

# roots<sup>®</sup> Healthy Start<sup>®</sup>

**ROOTS<sup>®</sup> Healthy Start<sup>®</sup> 3-4-3** is formulated for general use applications. It contains NPK fertility derived from natural sources. Roots Healthy Start 3-4-3 is manufactured as an insoluble granular fertilizer that releases nutrients as it biodegrades. It is used to provide rich organic matter to depleted soils.

## DIRECTIONS FOR USE:

**Seed/Sod Installation:** Broadcast or spread one 25 pound (11.34 kg) bag per 2500 square feet (232 m<sup>2</sup>), then seed or lay sod.

**Soil Prep for Gardens and Flower Beds:** Apply 25 pounds (11.34 kg) per 1000 square feet (93 m<sup>2</sup>). In very poor soil, double the rate. Rototill into the upper 2 to 4 inches (5-10 cm) 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 (11.34 kg per 0.8 cubic meter).

**Potted Plants:** 1/4 pound per 1 gallon container (0.11 kg per 3.8 liter container).

**Top Dressing:** Apply one 25 pound bag per 2000 square feet (11.34 kg per 186 m<sup>2</sup>).

**Established Trees and Shrubs:** Broadcast 2 pounds per 100 square feet (0.9 kg per 9.3 m<sup>2</sup>) 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 (3.8 L) plant	1 cup or 1/4 pound (0.1 kg)	100 plants per 25-Lb (11.34 kg) bag
5 gallon (18.9 L) plant	2 cups or 1/2 pound (0.2 kg)	50 plants per 25-Lb (11.34 kg) bag
15 gallon (56.8 L) plant	4 cups or 1 pound (0.5 kg)	25 plants per 25-Lb (11.34 kg) bag
24 inch (61 cm) root ball	6 cups or 1 1/2 pounds (0.7 kg)	16 plants per 25-Lb (11.34 kg) bag
36 inch (91 cm) root ball	10 cups or 2 1/2 pounds (1.1 kg)	10 plants per 25-Lb (11.34 kg) bag
42 inch (106 cm) root ball	12 cups or 3 pounds (1.4 kg)	8 plants per 25-Lb (11.34 kg) bag
54 inch (137 cm) root ball	16 cups or 4 pounds (1.8 kg)	6 plants per 25-Lb (11.34 kg) bag
72 inch (183 cm) root ball	20 cups or 5 pounds (2.3 kg)	5 plants per 25-Lb (11.34 kg) bag
Larger sizes	1/2 pound (0.2 kg)	per inch (2.5 cm) of trunk diameter

SPREADER SETTINGS						
Rate per 1000 FT <sup>2</sup> 93m <sup>2</sup>	Earthway Drop Spreader	Earthway Broadcast Spreader	Scotts Drop AccuGreen	Scotts Drop Precision Green	Speedy Green	AccuPro 2000
50lbs (22.7kg)	23 (4x)	28 (8x)	18 (4x)	17 (4x)	18 (5x)	Z (6x)
25lbs (11.34kg)	23 (2x)	28 (4x)	18 (2x)	17 (2x)	10 1/2 (3x)	W (3x)
Avg. width of spread	Overlap Wheels	13 feet	Overlap Wheels	Overlap Wheels	5 feet (1.5 m)	10 feet (3 m) Cone 8

Not labeled for use on food crop sites.

LebanonTurf

For technical assistance and information about our products visit [www.LebanonTurf.com](http://www.LebanonTurf.com)

Manufactured by: Lebanon Seaboard Corporation • 1600 E. Cumberland St. Lebanon, PA 17042 • 800-233-0628 • (717) 273-1685 • Made in the USA • [www.LebanonTurf.com](http://www.LebanonTurf.com)

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## 3-4-3 Natural Granular Fertilizer

- Use for seeding, garden and flower beds, bulbs, trees and shrubs

GUARANTEED ANALYSIS		GUARANTEED MINIMUM ANALYSIS	
Total Nitrogen (N) .....	3%	Total Nitrogen (N) .....	3%
2.8% Water Insoluble Nitrogen*		2.8% Water Insoluble Nitrogen*	
0.2% Ammoniacal Nitrogen		0.2% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4%	Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4%
Soluble Potash (K <sub>2</sub> O) .....	3%	Soluble Potash (K <sub>2</sub> O) .....	3%
Calcium (Ca) .....	4%	Calcium (Ca) .....	4%
Derived from: Meat and Bone Meal, Feather Meal, Peanut Skin Meal, Soft Rock Phosphate, Kelp Meal, Sulfate of Potash.		Derived from: Meat and Bone Meal, Feather Meal, Peanut Skin Meal, Soft Rock Phosphate, Kelp Meal, Sulfate of Potash.	
*2.8% Slowly available nitrogen from meat and bone meal, feather meal, and peanut skin meal.		*2.8% Slowly available nitrogen from meat and bone meal, feather meal, and peanut skin meal.	

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

## CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS

Caution to individuals with nut allergies. This product contains peanut skins.

## WARNING

### Hazard Statements

May be harmful if inhaled repeatedly over prolonged periods.  
Suspected of causing cancer by prolonged/repeated inhalation.



### Precautionary Statements

Avoid breathing dust.  
Use appropriate personal protective equipment as required to avoid breathing dust.  
If exposed or concerned, seek medical advice.

### Keep out of reach of children.

Dispose in accordance with all federal, state and local regulations.

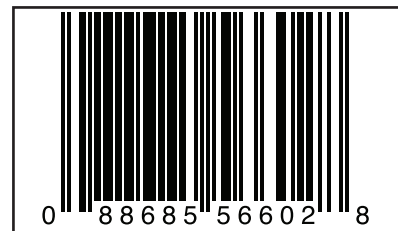
**STORAGE:** Store at temperatures between 50° and 90° F in a dry location.

Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.

Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn or garden, and sweep any product that lands on the driveway, sidewalk, or street back on to your lawn or garden.

## WARRANTY

**NOTE** To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.



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Net Wt: 50 Lb (22.7-Kg)

27-56602