



Native Plants for Mississippi Coastline Restoration

Poster Guide



United States Department of Agriculture
Natural Resource Conservation Service
Jamie L. Whitten Plant Materials Center

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Plant Materials Center
Coffeeville, Mississippi

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Introduction:

The aftermath of Hurricane Katrina has presented the Jamie L. Whitten Plant Materials Center with an opportunity to promote the use of native plants for coastline restoration. This guide and corresponding poster was created to assist NRCS conservationists in identifying, locating, and propagating native plant species for the Mississippi coast.

Native plants are well adapted to local environment conditions and provide a natural defense against future storms and tidal surges that are common to the Gulf Coast. They maintain and improve wildlife habitat, reduce soil erosion, and often require less maintenance than many non-native species. These characteristics save time and money while providing an eco-friendly solution to reach NRCS land management goals.

Thirty native species have been selected and eight of them have a particular cultivar that has been studied and released by NRCS Plant Material Centers located across the Southeast. The poster will give you a visual reference and general information about growth habitat, salinity, seed/vegetative spread rate, and restorative attributes. The guide will provide more information to include: links to the PLANTS Database & NRCS Plant Guides, Fact Sheets, and release brochures that are currently available. In addition, an online vendor has been provided for each species with the exception of the NRCS cultivars and plants that are propagated locally.

Disclaimer:

Information provided in this publication constitutes no endorsement or guarantee by the USDA or NRCS of any plant material, supply, equipment or cost listed and the mention of any vendor does not indicate endorsement by NRCS, nor does NRCS guarantee availability or quality of seeds and plants produced by any vendor listed.

Acknowledgements:

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USDA-NRCS

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Native Grasses

Common Name	Scientific Name	NRCS Cultivar	NRCS PLANTS Database Link	NRCS Plant Guide, Fact Sheet, or Brochure Link	Vendor Information & Links
Bitter Panicgrass	<i>Panicum amarum</i>	'Fourchon' & 'Southpa'	http://plants.usda.gov/java/profile?symbol=PAAM2	http://plants.usda.gov/plantguide/pdf/pg_paam2.pdf	'Fourchon' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/ 'Southpa' - Please contact Brooksville PMC for commercial growers: http://plant-materials.nrcs.usda.gov/flpmc/
Needlegrass Rush	<i>Juncus roemerianus</i>	None	http://plants.usda.gov/java/profile?symbol=JURO	None	Aquatic Plants of Florida: http://www.aquaticplantsofflorida.com
Marshay Cordgrass	<i>Spartina patens</i>	'Gulf Coast' & 'Flageo'	http://plants.usda.gov/java/profile?symbol=SPPA	http://plant-materials.nrcs.usda.gov/coastalareas.html	'Gulf Coast' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/ 'Flageo' - Please contact Jimmy Carter PMC for commercial growers : http://plant-materials.nrcs.usda.gov/gapmc/
Saltgrass	<i>Distichlis spicata</i>	None	http://plants.usda.gov/java/profile?symbol=DISP	http://plants.usda.gov/plantguide/pdf/pg_disp.pdf	Earthbalance http://www.earthbalance.com
Seashore Paspalum	<i>Paspalum vaginatum</i>	'Brazoria'	http://plants.usda.gov/java/profile?symbol=PAVA	http://www.plant-materials.nrcs.usda.gov/coastalareas.html	'Brazoria' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/
Gulf-Coast Spikerush	<i>Eleocharis cellulosa</i>	None	http://plants.usda.gov/java/profile?symbol=ELCE	http://plant-materials.nrcs.usda.gov/pubs/stpmcfs0751.pdf	Earthbalance http://www.earthbalance.com
Sea Oats	<i>Uniola paniculata</i>	'Caminada'	http://plants.usda.gov/java/profile?symbol=UNPA	http://www.plant-materials.nrcs.usda.gov/pubs/lapmcbrunpacami.pdf	'Caminada' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/
Seashore Dropseed	<i>Sporobolus virginicus</i>	None	http://plants.usda.gov/java/profile?symbol=SPVI3	http://plants.usda.gov/factsheet/pdf/fs_spvi3.pdf	Aquatic Plants of Florida: http://www.aquaticplantsofflorida.com
Smooth Cordgrass	<i>Spartina alterniflora</i>	'Vermilion'	http://plants.usda.gov/java/profile?symbol=SPAL	http://www.plant-materials.nrcs.usda.gov/pubs/lapmcbrspalverm.pdf	'Vermilion' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/
Gulf Bluestem	<i>Schizachyrium maritimum</i>	'Timbalier'	http://plants.usda.gov/java/profile?symbol=SCMA3	http://plants.usda.gov/factsheet/pdf/fs_scma3.pdf	'Timbalier' - Please contact Golden Meadows PMC for commercial growers: http://plant-materials.nrcs.usda.gov/lapmc/

Native Herbs/Forbs

Common Name	Scientific Name	NRCS Cultivar	NRCS PLANTS Database Link	NRCS Plant Guide, Fact Sheet, or Brochure Link	Vendor Information & Links
Beach Sunflower	<i>Helianthus debilis</i>	'Flora Sun'	http://plants.usda.gov/java/profile?symbol=HEDED	http://www.plant-materials.nrcs.usda.gov/pubs/flpmcbrheded.pdf	'Flora Sun'- Please contact Brooksville PMC for commerical growers: http://plant-materials.nrcs.usda.gov/flpmc
Blanket Flower	<i>Gaillardia pulchella</i>	None	http://plants.usda.gov/java/profile?symbol=GAPU	None	Florida Native Plants: http://www.floridanativeplants.com/nurse rv.shtml
Partridge Pea	<i>Chamaecrista fasciculata</i>	Lark Selection	http://plants.usda.gov/java/profile?symbol=CHFA2	http://www.plant-materials.nrcs.usda.gov/pubs/mspmcpgchfa2lark.pdf	Specialty Seed: http://www.specialtyseed.com
Seapurslane	<i>Sesuvium portulacastrum</i>	None	http://plants.usda.gov/java/profile?symbol=SEPO2	None	Aquatic Plants of Florida: http://www.aquaticplantsofflorida.com
Bayhops	<i>Ipomoea pes-caprae</i>	None	http://plants.usda.gov/java/profile?symbol=IPPE	None	Wilcox Nursery http://www.wilcoxnursery.com
Narrowleaf Evening Primrose	<i>Oenothera fruticosa</i>	None	http://plants.usda.gov/java/profile?symbol=OEFR	None	Native Gardens: http://www.native-gardens.com
American Searocket	<i>Cakile edentula</i>	None	http://plants.usda.gov/java/profile?symbol=CAED	None	Native habitat. Local Propagation
Camphorweed	<i>Heterotheca subaxillaris</i>	None	http://plants.usda.gov/java/profile?symbol=HESU3	None	Sparkleberry Springs https://st12.startlogic.com/~sparkleb/cgi-bin/ecommerce/ac/agora.cgi
Trailing Wildbean	<i>Strophostyles helvola</i>	None	http://plants.usda.gov/java/profile?symbol=STHE9	http://plants.usda.gov/plantguide/pdf/cs_sthe4.pdf	Native habitat. Local Propagation
Seaside Goldenrod	<i>Solidago sempervirens</i>	None	http://plants.usda.gov/java/profile?symbol=SOSE	None	Wilcox Nursery http://www.wilcoxnursery.com

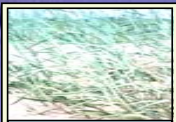
Native Trees, Shrubs, & Subshrubs

Common Name	Scientific Name	NRCS Cultivar	NRCS PLANTS Database Link	NRCS Plant Guide, Fact Sheet, or Brochure Links	Vendor Information & Links
Eastern Baccharis	<i>Baccharis halimifolia</i>	None	http://plants.usda.gov/java/profile?symbol=BAHA	http://www.plant-materials.nrcs.usda.gov/coastalareas.html	The Natives: http://www.thenatives.net/
Sand Live Oak	<i>Quercus geminata</i>	None	http://plants.usda.gov/java/profile?symbol=QUGE2	None	NWN Nursery: http://www.fosterfolly.com
Sea Ox-eye Daisy	<i>Borrchia frutescens</i>	None	http://plants.usda.gov/java/profile?symbol=BOFR	None	Wilcox Nursery http://www.wilcoxnursery.com
Sweetbay Magnolia	<i>Magnolia virginiana</i>	None	http://plants.usda.gov/java/profile?symbol=MAVI2	None	Florida Native Plants: http://www.floridanativeplants.com/nursery.shtml
Salt Heliotrope	<i>Heliotropium curassavicum</i>	None	http://plants.usda.gov/java/profile?symbol=HECU3	None	Florida Friendly Plants: http://www.floridafriendlyplants.com
Yaupon Holly	<i>Ilex vomitoria</i>	None	http://plants.usda.gov/java/profile?symbol=ILVO	http://plants.usda.gov/plantguide/pdf/cs_ilvo.pdf	Florida Native Plants: http://www.floridanativeplants.com/nursery.shtml
Saw Palmetto	<i>Serenoa repens</i>	None	http://plants.usda.gov/java/profile?symbol=SERE2	None	NWN Nursery: http://www.fosterfolly.com
Jesuit's Bark	<i>Iva frutescens</i>	None	http://plants.usda.gov/java/profile?symbol=IVFR	http://plants.usda.gov/factsheet/pdf/fs_ivfr.pdf	Aquatic Plants of Florida: http://www.aquaticplantsofflorida.com
Small Wax Myrtle	<i>Morella cerifera</i>	None	http://plants.usda.gov/java/profile?symbol=MOCE2	None	The Natives: http://www.thenatives.net/
Slash Pine	<i>Pinus elliottii</i>	None	http://plants.usda.gov/java/profile?symbol=PIEL	http://plants.usda.gov/plantguide/pdf/pg_piel.pdf	Aquatic Plants of Florida: http://www.aquaticplantsofflorida.com

For a Complete list of vendors see the Seed and Plant Vendors Guide at

<http://www.ms.nrcs.usda.gov/technical/2006SeedandPlanVendors.pdf>

Native Plants for Mississippi Coastline Restoration



Bitter Panicgrass
'Fourchon' & 'Southpa'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: Rapid

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Needlegrass Rush

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Rapid
Vegetative Spread Rate: None

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Marshay Cordgrass
'Gulf Coast' & 'Flageo'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: None
Vegetative Spread Rate: Rapid

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Saltgrass

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: Mod

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Seashore Paspalum
'Brazoria'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: None
Vegetative Spread Rate: Rapid

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Gulf-Coast Spikerush

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: Slow

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Sea Oats
'Caminada'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: Medium
Seed Spread Rate: Slow
Vegetative Spread Rate: Mod

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Seashore Dropseed

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: Mod

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Smooth Cordgrass
'Vermilion'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: None
Vegetative Spread Rate: Rapid

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Gulf Bluestem
'Timbalier'

Growth Habitat: Grass
Life Cycle: Perennial
Salinity: Low
Seed Spread Rate: Slow
Vegetative Spread Rate: Mod

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Beach Sunflower
'Flora Sun'

Growth Habitat: Forb/Herb
Life Cycle: Perennial/Annual
Salinity: Medium
Seed Spread Rate: Slow
Vegetative Spread Rate: Rapid

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Blanket Flower

Growth Habitat: Forb/Herb
Life Cycle: Perennial/Annual
Salinity: High
Seed Spread Rate: Rapid
Vegetative Spread Rate: None

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Partridge Pea
Lark Selection

Growth Habitat: Forb/Herb
Life Cycle: Annual
Salinity: Low
Seed Spread Rate: Rapid
Vegetative Spread Rate: None

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Seapurslane

Growth Habitat: Forb/Herb
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: Mod

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Bayhops

Growth Habitat: Forb/Herb
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: Mod

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Narrowleaf Evening Primrose

Growth Habitat: Forb/Herb
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: None

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American Searocket

Growth Habitat: Forb/Herb
Life Cycle: Annual/Perennial
Salinity: Moderate
Seed Spread Rate: Rapid
Vegetative Spread Rate: Slow

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Camphorweed

Growth Habitat: Forb/Herb
Life Cycle: Annual
Salinity: Low
Seed Spread Rate: Medium
Vegetative Spread Rate: None

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Trailing Wildbean

Growth Habitat: Forb/Herb
Life Cycle: Annual
Salinity: Low
Seed Spread Rate: Rapid
Vegetative Spread Rate: Mod

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Seaside Goldenrod

Growth Habitat: Forb/Herb
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: Slow

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Eastern Baccharis

Growth Habitat: Shrub
Life Cycle: Perennial
Salinity: Medium
Seed Spread Rate: Slow
Vegetative Spread Rate: None

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Sand Live Oak

Growth Habitat: Tree
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Slow
Vegetative Spread Rate: None

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Sea Ox-eye Daisy

Growth Habitat: Subshrub
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: Mod

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Sweetbay Magnolia

Growth Habitat: Tree
Life Cycle: Perennial
Salinity: None
Seed Spread Rate: Slow
Vegetative Spread Rate: None

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Salt Heliotrope

Growth Habitat: Subshrub
Life Cycle: Annual/Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: Slow

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Yaupon Holly

Growth Habitat: Shrub
Life Cycle: Perennial
Salinity: Medium
Seed Spread Rate: Slow
Vegetative Spread Rate: None

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Saw Palmetto

Growth Habitat: Shrub
Life Cycle: Perennial
Salinity: None
Seed Spread Rate: Slow
Vegetative Spread Rate: Mod

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Jesuit's Bark

Growth Habitat: Subshrub
Life Cycle: Perennial
Salinity: High
Seed Spread Rate: Medium
Vegetative Spread Rate: None

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Small Wax Myrtle

Growth Habitat: Shrub
Life Cycle: Perennial
Salinity: Medium
Seed Spread Rate: Moderate
Vegetative Spread Rate: Slow

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Slash Pine

Growth Habitat: Tree
Life Cycle: Perennial
Salinity: None
Seed Spread Rate: Slow
Vegetative Spread Rate: None

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☑️ = Grasses ☐ = Herbs & Forbs ☐ = Trees, Shrubs & Subshrubs

🌊 = Beach/Shoreline Stabilizer 📄 = NRCS Plant Guide, Fact Sheet, or Brochure available.

💧 = Enhances Water Quality

🐦 = Wildlife Enhancement

🎨 = Aesthetics

Please refer to the Poster Guide for more information.

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