

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



**ROOTS<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> 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> 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 turgrass 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> 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.

**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.

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, and sweep any product that lands on the driveway, sidewalk, or street back on to your lawn.

## Hazard Statements:

Causes skin irritation.  
Causes serious eye irritation.  
May be harmful if inhaled.  
May cause respiratory irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Suspected of causing cancer.

## Precautionary Statements:

Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands and exposed skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.  
If in eyes, rinse with water and seek medical attention if symptoms persist.  
Take off contaminated clothing and wash before reuse.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Call » POISON CENTER or doctor/physician if you feel unwell.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Store locked up.  
Store in a well-ventilated place.  
Keep container tightly closed.  
Dispose of contents/container properly as required by law for waste pesticides.  
If exposed or concerned, seek medical advice.  
Keep out of reach of children  
Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.

**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)**



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

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

GUARANTEED ANALYSIS	
Total Nitrogen (N) .....	3%
2.0% Water Insoluble Nitrogen	
0.4% Other Water Soluble Nitrogen	
0.6% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4%
Soluble Potash (K <sub>2</sub> O) .....	3%
Derived from: Feather Meal, Meat and Bone Meal, Peanut Skin Meal, Kelp Meal, Methylene Urea, Rock Phosphate, Calcium Phosphate, Sulfate of Potash.	
<b>ALSO CONTAINS NON PLANT FOOD INGREDIENTS</b>	
<b>SOIL/PLANT AMENDING INGREDIENTS</b>	
<b>ACTIVE INGREDIENTS</b>	
VA Endomycorrhizal (VAM) Fungi .....	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 intradradices</i>	
Rhizosphere Bacteria .....	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>Paenibacillus azotofixans</i>	
Humic acids (derived from Leonardite) .....	18.00%
Seaweed Meal (derived from <i>Ascophyllum 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	
2.800% Mineral Oil (USP)	
0.15% Maltodextrin	
<b>F699</b>	

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

**Not labeled for use on food crop sites.**



Expiration Date:

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