

# SUSTÅNE

Naturally...

# 16-4-8 120-DAY SPECIFIC BLEND OF CONTROLLED RELEASE NUTRITION

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

## **SUSTÅNE® 16-4-8 NATURAL BASE + CONTROLLED RELEASE**

### **Description:**

Suståne 16-4-8 was developed as a combination fertilizer to provide nursery stock with a time released 4-1-2 nutrient package blended with a 50% Suståne humus rich, premium natural base. Suståne 16-4-8 is perfect for production of perennials and woody ornamentals. Professional landscapers use Suståne 16-4-8 to grow beautiful Azalea, Holly, Weigelia, Crape Myrtle, Cotonaster, Boxwood, Spiraea, Salvia, Hibiscus, and Daylily.

### **Recommended use:**

16.4.8 can be applied to new and existing landscape beds and containers, either incorporating or topdressing the material. 16-4-8 will then steadily release all essential nutrient to maintain plant health over a 120 day period.

### **Professional Grade**

Suståne products are derived from biologically stable humus-rich compost and contain both water soluble nitrogen (WSN) and slow release nitrogen (SRN), beneficial microbiology, and all 17 elements essential for plant photosynthesis. With a near-neutral pH, a low salt index and low ammonium nitrogen percentage, Suståne will not cause seedling stress or plant fertilizer "burn". Suståne products increase soil cation exchange capacity (CEC) by supplying humates and stable organic matter. Suståne's organic and blended natural fertilizers provide all soil types with additional buffering capacity, allowing for more consistent and productive growth.

NATURAL BASE + COATED  
CONTROLLED RELEASE  
FERTILIZER  
120-DAY NUTRIENT  
RELEASE AT 70°F (21°C)

### **Benefits of 16-4-8 120-Day Natural Base + Controlled Release**

- Suståne Natural Base + Controlled Release Fertilizers (CRF) are the new generation in environmentally friendly plant nutrition with minimal impact on the non-target environment
- 16-4-8 provides 3-4 month nutrient release in containers
- Suståne Natural Base + CRF produce predictable results, dependable performance and high quality plants
- Designed, tested and proven to provide equal or superior growth results compared to similar formulations (4-1-2 ratio) of nursery industry standards
- Enhances soil-plant nutrient exchange increasing uptake efficiency
- Low burn potential, nutrients release gradually over time
- 16-4-8 supplies all primary, secondary and micronutrients required for complete plant photosynthesis



## CONTAINER TOPDRESSING APPLICATION RATES IN GRAMS

RATE	CONTAINER SIZE								
	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	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

**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%).

## 16-4-8 BULK DENSITY

Rounded Measure	Grams
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

Item #	Package Size	Units / Pallet
Sustāne 16-4-8 120-Day MEDIUM GRADE SGN 200 (2.8 mm - 1.4 mm)		
50-55-1111	50 lb. bags	40 bags / pallet
50-55-1151	1 ton tote	1 tote / pallet
50-55-1175 (international)	22.7 kg bags	44 bags / ISPM pallet

DISTRIBUTED BY:

## 16-4-8 120-Day Guaranteed Analysis

Total Nitrogen (N).....	16%
0.5% Ammoniacal Nitrogen*	
2.6% Nitrate Nitrogen*	
1.5% Water Insoluble Organic Nitrogen**	
11.2% Urea Nitrogen*	
0.2% Other Water Soluble Organic Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash (K <sub>2</sub> 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 mono-ammonium phosphate, ureaform, non-gmo corn gluten 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.

\*\*2.6% slow release nitrogen derived from aerobically composted turkey litter, ureaform and non-gmo corn gluten meal.

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