if given afternoon shade
- **Pt. shade-shade:** plant needs some direct morning sunlight exposure, but should be in shade by noon.

Plants denoted with an asterisk (\*) are considered *native* to North America, North Carolina, and/or indigenous to Brunswick County.

# ANNUALS

## Recommended for Coastal Southeast Landscapes

	<p><b>Cool season annuals</b> ideally should be planted from October through mid-November, but can also be planted from March-May. Cool season annuals will die out in extreme heat.</p> <p><b>Warm season annuals</b> are best planted from mid-April through May and may last into November.</p> <p><b>All annuals grow best in a well-prepared soil with good drainage.</b></p>
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### Cool Season Annuals

Common Name	Botanical Name	Water Use Zone	Height (in)	Cultivars	Exposure
Snapdragon	<i>Antirrhinum majus</i>	H	6-36	Floral showers, Apricot bicolor, Montego-O	Sun-Pt. Shade
English Daisy	<i>Bellis perennis</i>	H, M	6 - 12	Bellissima Series Strawberries & Cream	Sun-Pt. Shade
Swiss Chard	<i>Beta vulgaris</i>	H, M	24	Falmingo, Bright Lights, Oriole	Sun
Ornamental Cabbage and Kale	<i>Brassica oleracea</i>	H, M	12 - 24	Nagoya Garnish Red, Redbor	Sun
'Giant Red' Mustard	<i>Brassica juncea</i>	H, M	18	Giant Red	Sun
Calendula	<i>Calendula officinalis</i>	H	12 - 24	Alpha Indian Prince Porcupine	Sun-Pt. Shade
Bachelor's Buttons	<i>Centaurea cyanus</i>	H, M	12 - 36	Florist Blue Boy Amethyst Dream	Sun-Pt. Shade
Cardoon	<i>Cynara cardunculus</i>	H, M, L	48-72	Porto Spineless	Sun
Chinese Forget-me-not	<i>Cynoglossum amabile</i>	M,L	18-24		Sun-Pt. Shade
Delphinium	<i>Delphinium x elatum</i>	H, M	12-24	Guardian Blue, Aurora Blue, Magic Fountain Purple	Sun-Pt. Shade
Sweet Williams	<i>Dianthus barbatus</i>	H, M	4-18	Sooty, Holborn Glory	Sun-Pt. Shade
Foxglove	<i>Digitalis purpurea</i>	H, M	24-60	Camelot Rose, Foxy, Candy Mountain	Sun-Pt. Shade
Wallflower	<i>Erysimum cheiri</i>	M, L	6-18		Sun

California Poppy	<i>Eschscholzia californica</i>	M, L	12-24		Sun
Dame's Rocket	<i>Hesperis matronalis</i>	M, L	24-36		Sun-Pt. Shade
Annual Candytuft	<i>Iberis umbellata</i>	M, L	9-12		Sun
Sweet Alyssum	<i>Lobularia maritima</i>	H, M	3-10		Sun-Pt. Shade
Stock	<i>Matthiola incana</i>	H, M	0.75-18		Sun
Forget-me-nots	<i>Myosotis sylvatica</i>	H	6-18		Sun-Pt. Shade
Parsley	<i>Petroselinum crispum</i>	H, M	12	Giant of Italy, Moss Curled II, Darki	Sun
Dusty Miller	<i>Senecio cineraria</i>	H, M, L	6-12		Sun
Pansy	<i>Viola x wittrockiana</i>	H, M	8-12	Sorbet, Delft Blue	Sun-Pt. Shade

## Warm-season Annuals for Sun and Pt. Shade

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Summer snapdragon	<i>Angelonia angustifolia</i>	M, L	8-36	Dresden Blue, Angelface Pink, Wedgwood Blue	Sun
Ageratum	<i>Ageratum houstonianum</i>	H, M	8 - 24	Leilani blue, Neptune blue, Summer stars	Sun-Pt. Shade
<u>Joseph's Coat</u>	<i>Amaranthus tricolor</i>	M,L	18-60	Illumination, Splendons	Sun-Pt. Shade
Alternanthera	<i>Alternanthera dentata</i>	H,M	12-36	Purple knight, Snow queen	Sun-Pt. Shade
Angelonia	<i>Angelonia angustifolia</i>	M,L	24 - 48	Alba, AngelMist	Sun-Pt. Shade
Wax Begonia	<i>Begonia semperflorens</i>	H, M, L	6-12	Prelude White, Senator Red	Sun-Shade
Million Bells	<i>Callibrachoa x hybrida</i>	H, M	6-10	Cherry Red, Dreamsicle, Evening Star	Sun-Pt. shade
<u>Ornamental Pepper</u>	<i>Capiscum annum</i>	H,M	10-20	Aurora, Candleabra	Sun-Pt. shade
<u>Madagascar Periwinkle</u>	<i>Catharanthus roseus</i>	M, L	6 - 18	Apricot Cooler, Blue Pearl, Cooler orchid	Sun-Pt. shade
<u>Cockscomb</u>	<i>Celosia argentea var. cristata</i>	H, M, L	12-36	Jewel Box Mix, Cristata, Lipstick	Sun
Dusty Miller	<i>Centaurea cineraria</i>	L	24-36	Colchester White, Silver Dust	Sun-Pt. shade
Coleus	<i>Solenostemum scutellarioides</i>	M	24-36	Lime Time Flamethrower series Redhead	Sun-Shade
Cosmos	<i>Cosmos bipinnatus</i>	H, M, L	36-72	Psyche Mix,	Sun-Pt. Shade

				Candy Stripe, Daydream	
<u>Mexican Heather</u>	<i>Cuphea hyssopifolia</i>	M, L	6-24	Allyson Deep Rose	Sun -Pt. Shade
<u>Mexican Cigar Plant</u>	<i>Cuphea ignea</i>	H, M	12-24	David Verity	Sun-Pt. Shade
<u>Blue Daze</u>	<i>Evolvulus pilosus</i>	M, L	6-12	Blue Daze	Sun
<u>Globe Amaranth</u>	<i>Gomphrena globosa</i>	M, L	12-24	Pinball Purple, Ping Pong White, Pink Zazzle	Sun
Ornamental Sweet Potato	<i>Ipomoea batatas</i>	H, M	12-60	Blackie, Sulfur, Pink Frost	Sun-Pt. Shade
<u>Weeping Lantana</u>	<i>Lantana montevidensis</i>	L	36	Chapel Hill Yellow, Patriot Cowboy, Patriot Rainbow	Sun
<u>Melampodium</u>	<i>Melampodium paludosum</i>	H, M, L	18 - 24	Million Gold, Showstar	Sun
Red Fountain Grass	<i>Pennisetum setaceum</i>	H, M, L	24 - 36	Rubrum Dwarf, Purpureum, Cupreum	Sun
<u>Pentas</u>	<i>Pentas lanceolata</i>	M, L	12 - 24	New Look Pink, New Look Red, New Look White	Sun
Petunia	<i>Petunia x hybrida</i>	H, M, L	6-18	Avalanche Lavender, Blue Ice, Eagle Pink	Sun-Pt. Shade
<u>Cuban Oregano</u>	<i>Plectranthus amboinicus</i>	L	24 - 30		Sun
<u>Silver Plectranthus</u>	<i>Plectranthus argenteus</i>	L	24		Sun
<u>Moss Rose</u>	<i>Portulaca grandiflora</i>	1,2,3	4 - 6		Sun
<u>Purslane</u>	<i>Portulaca oleracea</i>	1,2,3	6		Sun
<u>Texas Sage</u>	<i>Salvia coccinea</i>	1,2,3	18 - 24		Sun to Lt. Shade
<u>Mealycup Sage</u>	<i>Salvia farinacea</i>	1,2,3	12 - 24		Sun to Lt. Shade
Scarlet Sage	<i>Salvia splendens</i>	1,2,3	12 - 18		Sun-Pt. Shade
<u>Fan Flower</u>	<i>Scaevola aemula</i>	1,2	8		Sun to Lt. Shade
Coleus	<i>Solenostemon scutellarioides</i>	1,2	24 - 36		Sun-Shade
Persian Shield	<i>Strobilanthus dyerianus</i>	1,2	24		Sun-Pt. Shade
Marigold	<i>Tagetes erecta, Tagetes patula</i>	1,2	12 - 30		Sun
<u>Mexican Sunflower</u>	<i>Tithonia rotundifolia</i>	1,2,3	36 - 48		Sun
Verbena	<i>Verbena x hybrida</i>	1,2	6-12		Sun to Lt. Shade
<u>'Profusion' Zinnia</u>	<i>Zinnia elegans</i>	1,2	12		Sun

# PERENNIALS

## Recommended for Coastal Southeast Landscapes



**Perennial plants** are those plants which persist for many growing seasons once they are planted. In the fall, herbaceous leaves die to the ground, but the root systems will persist and generate new growth the following spring.

There are many perennial plants that tolerate a wide range of growing conditions in Coastal NC, and the choices can be overwhelming. Use this guide to help you get started on choosing the right perennials for your garden.

## Perennials for Shade

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Bear's breeches	<i>Acanthus sp.</i>	H, M	36-48	Tasmanian Angel Summer Beauty	Pt. shade
Bugleweed, Carpet Bugle	<i>Ajuga reptans</i>	M, L	4-8	Black scallop Burgundy glow Chocolate chip Golden glow	Lt. shade-full shade
Columbine*	<i>Aquilegia sp.</i>	H-L	24-36	Little lanterns Bluebird	Pt. shade
Italian arum	<i>Arum italicum</i>	H, M	12-24	Pictum	Lt. shade-full shade
Cast iron plant	<i>Aspidistra elatior</i>	M, L	24-26		Pt. shade-full shade
Japanese painted fern	<i>Athyrium nipponicum</i>	H,L	18	Pictum	Lt. shade-full shade
Hardy begonia	<i>Begonia grandis</i>	H, M	15	Victory Challenger Ambassador	Lt. shade-full shade
Green and gold*	<i>Chrysogonum virginanum</i>	H, M	8-12		Lt. shade-full shade
Holly fern	<i>Cyrtomium falcatum</i>	H-L	18-24		Pt. shade-full shade
Autumn fern	<i>Dryopteris erythrosa</i>	H, M	18-24		Pt. shade-full shade
Joe pye weed*	<i>Eutrochium fistulosum</i>	H, M	24-120	Little joe	Pt. shade
Carolina phlox*	<i>Phlox Carolina</i>	H,M	24-48		Pt. shade
Christmas fern*	<i>Polystichum achrostichoides</i>	H-L	12-36		Pt. shade-full shade

## Perennials for Sun-Pt. Shade

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Yarrow	<i>Achillea millefolium</i>	H-L	24-36	Pink grapefruit Coronation gold Terracotta	Sun
Anise hyssop*	<i>Agastache foeniculum</i>	H-L	24-236	Blue fortune	Sun
Arkansas blue star*	<i>Amsonia hubrichtii</i>	H-L	36-48		Sun
Blue star*	<i>Amsonia tabernaemontana</i>	H-L	36-48		Sun-pt. shade
Flame acanthus	<i>Anisacanthus quadrifidus</i>	M, L	24-36		Sun
Artemisia	<i>Artemisia</i> X 'Powis Castle"	M, L	24-36	Powis castle	Sun
Butterfly weed*	<i>Asclepias tuberosa</i>	L	12-24		Sun
Swamp milkweed*	<i>Asclepias incarnata</i>	H, M	12-24	Cinderella Ice Ballet	Sun-pt. shade
Heath aster*	<i>Aster ericoides</i>	H-L	24-48	Monte Cassino Pink Star	Sun
Smooth aster*	<i>Aster laevis</i>	H, M	36	Bluebird	Sun-lt. shade
New England aster*	<i>Aster novae-angliae</i>	H, M	18	Purple Dome Fanny October Skies	Sun
Aromatic aster*	<i>Aster oblongifolius</i>	H-L	24-48		Sun
Tartarian aster	<i>Aster tartaricus</i>	H, M	36-48	Jin Dai	Sun
False wild indigo*	<i>Baptisia</i> sp.	M, L	24-36	Carolina moonlight Purple smoke	Sun-pt. shade
White boltonia*	<i>Boltonia asteroides</i>	H, M	48	Snowbank	Sun
Wine cups, poppy mallow*	<i>Callirhoe involucrate</i>	M, L	12		Sun
Canna lily	<i>Canna</i> X hybridas	H-L	24-72	Ferrandii Russian lance Pretty butterfly Uncle Sam	Sun
Turtlehead*	<i>Chelone</i> sp.	H, M	24-36		Sun-pt. shade
Shasta daisy	<i>Chrysanthemum</i> X <i>superbum</i>	H, M	24-26	May Queen Becky	Sun-pt. shade
Mouse ear coreopsis*	<i>Coreopsis auriculata</i>	H, M	12-24	Nana	Sun
Tickseed*	<i>Coreopsis lanceolate</i>	H-L	12-24		Sun
Threadleaf coreopsis*	<i>Coreopsis verticillata</i>	H-L	12-24	Golden Showers Zagreb	Sun
Crinum lily	<i>Crinum</i> sp. and hybrids	M, L	24-48		Sun
Hardy ice plant	<i>Delosperma cooperi</i> <i>D. nubigenum</i>	M, L	6	Fire spinner Alan's apricot	Sun


				Lesotho pink	
Cheddar pinks	<i>Dianthus gratianopolitanus</i>	H-L	8-12	Bath's pink Firewitch Greystone	Sun
Purple coneflower*	<i>Echinacea purpurea</i>	M, L	36-60	Bravado Kim's knee high White swan Magnus	Sun
Gaura*	<i>Gaura lindheimeri</i>	M, L	24-36	So White Pink cloud	Sun
Gerber daisy	<i>Gerbera jamesonii</i>	H, M	12		Sun
Mexican firebush	<i>Hamelia patens</i>	M, L	36-48		Sun
Hardy ginger lily	<i>Hedychium</i> sp. and hybrids	H, M	48-72		Sun
Swamp sunflower*	<i>Helinathus angustifolius</i>	H, M	72		Sun
Daylily	<i>Hemerocallis</i> sp. and hybrids	H-L	12-48		Sun-pt. shade
Hardy hibiscus*	<i>Hibiscus moscheutos</i> , <i>H. coccineus</i>	H, M	48-60	Anne Arundel Blue River II	Sun-lt. shade
Confederate rose	<i>Hibiscus mutabilis</i>	H, M	60-72		Sun
Evergreen candytuft	<i>Iberis sempervirens</i>	H-L	12		Sun
Bearded iris	<i>Iris X hybrida</i>	H-L	24-48		Sun-lt. shade
Siberian iris	<i>Iris siberica</i>	H, M	24-48		Sun-pt. shade
Seashore mallow*	<i>Kosteletzkya virginica</i>	H, M	48-60		Sun
Lantana	<i>Lantana</i> sp.	L	24-48	Miss Huff Tangerine New Gold Radiation	Sun
Cardinal flower*	<i>Lobelia cardinalis</i>	H,M	36		Pt. shade-sun
Russian sage	<i>Perovskia</i> sp.	M, L	36-48	Blue spire Little spire	Sun
Coneflower*	<i>Rudbeckia fulgida</i>	H-L	36-48	Goldstrum	Sun-lt. shade
Green headed coneflower*	<i>Rudbeckia laciniata</i>	H, M	36-48		Sun-pt. shade
Sweet coneflower*	<i>Rudbeckia subtomentosa</i>	H-L	36-60		Sun
Autumn sage	<i>Salvia greggii</i> , <i>S. microphylla</i>	H-L	24-48	Big pink Dark dancer Hot lips San Carlos Festival	Sun
Anise sage	<i>Salvia guarantitica</i>	M, L	36-48	Black and Blue	Sun-pt. shade
Pincushion flower	<i>Scabiosa columbaria</i>	H-L	18	Butterfly blue Pink mist	Sun-lt. shade
Sedum	<i>Sedum</i> hybrids	H-L	24-36	Matrona Autumn fire	Sun
Stonecrops	<i>Sedum reflexum</i> , <i>S. album</i> , <i>S. tetractinum</i>	M, L	6-8	Blue spruce Murale	Sun
Goldenrod*	<i>Solidago rugosa</i>	M, L	12-36	Fireworks	Sun
Seaside goldenrod*	<i>Solidago sempervirens</i>	M, L	36-48		Sun



<i>Showy goldenrod*</i>	<i>Solidago speciose</i>	H-L	24-36		Sun
<i>Lamb's ear</i>	<i>Stachys byzantine</i>	M, L	24	Helene Von Stein	Sun-lt. shade
<i>Stoke's aster*</i>	<i>Stokesia laevis</i>	H-L	12-24		Sun-pt. shade
<i>Carolina lupine*</i>	<i>Thermopsis caroliniana</i>	H, M	36-48		Sun-pt. shade
<i>Verbena*</i>	<i>Verbena canadensis</i>	H-L	8-12	Homestead purple Snowflurry	Sun-lt. shade
<i>Creeping veronica</i>	<i>Veronica peduncularis</i>	H, M	8	Georgia blue	Sun-pt. shade
<i>Speedwell</i>	<i>Veronica spicata</i>	H, M	24	Sunny border blue	Sun-pt. shade
<i>Rain lily</i>	<i>Zephyranthes</i> sp. and hybrids	H, M	12		Sun-pt. shade

# GROUNDCOVERS

## Recommended for Coastal Southeast Landscapes

	<p>Groundcovers are generally characterized as those plants that grow low to the ground, spread over time, and are low-maintenance alternatives to traditional turfgrass. Groundcovers also provide a dense vegetative barrier that can mitigate weed pressure in landscape beds.</p>
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## Groundcovers for Sun

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Prostrate Abelia	<i>Abelia grandiflora</i>	L	18-24	Prostrata	Sun-pt. shade
Beach wormwood*	<i>Artemisia stelleriana</i>	L	6-12	Silver Brocade	Sun
Cherokee sedge*	<i>Carex cherokeensis</i>	M	12-18		Sun-pt. shade
Willowleaf Cotoneaster	<i>Cotoneaster salicifolius</i>	H, M, L	12-15	Scarlet leader; Gnom; Autumn Fire	Sun-pt. shade
Hardy Ice Plant	<i>Delosperma cooperi</i> ; <i>D. nubigena</i>	M, L	4-6		Sun
Pinks	<i>Dianthus</i> sp.	M, L	6-18	Bath's Pink; Firewitch; Floral Lace Crimson	Sun
Love Grass*	<i>Eragrostis elliottii</i> <i>E. specatabilis</i>	L	24-36	Wind Dancer; Purple love grass	Sun
Carolina jessamine	<i>Gelsemium sempervirens</i>	M, L	10-20'	Pride of Augusta; Margarita;	Sun-pt. shade
Daylily	<i>Hemerocallis</i> x hybrids	H, M, L	18-48		Sun-pt. shade

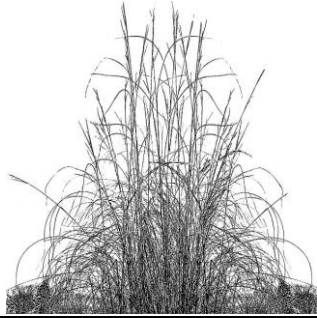
Candytuft	<i>Iberis sempervirens</i>	L	6-8	Alexander White	Sun
Shore juniper	<i>Juniperus conferta</i>	L	12-18	Blue pacific	Sun
Creeping juniper*	<i>Juniperus horizontalis</i>	L	10-12	Wiltonii; Blue Chip; Blue Rug	Sun
Andorra juniper	<i>Juniperus horizontalis</i> 'Plumosa compacta'	L	18		Sun
Firepower nandina	<i>Nandina domestica</i> 'Firepower'	L	24-36	Firepower	Sun
Moss phlox*	<i>Phlox subulata</i>	L	4-6		Sun
Orange coneflower*	<i>Rudbeckia fulgida</i>	M, L	24-30	Goldsturm	Sun-pt. shade
Stonecrop	<i>Sedum reflexum</i> ; <i>S. album</i> <i>S. tetractinum</i>	L	4-6	Blue Spruce; Murale	Sun

## Groundcovers for Shade

Common Name	Botanical Name	Water Use Zone	Height (in)	Cultivars	Exposure
Carpet bugle/Bugleweed	<i>Ajuga reptans</i>	M	4-8	Bronze beauty; Jungle beauty	Pt. shade-shade
Pussytoes*	<i>Antennaria plantaginifolia</i>	M, L	4-8		Pt. shade-shade
Japanese ardisia	<i>Ardisia japonica</i>	H, M	4-8		Pt. shade-shade
Japanese painted fern	<i>Athyrium nipponicum</i>	H, M	12-18		Pt. shade-shade
Grassland sedge*	<i>Carex divulsa</i>	M, L	10-12		Pt. shade
Oak sedge/Pennsylvania sedge*	<i>Carex pennsylvanica</i>	M, L	8-10		Shade
Green and Gold*	<i>Chrysogonum virginianum</i>	M	6-8		Pt. shade-shade
Holly fern*	<i>Cyrtomum falcatum</i>	H-L	24-30		Pt. shade-shade
Autumn fern*	<i>Dryopteris erythrosa</i>	H, M	18-24		Pt. shade-shade
Liriope	<i>Liriope muscari</i>	M, L	18-24	Silver sun; Webster; Silvery sunproof	Pt. shade-shade
Creeping liriope	<i>Liriope spicata</i>	L	8-12	Silver dragon	Pt. shade-shade
Mondo grass	<i>Ophiopogon japonicus</i>	L	6-10		Sun-shade
Periwinkle	<i>Vinca major</i> <i>V. minor</i>	M, L	8-18		Pt. shade-shade

# ORNAMENTAL GRASSES & SEDGES

## Recommended for Coastal Southeast Landscapes



Ornamental grasses are tough, low-maintenance, and attractive solutions for difficult spots in coastal gardens. Cultivars range in size from a few inches to over 8' tall and each has unique qualities that will deliver 3 seasons of interest to home landscapes.

### Warm Season Grasses

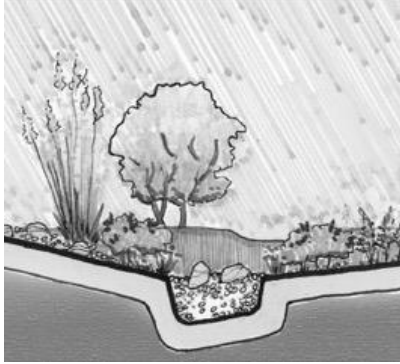
Common Name	Botanical Name	Water Use Zone	Height (in)	Cultivars	Exposure
Feather Reed Grass	<i>Calamagrostis brachytricha</i>	H-L	48-60		Sun-Pt. Shade
River Oats*	<i>Chasmanthum latifolium</i>	H-L	24-36		Sun-Shade
Blue Love Grass*	<i>Eragrostis elliottii</i>	M, L	36-48	Wind Dancer	Sun
Purple Love Grass*	<i>Eragrostis spectabilis</i>	M, L	6-12		Sun
Maiden Grass	<i>Miscanthus sinensis</i>	H-L	Varies	Little Kitten, Gold Breeze, Bandwidth	Sun-Pt. Shade
Muhly Grass*	<i>Muhlenbergia capillaris</i>	M, L	36-48	Pink, White Cloud	Sun
Blue sand switchgrass*	<i>Panicum amarum</i>	L	48-60	Dewey Blue	Sun
Panic Grass*	<i>Panicum virgatum</i>	M, L	Varies	Thundercloud, Prairie Sky, Dallas Blues	Sun
Fountain Grass	<i>Pennisetum alopecuroides</i>	H-L	Varies	Cassian, Foxtrot, Hameln	Sun-Pt. Shade
Tall Fountain Grass	<i>Pennisetum orientale</i>	H-L	Varies	Karley Rose	Sun-Pt. Shade
Little Bluestem*	<i>Schizachyrium scoparium</i>	M, L	24-36	Blaze, Prairie Blues, The Blues	Sun
Indian Grass*	<i>Sorghastrum nutans</i>	H-L	36-48	Indian Steel	Sun

## Cool Season Sedges

Common Name	Botanical Name	Water Use Zone	Height (in)	Cultivars	Exposure
Appalachian Sedge*	<i>Carex appalachia</i>	M, L	12-18		Pt. Shade-Shade
Cherokee Sedge*	<i>Carex cherokeensis</i>	H-L	12-18		Sun-Pt. Shade
Gray's Sedge*	<i>Carex grayi</i>	H, M	24-36		Sun-Pt. Shade
Bunny blue sedge*	<i>Carex laxiculmis</i>	H, M	6-12	Hobb	Pt. Shade-Shade
Hop sedge*	<i>Carex lupulina</i>	H, M	24-36		Sun-Pt. Shade

# Plants for Rain Gardens

## Recommended for Coastal Southeast Landscapes



Soil conditions in rain gardens alternate between wet and dry, making them tough places for many plants to grow. The plants in this file are adapted to these conditions, though some plants will tolerate more moisture than others.

Each plant is marked according to its flooding tolerance, with 'H' being tolerant of longer flooding, 'M' only tolerating brief flooding, and 'L' indicate plants that tolerant extended drought once established. See key for more information.

## Trees for Recommended Rain Gardens

Common Name	Botanical Name	Water Use Zone	Deciduous (D)/Evergreen (E)	Height (ft)	Exposure
Red Maple*	<i>Acer rubrum</i>	M	D	40-60	Sun-pt. shade
Red buckeye*	<i>Aesculus pavia</i>	M	D	10-20	Pt. shade
River Birch*	<i>Betula nigra</i>	H-L	D	40-70	Sun-pt. shade
Ironwood/Musclewood*	<i>Carpinus carolinana</i>	H-L	D	20-30	Sun-pt. shade
Redbud*	<i>Cercis canadensis</i>	M, L	D	15-30	Pt. shade
Fringetree*	<i>Chionanthus virginicus</i>	M, L	D	12-20	Sun-pt. shade
Green ash*	<i>Fraxinus pennsylvanica</i>	H	D	50-60	Sun
Dahoon holly*	<i>Ilex cassine</i>	M, L	E	20-30	Sun

Possumhaw*	<i>Ilex decidua</i>	H-L	D	20-30	Sun-pt. shade
American holly*	<i>Ilex opaca</i>	M, L	E	30-60	Sun
Eastern red cedar*	<i>Juniperus virginiana</i>	L	E	30-40	Sun
Southern magnolia*	<i>Magnolia grandiflora</i>	M, L	E	40-80	Sun
Sweetbay*	<i>Magnolia virginiana</i>	H	E	10-60	Pt. shade-shade
Black gum*	<i>Nyssa sylvatica</i>	M	D	40-60	Sun-pt. shade
Devilwood*	<i>Osmanthus americanus</i>	M, L	E	15-25	Pt. shade
Longleaf pine*	<i>Pinus palustris</i>	M, L	E	80-100	Sun
Swamp laurel oak*	<i>Quercus laurifolia</i>	H	E	65-80	Sun
Nuttall oak*	<i>Quercus nuttallii</i>	M, L	D	40-60	Sun
Willow oak*	<i>Quercus phellos</i>	M, L	D	60-80	Sun
Willow	<i>Salix babylonica</i>	H	D	30-50	Sun
Bald cypress*	<i>Taxodium distichum</i>	H-L	D	50-100	Sun

## Shrubs Recommended for Rain Gardens

Common Name	Botanical Name	Water Use Zone	Deciduous (D)/Evergreen (E)	Height (ft)	Exposure
Florida leucothoe*	<i>Agarista populifolia</i>	M	E	8-12	Pt. shade
Chokeberry*	<i>Aronia arbutifolia</i>	H, L	D	6-10	Sun-pt. shade
Beautyberry*	<i>Callicarpa americana</i>	M	D	3-10	Sun
Sweetshrub*	<i>Calycanthus floridus</i>	M	D	6-9	Pt. shade-shade
Buttonbush*	<i>Cephalanthus occidentalis</i>	H, M	D	6-10	Sun-pt. shade
Pepperbush*	<i>Clethra alnifolia</i>	M	D	4-10	Sun-pt. shade
Strawberry bush*	<i>Euonymus americanus</i>	M, L	D	4-6	Pt shade
Fothergilla*	<i>Fothergilla gardenia</i>	M	D	3-5	Sun-pt. shade
Inkberry*	<i>Ilex glabra</i>	M	E	6-8	Sun-pt. shade
Winterberry*	<i>Ilex verticillata</i>	H	D	6-15	Sun-pt. shade
Yaupon holly*	<i>Ilex vomitoria</i>	L	E	10-20	Sun
Florida anise shrub*	<i>Illicium floridanum</i>	H	E	8-10	Pt. shade
Anise shrub*	<i>Illicium parviflorum</i>	M, L	E	7-14	Sun-pt. shade
Virginia sweetspire*	<i>Itea virginica</i>	H, L	D	3-6	Sun-pt. shade

Doghobble/Coastal leucothoe*	<i>Leucothoe axillaris</i>	H, M	E	2-4	Pt. shade-shade
Spicebush*	<i>Lindera benzoin</i>	M	D	6-12	Sun-pt. shade
Wax myrtle*	<i>Morella cerifera</i>	M, L	E	6-12	Sun
Dwarf palmetto*	<i>Sabal minor</i>	H	E	6-10	Sun
Possumhaw/Arrowood*	<i>Viburnum nudum</i>	H	D	6-10	Sun-pt. shade

## Perennials Recommended for Rain Gardens

Common Name	Botanical Name	Water Use Zone	Exposure
Climbing aster*	<i>Ampelaster carolinianus</i>	H	Sun-pt. shade
Blue star*	<i>Amsonia hubrichtii</i> ; <i>A. tabernaemontana</i>	H-L	Sun-pt. shade
Lady fern*	<i>Athyrium felix-femina</i>	M	Pt. shade-shade
Butterfly milkweed*	<i>Asclepias tuberosa</i>	L	Sun
Swamp milkweed*	<i>Asclepias incarnata</i>	H, M	Sun-pt. shade
Falso indigo*	<i>Baptisia</i> sp.	M, L	Sun
Boltonia*	<i>Boltonia asteroides</i>	H	Sun
Turtlehead*	<i>Chelone glabra</i>	H	Sun-pt. shade
Green and Gold*	<i>Chrysogonum virginianum</i>	M	Pt. shade
Tickseed*	<i>Coreopsis lanceolate</i>	L	Sun
Swamp coreopsis*	<i>Coreopsis rosea</i>	M	Sun
Joe pye weed*	<i>Eutrochium dubium</i>	H, M	Sun-pt. shade
Swamp sunflower*	<i>Helianthus angustifolius</i>	H	Sun
Texas star*	<i>Hibiscus coccineus</i>	H	Sun
Swamp mallow*	<i>Hibiscus moscheutos</i>	H	Sun
Blue flag iris*	<i>Iris virginica</i>	H	Sun-pt. shade
Seashore mallow*	<i>Kosteletskyia virginica</i>	H	Sun
Gayfeather*	<i>Liatris spicata</i>	M	Sun-pt. shade
Cardinal flower*	<i>Lobelia cardinalis</i>	H	Pt. shade
Cinnamon fern*	<i>Osmunda cinnamomea</i>	H	Pt. shade-shade
Royal fern*	<i>Osmunda regalis</i>	H	Pt. shade-shade
Garden phlox*	<i>Phlox subulata</i>	M, L	Sun
Black-eyed susan*	<i>Rudbeckia</i> sp.	H-L	Sun
Green headed coneflower*	<i>Rudbeckia laciniata</i>	H	Sun

Goldenrod*	<i>Solidago</i> sp.	M, L	Sun
Stokes' aster*	<i>Stokesia laevis</i>	M	Sun-pt. shade
Ironweed*	<i>Vernonia novaboracensis</i>	H	Sun
Verbena*	<i>Verbena canadensis</i>	M, L	Sun

## Ornamental Grasses Recommended for Rain Gardens

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Exposure</b>
Lurid sedge*	<i>Carex lurida</i>	H	Sun
Fringed sedge*	<i>Carex crinita</i>	H	Sun
Southern waxy sedge*	<i>Carex glaucescens</i>	H	Sun
White topped sedge*	<i>Rhynchospora latifolia</i>	H	Sun
River Oats*	<i>Chasmanthum latifolium</i>	H-L	Sun-Shade
Muhly Grass*	<i>Muhlenbergia capillaris</i>	M, L	Sun
Blue sand switchgrass*	<i>Panicum amarum</i>	L	Sun
Panic Grass*	<i>Panicum virgatum</i>	M, L	Sun

# DEER RESISTANT PLANTS

## Recommended for Coastal Southeast Landscapes



Hungry deer can devastate landscape plants in just a matter of a few nights. While it is true that some plants like azaleas and blueberries are preferred food sources for white-tailed deer, there are many attractive landscape selections that are less palatable and less frequently damaged by deer.

### **Tips on Deer and Plants**

**No plant is deer proof!** When hungry, deer will eat anything to survive. During stressful times such as drought, plants that are usually avoided may be damaged.

**Deer will eat almost anything in spring,** as tender new growth emerges from plants. Deer prefer vegetation that is soft to the touch and high in water content. They especially relish **flower buds**.

**Over fertilized and over watered** plants are particularly lush and appealing to deer.

The **plants deer prefer not to eat** have common characteristics:

- Thorny or prickly leaves or stems
- Strong scents and pungent tastes, such as herbs
- Poisonous parts
- Thick, latex-like sap
- Hairy leaves

Using a combination of a variety of methods to deter deer will give the most dependable results. To find out more about additional strategies to minimize deer damage in your landscape, visit the online publications listed at the end of this fact sheet.

The rest of this file contains information on how much deer typically damage specific varieties of **Trees, Shrubs, Palms, Ornamental Grasses, Groundcovers, Ferns, Vines, Perennials, Bulbs and Annuals** that grow in Coastal Southeastern North Carolina.



# LANDSCAPE TREES

Deer injure trees in two ways: By eating foliage and twigs, and by rubbing against the bark with their antlers, which is especially damaging to young trees or those with thin bark. Wire cylinders and other protective devices are available to protect the trunks of young trees from this type of damage.

The shape and mature size of a tree will greatly determine its susceptibility to grazing damage. Damage is most common on trees that are young and still small enough to reach, those that are low branched, and those that do not grow very large.

In deer-prone landscapes, trees that grow tall and hold their branches high are the best choice, though they may need to be protected until they are tall enough to be out of a deer's reach. Trees can be protected individually with wire cages, or planted in an area of the landscape that is fenced off.



## Trees

Common Name	Scientific Name	Evergreen (E)/Deciduous (D)	Exposure
Japanese maple	<i>Acer palmatum</i>	D	Pt. shade-shade
Red maple	<i>Acer rubrum</i>	D	Sun-pt. shade
Red Buckeye*	<i>Aesculus pavia</i>	D	Pt. shade
River birch*	<i>Betula nigra</i>	D	Sun-pt. shade
Deodar cedar	<i>Cedrus deodora</i>	E	Sun-pt. shade
Redbud*	<i>Cercis canadensis</i>	D	Pt. shade-sun
Chinese fringe tree	<i>Chionanthus retusus</i>	D	Pt. shade-sun
Fringe tree*	<i>Chionanthus virginicus</i>	D	Pt. shade-sun
Dogwood	<i>Cornus florida</i>	D	Pt. shade-sun
Hawthorn*	<i>Crataegus species</i>	D	Sun
Japanese cedar	<i>Cryptomeria japonica</i>	E	Sun-pt. shade
Ginkgo	<i>Ginkgo biloba</i>	D	Sun
Honey Locust*	<i>Gleditsia triacanthos</i>	D	Sun
Witch hazel	<i>Hamamelis sp.</i>	D	Pt. shade
Foster's holly* Savannah holly* East Palatka holly*	<i>Ilex x attenuata</i> hybrids	E	Sun
Nellie Stevens' holly	<i>Ilex x 'Nellie Stevens'</i>	E	Sun
American holly*	<i>Ilex opaca</i>	E	Sun-pt. shade
Eastern red cedar*	<i>Juniperus virginiana</i>	E	Sun
Golden rain tree	<i>Koelreuteria paniculate</i>	D	Sun
Crape myrtle	<i>Lagerstroemia hybrids</i>	D	Sun
Southern magnolia*	<i>Magnolia grandiflora</i>	E	Sun
Sweetbay magnolia*	<i>Magnolia virginica</i>	E	Pt. shade
Saucer magnolia	<i>Magnolia soulangiana</i>	D	Sun-pt. shade
Crabapple	<i>Malus sp.</i>	D	Sun

Dawn redwood	<i>Metasequoia glyptostroboides</i>	E	Sun
Longleaf pine*	<i>Pinus pallustris</i>	E	Sun
Loblolly pine*	<i>Pinus taeda</i>	E	Sun
Japanese black pine	<i>Pinus thunbergii</i>	E	Sun
Carolina cherry laurel*	<i>Prunus caroliniana</i>	E	Sun-pt. shade
Cherries and plums	<i>Prunus</i> sp.	D	Sun-pt. shade
Basket oak	<i>Quercus michauxii</i>	D	Sun-pt. shade
Willow oak*	<i>Quercus phellos</i>	D	Sun
Live oak*	<i>Quercus virginiana</i>	E	Sun
Weeping willow	<i>Salix babylonica</i>	D	Sun-pt. shade
Bald cypress*	<i>Taxodium distichum</i>	D	Sun-pt. shade
Chaste tree	<i>Vitex agnus-castus</i>	D	Sun

## Shrubs

Common Name	Scientific name	Evergreen (E)/Deciduous (D)	Exposure
Glossy abelia	<i>Abelia x grandiflora</i>	Semi-evergreen	Sun
Pineapple guava	<i>Acca sellowiana</i>	E	Sun-pt. shade
Fetterbush/Florida leucothoe*	<i>Agarista populifolia</i>	E	Pt. shade-sun
Wintergreen barberry	<i>Berberis julianae</i>	E	Sun-pt. shade
Japanese boxwood	<i>Buxus microphylla</i>	E	Sun-pt. shade
Bottlebrush	<i>Callistemon rigidus</i>	E	Sun
Sweetshrub*	<i>Calycanthus floridus</i>	D	Pt. shade-shade
Blue mist shrub	<i>Caryopteris x clandonensis</i>	D	Sun
Plum yew	<i>Cephalotaxus harringtonia</i>	E	Pt. shade-shade
Forsythia/Yellowbells	<i>Forsythia x intermedia</i>	D	Sun-pt. shade
Dwarf Fothergilla	<i>Fothergilla gardenii</i>	D	Pt. shade
Gardenia	<i>Gardenia jasminoides</i>	E	Pt. shade
Inkberry holly*	<i>Ilex glabra</i>	E	Sun-pt. shade
Dwarf yaupon*	<i>Ilex vomitoria</i>	E	Sun
Anise shrub*	<i>Illicium parviflorum</i>	E	Pt. shade
Chinese juniper	<i>Juniperus chinensis</i>	E	Sun
Lorapetalum	<i>Loraoetalum chinense</i>	E	Sun
Wax myrtle	<i>Myrica cerifera</i>	E	Sun-pt. shade
Oleander	<i>Nerium oleander</i>	E	Sun-pt. shade
Tea olive	<i>Osmanthus fragrans</i> <i>O. herterophylla</i>	E	Sun
Southern Yew	<i>Podocarpus macrophyllus</i>	E	Sun-pt. shade
Arrowwood/Viburnum	<i>Viburnum</i> sp.	D	Sun-pt. shade

## Ornamental Grasses

Common Name	Scientific name	Evergreen (E)/Deciduous (D)	Exposure
Feather reed grass	<i>Calamagrostis brachytricha</i>	D	Sun-pt. shade
River oats*	<i>Chasmanthum latifolium</i>	D	Sun-shade
Maiden grass	<i>Miscanthus sinensis</i>	D	Sun-pt. shade
Muhly grass*	<i>Muhlenbergia capillaris</i>	D	Sun
Blue sand switchgrass*	<i>Panicum amarum</i>	D	Sun
Panic grass*	<i>Panicum virgatum</i>	D	Sun
Fountain grass	<i>Pennisetum alopecuroides</i>	D	Sun-pt. shade

## Perennials (including ferns)

Common Name	Scientific name	Exposure
Yarrow	<i>Achillea</i> sp.	Sun-pt. shade
Anise hyssop*	<i>Agastache foeniculum</i>	Sun-pt. shade
Bugleweed	<i>Ajuga reptans</i>	
Texas bluestar	<i>Amsonia hubrichtii</i>	Sun-pt. shade
Columbine*	<i>Aquilegia</i> sp.	Pt. shade-shade
Butterfly weed*	<i>Asclepias tuberosa</i>	Sun
Common milkweed*	<i>Asclepias syriaca</i>	Sun-pt. shade
Swamp milkweed*	<i>Asclepias incarnata</i>	Sun-pt. shade
Cast iron plant	<i>Aspidistra elatior</i>	Shade
Lady fern*	<i>Athyrium filix-femina</i>	Shade
Japanese painted fern	<i>Athyrium nipponicum</i>	Shade
False indigo*	<i>Baptisia</i> sp.	Sun
Green and Gold*	<i>Chrysogonum virginianum</i>	Pt. shade-shade
Holly fern*	<i>Cyrtomium falcatum</i>	Shade
Tickseed*	<i>Coreopsis</i> sp.	Sun
Dianthus	<i>Dianthus</i> sp.	Sun-pt. shade
Purple coneflower*	<i>Echinacea purpurea</i>	Sun
Joe pye weed*	<i>Eutrochium</i> sp.	Sun-pt. shade
Guara*	<i>Guara lindheimeri</i>	Sun-pt. shade
Lenten rose	<i>Helleborus x hybridus</i>	Shade
Lantana	<i>Lantana</i> sp.	Sun
Bee balm*	<i>Monarda</i> sp.	Sun-pt. shade
Cinnamon fern*	<i>Osmunda cinnamomea</i>	Shade
Royal fern*	<i>Osmunda regalis</i>	Shade
Russian sage	<i>Perovskia</i> hybrids	Sun
Christmas fern*	<i>Polystichum aristochroides</i>	Shade
Rosemary	<i>Rosmarinus officinalis</i>	Sun
Texas sage*	<i>Salvis greggii</i>	Sun
Anise sage	<i>Salvia guarantica</i>	Sun
Goldenrod*	<i>Solidago</i> sp.	Sun-pt. shade
Lamb's ear	<i>Stachys byzantine</i>	Sun-pt. shade

Prickly pear*	<i>Opuntia</i> sp.	Sun
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## Bulbs

Common Name	Scientific name	Exposure
Agapanthus	<i>Agapanthus</i> sp.	Sun
Ornamental onion	<i>Allium aflatunense</i>	Sun
Hardy cyclamen	<i>Cyclamen hederifolium</i>	Sun-pt. shade
Crinum lilly	<i>Crinum</i> sp.	Sun
Crocsmia	<i>Crocsmia</i> sp.	Sun
Summer snowflake	<i>Leucojum aestivum</i>	Sun-pt. shade
Daffodils	<i>Narcissus</i> sp.	Sun-pt. shade

# SHRUBS

## Recommended for Coastal Southeast Landscapes



One of the best ways to add diversity and year-round interest to your yard is to plant **shrubs**. Coming in a myriad of deciduous and evergreen selections, shrubs work well with each other to create interesting, mixed border or single-specimen plantings.

### Evergreen Shrubs—2' to 4' Tall

Common Name	Botanical Name	Water Use Zone	Height X Spread	Cultivars	Exposure
Abelia	<i>Abelia x hybrid</i>	H-L	3x3'	Rose Creek Edward Goucher Kaleidoscope	Sun—Pt. shade
Dwarf aucuba	<i>Aucuba japonica</i>	L	4x3'	Nana	Part—full shade
Euonymous	<i>Euonymous fortune</i>	M, L	3x4'	Sunspot	Sun-pt. shade
Creeping gardenia	<i>Gardenia jasminoides</i>	H-L	3x4'	Radicans	Sun—pt. shade
Japanese holly	<i>Ilex crenata</i>	H-L	3x3'	Brass Buckle Green Luster	Sun—pt. shade
Holly 'Sallywag'	<i>Ilex x meserveae</i>	L	4x3'	Sallywag	Sun
Dwarf yaupon holly*	<i>Ilex vomitoria</i>	L	4x5'	Bordeaux Schillings Nana	Sun
Winter jasmine	<i>Jasminum nudiflorum</i>	H-L	4x4'		Sun—pt. shade
Chinese juniper	<i>Juniperus chinensis</i>	M, L	3x5'	Old Gold Gold Lace	Sun
Juniper	<i>Juniperus horizontalis</i>	L	1x6'	Andorra	Sun
Red cedar (juniper)*	<i>Juniperus virginiana</i>	L	4x3'	Grey Owl	Sun—pt. shade
Azaleas	<i>Rhododendron</i> hybrids	H, M	3x3'	Satsuki varieties 'Gumpo' varieites	Pt. shade
Dwarf arborvitae	<i>Thuja occidentalis</i>	H-L	4x3'	Rheingold Fire chief Mr. Bowling Ball	Sun
Adam's needle	<i>Yucca filamentosa</i>	L	3x3'	Color Guard Garland Gold Bright Edge	Sun

## Deciduous Shrubs—2' to 4' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Japanese barberry	<i>Berberis thunbergii</i>	H-L	3x4'	Crimson pygmy Sunjoy	Sun—pt. shade
New Jersey Tea*	<i>Ceanothus americanus</i>	M, L	3x4'		Sun
Sweet pepperbush*	<i>Clethra alnifolia</i>	H, M	3x5'	Sixteen candles White doves Hummingbird Rosea	Sun—pt. shade
Hearts-a-bustin*	<i>Euonymus americanus</i>	H, M	3x5'		Pt. shade— shade
Dwarf fothergilla*	<i>Fothergilla gardenia</i>	H, M	4x4'		Sun—pt. shade
Virginia sweetspire*	<i>Itea virginica</i>	H-L	4x4'	Little Henry Merlot	Sun—pt. shade
Japanese spirea	<i>Spirea X bumalda</i>	H-L	4x4'	Anthony Waterer Little Bonnie Sundrop Limemound Golden Sunrise Goldflame	Sun
Snowmound spirea	<i>Spirea nipponica</i>	H-L	5x5'	Snowmound	Sun

## Evergreen Shrubs—4' to 8' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height</b>	<b>Cultivars</b>	<b>Exposure</b>
Abelia	<i>Abelia x grandiflora</i>	H-L	6x5'		Sun—pt. shade
Japanese aucuba	<i>Aucuba japonica</i>	H, M	7x5'	Variegata Gold Dust	Shade
Japanese camellia	<i>Camellia japonica</i>	H,M	9x6'	Many available	Pt. shade— shade
Sasanqua camellia	<i>Camellia sasanqua</i>	H,M	9x6'	Many available	Pt. shade— shade
Dwarf Hinoki Cypress	<i>Chamaecyparis obtusa</i>	H-L	5x4'	Nana Gracilis	Sun—pt. shade
Fatsia	<i>Fatsia japonica</i>	H, M	7x7'		Pt. shade— shade
Pineapple guava	<i>Feijoa sellowiana</i>	H-L	8x8'		Sun
Gardenia	<i>Gardenia jasminoides</i>	H, M	6x6'	Many available	Pt. shade-shade
Chinese holly	<i>Ilex cornuta</i>	M, L	6x6'	Dwarf burford	Sun
Inkberry holly*	<i>Ilex glabra</i>	H-L	6x6'	Shamrock	Sun—pt. shade
Blue Holly	<i>Ilex x meserveae</i>	M, L	6x6'	China Girl	Sun—pt. shade
Chinese Juniper	<i>Juniperus chinensis</i>	L	5x7'	Sea green	Sun
Japanese privet	<i>Ligustrum japonicum</i>	M, L	5x5'	Recurvifolium East Bay	Sun—pt. shade

				Lake Tresca	
Lorapetulum; Chinese fringe-flower	<i>Lorapetulum chinense</i>	H-L	7x7'	Ruby Burgundy	Sun
Leatherleaf mahonia	<i>Mahonia bealei</i>	H-L	7x4'		Pt. shade—shade
Oleander	<i>Nerium oleander</i>	M, L	8x7'	Sister Agnes Luteum Plenum	Sun
Pittosporum	<i>Pittosporum tobira</i>	H-L	7x7'	Louisiana Compact Variegata	Sun—pt. shade
Needle palm	<i>Rhapidophyllum hystrix</i>	H-L	8x8'		Sun-pt. shade
Azaleas; Southern Indica varieties	<i>Rhododendron</i>	H, M	7x7'	Formosa G.G. Gerbing George Tabor	Pt. sun—pt. shade
Rosemary	<i>Rosmarinus officinalis</i>	L	5x5'		Sun
Dwarf palmetto*	<i>Sabal minor</i>	H-L	5x5'		Sun—pt. shade
Sandwaka viburnum	<i>Viburnum suspensum</i>	H-L	7x7'		Sun
Tinus viburnum	<i>Viburnum tinus</i>	H, M	6x6'	Eve Price Spring Bouquet Compactum	Sun—pt. shade

## Deciduous Shrubs—4' to 8' Tall

Common Name	Botanical Name	Water Use Zone	Height	Cultivars	Exposure
Chokeberry*	<i>Aronia arbutifolia</i>	H-L	7'x7'	Brilliant	Sun—pt. shade
Butterfly bush	<i>Buddleia davidii</i>	M, L	7x5'	Buzz Hot Raspberry Pink Delight Dartmoor Purple Prince Royal Red	Sun
American beautyberry*	<i>Callicarpa Americana</i>	M, L	5x5'	Atropurpurea	Sun—pt. shade
Sweetshrub; Carolina allspice*	<i>Calycanthus floridus</i>	H-L	7x7'		Sun—pt. shade
Clethra; sweet pepperbush*	<i>Clethra alnifolia</i>	H-L	7x4'	Ruby spice Chattanooga	Sun—pt. shade
Dwarf burning bush	<i>Euonymus alatus</i>	H-L	7x7'	Compactus	Sun
Bigleaf hydrangea	<i>Hydrangea macrophylla</i>	H, M	5x6'	All Summer Beauty Ayesha Nikko Blue	Pt. shade—shade
Oakleaf hydrangea*	<i>Hydrangea quercifolia</i>	H, M	7x7'	Alice	Pt. shade—shade
Virginia Sweetspire*	<i>Itea virginica</i>	H, M	6x6'	Henry's Garnet	Sun—pt. shade
Japanese kerria	<i>Kerria japonica</i>	H-L	5x5'		Pt. shade—shade
Vanhoutte spirea	<i>Spirea x vanhouttei</i>	H-L	7x9'		Sun

Possumhaw viburnum*	<i>Viburnum nudum</i>	H, M	7x7'	Winterthur	Sun—pt. shade
Weigela	<i>Weigela florida</i>	H, M	5x5'	Wine and Roses	Sun—lt. shade

## Evergreen Shrubs—Over 8' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height</b>	<b>Cultivars</b>	<b>Exposure</b>
Hedge bamboo	<i>Bambusa multiplex</i>	H-L	20x10'		Pt. shade
Pindo palm, jelly palm	<i>Butia capitata</i>	M, L	15x15'		Sun
Chinese holly	<i>Ilex cornuta</i>	M, L	15x12'	Burford Fineline Needlepoint	Sun—pt. shade
Yaupon holly*	<i>Ilex vomitoria</i>	L	15x10'		Sun
Nellie Stevens holly	<i>Ilex x Nellie R. Stevens</i>	L	25x15'		Sun
Anise tree*	<i>Illicium parviflorum</i>	H-L	10x8'		Sun—pt. shade
Chinese Juniper	<i>Juniperus chinensis</i>	L	20x5'	Spartan Hetzii Columnaris	Sun
Hollywood Juniper	<i>Juniperus chinensis</i>	L	25x15'	Kaizuka aka Torulosa	Sun
Loropetalum	<i>Loropetalum chinensis</i>	M, L	15x12'	Crimson Fire Ruby	Sun—lt. shade
Waxmyrtle*	<i>Myrica cerifera</i>	H-L	15x15'		Sun
Tea Olive	<i>Osmanthus fragrans;</i> <i>O. fortune</i>	H, M	15x15'		Sun—pt. shade
Chinese podocarpus	<i>Podocarpus macrophyllus</i> var. <i>maki</i>	H, M	15x6'		Sun—pt. shade
Cleyera	<i>Ternstroemia gymnanthera</i>	H, M	12x6'		Sun—shade
Aborvitae	<i>Thuja occidentalis</i>	M, L	15x5'	Emerald	Sun
Chindo viburnum	<i>Viburnum awabuki</i>	H-L	15x8'	Chindo	Sun—pt. shade

## Deciduous Shrubs—Over 8' Tall


<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height</b>	<b>Cultivars</b>	<b>Exposure</b>
Forythia	<i>Forsythia x intermedia</i>	M, L	12x12'	Lynwood gold	Sun—lt. shade
Rose of Sharon	<i>Hibiscus syriacus</i>	M, L	12x10'	Aphrodite Diana Helene Minerva	Sun
Winterberry*	<i>Ilex decidua</i>	H, L	10x10'	Winter Red	Sun—pt. shade
Spicebush*	<i>Lindera benzoin</i>	H, M	8x12'		Sun—pt. shade
Arrowwood viburnum*	<i>Viburnum dentatum</i>	H-L	10x10'	Chicago Luster Blue muffin Moonglow	Sun—pt. shade
Chinese snowball bush	<i>Viburnum macrocephalum</i>	H-L	15x15'		Sun—pt. shade



Doublefile Viburnum	<i>Viburnum plicatum x tomentosum</i>	H-L	10x10'	Shasta Mariesii	Sun—pt. shade
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# Trees

## Recommended for Coastal Southeast Landscapes

	<p>Trees come in all shapes and sizes and add structure and architectural interest to any coastal landscape. As with shrubs, trees can be deciduous or evergreen and flower at different times of the year. Make sure; however, that you know the <i>mature</i> size of the tree and if it will fit into your landscape.</p>
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## Evergreen trees—10-30' Tall

Common Name	Botanical Name	Water Use Zone	Height X Spread	Cultivars	Exposure
Loquat	<i>Eriobotrya japonica</i>	H-L	20x20'		Sun—lt. shade
Lusterleaf holly	<i>Ilex latifolia</i>	H-L	25x20'		Sun—pt. shade
American holly*	<i>Ilex opaca</i>	M, L	30x20'		Sun
Yaupon holly*	<i>Ilex vomitoria</i>	M, L	20x15'	Hoskin's Shadow Kathy Ann Katherine	Sun—lt. shade
Topel holly	<i>Ilex x attenuata</i>	M, L	30x15'	Savannah Foster's #2 East Palatka Greenleaf	Sun
Little gem Magnolia*	<i>Magnolia grandiflora</i>	M, L	25x15'	Little Gem	Sun
Sweetbay*	<i>Magnolia virginiana</i>	H, M	30-20'		Sun—pt. shade
Wax myrtle*	<i>Myrica cerifera</i>	H-L	20x20'		Sun—lt. shade
Carolina cherry laurel*	<i>Prunus caroliniana</i>	H-L	30x20'		Sun—lt. shade
Anise tree*	<i>Illicium parviflorum</i>	H-L	15x15'		Sun—pt. shade
Palmetto palm	<i>Sabal palmetto</i>	H-L	30x15'		Sun—pt. shade

## Deciduous Trees—10' to 30' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height (in)</b>	<b>Cultivars</b>	<b>Exposure</b>
Southern sugar maple*	<i>Acer barbatum</i>	H-L	25x20'		Sun—lt. shade
Trident maple	<i>Acer buergerianum</i>	H-L	25x15'		Sun
Japanese maple	<i>Acer palmatum</i>	H, M	25x20'	Redleaf Bloodgood Sango Kaku Burgundy lace	Sun—pt. shade
Red buckeye*	<i>Aesculus pavia</i>	H, M	20x12'		Sun—pt. shade
Serviceberry*	<i>Amelanchier arborea</i>	H, M	25x15'	Autumn Brilliance	Sun—pt. shade
Pawpaw*	<i>Asimina triloba</i>	H, M	20x15'		Sun—pt. shade
Ironwood*	<i>Carpinus caroliniana</i>	H, M	30x25'		Sun—pt. shade
Redbud*	<i>Cercis canadensis</i>	H-L	30x25'	Forest pansy Royal white Rising Sun Silver cloud	Sun—pt. shade
Chinese fringetree	<i>Chionanthus retusus</i>	H-L	25x25'		Sun—pt. shade
Fringe tree*	<i>Chionanthus virginicus</i>	H, M	20x20'		Sun—pt. shade
Flowering dogwood*	<i>Cornus florida</i>	H-L	25x20'	Eternal Dogwood Cloud 9 Cherokee Princess	Sun—pt. shade
Possumhaw*	<i>Ilex decidua</i>	H, M	20x15'	Warren's Red Council Fire	Sun—lt. shade
Crape myrtle	<i>Lagerstroemia</i> x hybrids	M, L	30x25'	Many	Sun
Saucer magnolia*	<i>Magnolia soulangiana</i>	H-L	30x25'		Sun—lt. shade
Japanese snowbell	<i>Styrax japonicus</i>	H, M	30x30'	Emerald Pagoda Pink Chimes	Sun—pt. shade
Blackhaw viburnum*	<i>Viburnum prunifolium</i>	H, M	20x15'		Sun—pt. shade
Chastetree	<i>Vitex agnus-castus</i>	M, L	20x15'	Delta Blues Petty Blue Danica Pink Shoal Creek	Sun

## Evergreen Trees—Over 30' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height</b>	<b>Cultivars</b>	<b>Exposure</b>
Deodar cedar	<i>Cedrus deodora</i>	H-L	70x70'		Sun

Japanese cedar	<i>Cryptomeria japonica</i>	H-L	60x30'	Yoshino Radicans	Sun
Eastern red cedar*	<i>Juniperus virginiana</i>	M, L	50x20'	Brodie Burkii Hillspire	Sun
Southern magnolia*	<i>Magnolia grandiflora</i>	H-L	80x50'	Alta Carolina Compacta Kay Parris Little Gem	Sun—pt. shade
Longleaf pine*	<i>Pinus palustris</i>	H-L	60x20'		Sun
Laurel oak*	<i>Quercus hemisphaerica</i>	H-L	60x40'	Darlington	Sun
Live oak*	<i>Quercus virginiana</i>	H-L	80x80'		Sun

## Deciduous Trees—Over' Tall

<i>Common Name</i>	<i>Botanical Name</i>	<b>Water Use Zone</b>	<b>Height</b>	<b>Cultivars</b>	<b>Exposure</b>
Red maple*	<i>Acer rubrum</i>	H, M	50x35'	October Glory Red Sunset	Sun—lt. shade
River birch*	<i>Betula nigra</i>	H, M	70x60'	Heritage Dura Heat	Sun
American beech*	<i>Fagus grandifolia</i>	H-L	70x60'		Sun
Green ash*	<i>Fraxinus pennsylvanica</i>	H-L	60x50'		Sun
Ginkgo	<i>Ginkgo biloba</i>	H-L	70x40'	Autumn gold	Sun
Dawn redwood*	<i>Metasequoia glyptostroboides</i>	H-L	100x25'		Sun
Black gum*	<i>Nyssa sylvatica</i>	H-L	50x30'		Sun
Water oak*	<i>Quercus nigra</i>	H-L	80-60'		Sun
Nutall oak*	<i>Quercus nutallii</i>	H-L	60x50'		Sun
Willow oak*	<i>Quercus phellos</i>	H-L	100x50'		Sun
Bald cypress*	<i>Taxodium distichum</i>	H-L	70x30'		Sun
American elm*	<i>Ulmus Americana</i>	H-L	70x35'	Princeton	Sun
Lacebark elm	<i>Ulmus parvifolia</i>	H-L	50x40'	Bosque Ailee Athena	Sun

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## Learn More with these Online Resources!

NC Cooperative Extension Plant Database  
[plants.ces.ncsu.edu/](http://plants.ces.ncsu.edu/)

NC Cooperative Extension Gardening Portal  
for all your garden, lawn and landscape needs:  
[gardening.ces.ncsu.edu/](http://gardening.ces.ncsu.edu/)

### VISIT US IN BRUNSWICK COUNTY!

Brunswick County Cooperative Extension  
& Botanical Garden

Brunswick County Government Complex  
25 Referendum Drive  
Bolivia, NC 28422  
(910) 253-2610

[brunswick.ces.ncsu.edu](http://brunswick.ces.ncsu.edu)

Office Hours: 8:30 a.m. - 5:00 p.m. Monday - Friday



## Brunswick Botanical Garden & Information Hotline

To see plants that grow in Coastal Southeast NC, visit the **Brunswick Botanical Garden** behind the Brunswick County Cooperative Extension (BCCES) Offices. It is free and open daylight hours, 7 days a week. The garden and associated programs are managed by CES horticultural staff in conjunction with trained Extension Master Gardener Volunteers.

For questions about plant selection and maintenance, lawn care, vegetable gardening, plant disease and pest problems, visit or call the BCCES **Information Hotline**. Staffed by trained Extension Master Gardener Volunteers under the supervision of Extension Horticulture staff, the Hotline is open from 9:00 a.m. until noon and 1:00 p.m. to 4:00 p.m. when offices are open.

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