



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.

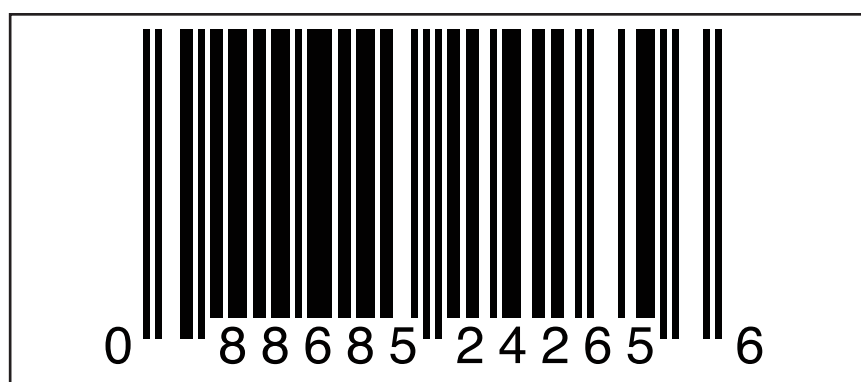
Established Trees and Shrubs: Broadcast 2 pounds per 100 square feet over soil or surface mulch.

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

| 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 1/2 pounds | 16 plants per 25-Lb bag |
| 36 inch root ball | 10 cups or 2 1/2 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 ² | 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 feet | Overlap Wheels | Overlap Wheels | 5 feet | 10 feet 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

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) | 3% |
| 2.8% Water Insoluble Nitrogen* | |
| 0.2% Ammoniacal Nitrogen | |
| Available Phosphate (P₂O₅) | 4% |
| Soluble Potash (K₂O) | 3% |
| Calcium (Ca) 4% | |
| 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. | |
| ALSO CONTAINS NON PLANT FOOD INGREDIENTS | |
| SOIL/PLANT AMENDING INGREDIENTS | |
| Rhizosphere Bacteria | 400,000 cfu/g |
| 95,000 cfu/g <i>Bacillus licheniformis</i> | |
| 95,000 cfu/g <i>Bacillus megaterium</i> | |
| 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 <i>Paenibacillus azotofixans</i> | |
| Humic acids (derived from Leonardite)..... | 2.5% |
| INERT INGREDIENTS | 97.5% |
| 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 <http://www.regulatory-info-lebsea.com>

CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS

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.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):

The bacteria contained in this product are strains of typically harmless soil and water bacteria, and are not associated with disease or infections under normal circumstances. However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Wash hands thoroughly after use. Remove and launder heavily soiled clothing separately before reuse. Persons with severely suppressed immune systems, such as those with advanced AIDS, or those taking anti-rejection drugs, or those undergoing chemotherapy should contact their physician before handling ordinary microbial products.

Unknown acute toxicity: <1% of the mixture consists of ingredients of unknown toxicity.

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.

Net Wt: 25 Lb (11.3-Kg)

Expiration date: _____

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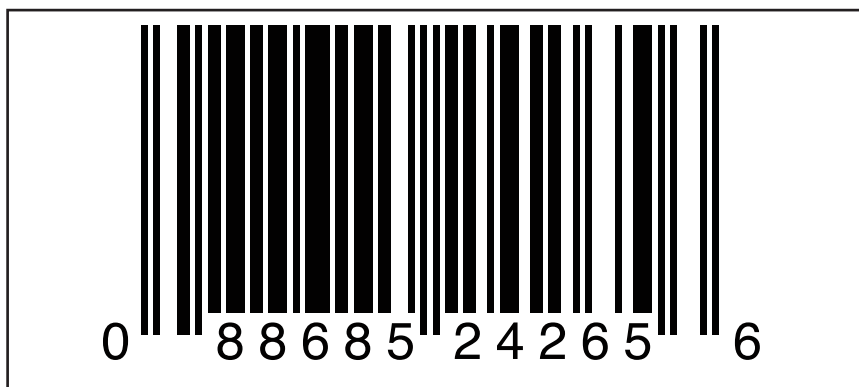
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