



GeoEarth application on sand to grow vegetation

## Transforms Non-Viable Earth into A Sustainable Growth Media

GeoEarth — Biotic Soil Media is engineered to provide a balanced formulation of decades long soil-building media that contributes to both healthy and prolonged vegetation establishment. It is a non-toxic formulation has been revolutionized using time-proven components from the horticultural and the plant science industry.



### Primary Applications

For establishing vegetation where little to no soil exists. GeoEarth provides the necessary ingredients to promote long term establishment utilizing ancient soil microbial technologies. For use in Reclamation, bio-remediation, revegetation and building of disturbed or depleted soils.

### Features and Benefits

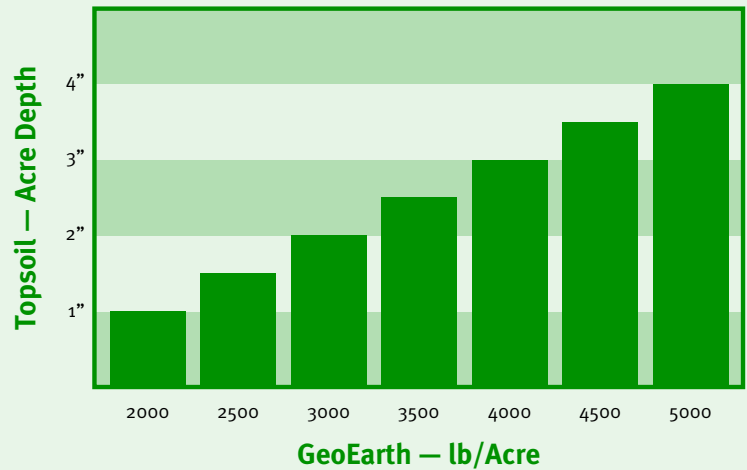
- Viable replacement for topsoil
- Provides the benefits of compost in a dry, concentrated form, which minimizes transportation and application costs
- Contains primary, secondary and tertiary nutrients for plant growth, eliminating the need to apply additional fertilizer
- Adds 15% approximately humic acid
- Supplies soil with 50% stabilized organic matter
- The Carbon: Nitrogen ratio range of 9:1 ensures no N immobilization in the soil
- Increases the nutrient and water holding capacity of the soil
- Improves and sustains soil quality
- Improves buffering against changes in soil pH
- Increases the soil's cation exchange capacity
- Improves soil structure, porosity and stability leading to greater root development





## GeoEarth

A Topsoil Replacement for Impoverished Soil



*It is necessary to conduct a soil test to determine specific quantities. Based upon test results, it is typically advisable to apply fertilizer or pH adjusters to maximize turf establishment.*

## Components of GeoEarth

- **Blended Composts** — Provides organic matter, high moisture retention and maximum coverage; sanitized to eliminate weed seeds and pathogens.
- **Biochar** — Carbon based that retains water, oil, sugars, proteins, and other substances drawn into their micropores by capillary & microbial action to support biological organisms creating a symbiotic relation with plant vegetation lasting centuries in the soil.
- **Water Absorbent Polymers** — to increase water-holding capacity, viscosity and bond strength of the media matrix
- **Proprietary Blend** — Containing High Amounts of Seaweed Extract, Humic Acid and MicroElements
- **Endomycorrhizae (Multiple Species)** — Mycorrhizae work by delivering nutrients from the soil to the plants roots. This results in greatly reduced fertilization needs and increased water availability. Mycorrhizae help to eliminate nitrogen runoff, can take 30% more carbon out of the air and add to the health of plants.
- **Nitrogen Fixing Bacteria (Multiple Species)** — Transforming atmospheric nitrogen into fixed nitrogen and allowing the plant root hairs to multiple and enhance maturation.

## GeoEarth Application



Application through hydroseeder



GeoEarth applied 4500 lb./acre