

NATURALLY BETTER

# HEALTHY START®

## 3-4-3

### NATURAL FERTILIZER WITH RHIZOSPHERE BACTERIA FOR LANDSCAPES AND GARDENS

**Healthy Start® 3-4-3** is formulated for general use applications. It contains NPK fertility derived from natural sources, and includes beneficial rhizosphere bacteria to boost biological soil fertility. Healthy Start® 3-4-3 is manufactured as an insoluble granular fertilizer that releases its nutrients gradually as they biodegrade. It is used to provide rich organic matter and active rhizosphere bacteria to depleted soils.

**DIRECTIONS FOR USE:**

**Seed/Sod Installation:** Broadcast or spread one 25 pound bag per 2500 square feet, then seed or lay sod.

**Soil Prep for Gardens and Flower Beds:** Apply 25 pounds per 1000 square feet. In very poor soil, double the rate. Rototill into the upper 2 to 4 inches before planting.

**Bulbs or Sprigs:** Add 1 teaspoon per plant and mix with soil in planting hole.

**Potting Mix:** Mix into potting soil at a rate of 25 pounds per cubic yard.

**Potted Plants:** 1/4 pound per 1 gallon container.

**Top Dressing:** 25 pound bag per 2000 square feet.

**Established Trees and Shrubs:** Broadcast 2 pounds per 100 square feet over soil or surface mulch.

**Planting Trees and Shrubs:** Mix into the backfill around the root zone when planting, following the rate chart below:

APPLICATION RATES		
1 gallon plant	1 cup or 1/4 pound	100 plants per 25-Lb bag
5 gallon plant	2 cups or 1/2 pound	50 plants per 25-Lb bag
15 gallon plant	4 cups or 1 pound	25 plants per 25-Lb bag
24 inch root ball	6 cups or 1.5 pounds	16 plants per 25-Lb bag
36 inch root ball	10 cups or 2.5 pounds	10 plants per 25-Lb bag
42 inch root ball	12 cups or 3 pounds	8 plants per 25-Lb bag
54 inch root ball	16 cups or 4 pounds	6 plants per 25-Lb bag
72 inch root ball	20 cups or 5 pounds	5 plants per 25-Lb bag
Larger Sizes	1/2 pound	per inch of trunk diameter

SPREADER SETTINGS						
RATE per 1000 FT <sup>2</sup>	Earthway Drop Spreader	Earthway Broadcast Spreader	Scotts Drop AccuGreen	Scotts Drop Precision Green	Speedy Green	AccuPro 2000
50 pounds	23 (4x)	28 (8x)	18 (4x)	17 (4x)	18 (5x)	Z (6x)
25 pounds	23 (2x)	28 (4x)	18 (2x)	17 (2x)	10 1/2 (3x)	W (3x)
Avg. width of spread	Overlap Wheels	13-ft	Overlap Wheels	Overlap Wheels	5-ft	10-ft Cone 8

Note: 2x means 2 passes

GUARANTEED ANALYSIS 3-4-3	
Total Nitrogen (N).....	3%
2.8% Water Insoluble Nitrogen	
0.2% Water Soluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	4%
Soluble Potash (K <sub>2</sub> O).....	3%
<b>Derived From:</b> Meat Meal, Bone Meal, Blood Meal, Feather Meal, Fish Meal, and Natural Sulfate of Potash.	
<b>ALSO CONTAINS NON PLANT FOOD INGREDIENTS</b>	
<b>SOIL AMENDING INGREDIENTS</b> .....	98.8%
2% Humic Acids	
0.2% Maltodextrin	
96.6% Fertilizer Ingredients	
<b>Rhizosphere Bacillus spp</b> .....	168 Million cfu/Lb
28 Million cfu/Lb <i>Bacillus licheniformis</i>	
28 Million cfu/Lb <i>Bacillus megaterium</i>	
28 Million cfu/Lb <i>Bacillus polymyxa</i>	
28 Million cfu/Lb <i>Bacillus subtilis</i>	
28 Million cfu/Lb <i>Bacillus pumilis</i>	
28 Million cfu/Lb <i>Paenibacillus azotofixans</i>	
<b>Inert Ingredients</b> .....	1.2%
1.2% Leonardite (other than humic acids)	

#F1425

**CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS**

**STORAGE:** This product is stable in cool, dry storage conditions.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions. Read entire label carefully.

**HEALTH AND SAFETY INFORMATION:** In case of allergic reaction(s), treat symptoms and contact physician. In case of ingestion, seek medical attention. Wash hands after handling.

**Keep out of reach of children.**

**TECHNICAL ASSISTANCE:** For technical assistance, call **1-800-421-9051**.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-phc.com>

**Net Wt. 25-Lbs (11.34-Kg)**

Plant Health Care, Inc.  
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**1-800-421-9051**

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

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For expiration date,  
see reverse.

