

Cut Here

Press Here To Close

roots[®]

BioPak *Plus*[®]

3-0-20

**Micronutrient and
Microbial Inoculant**

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



FIVE 1-LB PACKAGES
Net Wt. 5 Lbs. (2.27 Kg)



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:

Tree/Shrub care Soil Injection: Mix 1 to 5-Lb per 50 gallons to treat 1250 sq. ft. (For general treatments, apply 3-Lbs per 50 gallons.) Inject the entire area beneath the canopy every 2.5-feet, with a volume of 1-qt. per injection.

Drench treatment for Turf/Flower beds: Mix with water to apply 5-Lbs per acre (1-Lb per 10,000 sq. ft.) every month. Follow with water application to rinse product into the soil. See inside box for complete directions.

PRECAUTIONARY STATEMENTS FOR HANDLING

- Wash hands and exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If in eyes, rinse with water and seek medical attention if symptoms persist.
- Rinse mouth.
- Take off contaminated clothing and wash before reuse.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- 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.
- Keep out of reach of children
- Precautionary Statements for disposal - Dispose in accordance with all federal, state and local regulations.
- Persons with severely suppressed immune systems should contact their physician before handling ordinary microbial products.

STORAGE: Store in a dry location. Avoid prolonged storage under conditions of high humidity.

TECHNICAL ASSISTANCE: 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.

WARNING



HAZARD STATEMENTS

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.
- Causes eye irritation.

GUARANTEED ANALYSIS

| | |
|--|---------------------------|
| Total Nitrogen (N) | 3% |
| 3.0% Urea Nitrogen | |
| Soluble Potash (K₂O) | 20% |
| Magnesium (Mg) | |
| 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 <i>Bacillus licheniformis</i> | |
| 4.2 Million cfu/g <i>Bacillus megaterium</i> | |
| 900,000 cfu/g <i>Bacillus polymyxa</i> | |
| 4.2 Million cfu/g <i>Bacillus subtilis</i> | |
| 4.2 Million cfu/g <i>Bacillus pumilus</i> | |
| 900,000 cfu/g <i>Paenibacillus azotofixans</i> | |
| Humic acids (derived from Leonardite) | 3.6% |
| MICROBIAL FOOD | 8.1% |
| 3.2% Maltodextrin | |
| 3.0% Seaweed extract (derived from <i>Ascophyllum nodosum</i>) | |
| 1.9% Yucca plant extract (derived from <i>Yucca schidigera</i>) | |
| 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 | Water Volume | Method of Application | Coverage |
| New plantings | 1 pound | 25 gallons | Drench or spray to soil saturation | 1,000 square feet |
| Maintenance | 1 pound | 25 gallons | Drench or spray to soil saturation | 2,000 square feet |
| Pre-Digging/Transplanting | 3 pounds | 100 gallons | Drench 2 days prior to digging and immediately after installation | 5 gallons per caliper inch or to soil saturation |
| Flower Beds | 1 pound | 25 to 50 gallons | Drench or spray to soil saturation | 10,000 square feet |
| TREES/SHRUB CARE RATES | | | | |
| Application | Roots® BioPak® Plus | Water Volume | Method of Application | Coverage |
| Initial Application | 2 pounds | 50 to 100 gallons | Soil inject, drench or spray | 1,000 square feet |
| Maintenance | 1 pound | 50 to 100 gallons | Soil inject, drench or spray | 1,000 square feet |
| Iron Deficiency | 3 pounds | 50 to 100 gallons | Soil inject, drench or spray | 1,000 square feet |
| TURF CARE RATES | | | | |
| Application | Roots® BioPak® Plus | Water Volume | Frequency | Coverage |
| Lawns | 1 pound | 50 to 100 gallons | Monthly or as needed | 10,000 square feet |
| New Seeding/Overseeding | 1 pound | 50 to 100 gallons | Every 2 to 4 weeks as needed | 10,000 square feet |
| Hydroseeding | 5 pound | Tank Mix at seeding | At time of seeding | 1 acre |
| Sod Installation | 1 pound | 50 to 100 gallons | 2 to 3 days prior to harvest or after installation | 10,000 square feet |
| IN-LINE SYSTEMS | | | | |
| Fertigation | Roots® BioPak® Plus | Mix Tank | Dilution Setting | Procedure |
| Dosatron | 5 pounds | 5 gallons | 1:100 | After application, rinse water through system |

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>

Not labeled for use on food crop sites.