SUSTÅNE® 16·4·8

180-Day Controlled Release Nitrogen Fertilizer

Designed for Professional Nursery, Greenhouse & Landscape

Guaranteed Analysis

Total Nitrogen (N)	16%
0.2% Ammoniacal Nitrogen*	
1.8% Nitrate Nitrogen*	
2.6% Water Insoluble Nitrogen**	
11.0% Urea Nitrogen*	
0.4% Other Water Soluble Nitrogen	
Available Phosphate (P_2O_5)#	4%
Soluble Potash (K_2O)@	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 monoammonium phosphate, ureaform, feather meal and sulfate of potash.

*12.7% controlled release nitrogen derived from polymer coated urea, polymer coated potassium nitrate and polymer coated mono-ammonium phosphate.

#2.4% available phosphate derived from polymer coated mono-ammonium phosphate.

@7.1% soluble potash derived from polymer coated potassium nitrate.

**2.6% slow release nitrogen derived from aerobically composted turkey litter, ureaform and feather meal.

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

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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:

Suståne 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). Suståne 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 Suståne component undergoes a 26-week aerobic composting process ensuring that the finished product is stabilized. The controlled release portion of the material is comprised of industry-leading, polymer coated urea, polymer coated monoammonium phosphate and polymer coated potassium nitrate. Nutrient release rates from Suståne 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:

Suståne 16-4-8 180-day provides constant release of nutrients for approximately 180-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	5	8	12	26	46	74	105	128	137
Med	7	12	19	40	69	111	158	191	205
High	10	17	26	55	97	155	221	268	287

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	9	12.5	3.0	5.3	7.4

Landscape Application Rates by Area					
lb. per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
10	18	24	4.9	8.7	11.7

Bulk Density of Suståne 16-4-8 180-day

Rounded Measure (volume)	Grams (weight)
1 teaspoon (tsp)	3.1
1 Tablespoon (Tbs)	9.3
1 oz.	18.6
1/4 cup	37.2
1/2 cup	74.4
1 cup	148.8

- These rates are intended as guidelines. Suståne 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)

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SUSTÅNE® Naturally...