



# SUSTANE

Naturally...

# 4-6-4

## ORGANIC FERTILIZER FOR LANDSCAPE USE

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

### SUSTANE® 4-6-4 GRANULAR

#### FASTEST STARTER AVAILABLE

##### Recommended Use

All purpose organic fertilizer for landscaped areas. Ideal for turf establishment grow in, over seeding, and sod installations. Used by professional landscape managers around the world.

Sustane 4-6-4 is a 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 landscapers from around the world.

4-6-4 DELIVERS  
A BALANCE OF NUTRIENTS,  
HUMATES, COMPOST-DERIVED  
MICROBIOLOGY AND  
SLOW RELEASE NITROGEN

#### Benefits of Natural and 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 against abiotic stress
- 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

#### Landscapers' Choice

Professional landscapers have turned to Sustane 4-6-4 for use on high maintenance turf and landscaped environments. While synthetic fertilizers supply plant growth nutrients, they do not supply the organic matter required to maintain quality growth. Using fully composted natural fertilizers increases the levels of beneficial microbial activity, which in turn convert nutrients into plant available forms.

#### Turf Establishment

Turf establishment accelerates with 4-6-4 All Natural Organic Fertilizer from Sustane. A complete package containing Slow Release Nitrogen, chelated micronutrients, organic phosphorous and humic substances. Sustane 4-6-4 has been demonstrated time and again to surpass synthetic turf starter fertilizers and other sources of humates and plant biostimulants.





## APPLICATIONS AND RATES

### Coverage

50 lb. covers 2000 ft<sup>2</sup> @ 2 lb. N per 1000 ft<sup>2</sup> (44 lb. N per acre)  
 22.67 kg covers 186 m @ 0.5 kg N per 100 m<sup>2</sup> (50 kg N per ha)  
 25 lb. per 1000 ft<sup>2</sup> (12.5 kg per 100 m<sup>2</sup>)

### Soil Preparation For Flower & Shrub Beds

Light, High Sandy Soil: 6 lb. per 100 ft<sup>2</sup> of bed (30 kg per 100m<sup>2</sup>)  
 Medium, Clay Loam Soil: 4 lb. per 100 ft<sup>2</sup> of bed (20 kg per 100m<sup>2</sup>)  
 Heavy, Silty, Clay Loam: 2 lb. per 100 ft<sup>2</sup> of bed (10 kg per 100m<sup>2</sup>)

Landscape & Flower Application Rates by Area					
lb. per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
18	36	56	8.8	17.6	27.4



### Container Topdressing Application Rates in grams

Rate	Container Size				
	5" Std.	6" Std.	1 gallon	2 gallon	3 gallon
Low	6	12	14	30	56
Med	14	26	38	78	134
High	20	36	56	118	208

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

### Fertilizer Maintenance for Large Trees

Once trees have become well established, apply Sustāne 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 1 lb. of Sustāne per inch of tree trunk diameter.

\*NOTE: ADJUST FERTILIZER PROGRAM FOR LOCAL CONDITIONS AND REQUIREMENTS.

### Storage

Store in a cool, dry place. Do not expose to moisture or extreme temperatures.

Item #	Package Size	Units / Pallet
<b>Sustāne 4-6-4</b>		
<i>FINE GRADE, 100 SGN (1.4 .mm - 0.6 mm)</i>		
30-20-1311	50 lb. bags	40 bags / pallet
30-20-1351	1-ton tote	1 tote / pallet
30-20-1375 (international)	22.7 kg bags	44 bags / ISPM pallet
<i>MEDIUM GRADE, 200 SGN (2.8 mm - 1.4 mm)</i>		
30-20-1111	50 lb. bags	40 bags / pallet
30-20-1151	1-ton tote	1 tote / pallet
30-20-1175 (international)	22.7 kg bags	44 bags / ISPM pallet

### 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%
<i>Derived from aerobically composted turkey litter, feather meal, bone meal, and sulfate of potash.</i>	
*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>