



# 3-7-2

## ALL NATURAL FERTILIZER W/ MYCORRHIZAE & HUMATES

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

### SUSTANE 3-7-2 GRANULAR

Sustane 3-7-2 Natural Organic Fertilizer combines nutrient-dense, concentrated compost with mycorrhizal fungi and additional humates from lignite. Sustane replenishes the soil with a rich supply of humus (stabilized organic matter) and all of the essential nutrients required for quality growth. Sustane 3-7-2 provides a concentrated package of plant macro and micro-nutrients and organic substances and beneficial microbiology. Sustane 3-7-2 is derived from biologically stable compost plus humates, feathermeal, and mycorrhizae.

#### Recommended Use:

Sustane 3-7-2 All Natural Fertilizer promotes a rapid rate of vegetative establishment. Quick ground cover minimizes soil erosion and the need for repairs or re-seeding. Ideal for reclamation, bio-remediation, revegetation and building of disturbed or depleted soils, native plant establishment, construction site vegetation, beach restoration, burn area reestablishment and mine site reclamation.

#### Professional Grade

Sustane Natural Fertilizer is backed by over 30 years of independent applied research on diverse crops and ecosystems. Unmatched by any other organic fertilizer manufacturer, such research is the foundation for developing products that deliver value under a wide variety of growing conditions. The superior performance of Sustane's products is recognized by growers from around the world.

RAPID VEGETATIVE ESTABLISHMENT  
FOR HIGHWAY ROADSIDE, EROSION  
CONTROL, WETLANDS AND BURN,  
MINE SITE RECLAMATION, AND OIL/  
GAS SITE REMEDIATION.

#### Benefits of Sustane Concentrated Compost

- Adds approximately 12% humates by weight
- Increases microbial diversity index in soils
- Increases nutrient and water holding capacity of the soil
- Enhances plant stress tolerance in any environment or soil type
- Provides greater root development
- Sustane 3-7-2 buffers soil pH
- Supplies plant available calcium and all secondary elements.
- Increases the soil's ability to suppress plant pathogens
- Builds soil through particle aggregation and increasing biological diversity for better roots, permeability and nutrient cycling.

#### 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.
- Sustane 3-7-2 is rich in microbial diversity and humic substances that are part of the natural cycling of plants and nutrients in all soils.
- Easy to apply and predictable every time.
- The most effective organic fertilizer available
- Contains no pharmaceutical byproducts.

## MYCORRHIZAE

Mycorrhizae work by delivering nutrients from the soil to plant 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.

## HUMATES

Humates are highly compressed, natural organic humus, the decayed remains of tropical rain forests, which existed millions of years ago in what is now the southwestern United States. Humates add organic material containing humic acids to your soil, which stimulates soil life. Sustane Humates are naturally-occurring, unaltered oxidized lignite and contain a supplemental source of trace elements.

## LAND MANAGEMENT, NATIVE RESTORATION & EROSION CONTROL PROGRAMS\*\*

### REVEGETATION:

Final fertilizer recommendations should be based on laboratory soil tests and specific site conditions including but not limited to aspect and slope. Use high rates for soils low in organic matter and steeper slopes.

### HYDROSEEDING:

Mix with water solution at a ratio of 2 lb. Sustâne 3-7-2 to 1 gallon of water / 1 ton per 1,000 gallon tank (240 kg per 1,000 litre tank).

- For 45 lb. of N per acre apply 1500 lb.
- For 90 lb. of N per acre apply 3000 lb.
- For 130 lb. of N per acre apply 4333 lb.

### FERTILIZER MAINTENANCE FOR LARGE TREES

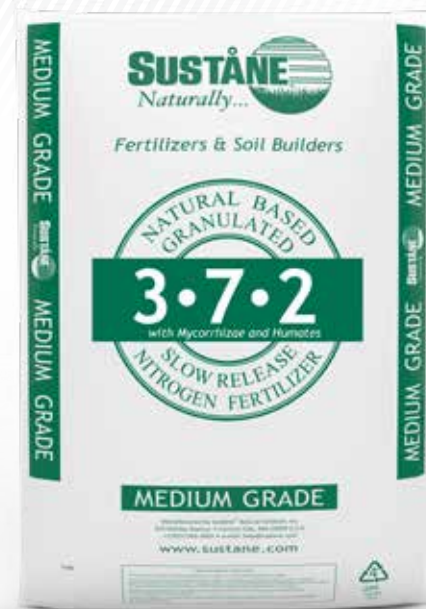
Once trees have become well established, apply Sustâne 3-7-2 into holes punched into the ground within tree crown drip line. Once the tree has developed a 4-6 inch (10-15 cm) diameter, increase application rate to 1.5 lb. of 3-7-2 per inch (270 g per cm) of tree trunk diameter.

### SOIL PREPARATION

- Light, High Sandy Soil  
8 lb. per 100 square feet of bed (40 kg per 100 m<sup>2</sup>)
- Medium, Clay Loam Soil  
6 lb. per 100 square feet of bed (30 kg per 100 m<sup>2</sup>)
- Heavy, Silty, Clay Loam  
3 lb. per 100 square feet of bed (15 kg per 100 m<sup>2</sup>)

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

3-7-2 Mycorrhizae & Humates Medium Grade, 200 SGN (2.8 mm - 1.4 mm) Item #	Package Size	Units / Pallet
30-17-1111	50 lb. bags	40 bags / pallet
30-17-1151	1-ton tote	1 tote / pallet



### 3-7-2 Guaranteed Analysis

Total Nitrogen (N) .....	3%
0.2% Ammoniacal Nitrogen .....	
0.2% Water Soluble Organic Nitrogen .....	
2.6% Water Insoluble Organic Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	7%
Soluble Potash (K <sub>2</sub> O) .....	2%
Calcium (Ca) .....	4%
<i>Derived from composted turkey litter and feathermeal.</i>	
*2.6% slowly available nitrogen from aerobically composted turkey litter and feathermeal.	

### Non-Plant Food Ingredients

Humic Acid.....	12%
<i>Derived from lignite and composted turkey litter.</i>	
Arbuscular Mycorrhizae Inoculum .....	4.80 spores/g
<i>Rhizophagus irregularis</i> .....	3.36 spores/g
<i>Rhizophagus clarus</i> .....	0.48 spores/g
<i>Septoglomus deserticola</i> .....	0.48 spores/g
<i>Claroideoglomus etunicatum</i> .....	0.48 spores/g

### Total Plant Nutrition

Magnesium.....	1.00%	Copper.....	0.05%
Sulfur.....	3.00%	Molybdenum.....	0.05%
Iron.....	0.50%	Boron.....	0.05%
Manganese .....	0.05%	Zinc.....	0.05%
Organic Matter.....	50.0%	pH.....	6.8
Bulk Density lb./cu. ft.....	36 lb.		
C.E.C. Cation Exchange Capacity.....	104 meq/cm		
% of Total N as Slow Release.....	80%		