

# SUSTANE

*Naturally...*



5 • 2 • 4



MEDIUM GRADE

Net Weight 50 lb (22.67 kg)

[www.sustane.com](http://www.sustane.com)

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5 • 2 • 4 | ALL NATURAL SLOW RELEASE NITROGEN FERTILIZER

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## SUSTANE:

Since 1987, Sustane has been proud to be a part of the global movement toward a more sustainable world: better land management; protection of our waters; saving and rebuilding soils; improving crop yields; helping professional growers, home gardeners, and communities alike - all through the utilization of recycled, renewable, natural resources.

Sustane Natural Fertilizers are supported by over 25 years of independent research. This is why professional growers worldwide trust in Sustane for the production of certified organic crops, establishment and maintenance of high quality sports fields, help in stabilizing soils with new vegetation in environmentally sensitive areas, to produce beautiful vegetable gardens and ornamental landscapes and establish and maintain high quality turfgrass.

Sustane 5-2-4 is a slow-release nitrogen fertilizer made from biologically stable compost, natural sulfate of potash and feather meal.

This product is recommended for use on vegetables, fruits, flowers and landscape beds, tree and shrub establishment, in potting soil mixes and for use as a turfgrass fertilizer.

### Warm Season Turf

**Athletic Fields, Golf Courses, Parks and Lawncare:**

Apply 5-8 times per year at a rate of 20 lb per 1,000 ft<sup>2</sup> or 100 g per 1 m<sup>2</sup> per application.

### Cool Season Turf

**Athletic Fields, Golf Courses, Parks and Lawncare:**

Apply 3-4 times per growing season. Spring and Fall rate: 20 lb per 1,000 ft<sup>2</sup> or 100 g per m<sup>2</sup> per application. Summer rate: 15 lb per 1,000 ft<sup>2</sup> or 75 g per 1 m<sup>2</sup> per application.

### Turf Establishment:

Pre-plant: Broadcast and incorporate into top 4 in (5 cm) of soil 40 lb per 1,000 ft<sup>2</sup> or 1,760 lb per acre 200 g per m<sup>2</sup> or 2,000 kg per hectare Post-plant (30-45 days): Broadcast and water in 20 lb per 1,000 ft<sup>2</sup> or 880 lb per acre 100 g per m<sup>2</sup> or 1,000kg per hectare.

### Overseeding:

Apply 20 lb per 1,000 ft<sup>2</sup> or 100 g per m<sup>2</sup>

### Hydroseeding:

Apply 400 to 3,000 lb per acre or 450 to 3,580 kg per hectare

NOTE: Adjust fertilizer program for local conditions and requirements.

### General Coverage:

50 lb covers 2,500 ft<sup>2</sup> @ 1 lb N per 1,000 ft<sup>2</sup>. 880 lb per acre provides 44 lb N per acre. 22.67 kg covers 227 m<sup>2</sup> and 100 covers 1 m<sup>2</sup>@ 0.5 kg N per 100 m<sup>2</sup>. 1,000kg per hectare provides 50 kg N per hectare.

### Spreader Settings (walk behind)\*:

Scotts LawnPro – 7\*\*

Scotts Professional – N\*\*

Scotts Accupro 2000 – M ½\*\*\*

\*Make two passes at each setting. Each pass is a 5 ft (1.5 m) wide interval.

\*\*For 12.5 lb per 1,000 ft<sup>2</sup> (62.5 g per m<sup>2</sup>)

\*\*\*For 8.2 lb per 1,000 ft<sup>2</sup> (40 g per m<sup>2</sup>)

\*Spreader Settings: may vary due to walking speed and ground conditions

### El cesp ed en temporada c alida

**Campos deportivos, campos de golf, parques y cuidado del cesp ed:**

Colocar 5-8 veces al a o en una proporci on de 20 libras por 1,000 pies<sup>2</sup> o 100 g por 100 m<sup>2</sup> por colocaci on.

### El cesp ed en temporada fria

**Campos deportivos, campos de golf, parques y cuidado del cesp ed:**

Colocar 3-4 veces por temporada de crecimiento. Proporci on para la primavera y el oto o: 20 libras por 1,000 pies<sup>2</sup> o 100 g por 100 m<sup>2</sup> por cada aplicaci on. Proporci on de verano: 15 libras por 1,000 pies<sup>2</sup> o 74 g por 100 m<sup>2</sup> por aplicaci on.

### Establecimiento de cesp ed:

Antes de plantar: Esparcir e incorporar en las 4 pulgadas (5 cm), de la parte superior del suelo. 40 libras por 1,000 pies<sup>2</sup> o 1,760 libras por acre. 200 g por m<sup>2</sup> o 2,000 kg por hect area.

Despu es de plantar: Colocar otra capa, una vez, cada 30-45 d as. Esparcir y regar en 20 libras por 1,000 pies<sup>2</sup> o 880 libras por acre (100 g por m<sup>2</sup> o 1,000 kg por hect area).

### Esparcir la semilla una vez m as:

Colocar 20 libras por 1,000 pies<sup>2</sup> o 100 g por m<sup>2</sup>.

**Esparcir la semilla con agua:** Colocar de 400 a 3,000 libras por acre o 450 a 3,580 kg por hect area.

NOTE: Adaptar el programa de fertilizante para las condiciones y requerimientos locales.

### Covertura general:

50 libras cubre 2,500 pies<sup>2</sup> a una proporci on de 1 libra de Nitr geno por 1,000 pies<sup>2</sup>. 880 libras por acre proporciona 44 libras de Nitr geno por acre. 22.67 kg cubre 227m<sup>2</sup> y 62.5 g cubre 1 m<sup>2</sup> en una proporci on de 0.5 kg de Nitr geno por 100 m<sup>2</sup>. 1,000kg por hect area proporciona 50 kg de Nitr geno por hect area.

## General Guidelines for Garden, Nursery and Landscape Applications

**Low Rate:** Recommended for salt sensitive species or when applied to heavy, silty clay loam soils or heavy potting substrates (total porosity less than 65%).

**Medium Rate:** Recommended for use on medium feeding species or when applied to medium, clay loam soils and most potting substrates (total porosity 65 to 80%).

**High Rate:** Recommended for use on heavy feeding species or when applied to light, sandy soil or light, porous substrates (total porosity greater than 80%).

### Container Topdressing Application Rates in grams

Rate	Container Size				
	5" Std.	6" Std.	1 gal	2 gal	3 gal
Low	5	10	15	30	45
Med	10	20	30	60	120
High	15	30	45	90	180

### Greenhouse & Nursery Container Mix Rates

Container Mix Rates by Volume					
lb per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
9	16	24	5.3	9.4	14.2

### Landscape & Flower Application Rates by Area

lb per 1,000 square feet			kg per 100 square meter		
Low	Med	High	Low	Med	High
15	30	45	7.7	14	22

### Seed Starting/Bedding Plants Rates by Volume

Mix Rates by Volume					
lb per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
6	9	13	3.8	5.8	7.5

### Vegetable Gardens Application Rates by Area\*

Plant	tblsp / ft <sup>2</sup>	lb / 100 ft <sup>2</sup>	g / m <sup>2</sup>
Tomatoes	2	4.6	224
Lettuce	2	4	195
Cucumbers	1	2.2	107
Peppers	.33	.67	32

\*Visit [www.sustane.com](http://www.sustane.com) for rates for other specific crops.  
\*Adjust to higher rates for areas with higher plant densities.

### Amending Landscape Soil Beds:

Scratch or work Sustane into the top 2 to 4 in (5 to 10 cm) of the soil prior to planting. Reapply at 45 days, spreading evenly over the bed surface.

**Reparaci on de una extensi on del terreno:** Preparar o colocar Sustane en la superficie de 2 a 4 pulgadas (5 a 10 cm) del suelo antes de plantar. Repetir a los 45 d as, esparciendo uniformemente sobre la superficie de la extensi on del suelo a trabajar.

### Fertilizing Shrubs and Trees:

Apply ¼ cup of Sustane for plants with a 2 ft diameter canopy (120 cm<sup>2</sup> for 60 cm diameter canopy). Increase rates by ¼ cup for every additional 6 in of canopy spread (120 cm<sup>2</sup> per 15 cm). Apply at planting or in the spring and fall for established trees and shrubs.

**Fertilizaci on de  rboles y arbustos:** Colocar ¼ de taza de Sustane para plantas que tienen una copa de 2 pies de di metro y de ancho (120 cm<sup>2</sup> por 60 cm de di metro). Aumentar las proporciones, con ¼ de taza, por cada 6 pulgadas m as del tama o de la copa (120 cm<sup>2</sup> por 15 cm). Colocar fertilizante al plantar en la primavera, y en el oto o para los  rboles y arbustos establecidos.

### Tree Planting Rate Per Tree

	Tree trunk caliper (in) <sup>2</sup>				
	1.25" (3cm)	2" (5cm)	3" (7.5cm)	4" (10cm)	5" (12.7cm)
rate (lb)	¼	1.0	2.0	2 ¼	4.0
rate (kg)	0.3	0.4	1.0	1.5	2

<sup>2</sup> Tree trunk caliper is measured 6 in (15 cm) above the soil surface

### Tree Maintenance Rate Per Tree

	Tree trunk caliper (in) <sup>1</sup>				
	1.25" (3cm)	2" (5cm)	3" (7.5cm)	4" (10cm)	5" (12.7cm)
rate (lb)	1.3	1.5	3	4	5
rate (kg)	0.6	0.7	1	1.5	3

### Agricultural Crops:

\*\*Recommended fertilizer application rates for agricultural crops are crop, crop yield goal, soil and climate specific. Please refer to your soil test results or to the recommendations of your area agricultural extension agent and/or crop consultant for specific recommendations. Additional crop specific application information and fertilizer research is available at [www.sustane.com](http://www.sustane.com). You can also contact your regional Sustane technical representative for additional guidance.

### Productos Agr colas:

\*\*Las proporciones para colocar el fertilizante recomendadas para los productos agr colas cosechados son el rendimiento m ximo de cocehas especifico para el clima y suelo del lugar.

### Guaranteed Analysis:

Total Nitrogen (N).....	5%
0.5% Ammoniacal Nitrogen	
0.5% Other Water Soluble Nitrogen	
4.0% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2%
Soluble Potash (K <sub>2</sub> O).....	4%
Calcium (Ca).....	3%

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

\*4.0% 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.htm>

Store in a cool, dry place.

Almacenelo en un lugar oscuro, fresco y seco.

Keep out of reach of pets and children Mantengalo fuera del alcance de los ni os y mascotas.



**NET WEIGHT 50lb (22.7 kg)**  
**PESO NETO 50 lb (22.7 kg)**

**Granulation Specifications:**  
Medium Grade: Mesh Size -7+14  
(2.8 mm to 1.4 mm) SGN 200



Visit [www.sustane.com](http://www.sustane.com) for more information.

Manufactured by Sustane<sup>®</sup> Natural Fertilizer, Inc.  
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**www.sustane.com**

### Notice: Read Before Using Product

Use of this product is subject to the following disclaimer of warranties and conditions (including limitations of liability).

Disclaimer of Warranties: There are no warranties, express or implied, or merchantability or of fitness for a particular purpose or otherwise, which extend beyond the printed statements on this package. Under no circumstances shall Sustane<sup>®</sup> Natural Fertilizer, Inc. be liable for any incidental or consequential damage resulting from a failure to use this product in accordance with the printed directions on this package.

Conditions: The printed directions on this package are for the protection of the user. Any use of this product not in conformity with those printed directions is at the risk of the user.

Limitations of Liability: In no event shall Sustane<sup>®</sup> Natural Fertilizer, Inc.'s liability for damages arising out of the use of this product exceed the purchase price of the product.



**LDPE**  
recyclable  
plastic



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