



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® 4-6-4 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 essential nutrients required for quality growth. Sustane® 4-6-4 All Natural provides a combination of plant nutrients and organic substances derived from biologically stable compost plus natural potash and feathermeal.

4•6•4 SUSTANE

ALL NATURAL FERTILIZER FOR PLANT ESTABLISHMENT IN ENVIRONMENTALLY SENSITIVE AREAS AND DEPLETED SOILS



Benefits of Sustane® 4•6•4

All Natural Compost Based Fertilizer

- Adds approximately 10% 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
- Increased 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.

QUALITY GROWTH THROUGH HEALTHY SOIL™

Sustane® 4•6•4

ALL NATURAL

Product Specifications

Land Management, Native Restoration & Erosion Control Programs**

Hydroseeding

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

For 44 lb. of N per acre apply 1100 lb.
For 90 lb. of N per acre apply 2200 lb.
For 130 lb. of N per acre apply 3400 lb.

Soil Preparation

- Light, High Sandy Soil:
6 lb. per 100 square feet of bed
- Medium, Clay Loam Soil
4 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 Sustane 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 1.5 lb. of Sustane per inch of tree trunk diameter.

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

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

Coverage

50 lb. covers 2000 ft² @ 1 lb. N
per 1000 ft² (44 lb. N per acre)

22.67 kg covers 186 m² @ 0.5 kg N
per 100 m² (50 kg N per hectare)

25 lb. per 1000 ft²
125 g per 1 m²

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 higher rates for soils low in organic matter, high in salts or pH, and on steep and southern facing slopes.

Guaranteed Analysis

Total Nitrogen (N)	4%
0.4% Ammoniacal Nitrogen	
0.4% Water Soluble Organic Nitrogen	
3.2% Water Insoluble Organic Nitrogen*	
Available Phosphate (P ₂ O ₅)	6%
Soluble Potash (K ₂ O)	4%
Calcium (Ca)	4%
Derived from aerobically composted turkey litter, feather meal, and sulfate of potash.	
*3.2% slowly available nitrogen from aerobically composted turkey litter and feather meal	

Total Plant Nutrition

Magnesium	1%	Copper	0.05%
Sulfur	3%	Molybdenum	0.05%
Iron	0.5%	Boron	0.05%
Manganese	0.05%	Humic Acid	7%
Zinc	0.05%	Organic Matter	50%
pH	6.8	Carbon:Nitrogen(C:N)	4:1
Bulk Density lb./cu. ft.	36	Salt Index (scale 1-100)	4
C.E.C. Cation Exchange Capacity			104 meq/100 g
% of Total N as Slow Release			80%

SUSTANE COMPOST ANALYSIS

PARAMETER (SRD) INDEX	SUSTANE COMPOST ENUMERATION	SUSTANE DIVERSITY (SRD) INDEX	EXAMPLE MODERATE DIVERSITY
Aerobic Heterotrophic	5.9 x 10 ⁸ CFU / gdw*	2.0	1.6
Anaerobic Bacteria	8.7 x 10 ⁷ CFU / gdw	0.9	0.8
Yeasts and Molds	2.7 x 10 ⁵ CFU / gdw	0.4	0.8
Actinomycetes	5.0 x 10 ³ CFU / gdw	0.8	0.9
Pseudomonads	8.5 x 10 ⁶ CFU / gdw	0.7	0.5
Nitrogen-Fixing Bacteria	1.0 x 10 ³ 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:

(507) 263- 3003 Sustane Natural Fertilizer Inc.
(800) 352-9245 310 Holiday Avenue
(507) 263-3029 FAX Cannon Falls, Minnesota 55009
www.sustane.com Made in the USA



QUALITY GROWTH THROUGH HEALTHY SOIL™