

PHC[®] for Flowers 12-16-12

PHC for Flowers 12-16-12 is a dry, water soluble biofertilizer formulated to improve the nutritional health, color and vigor of flowering plants. It contains the highest quality soluble minerals combined with yucca plant extract, humates, beneficial nitrogen-fixing and phosphorus-solubilizing rhizosphere bacteria. The phosphorus levels in PHC for Flowers 12-16-12 are moderate to ensure application compatibility with mycorrhizal fungi. Research shows that application of phosphorus greater than 100 pounds per acre can inhibit the development of mycorrhizae.

PHC for Flowers 12-16-12:

- Colonizes the root zone with beneficial microbial populations that improve soil fertility and provide renewable levels of mineral nutrients
- Increases survival and growth of new plantings
- Improves soil bioactivity

DIRECTIONS FOR USE

MIX RATE: Add 1 tablespoon per gallon of water and mix well. One pound of PHC for Flowers 12-16-12 makes approximately 35 gallons and covers about 350 square feet.

FLOWERS AND ORNAMENTAL PLANTS: Mix with water and apply by spray or drench to soil saturation.

FOR POTTED PLANTS: Apply a volume of solution approximately equal to a quarter of the pot volume.

FOR GARDEN PLANTS: Apply at a rate of 1 gallon per 10 square feet. Irrigate after treatment to rinse the product into the soil.

HOSE END SPRAYER: Fill cartridge with dry product to 2/3 capacity or less, counting dry tablespoons as you fill. Each tablespoon covers 10 square feet. Connect to hose and spray over area as evenly as possible until all the product is gone. For even application, use a sprayer with siphon and set dial on medium setting. Continue applying water to rinse the product into the soil.

Repeat: for best results, repeat application every 2 to 4 weeks.

APPLICATION RATES				
Application	Rate	Suggested Water Volume	Method of Application	Coverage
Flower Beds, Roses, Bedding Plants, Gardens, Ground Covers, Trees and Shrubs	3 pounds	75 gallons	Drench or spray to soil saturation	1000 sq ft
Potted Plants	4 tsp.	1 Gallon	Drench soil	1/4 of pot volume

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.**

MICROBIAL INOCULANT AND BIOFERTILIZER FOR FLOWER BEDS AND GARDENS

GUARANTEED ANALYSIS 12-16-12

NUTRIENT	% By Weight
Total Nitrogen (N)	12%
3.1% Ammoniacal Nitrogen	
3.3% Nitrate Nitrogen	
5.6% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	16%
Soluble Potash (K ₂ O)	12%
Copper (Cu)	0.05%
Iron (Fe)	0.15%
Manganese (Mn)	0.05%
Zinc (Zn)	0.06%

Derived from: Ammonium Phosphate, Urea, Potassium Nitrate, Copper Sulfate, Iron EDTA, Manganese EDTA, Zinc EDTA

ACTIVE INGREDIENTS	31.8%
Humic acids	1.6%
Microbial Nutrients	30.2%
28.5% Maltodextrin	
1.2% Seaweed Extract (<i>Ascophyllum nodosum</i>)	
0.5% Yeast Extract	

MICROBIAL CONTENT	4.5 Billion cfu/Lb
750 Million cfu/Lb <i>Bacillus licheniformis</i>	
750 Million cfu/Lb <i>Bacillus megaterium</i>	
750 Million cfu/Lb <i>Bacillus polymyxa</i>	
750 Million cfu/Lb <i>Bacillus subtilis</i>	
750 Million cfu/Lb <i>Bacillus thuringiensis</i>	
750 Million cfu/Lb <i>Paenibacillus azotofixans</i>	

INERT INGREDIENTS	68.2%
65.2% Fertilizer Ingredients	
1.7% Polyethylene glycol	
0.7% Non humic acid components of Leonardite extract	
0.6% Precipitated Silica	

STORAGE/SHELF LIFE

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

PACKAGING

8-Lb bag

TECHNICAL ASSISTANCE

For technical assistance, call 1-800-421-905



Plant Health Care, Inc.
440 William Pitt Way • Pittsburgh, PA 15238
Tel: (800) 421-9051 • Fax: (412) 826-5445
www.planthealthcare.com

© 2005 Plant Health Care, Inc.

7/06



LIMITED WARRANTY Plant Health Care, Inc. offers for sale the product PHC[®] for Flowers 12-16-12. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE which extend beyond the description of the product in this specification sheet or other product literature, and liability of Plant Health Care, Inc. is limited to replacement of any product which does not meet these specifications. Suggestions for use and information on results obtained with its use are assumed by the manufacturer to be reliable. Since conditions of use are outside the control of Plant Health Care, Inc. the buyer is responsible for all results, including injury and damage stemming from the use of this product alone or in combination with other materials.