

TODAY'S TECHNOLOGY FOR TOMORROW'S ENVIRONMENT™

# Plant Health Care™

## PHC® for Flowers

**12•16•12**

**BIOLOGICAL FERTILIZER AND MICROBIAL  
INOCULANT FOR FLOWER BEDS AND GARDENS**

**Net Wt 8 Lbs (3.63-Kg)**

# PHC<sup>®</sup> for Flowers

PHC<sup>®</sup> for Flowers 12-16-12 is a water soluble microbial inoculant and fertilizer formulated specifically for flower beds and gardens. It contains NPK fertilizer and select micronutrients, plus beneficial rhizosphere bacteria that colonize the root zone, and promote soil fertility through fixation of nitrogen, solubilization of phosphorus, and biodegradation of organic matter, releasing soluble minerals. The microbial effects are lasting, as these bacteria continually reproduce, sustaining their beneficial activities for long term fertilization.

## DIRECTIONS FOR USE

**Mix Rate:** Add 1 tablespoon per gallon of water and mix well. One pound of PHC<sup>®</sup> for Flowers 12-16-12 makes approximately 35 gallons and covers about 350 square feet.

**Flowers & 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 a siphon and set dial on a 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	Water Volume	Method of Application	Coverage
Flower beds, roses, bedding plants, gardens, ground covers, trees and shrubs	3 pounds	75 gallons*	Drench or spray soil and follow with irrigation	1000 sq ft
Potted plants	4 teaspoons	1 gallon	Drench soil	1/2 of pot volume

\*For area treatments, water volume is suggested. Use more or less water as desired.

## STORAGE/SHELF LIFE

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.
- 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>.

Plant Health Care, Inc. • 285 Kappa Drive, Suite 100  
Pittsburgh, PA 15238 • Tel: (800) 421-9051  
Fax: (412) 826-5445 • [www.planthealthcare.com](http://www.planthealthcare.com)  
© 2009 Plant Health Care, Inc

**LIMITED WARRANTY** Plant Health Care, Inc. offers for sale the product PHC<sup>®</sup> for Flowers. 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.



### GUARANTEED NUTRIENT ANALYSIS 12-16-12

Total Nitrogen (N).....	12%
3.1% Ammoniacal Nitrogen	
3.3% Nitrate Nitrogen	
5.6 % Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	16%
Soluble Potash (K <sub>2</sub> O) .....	12%
Copper (Cu).....	0.05%
Iron (Fe).....	0.15%
0.15% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese (Mn)	
Zinc (Zn) .....	0.06%
0.06% Chelated Zinc (Zn)	
<b>Derived From:</b> Ammonium phosphate, Urea, Potassium nitrate, Copper sulfate, Iron EDTA, Manganese EDTA, Zinc EDTA	

### CONTAINS NON PLANT FOOD INGREDIENTS

#### SOIL AMENDING INGREDIENTS

Active Ingredients	
Humic acids.....	1.6%
Microbial Nutrients .....	30.2%
28.5% Maltodextrin	
1.2% Seaweed Extract ( <i>Ascophyllum nodosum</i> )	
0.5% Yeast Extract	
Rhizosphere Bacteria.....	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 pumilus</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	

EXPIRATION DATE