

# roots<sup>®</sup>

# phc<sup>®</sup> Turf Saver<sup>®</sup>



## 3-4-3 Fertilizer & Inoculant for Turf

**ROOTS<sup>®</sup> PHC<sup>®</sup> Turf Saver<sup>®</sup>** is a mycorrhizal fungal inoculant formulated for turf installations and maintenance. It contains a blend of VA mycorrhizal (VAM) fungi and rhizosphere bacteria selected for their beneficial activities in the rhizosphere of plants. Roots<sup>®</sup> PHC<sup>®</sup> Turf Saver<sup>®</sup> contains Myconate<sup>®</sup> (formononetin), a patented stimulant of VAM fungi to increase colonization rates of the grass roots. \*Covered by US Patents 5,002,603; 5,085,682; 5,691,275; 5,981,775.

### DIRECTIONS FOR USE:

**Directions for Turf or Sod installation:** Prior to seeding or sodding, spread Roots<sup>®</sup> PHC<sup>®</sup> Turf Saver<sup>®</sup> over the planting area at a rate of 22 pounds per 1,000 sq. ft. If sodding, lay sod directly over product. If seeding, rake or rototill product into the top 2 inches of soil. At this rate, the product delivers about 70 spores per sq. ft. combined with MyConate<sup>®</sup>, a stimulant of VAM fungi colonization.

**Directions for Turf Maintenance:** Application to existing greens must be preceded by aeration or verticutting to facilitate movement of product into vicinity of turfgrass roots. Remove loose debris and apply product by drop spreader at a rate of 6 pounds per 1,000 sq. ft. Mat or brush Roots<sup>®</sup> PHC<sup>®</sup> Turf Saver<sup>®</sup> into aeration holes or vertical cuts. Repeat with each aeration or verticutting treatment, particularly during growth periods, and prior to or following stress periods. Apply at least 2 times per year. See inside box for detailed application instructions.

**HEALTH AND SAFETY:** In case of allergic reaction(s), treat symptoms and contact physician. Avoid breathing dust. Wash hands after handling. Caution to individuals with nut allergies, this product contains peanut skins.

### KEEP OUT OF REACH OF CHILDREN

**CAUTION to individuals with nut allergies, this product contains peanut skins.**

**STORAGE:** Store in a dry location away from direct sunlight, between 50° to 90° F.

### 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. 50-Lbs. (22.7-kg)**



Expiration Date:

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

Not labeled for use on food crop sites.

LebanonTurf

- Use for turf installation and maintenance
- Contains beneficial mycorrhizal fungi and rhizosphere bacteria

GUARANTEED ANALYSIS	
<b>Total Nitrogen (N)</b> .....	3%
0.80% Water Insoluble Nitrogen	
0.75% Other Water Soluble Nitrogen*	
1.45% Urea Nitrogen*	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b> .....	4%
<b>Soluble Potash (K<sub>2</sub>O)</b> .....	3%
Derived from: Feather Meal, Meat and Bone Meal, Peanut Skin Meal, Kelp Meal, Methylene Urea, Rock Phosphate, Calcium Phosphate, Sulfate of Potash.	
* 2.2% Slowly available Nitrogen from feather meal, meat and bone meal, methylene urea, and peanut skins.	
ALSO CONTAINS NON PLANT FOOD INGREDIENTS	
SOIL/PLANT AMENDING INGREDIENTS	
ACTIVE INGREDIENTS	
<b>VA Endomycorrhizal (VAM) Fungi</b> .....	7.2 spores/g
1.8 spores/g <i>Entrophospora columbiana</i>	
1.8 spores/g <i>Glomus etunicatum</i>	
1.8 spores/g <i>Glomus clarum</i>	
1.8 spores/g <i>Glomus intraradicis</i>	
<b>Rhizosphere Bacteria</b> .....	1.12 million cfu/g
253,000 cfu/g <i>Bacillus licheniformis</i>	
253,000 cfu/g <i>Bacillus megaterium</i>	
54,000 cfu/g <i>Bacillus polymyxa</i>	
253,000 cfu/g <i>Bacillus pumilus</i>	
253,000 cfu/g <i>Bacillus subtilis</i>	
54,000 cfu/g <i>Poenibacillus azotofixans</i>	
Humic acids (derived from Leonardite) .....	18.00%
Seaweed Meal (derived from <i>Asaphyllum nodosum</i> ) .....	16.00%
Formononetin .....	0.01%
<b>INERT INGREDIENTS</b> .....	65.99%
53.04% Fertilizer Ingredients	
10.00% Non humic acid components of Leonardite	
2.80% Mineral Oil (USP)	
0.15% 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>

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

Roots<sup>®</sup>, PHC<sup>®</sup> and Turf Saver<sup>®</sup> are registered trademarks of Lebanon Seaboard Corporation.

27-24388 k14