

# SUSTĀNE® 4•6•4

## plus Humates

Designed for Professional Nursery, Greenhouse & Landscape

### Guaranteed Analysis

Total Nitrogen (N) .....	4%
0.4% Ammoniacal Nitrogen	
0.4% Slowly Available Water Soluble Nitrogen	
3.2% Water Insoluble Organic Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	6%
Soluble Potash (K <sub>2</sub> O) .....	4%
Calcium (Ca) .....	4%
Magnesium (Mg) .....	1.00%
Sulfur (S) .....	3.00%
0.0% Free Sulfur (S)	
3.0% Combined Sulfur (S)	
Boron (B) .....	0.05%
Copper (Cu) .....	0.05%
Iron (Fe) .....	0.50%
0.42% Water Soluble Iron (Fe)	
Manganese (Mn) .....	0.05%
Molybdenum (Mo) .....	0.05%
Humic Acid .....	12.0%

Derived from aerobically composted turkey litter, hydrolyzed feather meal, sulfate of potash and lignite.

\*3.2% slow release nitrogen derived from aerobically composted turkey litter and hydrolyzed feather meal.

Store in a cool dry place. Keep out of reach of pets and children.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

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### Product Description:

Sustāne 4-6-4+Humates is all natural, slow release nitrogen plus natural phosphorous, potassium and all secondary and trace elements – high in organic content. 4-6-4+Humates is perfect for general soil preparation of landscape beds, shrub and tree establishment, incorporation into potting soils and overall soil building. Designed to improve soil health and provide a full season nutrient supply.

**Medium Grade: SGN 200 (2.8mm -1.4 mm)**

### Direction for Use:

4-6-4+Humates provides constant release of nutrients when used with container substrates with average temperature of 70°F / 21°C. When determining application rates consider all cultural practices including irrigation, container substrate physical characteristics and growing environment.

**Low Rate:** Recommended for use on 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 concurrently.

**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%).

### 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	6	12	14	30	56	90	126	154	164
Med	14	26	38	78	134	216	280	372	400
High	20	38	56	118	208	330	474	570	612

- These rates are intended as guidelines. Sustāne encourages a trial prior to changing any fertilizer program.
- Do not store container mix more than two weeks after incorporating fertilizer. Plant material can be damaged from salt accumulation.

### Container Mix & Landscape Application Rates

Container Mix Rates by Volume					
lb. per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
11	20	30	6.5	11.8	17.8

Landscape Application Rates by Area					
lb. per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
18	36	56	8.8	17.6	27.4

### Bulk Density of Sustāne 8-4-4 45-day

Rounded Measure (volume)	Grams (weight)
1 teaspoon (tsp)	2.8
1 Tablespoon (Tbs)	8.5
1 oz.	17
1/4 cup	34
1/2 cup	68
1 cup	136

- If mix is stored longer than two weeks, leaching container mix may be required to remove accumulated salts
- Do not steam sterilize container mix after fertilizer has been incorporated
- Monitor electrical conductivity (EC) of container substrate throughout production cycle. Adjust application rate as needed.

# Net Wt. 50 lb. (22.67 kg.)

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