rook Healthy Start

ROOTS® 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. It also contains humic acids, which may aid in the uptake of mineral nutrients by plants. 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 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: Apply one 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.

3-4-3 Natural Granular Fertilizer

- Use for seeding, garden and flower beds, bulbs, trees and shrubs
- Contains beneficial rhizosphere bacteria

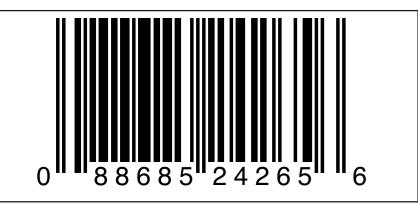
	GUARANTEED ANALYSIS
	Total Nitrogen (N)
	2.8% Water Insoluble Nitrogen*
	0.2% Ammoniacal Nitrogen
	Available Phosphate (P,0,) 4%
	Soluble Potash (K ₂ 0)
	Calcium (Ca)
	Derived from: Meat and Bone Meal, Feather Meal,
	Soft Rock Phosphate, Kelp Meal, Sulfate of Potash.
	*2.8% Slowly available nitrogen from meat and bone meal, feather
	meal.
	ALSO CONTAINS NON PLANT FOOD INGREDIENTS
	SOIL/PLANT AMENDING INGREDIENTS
1	Rhizosphere Bacteria 400,000 cfu/g
	95,000 cfu/g Bacillus licheniformis
	95,000 cfu/g Bacillus megaterium
	10,000 cfu/g <i>Bacillus polymyxa</i>
	95,000 cfu/g <i>Bacillus pumilus</i>
	95,000 cfu/g <i>Bacillus subtilis</i>
	10,000 cfu/g Paenibacillus azotofixans
	Humic acids (derived from Leonardite) 2.5%
	INERT INGREDIENTS
	94.9% Fertilizer Ingredients
	2.5% Leonardite (other than humic acids)
	0.1% Maltodextrin F699

Information regarding the contents and levels of metals in this product is available on the internet at

	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				
24 inch root ball				
36 inch root ball	ball 10 cups or 2 1/2 pounds 10 plants per 25-Lb b			
42 inch root ball				
54 inch root ball				
72 inch root ball	ch root ball 20 cups or 5 pounds 5 plants per 25-Lb bag			
Larger sizes	arger sizes 1/2 pound per inch of trunk diameter			

	SPREADER SETTINGS					
Rate per	Earthway Drop	Earthway Broadcast	Scotts Drop	Scotts Drop	Speedy	AccuPro
1000 FT ²	Spreader	Spreader	AccuGreen	Precision Green	Green	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 ½ (3x)	W (3x)
Avg. width	Overlap	13 feet	Overlap	Overlap	5 feet	10 feet
of spread	Wheels		Wheels	Wheels		Cone 8

Note: 2x means 2 passes



For technical assistance and information about our products visit www.LebanonTurf.com

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

LebanonTurf

Roots[®] and Healthy Start[®] are registered trademarks of Lebanon Seaboard Corporation.

http://www.regulatory-info-lebsea.com

CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS

WARNING

HAZARD STATEMENTS Suspected of causing cancer.

PRECAUTIONARY STATEMENTS FOR HANDLING



Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required. Store locked up. Dispose of contents/container properly as required by law for waste pesticides. If exposed or concerned, seek medical advice. Persons with severely suppressed immune systems should contact their physician before handling ordinary microbial products. Keep out of reach of children Precautionary Statements for disposal - 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.

Apply only to actively growing turf. Do not exceed 3.2 lbs. of total nitrogen per 1,000 sq. ft. annually.

In Maryland, New Jersey, New York and Virginia: This fertilizer contains phosphorus and may not be used for lawn maintenance on turf in the states of Maryland, New Jersey, New York or Virginia except when

1) Providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory* performed no more than 3 years before the application

2) Establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State

3) Re-establishing or repairing a turf area.

*In Maryland, the soil testing laboratory must be identified under Section 8-803.7 of the Agriculture Article, Annotated Code of Maryland.

In New Hampshire: This fertilizer contains phosphate. In New Hampshire, phosphate fertilizers may only be used for turf maintenance in golf courses, parks, athletic fields, and sod farms.

Net Wt: 25 Lb (11.3-Kg)

Expiration date:

J/17

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

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

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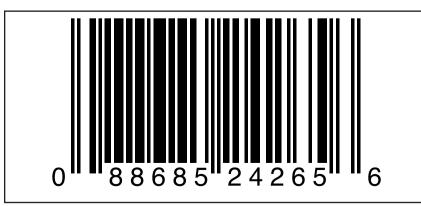
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15 gallon plant	4 cups or 1 pound	25 plants per 25-Lb bag		
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36 inch root ball	10 cups or 2 1/2 pounds	10 plants per 25-Lb bag		
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