

# SUSTÅNE

Naturally...



## SUSTÅNE SOIL REGEN

STRUCTURAL SOIL CONDITIONER  
1-1-1+MYCORRHIZAE 1 MM

**KNOWN WORLDWIDE FOR SIMPLY THE BEST...  
...NATURAL FERTILIZER & SOIL BUILDERS!**

### SUSTÅNE SOIL REGEN™

Soil ReGen is a soil conditioner that reduces soil compaction, increases water and air infiltration and improves the nutrient and water holding capacity. Soil ReGen supplies organic-rich and biologically stable humates and organic matter, beneficial microorganisms and organic nutrients - all in dry, uniform particle size.

#### Recommended Uses

Soil ReGen is used for amending soils on golf courses, landscape beds, athletic fields, commercial turf and home lawns. Apply Soil ReGen to improve water infiltration and to relieve compaction in stressed turf areas. Use Soil ReGen for land reclamation, bio-remediation, and rebuilding of disturbed or depleted soils. Incorporate into soil to improve structure, increase permeability, and improve establishment of turf seeding and sod installations.

#### Professional Grade

Suståne Natural Fertilizers are backed by over 30 years of independent applied research on diverse crops and ecosystems. This research is unmatched by any other organic fertilizer manufacturer and is this foundation that has developed products that perform consistently under a wide variety of soil and crop production systems; and is why Suståne is recognized by growers from around the world. There simply is no substitute for testing and applied research or a better way to optimize plant growth sustainably.

#### CONTAINS

SUSTÅNE AEROBIC COMPOST, AZOMITE®, BIO-CHAR, HUMATES, LANGBEINITE, MYCORRHIZAE, PUMICE, SEAWEED, AND ZEOLITE.

#### SOIL REGEN BENEFITS

- Improves soil structure and aggregation.
- Helps reduce soil compaction.
- Aerates soil and improves oxygen availability in soil.
- Increases infiltration and permeability.
- Increases water holding capacity.
- Increases nutrient holding capacity.
- Contains all essential elements required for photosynthesis.
- High Cation Exchange allows plants to more effectively utilize nutrients, while reducing loss by leaching.
- Aids the colonization of beneficial soil microorganisms which supplies humic acid and encourages vigorous root growth.
- Provides carbohydrates such as alginic acid and mannitol.
- Contains mycorrhizae for improved nutrient and water uptake, and increased plant stress tolerance.
- Provides stabilized organic matter (Humus).
- Provides organic plant nutrition.



Medium Grade: SGN 200  
Mesh Size -7+14  
(2.8 mm to 1.4 mm)

# SUSTĀNE SOIL REGEN™

## INGREDIENTS, APPLICATION RATES & USE

### SOIL REGEN KEY INGREDIENTS



#### **AEROBIC COMPOST FROM SUSTĀNE:**

Biologically stable, microbially diverse, rich in plant nutrients, humic substances and high quality organic matter. Aerobic compost is the foundation for improving soils. USDA Biobased.



**AZOMITE®** is a rich natural ore that supplies diverse micronutrients in a highly mineralized complex silica ore (i.e. Hydrated Sodium Calcium Aluminosilicate).



**BIOCHAR** is made from biomass via pyrolysis is a stable, carbon-rich soil amendment that acts as a scaffold that retain nutrients, bind organic by products, and supports microbial growth for improved nutrient cycling.



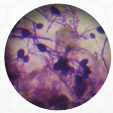
**HUMATES** are a naturally-occurring, carbon residues that can enhance root uptake of nutrients and further stimulate soil life.



**KELP** provides biostimulatory components that can improve rooting and enhance plant stress tolerance. Kelp provides a complex, active mixture of polysaccharides, organic acids, vitamins, phytohormones, as well as essential macro and micro nutrients that improve the survival potential of plants.



**LANGBEINITE** is a naturally occurring mined crystalline mineral. It is a rich natural source of low salt, water-soluble potassium, magnesium and sulfur.



#### **MYCORRHIZAL INOCULANT:**

Mycorrhizae are mutualistic fungi that enhance plant growth and health by improving nutrient and water uptake and protecting against root pathogens. They also improve soil structure for better soil health and plant establishment. Sustāne supplies a specifically selected suite of four endo mycorrhizae species.



**PUMICE** is highly porous and holds both water and air— critical to well-conditioned, aerated soils. With a naturally lightweight structure, it provides an excellent platform for supporting the root systems of diverse plants on green roofs and other urban settings.



**ZEOLITE** has a large surface area and the molecular structure and porosity provide the ability to retain moisture and nutrients in a manner complementary to pumice.

DISTRIBUTED BY:

### RATES AND APPLICATION

#### **COVERAGE:**

50 lb. covers 1,000 ft<sup>2</sup> @ 0.5 lb. N per 1000 ft<sup>2</sup> (22 lb. N per acre)  
22.67 kg covers 93 m<sup>2</sup> @ 0.25 kg N per 100 m<sup>2</sup> (25 kg N per hectare)

#### **TURF ESTABLISHMENT (PRE-PLANT):**

Broadcast and Incorporate into top 4 in. (10 cm) of soil.  
50 lb. per 1,000 ft<sup>2</sup> or 2,200 lb. per acre  
25 kg per 100 m<sup>2</sup> or 2,500 kg per ha

#### **SOIL RECONSTRUCTION:**

Blend in 60 to 80 lb. per yd<sup>3</sup> (30-40 kg per m<sup>3</sup>) of soil mix to provide 0.6 to 0.8 lb of N per yd<sup>3</sup> (0.3 to 0.4 kg of N per m<sup>3</sup>)

#### **RENOVATING LANDSCAPES & GARDEN BEDS**

Use 16 to 24 lb. per 100 square feet of bed (7 to 11 kg per 10 m<sup>2</sup>)

Store in a cool dry place.

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#### **Guaranteed Analysis**

Total Nitrogen (N).....	1%
0.1% Ammoniacal Nitrogen	
0.1% Water Soluble Nitrogen	
0.8% Other Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	1%
Soluble Potash (K <sub>2</sub> O).....	1%
Calcium (Ca).....	1%
Magnesium (Mg).....	0.5%
Sulfur (S).....	1%
Silica (Si) ( <i>soluble</i> ).....	0.3%

\*0.8% slow release nitrogen from composted turkey litter and feather meal. Derived from aerobically composted turkey litter, feather meal, langbeinite, calcium sulfate, and volcanic pozzalons.

#### **Also contains non-plant food ingredients:**

Pumice.....	30%
Zeolite.....	15%
Biochar.....	5%
Humic Acid ( <i>derived from lignite</i> ).....	5%
Kelp.....	2%
Vesicular Arbuscular Mycorrhizae.....	1.2 propagules per gram
<i>Glomus intraradices</i> 0.84 prop./g,	
<i>G. etunicatum</i> 0.12 prop./g,	
<i>G. deserticola</i> 0.12 prop/g,	
<i>G. clarum</i> 0.12 prop/g.	

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