



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

Recommended Uses:

Sustane 3•4•2 is the preferred all natural organic choice for customizable fertilizer blends. Providing a complete nutrient package for long term soil building.

Description:

Sustane® 3-4-2 Natural Organic Fertilizer is derived solely from biologically stable compost.

Sustane® 3-4-2 provides a rich supply of humus with all of the essential nutrients. Used as a stand alone or base material for any professional fertilizer blend. Sustane® Natural Fertilizers provide beneficial microbial diversity improving the ecosystem of your soil. The power of compost concentrated.

3 • 4 • 2

SUSTANE

ALL NATURAL ORGANIC BLENDERS' CHOICE



Benefits of Sustane®

3•4•2 Natural Organic

- Increases the nutrient and water holding capacity of the soil
- Strengthens plants tolerance against hot dry conditions
- 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

Stabilized Organic Matter

Sustane 3-4-2 Blender's Choice was designed with an ongoing commitment to protecting the environment while supplying your soil with a rich supply of essential nutrients. Our organic compost provides the tools and systems for optimum soil and plant health conditions. While synthetic fertilizers supply plant growth nutrients, they do not supply the organic matter required to maintain quality plant life.

Microbial Diversity

The use of fully composted natural fertilizers increases the levels of beneficial microbial activity that increase nutrient conversion to plant available forms. Microbial diversity has a far-reaching effect on soil ecosystems including: decomposition of organic matter, nutrient cycling and soil fertility. Increasing the nutrient availability of both synthetic and organic nutrient sources. While minimizing nutrient loss through leaching.

Sustâne® 3·4·2

BLENDERS' CHOICE

Product Specifications

Applications:

Sustâne® 3-4-2 Natural Organic is an all purpose professional fertilizer designed to provide slow release fertilization without causing excessive growth or burn potential. Sustâne® 3-4-2 Natural Organic provides the best source of stabilized humus and chelated nutrients. Because Sustâne® is derived from aerobically composted turkey litter, the fertilizer is high in beneficial microbial content.

Total Plant Nutrition

A complete package containing slow release nitrogen, chelated micro nutrients, organic phosphorus, potassium and humic substances. Not all "organics" are the same. Many sewage sludge, meal products and manure-based products undergo high heat sterilization treatments. This process can kill off most of the beneficial and natural microorganisms. Sustâne has been demonstrated time and again to surpass and enhance synthetic fertilizers.

Sustâne® 3-4-2 Natural Organic Fertilizer is allowed for use in production of certified organic food and fiber crops.

Turf Coverage

50 lbs. covers 2000 sq. ft. @ 1 lb N per 1000 sq. ft. (44 lbs. N per acre)

22.67 kg. covers 186 sq. meters @ 0.5 kg. N per 100 sq. meters (50 kg. N per hectare)

25 lbs. per 1000 sq. ft.
125 g. per 1 sq. m.

Available particle sizes:

Medium Grade, 200 SGN (2.8mm - 1.4 mm)
Fine Grade, 100 SGN (1.4mm - 0.6 mm)

Sustâne® Natural Fertilizers Provide Humus Rich with Diverse Microbial Species

High sand content and disturbed soils low in organic matter contain little or no buffering capacity for nutrient holding, or protection against invasive pathogenic organisms. Sustâne fertilizers provide plant foods, nutrient exchange sites, and humus rich in beneficial microbial functional groups. Together these components contribute to several improvements in soil and soil-plant ecosystems.

BBC Laboratories of Tempe, Arizona has developed a methodology for testing composts (and other organic materials) to determine the quantity and quality of the microbial communities. This testing is called *Microbial Diversity Analysis* and yields information specific to the characteristics as well as the performance expectations of Sustâne compost based natural fertilizers. Microbial Diversity Analysis provides an overall index for species Richness. [The following information is condensed and paraphrased from BBC Laboratories.]

Parameter	Sustâne Compost Enumeration	Sustâne Diversity (SDR) Index	Moderate Diversity (SDR) Index
Aerobic Heterotrophic	5.9 x 10 ⁹ CFU / gdw*	2.0	1.6
Anaerobic Bacteria	8.7 x 10 ⁷ CFU / gdw	0.9	0.8
Yeasts & Molds	2.7 x 10 ⁵ CFU / gdw	0.4	0.8
Actinobacteria	5.0 x 10 ³ CFU / gdw	0.8	0.9
Pseudomonads	8.5 x 10 ⁸ CFU / gdw	0.7	0.5
Nitrogen-Fixing Bact.	1.0 x 10 ³ CFU / gdw	0.3	0.3
Total Species Richness Diversity Index (SRDI)		4.9	4.9

Richness, ecologically speaking, is the quantity of different species present. The Diversity value is an index number relative to the richness and quantity of the CFU's / gdw (*colony forming units per dry gram weight). All data from BBC Laboratories, Inc., Tempe, AZ June 20, 2002.

Guaranteed Analysis

Total Nitrogen (N) 3%
 0.3% Ammoniacal Nitrogen
 0.3% Water Soluble Organic Nitrogen
 2.4% Water Insoluble Organic Nitrogen*

Available Phosphate (P₂O₅) 4%
 Soluble Potash (K₂O) 2%
 Calcium (Ca) 4%

Derived from aerobically composted turkey litter, and hydrolyzed feather meal.

*2.4% slowly available nitrogen from aerobically composted turkey litter and hydrolyzed feather meal

(507) 263- 3003 Sustâne Natural Fertilizer Inc.
 (800) 352-9245 310 Holiday Avenue
 (507) 263-3029 FAX P.O. Box 19
www.sustane.com Cannon Falls, Minnesota 55009

