



# SUSTANE

Naturally

# 8-4-4

## ALL NATURAL 45 DAY RELEASE FERTILIZER

**KNOWN WORLDWIDE FOR *SIMPLY THE BEST...*  
...NATURAL FERTILIZER & SOIL BUILDERS!**

## SUSTANE® 8-4-4 GRANULAR

### Recommended Uses:

Sustane 8-4-4 all-natural is high nitrogen, natural and organic fertilizer specifically designed for professional nursery, greenhouse, and landscape applications. Sustane 8-4-4 is ideal for organic production of bedding and foliage crops, herbs, and vegetables including basil, cilantro, cucumbers, and tomatoes. Also excellent in hanging baskets and the production of annuals such as begonias, chrysanthemums, petunias, impatiens, and geraniums.

### Description:

Sustane 8-4-4 is available in both fine and medium particle sizes. 8-4-4 Fine Grade granules are ideal for use with plug production to provide uniform distribution of nutrients in blending organic potting soils and in low volume containers and tray mixes. When used in containers the nutrient release profile is 45 days (at 25°C / 70°F). Sustane 8-4-4 is composed of aerobically composted turkey litter, feather meal, and sulfate of potash.

### Professional Grade

Sustane Natural Fertilizer is backed by over 30 years of independent applied research on diverse crops and ecosystems. Unmatched by any other organic fertilizer manufacturer, such research is the foundation for developing products that deliver value under a wide variety of growing conditions. The superior performance of Sustane's products is recognized by growers from around the world.

SPECIAL BLEND FOR NURSERY,  
GREENHOUSE & LANDSCAPE  
APPLICATIONS -  
ALLOWED FOR CERTIFIED  
ORGANIC PRODUCTION

### Benefits of Sustane 8-4-4

- Provides 6-8 weeks of feeding in containers
- Low salt index enhances safety to plants
- Contains approximately 5% naturally occurring humates
- Includes diverse compost-based microorganisms
- Increases the nutrient and water holding capacity of the soil
- Strengthens plants tolerance against hot and dry conditions
- Promotes healthy root development
- Improves buffering against changes in soil pH
- Increases the soil's ability to suppress plant pathogens
- Supplies plant available calcium and all secondary elements

### The Organic Standard for Plant Production

- Developed and tested over eight years at leading research universities and independent horticultural research facilities
- Sustane all-natural 8-4-4 has high organic nitrogen and provides all plant essential nutrients.
- Rich in humic substances that can chelate micronutrients and act as root biostimulants.
- Sustane 8-4-4 contains diverse microbial populations that promote the natural cycling of nutrients in soils.
- Sustane products contain no blood, guts, or animal meat meal by-products; nor does it contain any pelletized chicken manure, sewage sludge (biosolids), industrial or pharmaceutical waste materials.
- Quality controlled by Sustane in the USA at an EPA-permitted composting facility.
- Sustane 8-4-4 is free of pathogens, contaminants and weed seeds.
- Easy to apply and predictable every time. The most effective organic fertilizer available.



## CONTAINER TOPDRESSING APPLICATION RATES IN GRAMS

CONTAINER SIZE									
RATE	5" Std. (12 cm)	6" Std. (15 cm)	1 gallon (3.5 L)	2 gallon (7.6 L)	3 gallon (11.3 L)	5 gallon (19 L)	7 gallon (26.5 L)	10 gallon (37.8 L)	15 gallon (56.8 L)
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 supplemental liquid feed is not performed before 45 days after planting.

**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%).

## 8-4-4 BULK DENSITY

ROUNDED MEASURE	WEIGHT GRAMS
1 teaspoon	2.8
1 Tablespoon	8.5
1/4 cup	34
1/2 cup	68
1 cup	136



Item #	Package Size	Units / Pallet
<b>Sustāne 8-4-4</b>		
<i>Container Media Grade</i>		
100 to 200 SGN (1.0 mm 2.0 mm)		
30-57-1311	50 lb. bags	40 bags / pallet
30-57-1351	1-ton tote	1 tote / pallet
30-57-1375 (international)	22.68 kg bags	44 bags / ISPM pallet

## 8-4-4 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 <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca) .....	2%
Magnesium (Mg) .....	0.50%
0.00% Water Soluble Magnesium (Mg)	
Sulfur (S) .....	1.5%
Iron (Fe).....	0.20%
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	

