



4-6-4 ORGANIC PLANT ESTABLISHMENT FERTILIZER

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

SUSTANE® 4-6-4 GRANULAR

FASTEST STARTER AVAILABLE

Recommended Use

Sustane 4-6-4 fertilizer is a standard organic vegetation starter for low P soils. Sustane 4-6-4 is an organic slow release fertilizer and soil builder for plant establishment in environmentally sensitive areas and depleted soils. Suitable for revegetation projects, rapid vegetative establishment, erosion control, wetlands and watershed areas, native plant areas, dune and beach restoration, burn area reestablishment, mine site reclamation, oil/gas/coal right of ways and pipelines, highway roadside establishment, protected natural areas, forests, parks and landscapes.

Sustane 4-6-4 is specifically formulated to be gentle on plants, making it a go-to fertilizer for spreading with seed and applying to seedlings. It restores quality growth for native prairie grasses and forbs for quick ground cover, minimizing soil erosion and the need for repairs or re-seeding.

Sustane 4-6-4 works by replenishing the soil with a rich supply of humus (stabilized organic matter) and the essential nutrients required for sound and long term fertility programs. Sustane 4-6-4 provides a combination of slow release nutrients and organic substances that improve soil health. Derived from biologically stable compost plus natural potash and feathermeal.

Professional Grade

Sustane Natural Fertilizer is backed by over 30 years of independent applied research on diverse crops and ecosystems. The superior performance of Sustane products is recognized by growers from around the world.

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

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 soil's ability to suppress plant pathogens
- Increases soil aggregate stability, porosity, and quality for greater root development and water holding capacity
- Suitable for arid and saline soils, lowers transportation and application costs
- Provides primary and secondary (macro and micro) nutrients necessary for plant growth

Safe for Plants, People and the Environment

- Manufactured by Sustane in the USA at an EPA permitted facility
- Pathogen and weed free
- Contains no pharmaceutical waste
- Allowed for export to over 60 countries world wide.
- 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



LAND MANAGEMENT, NATIVE RESTORATION & EROSION CONTROL PROGRAMS**

Final fertilizer recommendations should be based on laboratory soil tests and specific site conditions including but not limited to aspect and slope. Use higher rates for soils low in organic matter, high in salts or pH, and on steep and southern facing slopes.

Coverage

- 50 lb. covers 2000 ft² @ 2 lb. N per 1000 ft² (44 lb. N per acre)
- 22.67 kg covers 186 m² @ 0.5 kg N per 100 m² (50 kg N per hectare)
- 25 lb. per 1000 ft² / 125 g per 1 m²

Hydroseeding

- Mix with water solution at a ratio of 4 lb. Sustāne 4-6-4 to 1 gallon of water or 2 tons per 1,000 gallon tank
- For 44 lb. of N per acre apply 1100 lb.
- For 88 lb. of N per acre apply 2200 lb.

Soil Preparation

- Light, High Sandy Soil: 6 lb. per 100 ft² of bed (30 kg per 100m²)
- Medium, Clay Loam Soil: 4 lb. per 100 ft² of bed (20 kg per 100m²)
- Heavy, Silty, Clay Loam: 2 lb. per 100 ft² of bed (10 kg per 100m²)

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 1.5 lb. of Sustāne per inch of tree trunk diameter.

***NOTE: ADJUST FERTILIZER PROGRAM FOR LOCAL CONDITIONS & REQUIREMENTS.*

Storage

Store in a cool, dry place. Do not expose to moisture or extreme temperatures. For best results, use by expiration date printed on label.

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

Item #	Package Size	Units / Pallet
Sustāne 4-6-4		
<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	50 lb. bags	44 bags / ISPM pallet
<i>MEDIUM GRADE, 200 SGN (2.8 mm - 1.4 mm)</i>		
30-20-1175	50 lb. bags	40 bags / pallet
30-20-1151	1-ton tote	1 tote / pallet
30-20-1175	50 lb. bags	44 bags / ISPM pallet

DISTRIBUTED BY:



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 ₂ O ₅)	6%
Soluble Potash (K ₂ 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	

Total Plant Nutrition			
Magnesium	1.00%	Copper	0.05%
Sulfur.....	3.00%	Molybdenum	0.05%
Iron.....	0.50%	Boron.....	0.05%
Manganese	0.05%	Organic Matter	50%
Zinc	0.05%	Carbon:Nitrogen(C:N) ...	4:1
pH	6.8		
Bulk Density.....	36 lb./ft ³		
C.E.C. Cation Exchange Capacity	104 meq/100 g		
% of Total N as Slow Release	80%		