



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

Recommended Use:

Certified for use 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
- Helps build soil through particle aggregation and biological diversity for better roots, 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

Sustane® 8·2·4

ALL NATURAL

PRODUCT SPECIFICATIONS

Land Management, Native Restoration & Erosion Control Programs**

Hydroseeding

Mix with water solution at a ratio of 2 lbs. Sustane 8-2-4 to 1 gallon of water 1 tons per 1,000 gallon tank

For 44 lbs. of N per acre apply 550 lbs

For 90 lbs. of N per acre apply 1100 lbs

For 130 lbs. of N per acre apply 1700 lbs

Soil Preparation

- Light, High Sandy Soil:
10 lb. per 100 square feet of bed
- Medium, Clay Loam Soil
8 lb. per 100 square feet of bed
- Heavy, Silty, Clay Loam
5 lb. per 100 square feet of bed

Fertilizer Maintenance for Large Trees

Once trees have become well established, apply Sustane 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 Sustane 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 Sustane Professional Nursery, Greenhouse & Landscape bulletin.

Coverage

50 lbs. covers 4000 sq. ft. @ 1 lb N per 1000 sq. ft. (44 lbs. N per acre)

22.67 kg. covers 372 sq. meters @ 0.5 kg. N per 100 sq. meters (50 kg. N per hectare)

12.5 lbs. per 1000 sq. ft.

6.2 g. per 1 sq. m.

Crop Applications:

| Crops | Timing | Appl. Method | Cup/100 Sq. Ft. | Lb./1000 Sq. Ft. | Rate 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 ₂ O ₅) | 2% |
| Soluble Potash (K ₂ O) | 4% |
| Calcium (Ca) | 2% |

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

*7.2% slowly available nitrogen from aerobically composted turkey litter and hydrolyzed 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 | 10.0% | Zinc | 0.03% |
| Organic Matter | 65.0% | 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/cm | | |
| % of Total N as Slow Release | 90% | | |

Available particle sizes:

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

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