



# SUSTANE

Naturally...

# 5-2-4

## ALL NATURAL PLANT FERTILIZER

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

FOR SUSTAINED  
NUTRITION IN  
ENVIRONMENTALLY  
SENSITIVE AREAS AND  
FOR DEPLETED SOILS

## SUSTANE® 5-2-4 GRANULAR

### Description:

Sustane 5-2-4 All Natural Fertilizer 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 all of the primary, secondary and minor nutrients essential for quality growth. Sustane 5-2-4 is derived from biologically stable compost plus natural potash and feathermeal.

### Recommended Use:

Certified Organic, 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 roadside establishment, protected natural areas, forests, parks and landscapes.

### 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.

### Benefits of Sustane 5-2-4 All Natural, Slow-Release Nitrogen Fertilizer

- Adds approximately 8.5% humates by volume
- Promotes greater root development
- Increases the soil's ability to suppress plant pathogens
- Increases soil porosity
- Suitable for arid and saline soils
- Provides primary and secondary (macro and micro) nutrients necessary for plant growth
- Contains the naturally occurring beneficial bacteria and fungi
- Sustane is fully composted eliminating the need for sterilization, permitting a healthy environment for beneficial microbial populations.

### Stabilized Organic Matter

Sustane 5-2-4 All Natural Slow Release Fertilizer was designed with the knowledge that the best way to grow quality plants is to develop and maintain a healthy soil. While synthetic fertilizers supply plant growth nutrients, they do not supply the organic matter required to maintain quality plant life.



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

**For 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, high in salts or pH and with steeper and southern facing slopes.

### Application Information:

Sustāne 5-2-4 granulated slow release fertilizer and soil builder should be part of any revegetation program. Applications of Sustāne 5-2-4 will replenish the soil with a rich supply of humus and microbes which contribute to the efficient uptake of plant nutrients.

### Coverage

- 50 lb. covers 2500 ft<sup>2</sup> @ 1 lb. N per 1000 ft<sup>2</sup> (44 lb. N per acre)
- 22.67 kg covers 232 m<sup>2</sup> @ 0.5 kg N per 100 m<sup>2</sup> (50 kg N per hectare)
- 20 lb. per 1000 ft<sup>2</sup> = 100 g per 1 m<sup>2</sup>

### Hydroseeding

- Apply 400 to 3000 lb. per acre or 450 to 3580 kg per hectare
- Mix with water solution at a ratio of 3.2 lb. Sustāne 5-2-4 to 1 gallon of water, 1.6 ton per 1,000 gallon tank

- For 44 lb. of N per acre apply 880 lb. (For 19.9 kg N apply 399 kg per 4046 m<sup>2</sup>)
- For 90 lb. of N per acre apply 1800 lb. (For 40.8 kg N apply 816 kg per 4046 m<sup>2</sup>)
- For 130 lb. of N per acre apply 2600 lb. (For 58.9 kg N apply 1179 kg per 4046 m<sup>2</sup>)

### Soil Preparation

- Light, High Sandy Soil: 5 lb. per 100 ft<sup>2</sup> (25 kg per 100 m<sup>2</sup>) of bed 2000 - 4000 lb./ac (907kg to 1814kg) 1 acre = 4046 m<sup>2</sup>
- Medium, Clay Loam Soil 3.5 lb. per 100 ft<sup>2</sup> (17.5 kg per 100 m<sup>2</sup>) of bed 1500 - 3000 lb./ac (680 kg to 1360 kg)
- Heavy, Silty, Clay Loam 2 lb. per 100 ft<sup>2</sup> (10 kg per 100 m<sup>2</sup>) of bed 1000 - 2000 lb./ac (453 kg to 907 kg)

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

Item #	Package Size	Units / Pallet
<b>Sustāne 5-2-4</b>		
<i>FINE GRADE, SGN 100</i>		
30-30-1311	50 lb. bags	40 bags / pallet
30-30-1351	1-ton tote	1 tote / pallet
30-30-1375 (international)	22.7 kg bags	44 bags / ISPM pallet
<i>MEDIUM GRADE, SGN 200</i>		
30-30-1111	50 lb. bags	40 bags / pallet
30-30-1151	1-ton tote	1 tote / pallet
30-30-1175 (international)	22.7 kg bags	44 bags / ISPM pallet



### 5-2-4 Guaranteed Analysis

Total Nitrogen (N).....	5%
0.5% Ammoniacal Nitrogen	
0.5% Other Water Soluble Nitrogen	
4.0% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca).....	3%

Derived from aerobically composted turkey litter, and sulfate of potash.

\*4.0% slowly available nitrogen from aerobically composted turkey litter and feather meal

### Total Plant Nutrition

Magnesium .....	1.13%	Copper .....	0.06%
Sulfur .....	1.19%	Molybdenum.....	0.03%
Iron.....	0.67%	Boron.....	0.03%
Manganese .....	0.05%	Humic Acid.....	8.5%
Zinc .....	0.04%	Organic Matter.....	50.0%
pH .....	7.0	Carbon:Nitrogen(C:N)....	5.1
Bulk Density lb./cu. ft..	36 lb.		
C.E.C. Cation Exchange Capacity .....	104 meq/cm		
% of Total N as Slow Release .....	80%		

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