

Roadside Plants to Avoid / Trees with Limitations on R/W

The following plants are not recommended for planting on SCDOT rights-of-way because they are recognized as either noxious, potentially invasive or have features not suitable for roadsides (e. g., weak wood, invasive roots, messy fruit, rapid decline or low limbs) or are not suited for South Carolina's climate.

3/3/2010

Botanical Name	Common Name	Reference
Acer rubrum	Red Maple	8-there may be better trees available
Acer saccharinum	Silver Maple	8-brittle wood, rapid decline
Aegilops cylindrical	Jointed Goatgrass	3,4
Aeginetia adenophora	Croftonweed	1
Aeginetia species		1
Agrostemma githago L.	Corn Cockle	1
Ailanthus altissima	Tree-of-Heaven	2, 7
Albizia julibrissin	Mimosa	2, 7
Alecta species		1
Alhagi pseudalhagi	Camelthorn	3
Alliaria petiolata	Garlic Mustard	2
Alternanthera philoxeroides	Alligatorweed, Pigweed	1, 6
Alternanthera sessilis	Sessile Joyweed	1
Artemisia absinthius	Absinth Wormwood	3
Arundo donax	Giant Reed	2, 3, 7
Asphodelus fistulosus L.	Onionweed	1,3
Avena fatua	Wild Oats	3
Avena sterilis L.	Sterile Oats	1
Azolla pinnata R.	Pinnate Mosquito Fern	1
Borreria alata	Broadleaf Buttonweed	1
Brassica kaber	Wild Mustard	3
Brassica nigra	Black Mustard	3
Bromis inermis	Smooth Broome	3
Bromus tectorum	Cheat Grass	3,4
Calonyction muricatum	Purple Moonflower	1
Campanula rapunculoides	Creeping Bellflower	1
Cardiospermum halicacabum	Balloonvine	1
Carduus ascanthoides	Plumeless Thistle	3
Carduus nutans	Musk Thistle	3, 7
Carpobrotus edulis	Highway Iceplant	3
Carthamus oxycantha	Carthamus Cauox	1
Cayratia japonica	Bushkiller, Sorrel Vine	9
Celastrus orbiculatus	Oriental Bittersweet	2
Centaurea repens L.	Russian Knapweed	1
Centaurea cyanus	Cornflower/Bachelor's Button	3
Centaurea diffusa	Diffuse Knapweed	3
Centaurea maculosa	Spotted Knapweed	3
Centaurea pratensis	Meadow Knapweed	3
Centaurea repens	Russian Knapweed	3
Centaurea solstitialis	Yellow Starthistle	3,4
Centaurea virgata	Squarrose Knapweed	3,4
Chichorium intybus	Chichory	3
Chrysanthemum leucanthemum	Oxeye Daisy	3
Chrysopogon aciculatus	Pilipiliula	1
Cicuta maculata	Water Hemlock	3
Cirsium arvense	Canada Thistle	3
Cirsium vulgare	Bull Thistle	3, 7
Citrus reticulata var. unshu	Unshu Orange	1
Commelina benghalensis	Tropical Spiderwort	1
Cornus florida	Flowering Dogwood	8-a
Coronilla varia	Crownvetch	3
Cortaderia jubata	Pampas Grass	3
Crotalaria spectabilis	Showy Crotalaria, Rattlepod	8-noxious weed
Crupina vulgaris	Common Crupina	3
Crupina vulgaris Cass.	Common Crupina	1
Cuscuta species	Dodders	1
Cyperus rotundus	Purple Nutsedge	4
Cynara cardunculus	Cardoon	3
Cynoglossum officinale	Hound's Tongue	3
Cyperus esculentus	Yellow Nutsedge	3
Cytisus scoparius	Scotch Broom	3
Daucus carota	Queen Anne's Lace	3
Digitalis purpurea	Foxglove	3
Digitaria abyssinica	African Couchgrass, Fingergrass	1
Digitaria velutina	Velvet Fingergrass	1
Dioscorea bulbifera	Air Yam	2

<i>Dipsacus fullonum</i>	Common Teasel	3
<i>Drymaria arenarioides</i>	Alfombrilla	1
<i>Egeria densa</i> Planch.	Brazilian Elodea	1, 6
<i>Eichornia azurea</i>	Anchored/Rooted Waterhyacinth	1
<i>Eichornia crassipes</i>	Waterhyacinth	1
<i>Elaeagnus angustifolia</i>	Russian Olive	2, 7
<i>Elaeagnus pungens</i>	Silverthorn, Thorny Olive	2, 7
<i>Elaeagnus umbellata</i>	Autumn Olive	2, 7
<i>Emex australis</i>	Three-cornered Jack	1
<i>Emex spinosa</i>	Sphinx Emex	1
<i>Erodium cicutarium</i>	Restem Filaree	3
<i>Euonymus alata</i>	Winged Burning Bush	2
<i>Euonymus fortunei</i>	Winter Creeper	2
<i>Euphorbia cyparissias</i>	Cypress Spurge	3
<i>Euphorbia esula</i>	Leafy Spurge	3
<i>Euphorbia myrsinites</i>	Myrtle Spurge	3
<i>Euphorbia prunifolia</i>	Painted Euphorbia	1
<i>Galega officinalis</i> L.	Goatsrue	1
<i>Ginkgo biloba</i>	Ginkgo, Maidenhair Tree	8-b; use in large planting areas
<i>Gleditsia triacanthos inermis</i>	Thornless Honeylocust	8-short-lived in SC
<i>Gypsophila paniculata</i>	Babysbreath	3
<i>Halogeton glomeratus</i>	Halogeton	3
<i>Hedera helix</i>	English Ivy	2, 4, 7
<i>Heilanthus ciliaris</i> D.C.	Texas Blueweed	1
<i>Heracleum mantegazzianum</i>	Giant Hogweed	1,3,4
<i>Hesperis matronalis</i>	Dame's Rocket	3
<i>Hieracium aurantiacum</i>	Orange Hawkweed	3
<i>Hordeum jubatum</i>	Foxtail Barley	3
<i>Hydrilla verticillata</i>	Hydrilla	1, 4, 6
<i>Hygrophila polysperma</i>	Indian Hygrophillia, Miramar	1, 6
<i>Hypericum perforatum</i>	St. John's Wort	3
<i>Ilex species</i>	Tree-type Hollies	8.b
<i>Imperata brasiliensis</i>	Brazilian Satintail	1
<i>Imperata cylindrical</i>	Cogongrass	1,2,3
<i>Ipomoea aquatica</i>	Water Spinach, Swamp Morningglory	1
<i>Ipomoea triloba</i>	Threeloke Morningglory	1
<i>Isatis tintoria</i>	Dyer's Woad	3
<i>Ischaemum rugosum</i>	Soramollagrass	1
<i>Kochia scoparia</i>	Kochia	3
<i>Lachnellula willkommii</i>	European Larch Canker	1
<i>Lagarosiphon major</i>	Oxygen Weed	1
<i>Lantana species</i>	Lantana	3
<i>Leptochloa chinensis</i>	Chinese Sprangletop	1
<i>Lespedeza bicolor</i>	Shrubby/Bicolor Lespedeza	3, 7
<i>Lespedeza cuneata</i>	Sericea Lespedeza	2,3
<i>Ligustrum japonica</i>	Japanese Privet	2, 7
<i>Ligustrum sinensis</i>	Chinese/European Privet	2, 7
<i>Lillex europaeus</i>	Gorse	3
<i>Limnophila sessiliflora</i>	Limnophila, Ambulia	1, 6
<i>Linaria genistifolia</i>	Dalmation Toadflax	3,4
<i>Linaria vulgaris</i>	Yellow Toadflax	3
<i>Liquidamber styraciflua</i>	Sweet-gum	8-b; use in large areas only
<i>Liriodendron tulipifera</i>	Tulip Poplar	8-use in large areas only
<i>Lolium temulentum</i>	Darnel	1
<i>Lonicera fragrantissima</i>	Sweet Breath-of-Spring	2
<i>Lonicera japonica</i>	Japanese Honeysuckle	2, 7
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	3
<i>Ludwigia uruguayensis</i>	Uruguay Primrose, Water Primrose	1, 6
<i>Lycium ferocissimum</i>	African Boxthorn	1
<i>Lygodesmia juncea</i>	Rush Skeletonweed	3
<i>Lygodium japonicum</i>	Japanese Climbing Fern	2, 7
<i>Lythrum salicaria</i>	Purple Loosestrife	3, 4, 6
<i>Magnolia grandiflora</i>	Southern Magnolia	8.c-need large planting areas
<i>Mahonia bealei</i>	Leatherleaf Mahonia	7
<i>Mahonia nervosa</i>	Cascade Oregon Grape	7
<i>Melaleuca quinquenervia</i>	Paperbark Tree	1,4
<i>Melastoma malabathricum</i> L.	Banks Melastoma	1
<i>Melia azedarach</i>	Chinaberry Tree	2, 7
<i>Miconia calvescens</i>	Miconia	4
<i>Microstegium vimineum</i>	Japanese Siltgrass, Nepales Browntop	2, 3, 7
<i>Mikania cordata</i>	African Mile-a-Minute	1
<i>Mikania micrantha</i>	Mile-a-minute	1
<i>Milium vernale</i>	Milium	3
<i>Mimosa invisa</i>	Giant Sensitiveplant	1
<i>Mimosa pigra</i>	Catclaw Mimosa	1

Miscanthus species	Miscanthus Grass	2, 3, 7
Monochoria hastate	Arrowleaved Monochoria	1
Monochoria vaginalis	Monochoria	1
Murdannia keisak	Wart Removing Herb	7
Myriophyllum spicatum	Eurasian Watermilfoil	4, 6
Najas minor	Brittleleaf Naid	1, 6
Nandina domestica	Nandina	2, 7
Nardus stricta	Matgrass	3
Nasella trichotoma	Serrated Tussock	3
Onicus benedictus L.	Blessed Thistle	1
Onopordum acanthium	Scotch Thistle	3
Opuntia aurantiaca	Jointed Prickly Pear	1
Orobanche species	Broomrapes	1
Oryza rufipogon/punctata/rufipogon	Wild Red Rice	1,3
Ottelia alismoides	Duck-lettuce	1
Panicum milaceum	Wild Proso Millet	3
Paspalum notatum	Bahia Grass	7
Paspalum scrobiculatum L.	Kodomillet	1
Paulownia tomentosa	Paulownia	2, 7
Pennisetum ciliare	Buffelgrass	3
Pennisetum clandestinum	Kikuyu Grass	1,3
Pennisetum macrourum	African Feathergrass	1,3
Pennisetum pedicellatum	Kyasumagrass	1
Pennisetum polystachion	Missiongrass	1
Pennisetum setaceum	Fountain Grass	3
Phalaris arundinacea	Reed Canary Grass	3
Phragmites australis	Giant Phragmites	3, 6, 7
Phragmites australia	Common Reed	1
Phyllostachys aurea	Golden Bamboo	2, 7
Pinus species	Pine	8.d
Pistia stratiotes	Water Lettuce	6
Platanus occidentalis	Sycamore	8-b;use in large planting areas only
Polygonum perfoliatum	Mile-a-minute	4
Portulacaria species	Purslane, Elephant plant/foot	FHWA suggeston
Prosopis alapataco	Alapntaco	1
Prosopis species	Algarobilla	1
Pueraria montana lobata	Kudzu	2, 4, 7
Pyrus calleryana 'Bradford'	Flowering Bradford Pear	8-poor branch structure
Quercus palustris	Pin Oak	8-c,e-low limbs
Quercus virginiana	Live Oak	8-c,e-low limbs, roots
Reynoutria japonica	Japanese Knotweed	7
Rosa multiflora	Multiflora Rose	2, 7
Rottboellia	Itchgrass, Corngrass	1
Rubus fruticosus	Wild Raspberry	1
Rubus mollucanus	Molluco Raspberry	1
Sabal palmetto	Cabbage Palm	8-for coastal & midlands area only
Saccharum spontaneum	Wild Sugarcane	1
Sagittaria sagittifolia	Arrohead	1
Salsola iberica	Russian Thistle	3
Salsola vermiculata	Wormleaf Salsola	1
Salvinia species	Giant Salvinia	1, 6
Senecio jacobaea	Tansy Ragwort	3
Setaria pallide-fusca	Cattailgrass	1
Solanum elaeagnifolium	Silver Nightshade	3
Solanum rostratum	Buffalobur	3
Solanum torvum	Turkeyberry	1
Solanum viarum	Tropical Soda Apple	1,2,4,7
Sonchus arvensis	Perennial Sowthistle	3
Sorghum halapense	Johnsongrass	3,4
Sparganium erectum	Branched Burreed	1
Striga species	Witchweed	1
Syrian beancapter	Zygophyllum Fabago	3
Taeniatherum caput-medua	Medusahead	3
Tamarix chinensis	Saltcedar	4
Tanacetum vulgare	Common Tansy	3
Taraxacum officinale	Dandelion	3
Trapa natans	Water Chestnut	1
Triadica sebifera	Popcorn Tree, Tallowtree	2, 7
Tribulia terrestris	Puncturevine	3
Tridax procumbens	Tridax Daisy	1
Verbascum thapsus	Common Mullein	3
Vinca major	Vinca, Periwinkle	2
Vinca minor	Vinca, Periwinkle	2,3
Vitex roundifolia	Beach Vitex	5, 7
Wisteria floribunda	Asian Wisteria	2, 7
Wisteria sinensis	Chinese Wisteria	2, 7

References

- 1-SC Noxious Pest Legislation, Regulation Document 1889, State Crop Pest Commission.
Chapter 27, Statutory Authority: 1976 Code Section 46-9-40, Article 10. Update May 26, 2000.
- 2-Nonnative Invasive Plants of Southern Forests A Field Guide for Identification and Control.
James H. Miller, USDA Forest Service Southern Research Station, Asheville, NC, May 2003.
- 3-Common Roadside Invasives, A Roadside Field Guide to Showy Herbaceous Weeds.
US Department of Transportation, Federal Highway Administration. Pub. No. FHWA-EP-02-003.
- 4-Invasive Plants-Changing the Landscape of America FACTBOOK, Federal Interagency
Committee for the Management of Noxious and Exotic Weeds. 1998, Washington, DC.
- 5- South Carolina Beach Vitex Task Force.
- 6-Illegal Aquatic Plants of South Carolina. Aquatic Nuisance Species Program.
South Carolina Department of Natural Resources.
- 7-Invasive Plant Pest Species of South Carolina
Clemson Extension
8. Trees with Limitations on Right-of-Way. All tree comments provided by SCDOT
8.a---not heat tolerant; do not use where surrounded by pavement
8.b---do not use in medians or as street trees; use where berries can be tolerated
8.c---use in large planting areas where low limbs can be kept
8.d---limited use on R/W; plant at least 40 feet from edge of pavement
8.e---use where large rooting area exists; tree has low limbs that can interfere with vehicles
- 9-Class B Noxious Weed List for North Carolina