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**NEW
LOOK!**

roots[®]

PHC[®] for Trees

11-22-22

Water-Soluble Fertilizer

- Promotes growth
- Microbial soil inoculant
- Soil injection or drench use



Net Wt 8 Lbs (3.6 Kg)

Manufactured by: Lebanon Seaboard Corporation . 1600 E. Cumberland St. Lebanon, PA 17042 . Made in the USA . www.LebanonTurf.com

APPLICATION AND RATES:

Soil injection: Mix the recommended amount of ROOTS® PHC® for Trees with water, and inject into the soil to a depth of 8 to 10 inches. Start injections immediately past the root flare, being careful to avoid damage to large woody roots. Where possible, injections should cover the entire area beneath the canopy and just beyond the drip line.

Standard Injection Rate: 8-Lbs per 1,250 sq. ft.

- Mix 8-Lbs (1 bag) ROOTS® PHC® for Trees per 100-gallons water and Inject:
- 100-gallons per 1,250 sq. ft. (2 quarts per injection on 2 ½ foot centers) or
- 5-gallons per inch DBH (diameter at breast height)

Compacted or Nonporous Soils: 8-Lbs per 1,250 sq. ft.

- Mix 16-Lbs (2 bags) ROOTS® PHC® for Trees per 100-gallons water and Inject:
- 100-gallons per 2,500 sq. ft. (1 quart per injection on 2 ½ foot centers) or
- 2 ½-gallons per inch DBH (diameter at breast height)

Any of the above regimens will apply approximately 0.7-Lbs (0.3-Kg) of nitrogen and 1.4-Lbs (0.6-Kg) of available phosphate (P_2O_5) and soluble potash (K_2O) per 1,000 sq. ft. (100 m²).

Soil drench: Mix the recommended amount of ROOTS® PHC® for Trees with water, and drench the entire area beneath the canopy. Mix 8-Lbs (1-bag) per 100-gallons and apply:

- Established trees: Apply 100-gallons per 1,250 sq. ft.
- Containerized trees: Apply ¼ of the container volume. (example: 1 quart/gallon container)

For best results, follow with water application to rinse product into the soil. ROOTS® PHC® for Trees can be tank mixed with all ROOTS® PHC® Injectable products for simultaneous application.

Not formulated for foliar application.

STORAGE/SHELF LIFE

This product is stable in cool, dry storage conditions. Refer to expiration date on package. Do not expose to direct sunlight for extended periods. ROOTS® PHC® for Trees will remain an excellent fertilizer, but the number of beneficial microbes may be reduced after the expiration date shown on the package.

HEALTH AND SAFETY INFORMATION

- In case of allergic reaction(s), treat symptoms and contact physician.
- In case of ingestion, seek medical attention.
- Wash hands after handling.
- Keep out of reach of children.

For technical assistance, call 1-800-233-1067.

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.

GUARANTEED ANALYSIS

Total Nitrogen (N)	11%
4.3% Ammoniacal Nitrogen	
2.0% Nitrate Nitrogen	
4.7% Urea Nitrogen	
Available Phosphate (P₂O₅)	22%
Soluble Potash (K₂O)	22%
Boron (B).....	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn).....	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.0009%
0.0009% Water Soluble Molybdenum (Mo)	
Zinc (Zn).....	0.05%
0.05% Chelated Zinc (Zn)	

Derived from: Urea, Ammonium Sulfate, Potassium Phosphate, Potassium Nitrate, Boric Acid, Iron EDTA, Manganese EDTA, Zinc EDTA, Copper EDTA and Ammonium Molybdate.

Potential Acidity: 548-Lb Calcium carbonate equivalent per ton

ALSO CONTAINS NON PLANT FOOD INGREDIENTS SOIL/PLANT AMENDING INGREDIENTS

Active Ingredients

Rhizosphere Bacteria..... 20 Million cfu/g

 4.5 Million cfu/g *Bacillus licheniformis*

 4.5 Million cfu/g *Bacillus megaterium*

 1 Million cfu/g *Bacillus polymyxa*

 4.5 Million cfu/g *Bacillus pumilus*

 4.5 Million cfu/g *Bacillus subtilis*

 1 Million cfu/g *Paenibacillus azotofixans*

MICROBIAL NUTRIENTS..... 3.3%

 2.2% Soluble Seaweed Extract (derived from *Ascophyllum nodosum*)

 0.8% Maltodextrin

 0.3% Yeast Extract

Humic Acids (derived from Leonardite)..... 1.8%

*RZ-3 Surfactant (alkoxylated glucopyranoside).... 2.8%

INERT INGREDIENTS..... 92.1%

 91.1% Fertilizer

 1.0% Leonardite extract (other than humic acids)

*RZ-3 is a proprietary surfactant, U.S. Patent # 6,460,290.

F699

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Expiration Date:

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