



**Known Worldwide**  
*For Being Simply*  
**the Best...**  
**Natural Fertilizers**  
**& Soil Builders**

**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.*

**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.*

# 5•2•4 SUSTANE

**ALL NATURAL FERTILIZER FOR  
SUSTAINED NUTRITION IN  
ENVIRONMENTALLY SENSITIVE AREAS  
AND DEPLETED SOILS**



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

- Adds approximately 7% humates by volume
- Increases the nutrient and water holding capacity of the soil
- Strengthens plants' tolerance against hot, dry conditions
- Promotes greater root development
- Improves buffering against changes in soil pH
- Increases the soil's ability to suppress plant pathogens
- Increases soil porosity and stability for greater root development and water holding capacity
- Suitable for arid and saline soils, lowers transportation and application costs.
- Provides primary and secondary (macro & micro) nutrients necessary for plant growth

## **Always Safe for Plants, People and** **the Environment**

- Manufactured by Sustane® in the USA at an EPA permitted facility.
- Pathogen and weed free, no blood or bone products. Allowed for export to over 40 countries world wide.
- Aerobic composting eliminates animal and rodent attraction to application site.
- Contains the naturally occurring beneficial bacteria and fungi that are necessary to begin nutrient life cycle in poor soil.
- Sustane is fully composted eliminating the need for sterilization, permitting a healthy environment for beneficial microbial populations.
- Slowly available nutrients minimize weed growth.

# Sustâne® 5•2•4

ALL NATURAL

## Product Specifications

### Land Management, Native Restoration & Erosion Control Programs\*\*

#### Hydroseeding

Mix with water solution at a ratio of 3.2 lb. Sustâne 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 90 lb. of N per acre apply 1800 lb.

For 130 lb. of N per acre apply 2600 lb.

#### Soil Preparation

- Light, High Sandy Soil:  
5 lb. per 100 square feet of bed
- Medium, Clay Loam Soil  
3.5 lb. per 100 square feet of bed
- Heavy, Silty, Clay Loam  
2 lb. per 100 square feet of bed

#### Fertilizer Maintenance for Large Trees

Once trees have become well established, apply Sustâne into holes punched into the ground within tree crown drip line. Once the tree has developed a 4-6 inch diameter, increase application rate to 0.75 lb. of Sustâne per inch of tree trunk diameter.

\*\*NOTE: Adjust fertilizer program for local conditions and requirements.

**Sustâne® All Natural Fertilizers are allowed for use in production of certified organic crops.**

#### Coverage

50 lb. covers 2500 ft<sup>2</sup> @ 1 lb. N per 1000 ft<sup>2</sup> (44 lb<sup>2</sup> 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>  
10 g per 1 m<sup>2</sup>

#### Available particle sizes:

Medium Grade, 200 SGN (2.8 mm - 1.4 mm)

Fine Grade, 100 SGN (1.4 mm - 0.6 mm)

*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 or southern facing slopes.*

#### Guaranteed Analysis

Total Nitrogen (N) .....	5%
0.5% Ammoniacal Nitrogen	
0.5% Water Soluble Organic Nitrogen	
4.0% Water Insoluble Organic 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, feather meal, and sulfate of potash.

\*7.2% 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.....	7%
Zinc.....	0.04%	Organic Matter.....	50%
pH .....	7.0	Carbon:Nitrogen(C:N).....	5:1
Bulk Density lb./cu. ft .....	36	Salt Index (scale 1-100).....	12
C.E.C. Cation Exchange Capacity.....	104 meq/100 g		
% of Total N as Slow Release.....	80%		

#### SUSTÂNE COMPOST ANALYSIS

PARAMETER (SRD) INDEX	SUSTÂNE COMPOST ENUMERATION	SUSTÂNE DIVERSITY (SRD) INDEX	EXAMPLE MODERATE DIVERSITY
Aerobic Heterotrophic	5.9 x 10 <sup>9</sup> CFU /gdw*	2.0	1.6
Anaerobic Bacteria	8.7 x10 <sup>7</sup> CFU /gdw	0.9	0.8
Yeasts and Molds	2.7 x 10 <sup>5</sup> CFU /gdw	0.4	0.8
Actinomycetes	5.0 x 10 <sup>3</sup> CFU /gdw	0.8	0.9
Pseudomonads	8.5 x 10 <sup>8</sup> CFU /gdw	0.7	0.5
Nitrogen-Fixing Bacteria	1.0 x 10 <sup>3</sup> CFU /gdw	-0.3	0.3
Total Species Richness Diversity Index (SRDI)		4.5	4.9

\*Colony forming units per gram dry weight

#### Distributed By:

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[www.sustane.com](http://www.sustane.com) | Made in the USA

