

SUSTANE® 16-4-8

120-Day Controlled Release Fertilizer

Designed for Professional Nursery, Greenhouse & Landscape

Guaranteed Analysis

| | |
|--|-------|
| Total Nitrogen (N)..... | 16% |
| 0.5% Ammoniacal Nitrogen* | |
| 2.6% Nitrate Nitrogen* | |
| 1.5% Water Insoluble Nitrogen** | |
| 11.2% Urea Nitrogen* | |
| 0.2% Other Water Soluble Nitrogen | |
| Available Phosphate (P ₂ O ₅) | 4% |
| Soluble Potash (K ₂ O)..... | 8% |
| Calcium (Ca) | 2.75% |
| Magnesium (Mg)..... | 0.75% |
| Sulfur (S)..... | 1.00% |
| Iron (Fe)..... | 0.25% |
| Manganese (Mn)..... | 0.05% |

Derived from aerobically composted turkey litter, polymer coated urea, polymer coated potassium nitrate, polymer coated calcium nitrate, polymer coated mono-ammonium phosphate, feather meal and sulfate of potash.

*14.1% controlled release nitrogen derived from polymer coated urea, poly coated potassium nitrate and polymer coated mono-ammonium phosphate.

**1.5% slow release nitrogen derived from aerobically composted turkey litter and feather meal.

Store in a cool dry place. Keep out of reach of pets and children.
021914 F689

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

Product Description:

Sustane 16-4-8 was developed as an organic and polymer coated combination fertilizer to provide nursery stock with the best of both organic and controlled released fertilizers (CRF). Sustane 16-4-8 provides all essential plant nutrients in both controlled release and slow release organic form by combining coated fertilizers with nutrient rich aerobically composted turkey litter. The Sustane component undergoes a 26-week aerobic composting process ensuring that the finished product is stabilized yet biologically active. The controlled release portion of the material is comprised of industry-leading, polymer coated urea, polymer coated mono-ammonium phosphate and polymer coated potassium nitrate. Nutrient release rates from Sustane 16-4-8 are based on soil or substrate temperature and microbial activity. The sophisticated two mechanism release matches plant nutrient requirements over the production cycle and prevents dumping of nutrients.

Direction for Use:

Sustane 16-4-8 provides constant release of nutrients for approximately 120 days 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 | 4 | 6 | 9 | 20 | 35 | 55 | 79 | 95 | 102 |
| Med | 6 | 9 | 14 | 30 | 52 | 83 | 119 | 143 | 153 |
| High | 7 | 13 | 20 | 41 | 73 | 116 | 166 | 201 | 215 |

Container Mix & Landscape Application Rates

| Container Mix Rates by Volume | | | | | |
|-------------------------------|-----|------|--------------------|-----|------|
| lb. per cubic yard | | | kg per cubic meter | | |
| Low | Med | High | Low | Med | High |
| 4 | 7 | 9 | 2.4 | 4.2 | 5.3 |

| Landscape Application Rates by Area | | | | | |
|-------------------------------------|-----|------|-------------------------|-----|------|
| lb. per 1,000 square feet | | | kg per 100 square meter | | |
| Low | Med | High | Low | Med | High |
| 9 | 17 | 23 | 4.4 | 8.3 | 11.2 |

Bulk Density of Sustane 16-4-8 120-day

| Rounded Measure (volume) | Grams (weight) |
|--------------------------|----------------|
| 1 teaspoon (tsp) | 3.2 |
| 1 Tablespoon (Tbs) | 9.7 |
| 1 oz. | 19.4 |
| 1/4 cup | 39 |
| 1/2 cup | 78 |
| 1 cup | 155 |

- These rates are intended as guidelines. Sustane 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.
- 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)



Sustane Natural Fertilizer, Inc.
310 Holiday Avenue
Cannon Falls, MN 55009 USA
+1 507-263-3003 • www.sustane.com

