



# 16-4-8 180-DAY A TIME RELEASED 4-1-2 NUTRIENT PACKAGE

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

## **SUSTANE 16-4-8 NATURAL BASE + CONTROLLED RELEASE**

### **Description:**

Sustane 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% Sustane humus rich, premium natural base. Sustane 16-4-8 is perfect for the production of perennials and woody ornamentals. Nursery producers can use Sustane 16-4-8 to grow beautiful Azalea, Holly, Weigelia, Crape Myrtle, Cotoneaster, Boxwood, Spiraea, Salvia, Hibiscus, and Daylily.

Sustane 16-4-8 Nursery Fertilizer is available in both 180-day and 120-day release profiles to meet the needs of your production cycle. Sustane 16-4-8 Nursery Fertilizer is derived from aerobically composted turkey litter, polymer coated urea, polymer coated MAP, and polymer coated potassium nitrate.

### **Professional Grade**

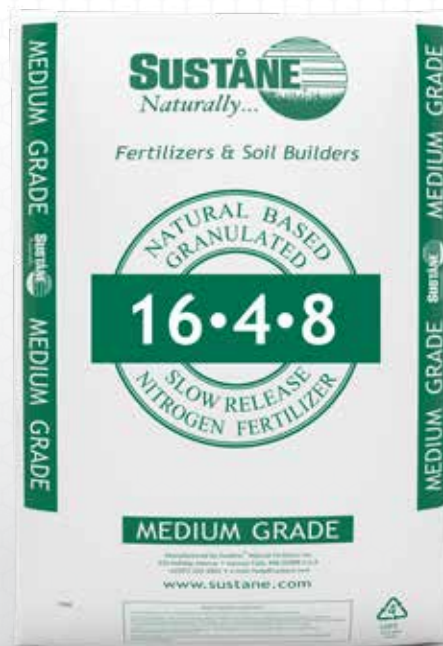
Sustane products are derived from biologically stable humus-rich compost and contain both water soluble nitrogen (WSN) and slow release nitrogen (SRN), beneficial microbiology, and all 17 elements essential for plant photosynthesis. With a near-neutral pH, a low salt index and low ammonium nitrogen percentage,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

180-210-DAY NUTRIENT  
RELEASE AT 70°F (21°C)

### **Benefits of 16-4-8 180-Day Organic + Controlled Release**

- Sustane 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 6-7 month nutrient release in containers
- Sustane 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

CONTAINER SIZE									
RATE	5" Std. (12.7 cm)	6" Std. (15 cm)	1 gallon (3.8 L)	2 gallon (7.6 L)	3 gallon (11.4 L)	5 gallon (19 L)	7 gallon (26.5 L)	10 gallon (37.9 L)	15 gallon (56.8 L)
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

**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.)	3.1
1 Tablespoon (Tbs.)	9.3
1 oz.	18.6
1/4 cup	37.2
1/2 cup	74.4
1 cup	148.8

### Med Grade, 200 SGN

Item #	Package Size	Units / Pallet
Sustāne 16-4-8 180-Day MEDIUM GRADE, SGN 200 (2.8 mm-1.4 mm)		
50-50-1111	50 lb. bags	40 bags / pallet
50-50-1151	1-ton tote	1-ton tote / pallet
50-50-1175 (international)	22.7 kg bags	44 bags / ISPM pallet

DISTRIBUTED BY:

### 16-4-8 180-Day Guaranteed Analysis

Total Nitrogen (N) .....	16%
0.2% Ammoniacal Nitrogen*	
1.8% Nitrate Nitrogen*	
2.6% Water Insoluble Organic Nitrogen**	
11.0% Urea Nitrogen*	
0.4% 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, hydrolyzed 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.

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

12062021