

PHC BioPak®

PHC BioPak enriches the soil profile with beneficial microbes which act as a sustainable fertility "system." Once the microbes are in place in the root zone, they solubilize phosphorus, fix atmospheric nitrogen and can gradually improve soil tilth, processes that encourage healthy root growth. **PHC BioPak:**

- Increases organic content of the soil
- Increases the natural bioactivity in sterile or depleted soils
- Improves fertility in the root zone

DIRECTIONS FOR USE

Add PHC BioPak to the spray or injection tank. PHC BioPak has a near-neutral pH of 6.0. As a result, PHC BioPak can be tank mixed with most diluted pesticides and NPK fertilizers. Add PHC BioPak to the tank last, after all other products have been diluted. PHC BioPak can be applied to soil by spray, drench, fertigation, or soil injection techniques. If applied to soil surface, follow with water to wash the product down into the root zone.

Hose-End Sprayer: Add 1 cup of PHC BioPak into cartridge and spray over 10,000 square feet of lawn or 5000 square feet of flower bed. Follow with water to wash product into the root zone. Mixed solution should be used within a 12 hour period.

RENEWABLE, SUSTAINABLE FERTILITY

NOT A PLANT FOOD PRODUCT.
CONTAINS NON PLANT FOOD INGREDIENTS.

SOIL AMENDING INGREDIENTS

MICROBIAL CONTENT 45 Billion cfu/Lb

- 7.5 Billion cfu/Lb *Bacillus licheniformis*
- 7.5 Billion cfu/Lb *Bacillus megaterium*
- 7.5 Billion cfu/Lb *Bacillus polymyxa*
- 7.5 Billion cfu/Lb *Bacillus subtilis*
- 7.5 Billion cfu/Lb *Bacillus pumilus*
- 7.5 Billion cfu/Lb *Paenibacillus azotofixans*

HUMIC ACIDS (derived from Leonardite) 31%

MICROBIAL NUTRIENTS 43%

- 13.5% Maltodextrin
- 24% Seaweed extract (derived from *Ascophyllum nodosum*)
- 5.5% Yeast extract

INERT INGREDIENTS 26%

- 14% Leonardite extract (other than humic acids)
- 11% Precipitated silica
- 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), treat symptoms and contact physician.
- Avoid breathing dust or spray mist.
- Wash hands after handling.
- In case of ingestion, seek medical attention.
- **Keep out of reach of children.**

PACKAGING

- 1# Jar
- 8 x 1/2# Bag
- 50# Box

TECHNICAL ASSISTANCE

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

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APPLICATION RATES				
TREE/SHRUB CARE RATES				
Application	PHC BioPak	Water Volume	Coverage	Frequency
Installation	1 pound	50 to 100 gallons	1250 square feet	At planting
Maintenance	1/2 pound	50 to 100 gallons	1250 square feet	Monthly
Stress	1 pound	50 to 100 gallons	1250 square feet	As needed
TURF CARE RATES				
Application	PHC BioPak	Water Volume	Coverage	Frequency
Greens and Tees	1 pound	50 to 100 gallons	1 acre	Monthly
Fairways and Lawns	1 pound	50 to 100 gallons	1 acre	As needed
New Seeding or Overseeding	2 pounds	50 to 100 gallons	1 acre	Every 2 to 4 weeks after germination
Sod Installation	2 pounds	50 to 100 gallons	1 acre	1 to 2 weeks prior to harvest or immediately after installation
ORNAMENTAL PLANTS/POTTED PLANTS				
Application	PHC BioPak	Water Volume	Coverage	Frequency
Flower Beds	1/4 pound	5 to 15 gallons	5000 square feet	Every 2 to 4 weeks
Potted Plants	2 teaspoons	1 gallon	Up to 1/4 of pot volume	Every 2 to 4 weeks
IN-LINE SYSTEMS				
Fertigation	PHC BioPak	Mix Tank	Dilution Setting	Frequency
Dosatron	5 pounds	5 gallons	1:100	Every 2 to 4 weeks

After application, rinse water through system to clear all product from the lines.