



4-6-2

SLOW RELEASE NITROGEN W/ BIOCHAR, MYCORRHIZAE, & HUMATES FOR DEPLETED SOILS

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

SUSTANE 4-6-2 ALL NATURAL W/ BIOCHAR, MYCORRHIZAE, & HUMATES

Recommended Use:

Rapid vegetative establishment, erosion control, wetlands and watershed areas, native plant areas, dune and beach restoration, burn area reestablishment, mine site reclamation, oil/gas/coal right of ways and pipelines, highway road-side establishment, protected natural areas, forests, parks and landscapes.

Description:

Sustane 4-6-2 All Natural Fertilizer with Biochar, Humates and Mycorrhizae promotes a rapid rate of vegetative establishment. Quick ground cover minimizes soil erosion and the need for repairs or re-seeding. Sustane replenishes the soil with a rich supply of humus (stabilized organic matter) and the nutrients essential for quality growth. Sustane 4-6-2 is based on Sustane's biologically stable compost, rock phosphate, and feather meal, plus Vesicular Arbuscular Mycorrhizae (VAM) and humates. The addition of Biochar, VAM and humates further enhance plant water and nutrient use efficiency.

FOR OPTIMAL PLANT
NUTRITION IN
ENVIRONMENTALLY
SENSITIVE AREAS

Benefits of Sustane 4•6•2 All Natural

- Adds approximately 9% humates by volume
- Increases the nutrient and water holding capacity of the soil
- Strengthens plants tolerance against hot dry conditions
- Greater root development
- Addition of Biochar, Mycorrhizae and Humates work with Sustane fertilizer to enhance soil fertility, improve root growth and add to soil microbial health
- Improves buffering against changes in soil pH
- Increases the soil's ability to suppress plant pathogens
- Suitable for arid and saline soils, lowers transportation and application costs
- Provides all primary and secondary (macro & micro) nutrients necessary for plant growth

Safe for Plants, People and the Environment

- Manufactured by Sustane in the USA at an EPA-permitted composting facility
- Pathogen, contaminant and weed free, Sustane contains no blood, guts, bone or animal meat meal by-products
- Sustane contains no pelletized chicken manure, sewage sludge or industrial waste materials
- Contains no pharmaceutical byproducts
- Sustane is fully composted eliminating the need for sterilization, permitting a healthy environment for beneficial microbial populations
- Slowly available nutrients minimize weed growth
- Exported to over 60 countries world wide

MYCORRHIZAE

Mycorrhizae work by dramatically increasing root surface area. This increase results in greater uptake potential of water and nutrients (particularly phosphorus), which improves plant tolerance to drought stress and allows for reduced fertility during and after canopy establishment.

HUMATES

Sustane humates are naturally occurring, unaltered oxidized lignite that increase nutrient availability and soil CEC leading to improved plant-nutrient uptake efficiency.

BIOCHAR

Comprised of microscopic carbon structures that serve to increase water and nutrient holding capacity of the soil. Biochar can also improve soil microbial health and diversity.

LAND MANAGEMENT, NATIVE RESTORATION & EROSION CONTROL PROGRAMS**

COVERAGE & APPLICATION RATES

HYDROSEEDING:

Mix with water solution at a ratio of 2-4 lb. Sustane 4-6-2 to 1 gallon of water or 1 ton-2 ton per 1,000 gallon tank

For 45 lb. of N per acre apply 1125 lb.

For 90 lb. of N per acre apply 2250 lb.

SOIL PREPARATION:

- Light, High Sandy Soil - 6 lb. per 100 ft²
- Medium, Clay Loam Soil - 4 lb. per 100 ft²
- Heavy, Silty, Clay Loam - 2 lb. per 100 ft²

COVERAGE:

50 lb. covers 2000 sq. ft. @ 1 lb. N per 1000 ft²

**NOTE: ADJUST FERTILIZER PROGRAM FOR LOCAL CONDITIONS & REQUIREMENTS.



4-6-2 Guaranteed Analysis

Total Nitrogen (N)	4%
0.3% Ammoniacal Nitrogen	
0.3% Other Water Soluble Organic Nitrogen	
3.4% Water Insoluble Organic Nitrogen*	
Available Phosphate (P ₂ O ₅)	6%
Soluble Potash (K ₂ O)	2%
Calcium (Ca)	6%
Sulphur (S)	1%

Derived from aerobically composted turkey litter, rock phosphate, and feather meal.

*3.4% slowly available nitrogen from aerobically composted turkey litter and feather meal

Non-Plant Food Ingredients

Humic Acid.....	9%
<i>Derived from leonardite and composted turkey litter.</i>	
Biochar.....	5%
Endo-Mycorrhizae Inoculant	1.0%
Rhizophagus irregularis.....	3.0 spores/g,
Rhizophagus clarus	0.25 spores/g,
Septoglomus deserticola.....	0.5 spores/g,
Claroideoglomus etunicatum.....	0.5 spores/g.

4-6-2 Mycorrhizae & Humates Medium Grade, 200 SGN (2.8 mm - 1.4 mm)	Package Size	Units / Pallet
Item #		
30-14-1111	50 lb. bags	40 bags / pallet
30-14-1151	1-ton tote	1 tote / pallet