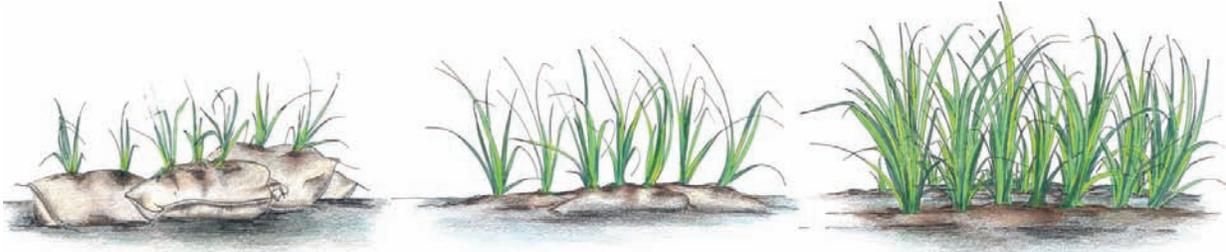




Dune Savers® for erosion control, dune creation and living shoreline restoration.

An Innovative Solution for Early Project Success!



Dune Savers® is an initiative of Restore the Earth Foundation Inc., a 501c3 not-for-profit, that offers an innovative approach to dune creation for stabilization, restoration, erosion prevention, sediment building and creation of shorelines, beaches and wildlife habitats, wetland and habitat restoration. The EKO Dune bag is an adaptation of the successful Gulf Saver bag.

The EKO Dune 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, with a custom organic mix that helps maintain hydration levels for higher survivability in the face of drought, wind erosion, storm surge, and rapid beach erosion, unlike traditional methods of planting plugs.

The EKO Dune Bag®, creates a supportive environment for accretion by **trapping sand** and other organic material, allowing sediment to build, and adding nutrient rich biomass to beach areas creating **“Dunelet mounds”** for new nesting areas for birds and other wildlife and building back a living shoreline. The bag platform prevents the need for fencing on many sites. Ideal for challenging environments where traditional plug plantings have failed.

EKO Dune Bags “Stability Kit” contains:

- Specific microbe strains of bacteria that will
 - Fixate atmospheric nitrogen to the root zone of the plants.
 - Improve root establishment.
 - Solubilize phosphorous to make it available to the plant.
 - Increase root biomass consistently.
 - Retains moisture to maintain hydrology for the plant.
 - Improve plant health which in turn improves the plants ability to overcome environmental stress conditions i.e. drought, wind, etc.
 - Improves the plant stature and structural strength.
- Bags are plugged with native grasses (Ex: sea oats, grasses, ground cover plants, beach elder, morning glories, sea purselane, railroad vine etc.)

Native plant material is contract grown using the **EKOgrown®** process working with regional nurseries grown from local seed sources to ensure appropriate genetic stocks are used in all our projects.

• COST/BENEFIT ANALYSIS - EKO Dune Saver Bags

Measurements	Gulf Saver Bags
Cost Per Acre	\$28,500.00
Spacing	2-3 meter centers
1,000 GS bags/per acre	(3 bag dunelets)
Survivability	90-95% 1st year
Anticipated Replanting	5-10 % one time
Service Value	100% in 2 years
Carbon Credit Value Achieved	1st year
Estimated DSAYs	15+ /acre
Estimated Cost Per DSAY	\$2,000.00 (apx.)



Dunelet mounds

