



# 4-6-4

## ORGANIC FRUIT AND FLOWER PLANT FOOD

4-6-4 ORGANIC FERTILIZER DELIVERS A BALANCE OF NUTRIENTS, HUMATES, COMPOST-DERIVED MICROBIOLOGY AND SLOW RELEASE NITROGEN IN AN EASY-TO-SPREAD HOMOGENOUS GRANULE

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

### SUSTANE® 4-6-4 GRANULAR

#### Recommended Use

Sustane 4-6-4 is an organic slow release starter fertilizer and soil builder for all types of plants. Sustane 4-6-4 is the ideal application for general feeding of vegetables, roots, herbs, fruits, and flowers. Allowed for use in the production of certified organic crops. Trusted by nurserymen, master gardeners, farmers, and professional growers around the world.

#### Description

Sustane 4-6-4 is an all natural, compost-based organic starter and maintenance fertilizer. It replenishes the soil with a rich supply of humus and all plant essential nutrients. Sustane 4-6-4 provides a balanced mix of slow release nitrogen and other nutrients derived from biologically stable compost, natural potash, and feathermeal.

#### 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 products is recognized by growers from around the world.

#### Benefits of Natural Organic 4-6-4

- Adds approximately 5% humates by volume, increasing cation exchange and organic matter
- Increases nutrient and water holding capacity of the soil, strengthening plant tolerance to hot dry conditions
- Promotes healthy root development
- Improves buffering against changes in soil pH
- Increases the soil's ability to suppress plant pathogens
- Increases soil aggregate stability, porosity, and quality for greater root development and water holding capacity

#### Safe for Plants, People & the Environment

- Manufactured by Sustane in the USA at an EPA permitted facility
- Pathogen and weed seed free
- Derived from aerobically composted materials, so it won't attract insects or rodents to the application site
- Contains compost-based microorganisms to help replenish life in poor soils
- Fully tested and compliant with the national organic standards and the Food Safety Modernization Act requirements for fresh fruit and vegetable production



## SPECIFIC PLANT APPLICATIONS:

Crops	Timing	Appl. Method	cups/100 ft <sup>2</sup>	lb./1000 ft <sup>2</sup>	lb./acre
Small Grains	at seeding	in furrow	n/a	1	50
Soybeans	at seeding	in furrow	n/a	1	40
Field corn	at seeding	in furrow	n/a	2	100
Apples/fruit trees	annual	broadcast	4.5	15	600
Brassicas*	preplant	incorporate	3	10	400
	3 wk. pre-crown set	sidedress	6	20	800
Carrots	preplant & 4wks later	topdress	1.5	5	200
Curcubits (all vine crops)	preplant	incorporate	9	30	1200
Garlic	apply 3x per season	topdress	1.5	5	200
Legumes	preplant	incorporate	6	20	800
Lettuce (head)	preplant	incorporate	6	20	800
	3 wk post transplant	sidedress	9	30	1200
Onions	at transplant & 10" ht.	topdress	3	10	400
Peppers and Tomatoes	preplant	incorporate	4.5	15	600
	3 wk post transplant	sidedress	4.5	15	600
Potatoes	at seeding	direct on row	9	30	1200
Sweet Corn	preplant	starter	3	10	400
	sidedress	sidedress	4.5	15	600
Raspberries, year 1	at transplant	banded on row	6	20	800
Raspberries, year 2+	spring application	sidedress	9	30	1200
Strawberries, year 1	at transplan/pre runner	in row	7.5	25	1000
Strawberries, year 2+	at dormancy break	topdress	12	40	1600
Flowers	pre or post plant	broadcast	8	30	1200
Tomatoes	at transplant	sidedress 3-4" away	17.2	57.4	2500

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



### 4-6-4 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

**Sustāne 4-6-4 Natural & Organic Fruit and Flower Plant Food** is a slow-release nitrogen fertilizer made from biologically stable compost and other natural and organic ingredients. This product is recommended for use on both annual and perennial vegetables, fruits, flowers as well as in landscape beds, and potting soil mixes.

**Usage and Application Rates:** For best results, water after application. Application rates vary based on soil conditions, plant species and desired rate of growth. It is recommended to have soil tested prior to applying any fertilizers.

**New Garden Bed Preparation:** Apply 1 cup of Sustāne for every 10 ft<sup>2</sup> of bed space or 3 lb. per 100 ft<sup>2</sup> (126 grams per m<sup>2</sup>). Incorporate into the top 4" (10 cm) of soil.

**Vegetable Garden Rows:** Apply 1 cup of Sustāne for every 10 ft of row length (45 grams per m).

**Transplants and Established Plants:** Apply ¼ cup of Sustāne into the hole prior to planting transplants. For established plants, topdress and work ¼ cup into the top 2"- 4" (5 - 10 cm) of soil around the base of the plant. Application rates for specific plants are available at [www.sustane.com](http://www.sustane.com).

**Soil Mixes and Potted Plants:** Incorporate Sustāne into the potting mix at a rate of 2 cups per cubic foot of mix (12 grams / cubic liter).

**Coverage:** 20 lb. covers 1,000 ft<sup>2</sup>. at 0.67 lb. of nitrogen per 1,000 ft<sup>2</sup>.

### 4-6-4 Guaranteed Analysis

Total Nitrogen (N).....	4%
0.4% Ammoniacal Nitrogen	
0.4% Other Water Soluble Nitrogen	
3.2% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	6%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca).....	4%
Magnesium (Mg).....	0.75%
Sulfur (S).....	1%
Iron (Fe).....	0.25%

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

\*3.2% 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.aapfco.org/metals.html>

Item #	Package Size	Units / Pallet
<b>Sustāne 4-6-4 MEDIUM GRADE</b>		
200 SGN (2.8 mm - 1.4 mm)		
80-20-1105	5 lb. bags	8 bags case, 42 cases/ pallet
80-20-1121	20 lb. bags	100 bags / pallet