

roots®

Healthy Start® Advanced MRT

3-4-3 Natural Granular Fertilizer with mycorrhizal fungi

- Use for seeding, gardens and flower beds, bulbs, trees and shrubs
- Contains Mycorrhizal Root Technology to increase plant access to water and nutrients
- Contains beneficial rhizosphere bacteria that convert nutrients for plant use.

ROOTS® Healthy Start® Advanced MRT 3-4-3 is formulated for general use applications. It is a natural fertilizer combined with beneficial rhizosphere bacteria and mycorrhizal fungi to boost biological soil fertility. The mycorrhizae become a living extension of the plant's roots, increasing the amount of water and nutrients available to the plant. It also contains humic acids, which may aid in the uptake of mineral nutrients by plants. Roots Healthy Start Advanced MRT 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 beneficial microbes to depleted soils.

DIRECTIONS FOR USE:

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.

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

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



0 88685 56718 6

G/22

Expiration date:

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

| GUARANTEED ANALYSIS | | ENDO SPECIES | |
|---|---------------|----------------------------------|--------|
| Total Nitrogen (N)..... | 3% | Total spore/g | 6.24 |
| 2.5% Water Insoluble Nitrogen* | | <i>Rhizophagus irregularis</i> | 0.78 |
| 0.5% Ammoniacal Nitrogen | | <i>Rhizophagus clarus</i> | 0.78 |
| Available Phosphate (P ₂ O ₅)..... | 4% | <i>Rhizophagus aggregatus</i> | 0.39 |
| Soluble Potash (K ₂ O)..... | 3% | <i>Rhizophagus diaphanus</i> | 0.78 |
| Calcium (Ca)..... | 4% | <i>Funneliformis mosseae</i> | 0.78 |
| Iron (Fe)..... | 1% | <i>Funneliformis monosporus</i> | 0.74 |
| 0.1% Water Soluble Iron (Fe) | | <i>Septoglomus deserticola</i> | 0.78 |
| Derived from: wheat middlings, meat and bone meal, rock phosphate, feathermeal, sulfate of potash, ferrous sulfate. | | <i>Clarodeoglomus etunicatum</i> | 0.78 |
| *2.5% Slowly available nitrogen from meat and bone meal, feather meal. | | <i>Clarodeoglomus claroideum</i> | 0.78 |
| ALSO CONTAINS NON PLANT FOOD INGREDIENTS | | ECTO species | |
| OTHER INGREDIENTS | | Total spore/g | 63,300 |
| NON PLANT FOOD INGREDIENTS | | <i>Rhizopogon luteolus</i> | 550 |
| Kelp Meal..... | 1% | <i>Rhizopogon roseolus</i> | 550 |
| Humic Acids..... | 3% | <i>Sclerotium verrucosum</i> | 1,100 |
| Rhizosphere Bacteria..... | 400,000 cfu/g | <i>Sclerotium citrinum</i> | 1,100 |
| 95,000 cfu/g <i>Bacillus licheniformis</i> | | <i>Sclerotium polyrhizum</i> | 5.5 |
| 95,000 cfu/g <i>Bacillus megaterium</i> | | <i>Sclerotium arolatum</i> | 5.5 |
| 10,000 cfu/g <i>Bacillus polymyxa</i> | | <i>Sclerotium cepa</i> | 5.5 |
| 95,000 cfu/g <i>Bacillus pumilus</i> | | <i>Sclerotium bovista</i> | 5.5 |
| 95,000 cfu/g <i>Bacillus subtilis</i> | | <i>Pisolithus tinctorius</i> | 60,000 |
| 10,000 cfu/g <i>Paenibacillus azotofixans</i> | | | |
| OTHER / NON-PLANT FOOD INGREDIENTS | | | |
| 0.1% Maltodextrin | | | |
| 0.15% Ascorbic Acid (Vitamin C) | | | |
| 0.05% Amino Acid (Glycine) | | | |
| 0.02% Myo-Inositol | | | |
| 0.01% Thiamine mononitrate (Vitamin B1) | | | |
| | F699 | | |

CONTAINS NO MANURE, SEWAGE OR SLUDGE INGREDIENTS

WARNING



Precautionary Statements for handling:

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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.

NOTICE: This product contains the micronutrient iron. Iron may stain concrete surfaces and should not be applied on dry or water dampened concrete and should be removed from these areas promptly by sweeping or blowing. Do not wash off with water.

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.

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.



Manufactured by:
Lebanon Seaboard Corporation
1600 E. Cumberland St. • Lebanon, PA 17042
800-253-0628 • (717) 273-1685
Made in the U.S.A.
www.LebanonTurf.com

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

**Net Weight / Peso Neto 25 lbs (11.3 kg)
Covers up to 3,125 Sq. Ft. (3,125 pies²)**

Not labeled for use on food crop sites.