





Gulf Savers* is an initiative of Restore the Earth Foundation Inc., a 501c3 not-for-profit, transforming concern for the earth into positive "boots on the ground" action that produces tangible results through collaborative partnerships.

- Transformative Projects
- Transformative Leaders
- Transformational Solutions

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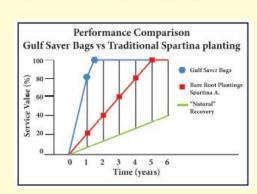


Wetland Restoration & Marsh

Gulf Savers® Bag: A Novel Approach for Spartina alterniflora in Marsh Ecosystems Restoration An Innovative Solution for Early Project Success!

The Gulf Saver Bag is a biodegradable, self contained package of native plants with its own site specific custom mixed supply of natural nutrients to support, feed, and protect the native vegetation. The bag is a stability kit that jump starts growth and survivability in the face of storm surge, wave action and rapid erosion, unlike traditional methods of planting plugs.

The Gulf Saver Bag, creates a supportive environment for accretion by slowing down water, allowing sediment to build, and adding nutrient rich biomass to the soil. Oil eating microbes can also be introduced to the custom mix for added protection against oil impacted sites.



Gulf Saver bags Demonstration/Pilot at Pass a Loutre, WMA, Venice, Louisiana • BENEFIT / ANALYSIS Gulf Saver Bags vs Traditional Plug Planting with Spartina alterniflora and Black mangrove

MEASUREMENTS GULF SAVER BAGS Spacing 5.0 meter centers/3 bag clusters - 507 bags/acre Survivability 95% 1st year Anticipated Replanting 5% one time Service Value 100% in <2 years Carbon Credit Value Achieved 1st year **Estimated DSAYs** 16+/acre \$1,000.00 Estimated Cost Per DSAY Percent Coverage at 18 months 70-100% Vegetation Height at 18 months 90-150cm

GULF SAVER™ BAG

BARE ROOT PLUGS 0.7 meter centers -10,816 plugs/acre 50% 1st & 2nd year 50% year 1 / 50% year 2 (2x) 100% in 5-10 years

5th year 12+/acre \$3,154.00 20% 50-75cm



Note: Site success has been at remote, vulnerable locations





CREATION

- Stabilizes and accelerates native re-vegetation
- Remediates soil and organic matter
- Re-establishes wildlife habitat
- · Replicable/scalable



An Innovative Combination Saving Louisiana Wetlands



