



12·12·12 90-DAY NURSERY, GREENHOUSE, & LANDSCAPE

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

SUSTANE® 12·12·12

NATURAL + COATED CONTROLLED RELEASE

Description:

Sustane 12-12-12 was developed as a combination fertilizer to provide all floral and nursery stock with a complete, balanced and controlled release nutrient package. Sustane 12-12-12 provides plant essential nutrients in both controlled release and slow release organic form by combining coated CRF with nutrient rich aerobically composted turkey litter. The Sustane organic 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 made from industry leading polymer coated urea, polymer coated mono-ammonium phosphate and polymer coated potassium nitrate. Nutrient release rates from Sustane 12-12-12 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.

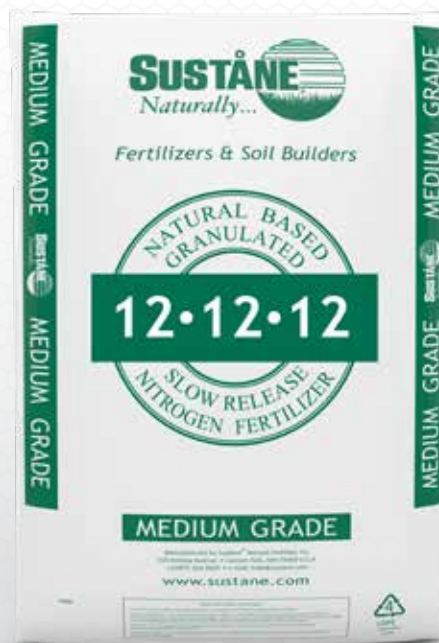
Professional Grade

Sustane Natural Fertilizer is backed by over 30 years of independent applied research on diverse crops and ecosystems. Unmatched by any other organic fertilizer manufacturer, such research is the foundation for developing products that deliver value under a wide variety of growing conditions. The superior performance of Sustane's products is recognized by growers from around the world.

NATURAL + COATED
CONTROLLED RELEASE FERTILIZER
90-DAY NUTRIENT
RELEASE AT 70°F

Sustane 12·12·12 CRF Benefits

- Sustane Natural Base + Controlled Release Fertilizers (CRF) are the new generation in environmentally friendly plant nutrition with minimal impact on the non-target environment
- 12-12-12 provides 12-week nutrient release in containers
- Sustane Organic+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 (1-1-1 ratio) of nursery industry standards
- Enhances soil-plant nutrient exchange increasing uptake efficiency
- Low burn potential, nutrients release gradually over time
- 12-12-12 supplies all primary, secondary and micronutrients required for complete plant photosynthesis



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	3	4	6	13	23	37	53	64	69
Med	6	10	15	33	56	90	117	155	167
High	8	15	23	49	86	138	200	238	255

CONTAINER MIX & LANDSCAPE APPLICATION RATES

Container Mix Rates by Volume					
lb. per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
4.5	8.5	14	2.6	5	8.3

Landscape Application Rates by Area					
lb. per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
8	16	25	3.9	7.8	12.2

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%).

12-12-12 BULK DENSITY

Rounded Measure	Grams
1 teaspoon (tsp.)	3.5
1 Tablespoon (Tbs.)	10.5
1 oz.	21
1/4 cup	42
1/2 cup	84
1 cup	168

Item #	Package Size	Units / Pallet
Sustāne 12-12-12		
MEDIUM GRADE, 200 SGN		
(2.8 mm - 1.4 mm)		
50-45-1111	50 lb. bags	40 bags / pallet
50-45-1151	1-ton tote	1 tote / pallet

DISTRIBUTED BY:

12-12-12 Guaranteed Analysis	
Total Nitrogen (N)	12%
2.3% Ammoniacal Nitrogen*	
2.9% Nitrate Nitrogen*	
1.3% Water Insoluble Nitrogen**	
5.3% Urea Nitrogen*	
0.2% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅).....	12%
Soluble Potash (K ₂ O)	12%
Calcium (Ca)	2%
Magnesium (Mg).....	0.5%
Sulfur (S).....	1.5%
Iron (Fe).....	0.2%
Manganese (Mn).....	0.05%
Derived from aerobically composted turkey litter, feather-meal, sulfate of potash, polymer coated mono-ammonium phosphate, polymer coated potassium nitrate and polymer coated urea.	
*10.3% controlled release nitrogen derived from polymer coated urea, polymer coated potassium nitrate and polymer coated mono-ammonium phosphate.	
**1.3% slow release nitrogen derived from aerobically composted turkey litter and feather meal.	

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