Cut Here

roots®

Press Here To Close

BioPak *Plus*®

3-0-20

Micronutrient and Microbial Inoculant

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

LebanonTurf

Manufactured by: Lebanon Seaboard Corporation . 1600 E. Cumberland St. Lebanon, PA 17042

800-233-0628 • (717) 273-1685 • Made in the USA . www.LebanonTurf.com

Net Wt. 1-Lb (454-g)

0 88685 56635 6

ROOTS® BioPak® Plus is a premium dry, soluble 3-in-one fertilizer, microbial nutrient and microbial inoculant treatment for ornamentals, trees, or turf maintenance to improve vigor of plants growing in stressed conditions. Also included are humic acids, which may aid in mineral nutrient uptake.

DIRECTIONS FOR USE: Mix BioPak® Plus with water until it fully dissolves. Then apply the solution using the recommended rates in the table below.

WARNING

HAZARD STATEMENTS:

May cause skin and eye irritation.
May be harmful if inhaled.

PRECAUTIONARY STATEMENTS FOR HANDLING:

Wash hands and exposed skin thoroughly after handling. If eye or skin exposure occurs, rinse with water. Seek medical attention if irritation persists. 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. **DO NOT** apply near water, storm drains or drainage ditches. **DO NOT** apply if heavy rain is expected. **DO NOT** apply to frozen ground. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.

STORAGE:

Keep container tightly closed.
Dispose in accordance with all federal, State and local regulations

NITROGEN NOTICE:

In **Pennsylvania** DO NOT exceed 0.9 lbs of total nitrogen per 1,000 sq. ft. per application. Apply only to actively growing turf. DO NOT exceed 3.2 lbs. of total nitrogen per 1,000 sq. ft. annually.

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)	**3%**
3.0% Urea Nitrogen	
Soluble Potash (K_2O)	**20%**
Magnesium (Mg)	1.5%
1.5% Water Soluble Magnesium (Mg)	
Sulfur (S)	4.0%
4.0% Combined Sulfur (S)	
Boron (B)	0.02%
0.02% Water Soluble Boron (B)	
Iron (Fe)	7.0%
7.0% Chelated Iron (Fe)	
Manganese (Mn)	0.2%
0.2% Chelated Manganese (Mn)	
Zinc (Zn)	0.2%
0.2% Chelated Zinc (Zn)	

Derived from: Urea, Potassium Sulfate, Iron Citrate, Sodium Tetraborate, Magnesium Hydroxide, Manganese EDTA, Zinc EDTA, Kelp Extract.

ALSO CONTAINS NON PLANT FOOD INGREDIENTS
SOIL/PLANT AMENDING INGREDIENTS

Active Ingredients

Rhizosphere Bacteria.....18.6 Million cfu /g
- 4.2 Million cfu/g *Bacillus licheniformis*
- 4.2 Million cfu/g *Bacillus megaterium*
- 900,000 cfu/g *Bacillus polymyxa*
- 4.2 Million cfu/g *Bacillus subtilis*
- 4.2 Million cfu/g *Bacillus pumilus*
- 900,000 cfu/g *Paenibacillus azotofixans*

Humic acids (derived from Leonardite) 3.6%

MICROBIAL FOOD 8.1%
- 3.2% Maltodextrin
- 3.0% Seaweed extract (*derived from Ascophyllum nodosum*)
- 1.9% Yucca plant extract (derived from *Yucca schidigera*)

INERT INGREDIENTS..... 88.3%
- 81.0% Fertilizer Ingredients
- 4.6% Polyethylene glycol
- 1.7% Leonardite extract (other than humic acids)
- 1.0% Precipitated silica

F699

APPLICATION RATES

Ornamental Plants/Potted Plants

Application	Roots BioPak Plus Tablespoon	Water Volume Gallon	Method of Application	Coverage Sq Ft
New Plants	1	1	Drench or spray to soil saturation	40
Maintenance	1	1	Drench or spray to soil saturation	80
Pre-Digging/Transplanting	3	5	Drench 2 days prior to digging and immediately after installtion	5 gallons per caliper inch or to soil saturation
Flower Beds	1	1	Drench or spray to soil saturation	200

Tree/Shrub Care Rates

Application	Roots BioPak Plus Tablespoon	Water Volume Gallon	Method of Application	Coverage Sq Ft
Initial Application	1	1	Drench or spray	10
Maintenance	1	1	Drench or spray	10
Iron Defiencey	2	1	Drench or spray	10

Turf Care Rates

Application	Roots BioPak Plus Tablespoon	Water Volume Gallon	Frequency	Coverage Sq Ft
Lawns	1	1	Monthly or as needed	100
New Seeding/Overseeding	1	1	Every 2 to 4 weeks as needed	100
Sod Installation	1	1	After installation	100

Expiration Date:

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

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