



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

**Recommended Uses:**

*In-row or broadcast, Sustâne 3-7-4 is intended for use in the production of certified organic and conventionally grown agricultural crops, rapid vegetative establishment, erosion control, burn area reestablishment, mine site reclamation, native prairie restoration, construction pad remediation, and highway roadside vegetative establishment.*

**Description:**

*Sustâne® 3-7-4 Granulated All-Organic Fertilizer promotes a rapid rate of vegetative establishment. Quick ground cover minimizes soil erosion and gets all crops off to a fast start. Sustâne® replenishes the soil with a rich supply of humus (stabilized organic matter) and all of the essential nutrients required for quality growth. Sustâne® 3-7-4 All Natural provides a combination of plant nutrients and organic substances derived from biologically stable aerobic compost.*

# 3•7•4

# SUSTÂNE

## 100% ORGANIC

## GRANULATED FERTILIZER

**Benefits of Sustâne® 3•7•4•6 Ca 100% Organic Granulated Fertilizer**

- An excellent source of phosphorus provides rapid start to crops
- Can be applied in row, direct with seed
- Adds approximately 10% humates by weight
- Contains all primary, secondary and tertiary nutrients for plant growth
- Low Salt Index (6) requires no delay in planting following application
- Supplies soil with 60% Organic Matter in the form of stabilized humus
- Carbon:Nitrogen Ratio (8:1) guarantees no N immobilization in soil
- Increases the nutrient and water holding capacity of the soil
- Enhances the soil's ability to suppress plant pathogens
- Improves and sustains soil health
- Improves buffering against changes in soil pH
- Increases the soil's C.E.C (cation exchange capacity)
- Improves soil structure, porosity and stability leading to greater root development, infiltration and soil micropores

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

- Manufactured by Sustâne® in the USA at an EPA-permitted facility.
- Pathogen and weedseed free, no blood, bone or meat products.
- The only organic allowed for export to over 50 countries worldwide.
- USDA NOP, COR, EU and JAS organic compliant.
- Aerobic composting eliminates animal and rodent attraction to application site. Sustâne does not attract flies and other insects.
- Contains naturally occurring beneficial bacteria and fungi to support necessary nutrient life cycles in all soils. (See Microbial Diversity Chart.)
- Sustâne is fully composted - not sterilized; enhancing the soil environment for beneficial microbial populations.



The Sustâne EPA-permitted compost facility manufactures aerobic compost derived from area family turkey farms year around. 26-week thermophilic composting assures biological stability and uniformity.

QUALITY GROWTH THROUGH HEALTHY SOIL™

# Sustâne® 3•7•4

## GRANULATED ORGANIC FERTILIZER

### Product Specifications

**Organic and Conventional Crop Establishment. Land Improvement, Native Prairie Restoration, Bioremediation, Gardens & New Seeding\***

#### Crop establishment

Apply direct in-row with seed at rates of 100 lb. up to 250 lb. per acre.

#### Broadcast Application Rates

For 30 lbs. of N per acre apply 1000 lb.

For 50 lbs. of N per acre apply 1667 lb.

For 70 lbs. of N per acre apply 2333 lb.

#### Timing and Methods of Application

- Fall application, post harvest. Broadcast apply followed by light incorporation (1-2 inches).
- Spring application, pre-plant. Broadcast apply followed by light incorporation. (1-2 inches.)
- During planting, can be applied by grain drills, banded or air seeders, direct with seed.
- During cultivation, apply next to row or use Sustâne 8-2-4 for higher nitrogen demanding crops.

#### Soil Improvement for Gardens, Landscapes and Agricultural Crops

Sustâne 3-7-4 is also used as a general soil builder by broadcast application for improving soil organic matter levels, cation exchange capacity; enhancing and diversifying soil biological activity. After application, incorporate lightly into top 1 to 2 inches of soil (10 to 25 cm)

\*NOTE: Adjust fertilizer program for local conditions and crop requirements based on soil test.

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

#### General Coverage

33 lbs. covers 1,000 sq. ft. @ 1 lb N per 1000 sq. ft. (44 lbs. N per acre)

16.1 kg. covers 100 sq. meters @ 0.5 kg. N per 100 sq. meters (50 kg. N per hectare)

*For Soil Building: Final fertilizer recommendations should be based on results of laboratory soil tests and specific site conditions including but not limited to soil type and yield goal. Use higher rates for soils low in organic matter, high in salts or low pH.*

#### Guaranteed Analysis

Total Nitrogen (N) .....	3%
0.3% Ammoniacal Nitrogen	
0.3% Water Soluble Organic Nitrogen	
2.4% Water Insoluble Organic Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	7%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca).....	6%
Sulfur (S).....	1%
Magnesium (Mg).....	1%

Derived from aerobically composted turkey litter, \*2.4% slowly available nitrogen from Sustâne aerobically composted turkey litter.

#### Typical Secondary & Micronutrient Levels, and Physical and Chemical Characteristics

Magnesium .....	1.00%	Copper.....	0.07%
Sulfur.....	1.00%	Molybdenum.....	0.0007%
Iron .....	0.42%	Boron.....	0.006%
Manganese .....	0.06%	Humic Acid.....	7.00%
Zinc.....	0.07%	Organic Matter.....	55.0%
pH.....	7	Carbon:Nitrogen(C:N).....	8:1
Bulk Density lb./cu. ft .....	38 lb.	Salt Index (scale 1-100).....	6
Standard Particle Size Medium Grade: Mesh Size -7 +14 or 1.4-2.8mm or 200 SGN			
C.E.C. (Cation Exchange Capacity) .....	104 meq/cm		
% SRN (% of Total Nitrogen as Slow Release).....	80%		

#### Sustâne Microbial Diversity Index Analysis: Sustâne Compost relative to Soils of Moderate Microbial Diversity

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	1.0 x 10 <sup>3</sup> CFU / gdw	-0.3	0.3
*Total Species Richness Diversity Index (SRDI)		4.8	4.9

\*Colony forming units per gram dry weight. 1. NOTE: High nitrogen composts such as Sustâne do not contain high levels of nitrogen-fixing bacteria.

#### Available through:

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