

TODAY'S TECHNOLOGY FOR TOMORROW'S ENVIRONMENT™

Plant Health Care™

PHC BioPak® Plus

3 • 0 • 20

**BIOLOGICAL FERTILIZER, MICRONUTRIENTS AND
MICROBIAL INOCULANT FOR LANDSCAPE PLANTS**

WATER-SOLUBLE POWDER

Translation Error.

■ **BULK POWDER**
Net Wt 8 Lbs (3.63-Kg)

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

PHC BioPak® Plus

PHC BioPak® Plus is a dry, water soluble micronutrient treatment that includes 3-0-20 NPK fertilizer and numerous strains of beneficial rhizosphere bacteria that fix nitrogen, solubilize phosphorus, and biodegrade organic matter to release bound minerals. Micronutrient treatments are excellent for plants undergoing or recovering from stress, and for plants expressing symptoms of mineral deficiencies such as chlorosis (pale leaf color) and necrosis (localized tissue death).

DIRECTIONS FOR USE

PHC BioPak® Plus has a near-neutral pH of about 6 and can be tank mixed with diluted pesticides and fertilizers. Add product to the tank last. Mixed solution should be used within 12 hours.

APPLICATION RATES

ORNAMENTAL PLANTS/POTTED PLANTS

APPLICATION	PHC BIOPAK PLUS	WATER VOLUME	METHOD OF APPLICATION	COVERAGE
New plantings	1 pound	25 gallons	Drench or spray to soil saturation	1000 square feet
Maintenance	1 pound	25 gallons	Drench or spray to soil saturation	2000 square feet
Pre-Digging/ Transplanting	3 pounds	100 gallons	Drench 2 days prior to digging and immediately after installation	5-gal 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

TREE/SHRUB CARE RATES

APPLICATION	PHC BIOPAK PLUS	WATER VOLUME	METHOD OF APPLICATION	COVERAGE
Initial Application	2 pounds	50 to 100 gallons	Soil inject, drench or spray	1000 square feet
Maintenance	1 pound	50 to 100 gallons	Soil inject, drench or spray	1000 square feet
Iron Deficiency	3 pounds	50 to 100 gallons	Soil inject, drench or spray	1000 square feet

TURF CARE RATES

APPLICATION	PHC BIOPAK PLUS	WATER VOLUME	FREQUENCY	COVERAGE
Lawns	1 pound	50 to 100 gallons	Monthly or as needed	10,000 square feet
Seeding/Overseeding	1 pound	50 to 100 gallons	Every 2 to 4 weeks as needed	10,000 square feet
Sod Installation	1 pound	50 to 100 gallons	2-3 days prior to harvest or after installation	10,000 square feet
Hydroseeding	5 pounds	Tank mix at seeding	At time of seeding	1 acre

IN-LINE SYSTEMS

FERTIGATION	PHC BIOPAK PLUS	MIX TANK	DILUTION SETTING	PROCEDURE
Dosatron	5 pounds	5 gallons	1:100	After application, rinse water through system

STORAGE

This product is stable in cool, dry storage conditions.

HEALTH AND SAFETY INFORMATION

- In case of allergic reaction(s), treat symptoms and contact physician.
- Avoid breathing dust or spray mist or contact with eyes or broken skin
- In case of ingestion, seek medical attention.
- Wash hands after handling.
- **Keep out of reach of children.**

TECHNICAL ASSISTANCE

For technical assistance, call 1-800-421-9051. Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-phc.com>.

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GUARANTEED ANALYSIS 3-0-20

Total Nitrogen (N)	3%
3% Urea Nitrogen	
Soluble Potash (K ₂ O).....	20%
Magnesium (Mg).....	1.5%
1.5% Water Soluble Magnesium (Mg)	
Sulfur (S).....	4%
4% Combined Sulfur (S)	
Boron (B).....	0.02%
0.02% Water Soluble Boron (B)	
Iron (Fe).....	7%
7% Water Soluble Iron (Fe)	
Manganese (Mn)	0.2%
0.2% Chelated Manganese (Mn)	
Zinc (Zn)	0.2%
0.2% Chelated Zinc (Zn)	

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

CONTAINS NON PLANT FOOD INGREDIENTS

GUARANTEED ANALYSIS PLANT/SOIL AMENDING INGREDIENTS

Rhizosphere <i>Bacillus spp.</i>	5 Billion cfu/Lb
833 Million cfu/Lb <i>Bacillus licheniformis</i>	
833 Million cfu/Lb <i>Bacillus megaterium</i>	
833 Million cfu/Lb <i>Bacillus polymyxa</i>	
833 Million cfu/Lb <i>Bacillus subtilis</i>	
833 Million cfu/Lb <i>Bacillus thuringiensis</i>	
833 Million cfu/Lb <i>Paenibacillus azotofixans</i>	
Humic acids derived from Leonardite	3.6%

Microbial Nutrients	14.3%
8.7% Maltodextrin	
3% Sea Kelp extract (<i>Ascophyllum nodosum</i>)	
2.6 % Yucca plant extract (derived from <i>Yucca schidigera</i>)	

Fertilizer Ingredients.....	75.6%
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INERT INGREDIENTS	6.5%
2.4% Polyethylene glycol	
2.4% Precipitated silica	
1.7% Leonardite extract (other than humic acids)	

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