United States Department of Agriculture

Natural Resources Conservation Service

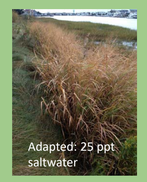
USDA-NRCS
Cape May Plant Materials Center

Cape May Plant Materials Center Staff:

- Christopher Miller, Manager
- Scott Snell, Natural Resources Specialist
- Michael Yacovelli, Biological Science Technician

Developing Coastal Grassland Technologies for Ecosystem Restoration in a Changing Climate and Landscape

Testing various strategies to adapt and/or mitigate for saltwater inundation on agricultural land in the Mid-Atlantic region.



High Tide Germplasm switchgrass

What about other species ?

Screening tidal shoreline species for salinity tolerances.

Use of native plants to inhibit the spread of invasive plant species.

control

sugarcane plumegrass (*Saccharum giganteum*)

crimsoneyed rosemallow (*Hibiscus Moscheutos*)

Southampton Germplasm prairie cordgrass (*Spartina pectinata*)

High Tide Germplasm switchgrass (*Panicum virgatum*)

eastern gamagrass (*Tripsacum dactyloides*)

Developing seeding techniques for broadening plant diversity in dune restoration and stabilization plantings

Aerial seeding of smooth cordgrass (*Spartina alterniflora*) in June and the results in October

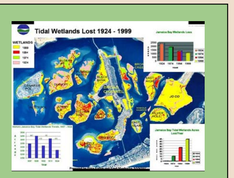
Selecting a cold tolerant sea oats (*Uniola paniculata*) for the northern Mid-Atlantic.

Mashpee Wampanoag Tribe & Wampanoag Tribe of Gay Head Aquinnah Pilot Project

Aid Federally recognized tribes of Massachusetts to restore declining culturally significant plant species through collection & propagation

Army Corps-New York District
Jamaica Bay Reimbursable Project

Rebuilding Jamaica Bay, One Island at a Time



Developing smooth cordgrass (*Spartina alterniflora*) seeding technology for cost effectively vegetating tidal shorelines and marshes in the National Park Service-Gateway National Recreation Area.

The Jamaica Bay Marsh Island Complex provides storm protection for New York City. The dredging of the NYC shipping channel provided sand material that was beneficially used to rebuild the eroded islands of the bay. The dredged sand was stabilized with *Spartina alterniflora*, saltmeadow cordgrass (*Spartina patens)* and saltgrass (*Distichlis spicata).*

USDA is an equal opportunity provider, employer, and lender.