

NEW  
LOOK!

roots®



# PHC® Vertimulch

## 3-4-3 Tree and Shrub Inoculant

**ROOTS® PHC® Vertimulch** is a soil inoculant containing beneficial rhizosphere bacteria and spores of both ecto- and endomycorrhizal fungi. These are blended with mineral humates, Terra-Sorb® water absorbent gel, and various organic ingredients to increase beneficial microbial activity in the rhizosphere and promote the development of mycorrhizal roots for improved water and mineral nutrient absorption. Also includes Myconate® (formononetin), a patented stimulant of VAM fungi.

### DIRECTIONS FOR USE:

Auger product into the soil at a rate of 3 ounces per hole, so that product is thoroughly mixed with the soil in the hole. Treat the entire area beneath the canopy, from trunk outward to slightly beyond the drip line following a grid pattern with approximately 2.5 foot spacing between holes.

See inside box for detailed application instructions.

**HEALTH AND SAFETY:** Avoid breathing dust. Gloves recommended. Wash hands after handling.

**KEEP OUT OF REACH OF CHILDREN**

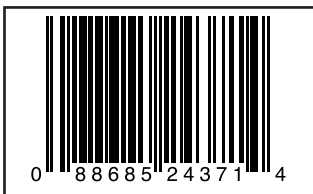
**STORAGE:** Store in a dry location away from direct sunlight between 50° and 90°F.

### 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: 36 Lb (16.36-Kg)

Net Wt: 22 Lb (10-Kg)



Expiration Date:



- Apply with an auger to existing trees and shrubs
- Contains ecto and endomycorrhizal fungi and rhizosphere bacteria

GUARANTEED ANALYSIS	
Total Nitrogen (N) .....	3%
2.9% Water Insoluble Nitrogen	
0.1% Water Soluble Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	4%
Soluble Potash (K <sub>2</sub> O) .....	3%
Derived from: Feather Meal, Blood Meal, Bone Meal, Fish Meal, Calcium Phosphate, Sulfate of Potash.	
ALSO CONTAINS NON PLANT FOOD INGREDIENTS	
SOIL/PLANT AMENDING INGREDIENTS	
ACTIVE INGREDIENTS	
<b>Ectomycorrhizal Fungi</b> .....	11,600 spores/g
11,600 spores/g <i>Pisolithus tinctorius</i>	
<b>VA Endomycorrhizal (VAM) Fungi</b> .....	1.96 spores/g
0.49 spores/g <i>Glomus clarum</i>	
0.49 spores/g <i>Glomus etunicatum</i>	
0.49 spores/g <i>Glomus intraradices</i>	
0.49 spores/g <i>Entrophospora columbiana</i>	
<b>Rhizosphere Bacteria</b> .....	776,000 cfu/g
175,000 cfu/g <i>Bacillus licheniformis</i>	
175,000 cfu/g <i>Bacillus megaterium</i>	
38,000 cfu/g <i>Bacillus polymyxa</i>	
175,000 cfu/g <i>Bacillus pumilus</i>	
175,000 cfu/g <i>Bacillus subtilis</i>	
38,000 cfu/g <i>Paenibacillus azotofixans</i>	
Humic acids (derived from Leonardite) .....	26.000%
Potassium Polyacrylate .....	1.000%
Formononetin .....	0.003%
<b>INERT INGREDIENTS</b> .....	72.997%
46.367% Fertilizer ingredients	
17.100% Non humic acid components of Leonardite	
6.500% Greensand	
2.800% Mineral Oil (USP)	
0.100% Maltodextrin	
0.070% Kaolin clay	
0.050% Garlic powder	
0.010% Talc	

F699

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

Manufactured by: Lebanon Seaboard Corporation . 1600 E. Cumberland St. Lebanon, PA 17042 . Made in the USA . [www.LebanonTurf.com](http://www.LebanonTurf.com)