



**SUSTANE**  
Naturally

**8-2-4**  
**ALL NATURAL SLOW**  
**RELEASE NITROGEN FERTILIZER**

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

## **SUSTANE® 8-2-4 GRANULAR**

Sustane 8-2-4 natural and organic fertilizer which provides a balanced feed that promotes a rapid and vigorous vegetative establishment with 6 - 12 weeks of nitrogen in the organic slow-release form. Sustane replenishes the soil with a rich supply of humus (stabilized organic matter) and all of the primary, secondary and minor nutrients essential for quality growth. Sustane 8-2-4 provides a combination of dense plant nutrients and organic substances derived from biologically stable compost plus natural sulfate of potash and feather meal.

### **Description:**

Great for specialty crop production in high-quality soils or potting mixes. Sustane 8-2-4 provides a safe, simple, and cost-effective feeding solution for cannabis. 8-2-4 provides balanced nutrition from seed through harvest. Sustane 8-2-4 is the perfect fertilizer for when you need significant quantities of organic slow-release nitrogen with low burn potential.

### **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.

**NUTRIENT DENSE AND  
WELL-BALANCE GRANULAR,  
FORMULATED FOR STRONG  
VEGETATIVE GROWTH**

### **Benefits of Sustane 8-2-4 All Natural, Slow-Release Nitrogen Fertilizer**

- Formulated to deliver a optimal mix of macronutrients
- Supplies a balanced mix of Ca, Mg, and all essential micronutrients needed to support plant growth
- Adds cation exchange capacity, 6% humic acid, chelated micronutrients for improved nutrient use efficiency
- Increases the nutrient and water holding capacity of the soil
- Enhances plant stress tolerance in any environment or soil type
- Formulated with aerobic compost to support natural soilborne disease suppression
- Supports soil particle aggregation, increasing permeability and nutrient cycling
- Improves soil health

### **Safe for Plants, People and the Environment**

- Can be applied at higher N rates than other organic fertilizers
- Manufactured by Sustane in the USA at an EPA-permitted composting site and OMRI-approved manufacturing process.
- Fully tested and compliant the Food Safety Modernization Act requirements for fresh fruit and vegetable production
- Approved for certified organic production and export to over 60 countries world wide.
- Formulated for high nutrient use efficiency and reduced risk of nutrient run off
- The most effective organic fertilizer available



For medical or recreational marijuana grow programs, see the Sustāne Cannabis brochure.

## PROVEN INDUSTRIAL HEMP FERTILIZATION PROGRAMS

1. Broadcast and incorporate Sustāne granules into soil prior to planting
2. On fertile, well managed organic soils, use 1000 lb. of Sustāne 8-2-4 per acre to produce solid yields
3. Where soil P is low, use Sustāne 3-7-4 to improve soil quality and deliver all essential nutrients
4. Use Sustāne Compost Tea (with or without Hi-N WDF) to improve drought stress tolerance and increase yields



EXAMPLE HEMP FERTILITY PROGRAMS			
Crop Type	Application	Products*	Rate
Organic Seed/Fiber	Pre-plant incorporation on day of seeding	8-2-4 Granular	800-1600 lb. per acre
Organic CBD	Pre-plant incorporation immediately before bed formation	8-2-4 Granular	1000 to 2000 lb. per acre
	Supplementation during transplanting	8-2-4 Granular	1/8 to 1/4 cup per transplant
	Fertigation during flowering	4-6-4 Compost Tea	100 gal per acre
	Fertigation during flowering	Hi-N WDF	2 lb. in 100 gal per acre

### 8-2-4 BULK DENSITY

ROUNDED MEASURE	WEIGHT GRAMS
1 teaspoon	2.8
1 Tablespoon	8.5
1/4 cup	34
1/2 cup	68
1 cup	136

## Coverage

50 lb. covers 4000 ft<sup>2</sup> @ 1 lb. N per 1000 ft<sup>2</sup> (44 lb<sup>2</sup> N per acre)  
 22.67 kg covers 372 m<sup>2</sup> @ 0.5 kg N per 100 m<sup>2</sup> (50 kg N per Ha)  
 12.5 lb. per 1000 ft<sup>2</sup> / 6.25 kg per 100 m<sup>2</sup>

## Potting and Container Mix Soils

8-2-4 is recommended in all types of potting mixes. Incorporate up to the day of planting based on plant need, watering regime and pottin mix recipe. Use 6 lb. (low rate) 10 lb. (medium rate), or 15 lb. per cubic yard (high rate). Incorporate and topdress during the vegetative stage of cannabis. See *Sustāne Cannabis brochure* for details.

## Garden Beds

Use in ground or raised bed gardens. Broadcast and incorporate 6 to 12 lb. per cubic yard of soil up to the date of planting. Side dress during the growing season, gently raking in granules to assure good soil contact.

Item #	Package Size	Units / Pallet
<b>Sustāne 8-2-4 FINE GRADE SGN 100</b> (1.4 mm - 0.6 mm)		
30-55-1311	50 lb. bags	40 bags / pallet
30-55-1351	1-ton tote	1 tote / pallet
30-55-1375 (international)	22.7 kg bags	44 bags / ISPM pallet

<b>MEDIUM GRADE SGN 200</b> (2.8 mm - 1.4 mm)		
30-55-1111	50 lb. bags	40 bags / pallet
30-55-1151	1-ton tote	1 tote / pallet
30-55-1175 (international)	22.7 kg bags	44 bags / ISPM pallet



### 8-2-4 Guaranteed Analysis

Total Nitrogen (N).....	8%
0.8% Ammoniacal Nitrogen	
0.8% Other Water Soluble Nitrogen	
6.4% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca).....	2%
Magnesium (Mg).....	0.5%
0.01% Water Soluble Magnesium (Mg)	
Sulfur (S).....	1%
Iron (Fe).....	0.1%
Derived from aerobically composted turkey litter, feather meal, and sulfate of potash.	
*6.4% slowly available nitrogen from aerobically composted turkey litter and feather meal	

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

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