

BioPam™

BioPam is a tackifier/inoculant used to ensure effective hydro-seeding by binding together the various components of hydro-mulch while improving seed establishment. BioPam contains a polyacrylamide tackifier to form a water-absorbing crust, which improves water penetration and retention, protects seeds from the sun, and helps maintain a cool soil temperature. BioPam also contains PHC® BioPak®, a dry soluble microbial inoculant with nitrogen-fixing, phosphorus-solubilizing beneficial rhizosphere bacteria.

BioPam:

- Promotes soil conditions that are favorable to root development
- Colonizes the root zone with beneficial microbial populations
- Breaks down soil organic matter in humus to recycle mineral elements

DIRECTIONS FOR USE

BioPam is applied at the rate of 5 pounds per acre or about 2 ounces per 1000 square feet. More may be applied on very steep slopes. Add the appropriate amount of BioPam into the hydromulching mixing tank after all other components are added. A suggested dilution rate for 1 acre is 5 pounds per 6000 gallons of water. Agitate to mix thoroughly. The total amount of BioPam will vary depending on the coverage area (see table), while the water volume depends on the desired thickness of the mix.

A typical dilution often used is 5 pounds per 6000 gallons.

Mixed solution should be used within a 12 hour period.

APPLICATION RATES

| Coverage | Product Rate by Weight | Product Rate by Volume |
|--------------|------------------------|------------------------|
| 1000 sq ft | 2 ounces | 3 ounces |
| 5000 sq ft | 1/2 pound | 1.5 cups |
| 20,000 sq ft | 2 pounds | 6 cups |
| 1 acre | 5 pounds | 14 cups |
| 1 hectare | 5-Kg | 7.5 liters |

TACKIFIER/INOCULANT WITH BENEFICIAL BACTERIA FOR HYDROMULCHING

GUARANTEED ANALYSIS OF SOIL AMENDING INGREDIENTS

MICROBIAL CONTENT 18 Billion cfu/Lb

- 3 Billion cfu/Lb *Bacillus licheniformis*
- 3 Billion cfu/Lb *Bacillus megaterium*
- 3 Billion cfu/Lb *Bacillus polymyxa*
- 3 Billion cfu/Lb *Bacillus subtilis*
- 3 Billion cfu/Lb *Bacillus thuringiensis*
- 3 Billion cfu/Lb *Paenibacillus azotofixans*

| | |
|---|-------|
| Polyacrylamide | 60% |
| Humic Acids | 12.5% |
| Sea Kelp Extract (<i>Ascophyllum nodosum</i>) | 14% |
| Yeast Extract | 2.2% |
| Sugar (dextrose) | 1.8% |
| Inert Ingredients | 9.5% |
| 5.5% Non Humic Acid, components of Leonardite Extract | |
| 3% Water Moisture | |
| 1% Polyethylene Glycol | |

STORAGE/SHELF LIFE

This product is stable in cool, dry storage conditions. See expiration date on package.

HEALTH AND SAFETY INFORMATION

- In case of allergic reaction(s), or skin irritation, treat symptoms and contact physician.
- Avoid breathing dust or spray mist.
- Wash hands after handling.
- Very low toxicity by ingestion.
- **Keep out of reach of children.**

PACKAGING

5-Lb box

TECHNICAL ASSISTANCE

For technical assistance, call 1-800-421-9051

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