



**Known Worldwide**  
*For Being Simply*  
**the Best...**  
**Natural Fertilizers**  
**& Soil Builders**

**Recommended Use:**

*Certified for use in organic crop production, rapid vegetative establishment, erosion control, wetlands and burn area reestablishment, mine site reclamation, oil/gas remediation, and highway roadside establishment. Sustane 8-2-4 is the perfect fertilizer for greenhouse bedding plants and annuals establishment. (Please see recommended application rates in the Sustane Natural Base Fertilizers for Nursery, Greenhouse & Landscape technical brochure.)*

**Description:**

*Sustane 8•2•4 All Natural Fertilizer promotes a rapid rate of vegetative establishment. Quick ground cover minimizes soil erosion and the need for repairs or re-seeding. 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 is derived from biologically stable compost plus natural potash and feathermeal.*

# 8•2•4 SUSTANE®

## ALL NATURAL SLOW RELEASE NITROGEN FERTILIZER



**Benefits of Sustane® 8•2•4**

- Adds approximately 10% humates by weight
- Increases microbial diversity index in soils
- Increases the nutrient and water holding capacity of the soil
- Enhances plant stress tolerance in any environment or soil type
- Provides greater root development
- Sustane 8-2-4 buffers soil pH
- Supplies plant available Calcium and all secondary elements
- Increases the soil's ability to suppress plant pathogens
- Builds soil through particle aggregation, increasing permeability and nutrient cycling

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

- Manufactured by Sustane in the USA at an EPA-permitted composting facility.
- Pathogen, contaminant and weed free, Sustane contains no blood, guts, bone or animal meat meal byproducts. Sustane contains no pelletized chicken manure, sewage sludge or industrial waste materials.
- Sustane 8-2-4 is rich in microbial diversity and humic substances that are part of the natural cycling of plants and nutrients in all soils.
- Sustane all-natural 8-2-4 is high nitrogen organic 4-1-2 ratio, rich in humic substances. Easy to apply and predictable every time. The most effective organic fertilizer available

# Sustâne® 8·2·4

ALL NATURAL

## PRODUCT SPECIFICATIONS

### Land Management, Native Restoration & Erosion Control Programs\*\*

#### Hydroseeding

Mix with water solution at a ratio of 2 lb. Sustâne 8-2-4 to 1 gallon of water 1 ton per 1,000 gallon tank

For 44 lb. of N per acre apply 550 lb.

For 90 lb. of N per acre apply 1100 lb.

For 130 lb. of N per acre apply 1700 lb.

#### Soil Preparation

- Light, High Sandy Soil:  
3 lb. per 100 square feet of bed
- Medium, Clay Loam Soil  
2 lb. per 100 square feet of bed
- Heavy, Silty, Clay Loam  
1 lb. per 100 square feet of bed

#### Fertilizer Maintenance for Large Trees

Once trees have become well established, apply Sustâne into holes punched into the ground within tree crown drip line. Once the tree has developed a 4-6 inch diameter, increase application rate to 0.75 lb. of Sustâne per inch of tree trunk diameter.

\*\*NOTE: Adjust fertilizer program for local conditions and requirements.

### Potting Soils

8-2-4 is recommended for potting soils, annuals and vegetables.

Incorporate at 6 lb. (low rate) 10 lb. (medium rate) or 15 lb. per cubic yard (high rate). See Sustâne Professional Nursery, Greenhouse & Landscape bulletin.

### Coverage

50 lb. covers 4000 ft<sup>2</sup> @ 1 lb. N per 1000 ft<sup>2</sup> (44 lb. 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 hectare)

12.5 lb. per 1000 ft<sup>2</sup>

6.2 g per 1 m<sup>2</sup>

### Crop Applications:

Crops	Timing	Appl. Method	cups/100 ft <sup>2</sup>	lb./1000 ft <sup>2</sup>	lb./acre
Apples/fruit trees	annual	broadcast	1 lb. per 1" tree dia	1 lb. per 1" tree dia	1 lb. per 1" tree dia
Brassicas*	at transplant & 4 leaf stage	broadcast	1.4	4.6	200
	2 wk. pre-crown set	sidedress	2.6	8.6	375
Carrots	at planting & 4wks pre-harvest	sidedress	0.7	2.3	100
Curcubits (all vine crops)	post plant	in row	4	13.8	600
Garlic	apply 3x per season	sidedress	0.8	2.6	113
Grasses/Forages	preplant	broadcast	3.8	12.7	550
	post emerge	broadcast	8.6	28.7	1250
Legumes	preplant	broadcast	3	10	440
Lettuce-high density (12-18")	at transplant & after 2 wks	sidedress	7.8	25.8	1125
Lettuce-low density (30")	at transplant & after 2 wks	sidedress	4	12.9	563
Onions	at transplant & at 10" ht.	sidedress	0.8	3.2	140
Peppers	at transplant & pre-blossom	sidedress	1.2	4	175
Potatoes	at seeding	direct on row	5.7	19	825
Raspberries, year 1	at transplant	banded on row	2.8	9.2	400
Raspberries, year 2	spring application	broadcast over row	1	3.5	150
Small Grains	at seeding	direct with seed	0.3	1.0	44
Strawberries, year 1	at transplant & pre-runner	in row	1.7	5.8	250
Strawberries, year 2	at dormancy break	broadcast over row	1.0	3.5	150
Sweet Corn, early	at planting	starter	2.8	9.2	400
	at layby	sidedress	1.4	4.6	200
Sweet Corn, mid-season	at planting	sidedress	2.8	9.2	400
Squash, hollow stem	pre or post plant	broadcast	3.5	11.5	500
Tomatoes	at transplant	sidedress 3-4" away	8.6	28.7	1250

\*Includes broccoli, cauliflower, cabbage, kale, Chinese cabbage, bok choy, and mustard greens.

### Guaranteed Analysis

Total Nitrogen (N)	8%
0.4% Ammoniacal Nitrogen	
0.4% Water Soluble Organic Nitrogen	
7.2% Water Insoluble Organic Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	2%
Soluble Potash (K <sub>2</sub> O)	4%
Calcium (Ca)	2%

Derived from aerobically composted turkey litter, feather meal, and sulfate of potash.

\*7.2% slowly available nitrogen from aerobically composted turkey litter and feather meal

### Total Plant Nutrition

Magnesium	0.56%	Sulfur	1.85%
Molybdenum	0.03%	Iron	0.42%
Boron	0.03%	Manganese	0.04%
Humic Acid	10%	Zinc	0.03%
Organic Matter	65%	pH	6.8
Carbon:Nitrogen(C:N)	4.1	Bulk Density lb./cu. ft	36 lb.
Salt Index (scale 1-100)	4		
C.E.C. Cation Exchange Capacity	104 meq/100 g		
% of Total N as Slow Release	90%		

### Available particle sizes:

Medium Grade, 200 SGN (2.8 mm - 1.4 mm)  
Fine Grade, 100 SGN (1.4 mm - 0.6 mm)

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[www.sustane.com](http://www.sustane.com) Made in the USA

