



Known Worldwide

For Being Simply
the **Best...**

**Natural Fertilizers
& Soil Builders**

Recommended Uses:

Sustane 8-4-4 All Natural Fertilizer is ideal for the production of bedding and foliage crops, hanging baskets, herbs and vegetables.

Sustane 8-4-4 is excellent for the production of Begonias, Petunias, Impatiens, Geraniums, Caladiums, Chrysanthemums, and vegetable crops.

Description:

Sustane 8-4-4 is available in both fine and medium particle sizes.

Fine granules are ideal for use with plug production to provide uniform distribution of nutrients in low volume containers. When used in containers the nutrient release profile is 45 days.

Sustane 8-4-4 is composed of aerobically composted turkey litter, feather meal, and sulfate of potash.

8•4•4 SUSTANE®

**ALL NATURAL NURSERY SPECIAL
SLOW RELEASE FERTILIZER**

Allowed for Certified Organic Production

Benefits of Sustane® 8•4•4

- Contains 10% naturally occurring humates
- Increases microbial diversity index in soils
- Increases the nutrient and water holding capacity of the soil
- Enhances plant stress tolerance in any environment or soil type
- Provides greater root development
- Sustane 8-4-4 buffers soil pH
- Supplies plant available calcium and all secondary elements
- Increases the soil's ability to suppress plant pathogens
- Provides 6–8 week nutrient release in containers
- Provides season-long nutrient release under field conditions
- Low salt index enhances safety to plants
- Builds soil through particle aggregation and increases biological diversity for better roots, permeability and nutrient cycling

**The Organic Standard for
Plant Production**

- Developed and tested over eight years at leading nursery research Universities and independent horticultural research facilities
- Sustane all-natural 8-4-4 has high organic nitrogen and a 2-1-1 ratio, rich in humic substances. Easy to apply and predictable every time. The most effective organic fertilizer available.
- Sustane 8-4-4 is rich in microbial diversity and humic substances that are part of the natural cycling of plants and nutrients in all soils.
- Sustane 8-4-4 is pathogen, contaminant and weed seed free, allowed for export worldwide. Sustane products contain no blood, guts, bone or animal meat meal by-products; nor does it contain any pelletized chicken manure, sewage sludge (biosolids) or industrial waste materials.
- Quality controlled by Sustane in the USA at an EPA-permitted composting facility.

Sustane® 8•4•4

ALL NATURAL

PRODUCT SPECIFICATIONS

Container Topdressing Application Rates in grams

Rate	Container Size								
	5" Std.	6" Std.	1 gallon	2 gallon	3 gallon	5 gallon	7 gallon	10 gallon	15 gallon
Low	3	6	7	15	28	45	63	77	82
Med	7	13	19	39	67	108	140	186	200
High	10	18	28	59	104	165	237	285	306

Container Mix & Landscape Application Rates

Container Mix Rates by Volume					
lb. per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
5.5	10	15	3.3	5.9	8.9

Landscape Application Rates by Area					
lb. per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
9	18	28	4.8	8.8	13.7

Low Rate: Recommended for salt sensitive species; when concurrent with liquid feed; with production systems utilizing low leaching fractions (less than 10%); and when applied to heavy potting substrates (total porosity less than 65%).

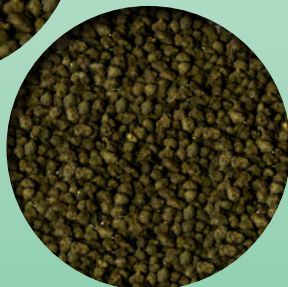
Medium Rate: Recommended for use on medium feeding species; on most nursery stock and foliage plants; and when liquid feed is not performed.

High Rate: Recommended for use on heavy feeding species; with production systems utilizing high leaching fractions (greater than 20%); and when applied to light, porous substrates (total porosity greater than 80%).

Available particle sizes:

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

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



Guaranteed Analysis	
Total Nitrogen (N)	8%
0.4% Ammoniacal Nitrogen	
0.4% Water Soluble Organic Nitrogen	
7.2% Water Insoluble Organic Nitrogen*	
Available Phosphate (P ₂ O ₅)	4%
Soluble Potash (K ₂ O)	4%
Calcium (Ca).....	2%
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	0.56%	Sulfur.....	1.85%
Molybdenum	0.03%	Iron	0.42%
Boron.....	0.03%	Manganese	0.04%
Humic Acid	10%	Zinc.....	0.03%
Organic Matter	65%	pH	6.8
Carbon:Nitrogen(C:N)	4:1	Bulk Density lb./ft ³	44
Salt Index (scale 1-100).....	4		
C.E.C. Cation Exchange Capacity.....	104 meq/100 g		
% of Total N as Slow Release.....	90%		

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www.sustane.com | Made in the USA

