

# BOLSTER

GRANULAR

NATURAL BASED  
GRANULATED

4.4.4  
*plus Iron*

RAPID PLANT and  
TURF STARTER FERTILIZER

with **MYCORRHIZAE**



Net Weight 50 lb. (22.67 kg)

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

FINE GRADE



BOLSTER  
GRANULAR

NATURAL BASED  
SLOW RELEASE  
NITROGEN FERTILIZER

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NITROGEN FERTILIZER

BOLSTER  
GRANULAR



FINE GRADE



# BOLSTER GRANULAR 4•4•4+3Fe

## SUSTANE®:

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 to establish and maintain high quality turfgrass.

**BOLSTER GRANULAR™ 4-4-4 plus 3Fe plus beneficial fungi and plant supplements** contains a powerful, synergistic blend of mycorrhizal fungi, Sustane® organic base 4-4-4 plus 3% iron and plant supplements to promote rapid root development. Arbuscular Mycorrhizal Inoculant contains beneficial endomycorrhizal fungi, which promotes greater access of plant roots to soil nutrients and water. BOLSTER GRANULAR can be used in all turf and landscape plantings.

**BOLSTER GRANULAR™ For All Turf and Landscape**

**BOLSTER® Plant Supplement:** Ascophyllum nodosum seaweed, humic acid, and iron.

**VAM mycorrhizae** Vesicular Arbuscular Mycorrhizal Fungi:

Glomus intraradices, Glomus etunicatum, Glomus Deserticola, Glomus clarum

**Sustane Organic Base fertilizer 4-4-4+3Fe:** Slow release nitrogen from aerobic compost. Rich in humic acid. Also contains secondary plant nutrients.

### Turf Establishment:

Pre-plant: Broadcast and incorporate into top 4 in (5 cm) of soil

50 lb per 1,000 ft<sup>2</sup> or 2,200 lb per acre  
250 g per m<sup>2</sup> or 2,500 kg per hectare

Post-plant (45-60 days): Broadcast and water in 25 lb per 1,000 ft<sup>2</sup> or 1,100 lb per acre  
125 g per m<sup>2</sup> or 1,250 kg per hectare

### Overseeding:

Apply 25 lb per 1,000 ft<sup>2</sup> or 125 g per m<sup>2</sup>

### Hydroseeding:

Apply 500 to 4,000 lb per acre (560 to 4,480 kg per hectare).

NOTE: Adjust fertilizer program for local conditions and requirements.

**Core Aerification:** Apply 25 - 50 lb. per 1,000 ft<sup>2</sup>. (122 - 244 grams per M<sup>2</sup>) after aerification. Drag fertilizer into core holes.

**Sand Topdressing Mix:** Blend Bolster Granular with sand topdress according to chart.

Application Rates (lb per ton) and corresponding amount of Nitrogen applied (lb of N per 1,000 ft<sup>2</sup>)

	4-4-4	Core Aeration		Frequent Top Dress	
Volume	Rate lb/ton	0.34 ton/M	1.35 ton/M	0.07 ton/M	0.27 ton/M
1.5%	11.4	0.16	0.62	0.03	0.12

\*M = lb per 1,000 ft<sup>2</sup>

### General Coverage:

50 lb covers 2,000 ft<sup>2</sup> @ 1 lb N per 1,000 ft<sup>2</sup>  
1,100 lb per acre provides 44 lb N per acre.

22.67 kg covers 186 m<sup>2</sup> and 125 g covers 1 m<sup>2</sup> @ 0.5 kg N per 100 m<sup>2</sup>.

1,250 kg per hectare provides 50 kg N per hectare.

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

Scotts LawnPro – 15\*\*

Scotts Professional – S\*\*

Scotts Accupro 2000 – M ½\*\*\*

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

\*\*For 25 lb per 1,000 ft<sup>2</sup> (125 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

### Establecimiento de cespèd:

Antes de plantar: Esparcir e incorporar en las 4 pulgadas (5 cm), de la parte superior del suelo.

50 libras por 1,000 pies<sup>2</sup> o 2,200 libras por acre.  
250 g por m<sup>2</sup> o 2,500 kg por hectárea.

Después de plantar: Colocar otra capa, una vez, cada 45-60 días. Esparcir y regar en 25 libras por 1,000 pies<sup>2</sup> o 1,100 libras por acre (125 g por m<sup>2</sup> o 1,250 kg por hectárea).

### Esparcir la semilla una vez más:

Colocar 25 libras por 1,000 pies<sup>2</sup> o 125 g por m<sup>2</sup>.

**Esparcir la semilla con agua:** Colocar de 500 a 4,000 libras por acre o 560 a 4,480 kg por hectárea.

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

**Core Aerification:** Apply 25 - 50 lb. per 1,000 ft<sup>2</sup>. (122 - 244 grams per M<sup>2</sup>) after aerification. Drag fertilizer into core holes.

Application Rates (kg per tonne) and corresponding amount of Nitrogen applied (g of N per m<sup>2</sup>)

	4-4-4	Core Aeration		Frequent Top Dress	
Volume	Rate kg/ton	3.3 kg/m <sup>2</sup>	13.2 kg/m <sup>2</sup>	0.68 kg/m <sup>2</sup>	2.6 kg/m <sup>2</sup>
1.5%	5.7	0.62	2.48	0.26	0.49

### Covertura general:

50 libras cubre 2,000 pies<sup>2</sup> a una proporción de 1 libra de Nitrógeno por 1,000 pies<sup>2</sup>.

1,100 libras por acre proporciona 44 libras de Nitrógeno por acre.

22.67 kg cubre 186 m<sup>2</sup> y 125 g cubre 1 m<sup>2</sup> en una proporción de 0.5 kg de Nitrógeno por 100 m<sup>2</sup>.

1,250 kg por hectárea proporciona 50 kg de Nitrógeno por hectárea.

## 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	6	12	14	30	56
Med	14	26	38	78	134
High	20	36	56	118	208

### Greenhouse & Nursery Container Mix Rates

Container Mix Rates by Volume					
lb per cubic yard			kg per cubic meter		
Low	Med	High	Low	Med	High
11	20	30	6.5	11.8	17.8

### Landscape & Flower Application Rates by Area

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

### 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	12	3.6	5.3	7.1

### Vegetable Gardens Application Rates by Area\*

Plant	tbsp / ft <sup>2</sup>	lb / 100 ft <sup>2</sup>	Grams / m <sup>2</sup>
Tomatoes	2.75	5.75	281
Lettuce	2.5	5	244
Cucumbers	1.33	2.75	134
Peppers	0.4	0.8	39

\*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.

**Reparación de una extensión 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 días, esparciendo uniformemente sobre la superficie de la extensión del suelo a trabajar.

### Fertilizing Shrubs and Trees:

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

**Fertilización de árboles y arbustos:** Colocar ¼ de taza de Sustane para plantas que tienen una copa de 2 pies de diámetro y de ancho (60 cm<sup>2</sup> por 60 cm de diámetro). Aumentar las proporciones, con ¼ de taza, por cada 6 pulgadas más del tamaño de la copa (60 cm<sup>2</sup> por 15 cm). Colocar fertilizante al plantar en la primavera, y en el otoño para los árboles y arbustos establecidos.

### Tree Planting 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)	0.67	1.0	2.0	3.5	5
rate (kg)	0.3	0.45	0.9	1.5	2.0

<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)	1.33	1.5	2.33	4.33	6
rate (kg)	0.6	0.45	0.9	1.5	2.5

### 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>) . . . . . 4%  
Soluble Potash (K<sub>2</sub>O) . . . . . 4%  
Calcium (Ca) . . . . . 4.0%  
Magnesium (Mg) . . . . . 0.5%  
Sulfur (S) . . . . . 1.0%  
Iron (Fe) . . . . . 3.0%

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

\*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.htm>

### ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

3% humic acid derived from Leonardite and aerobically composted turkey litter and 1% seaweed extract derived from Ascophyllum nodosum.

VAM mycorrhizae guaranteed minimum 3.52 propagules per gram: Glomus intraradices 2.47, G. etunicatum 0.35, G. deserticola 0.35, G. clarum 0.35 propagules / cu. cm. Use this product within two years of date stamped on this label.

Store in a cool, dry place.

Keep out of reach of pets and children.

Almacenelo en un lugar oscuro, fresco y seco.

Mantengalo fuera del alcance de los niños y mascotas.



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

NET WEIGHT 50 lb (22.7 kg)

PESO NETO 50 lb (22.7 kg)

Manufactured by Sustane® Natural Fertilizer, Inc.  
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+1(507) 263-3003 • e-mail: [help@sustane.com](mailto:help@sustane.com)

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

### Granulation Specifications:

Fine Grade: Mesh Size -14+30  
(1.4 mm to 0.6 mm) SGN 100

F689

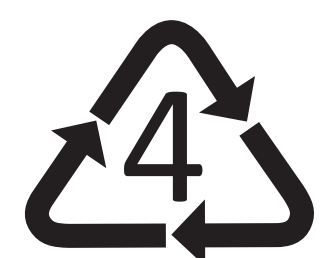
### Notice: Read Before Using Product

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® 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® 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

