

PHC® NATURALLY BETTER

# PHC® FOR TREES

## 19-0-18

WATER DISPERSIBLE BIOFERTILIZER FOR TREES AND SHRUBS



**ZERO  
PHOSPHATE**

Suitable for use in areas  
with phosphate restrictions

Net Wt 8 Lbs (3.6-Kg)

# PHC<sup>®</sup> FOR TREES

## 19-0-18

### APPLICATION AND RATES:

**Soil Injection:** Mix the recommended amount of PHC<sup>®</sup> for Trees with water, and inject into the soil to a depth of 8 to 10 inches. Start injections immediately past the root flare, being careful to avoid damage to large woody roots. Where possible, injections should cover the entire area beneath the canopy and just beyond the drip line.

#### Standard Injection Rate: 8-Lbs per 1250 sq ft

- Mix 8-Lbs (1 Bag) PHC<sup>®</sup> for Trees per 100-Gal water and

#### Inject:

- 100-Gal per 1250 sq ft. (2 quarts per injection on 2 1/2 foot centers) or
- 5-Gal per inch DBH (diameter at breast height)

#### Compacted or Nonporous Soils: 8-Lbs per 1250 sq ft

- Mix 16-Lbs (2 Bags) PHC<sup>®</sup> for Trees per 100-Gal water and

#### Inject:

- 100-Gal per 2500 sq ft (1 quart per injection on 2 1/2 foot centers) or
- 2 1/2-Gal per inch DBH (diameter at breast height)

Any of the above regimens will apply approximately 1.2-Lbs (0.5-Kg) of nitrogen and 1.15-Lbs (0.5-kg) of soluble potash (K<sub>2</sub>O) per 1000 sq ft (100 m<sup>2</sup>). Apply more or less fertilizer as needed if different nutrient rates are desired, based on seasonal considerations or soil tests. Use the following chart as a guide.

#### Levels of N and K Delivered at Different Application Rates

Lbs per 1250 sq ft	Lbs Nitrogen applied per 1000 sq ft	Lbs Potash applied per 1000 sq ft
8	1.2	1.1
4	0.6	0.58
2	0.3	0.29

**Soil Drench:** Mix the recommended amount of PHC<sup>®</sup> for Trees with water, and drench the entire area beneath the canopy. Mix 8-Lbs (1-Bag) per 100-gallons and apply:

- Established trees: Apply 100-Gal per 1250 sq ft.
- Containerized trees: Apply about 1/4 of the container volume. (example: 1 qt/gal. container)

For best results, follow with water application to rinse the product into the soil. PHC<sup>®</sup> for Trees can be tank mixed with all PHC<sup>®</sup> Injectable products for simultaneous application. *Not formulated for foliar application.*

### HEALTH AND SAFETY INFORMATION:

- In case of allergic reaction(s), treat symptoms and contact physician.
- In case of ingestion, seek medical attention.
- Wash hands after handling.
- Keep out of reach of children.

### STORAGE/SHELF LIFE:

This product is stable in cool, dry storage conditions. Refer to expiration date on package. Do not expose to direct sunlight for extended periods. PHC<sup>®</sup> for Trees will remain an excellent fertilizer, but the number of beneficial microbes may be reduced after the expiration date shown on the package.

### 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>

LIMITED WARRANTY - Plant Health Care, Inc.® offers for sale the product PHC<sup>®</sup> for Trees 19-0-18. 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 ANALYSIS

Total Nitrogen(N) .....	19%
1.24% Ammonical Nitrogen	
5.16% Nitrate Nitrogen	
2.94% Urea Nitrogen	
1.98% Slowly available water soluble Nitrogen*	
7.68% Water insoluble Nitrogen	
Soluble Potash (K <sub>2</sub> O).....	18%
Magnesium (Mg) .....	1.4%
1.4% Water Soluble Magnesium (Mg)	
Sulfur (S) .....	4%
4% Combined Sulfur (S)	
Boron (B).....	0.02%
0.02% Water Soluble Boron (B)	
Copper (Cu) .....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe) .....	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn) .....	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo) .....	0.0009%
0.0009% Water Soluble Molybdenum (Mo)	
Zinc (Zn) .....	0.05%
0.05% Chelated Zinc (Zn)	

Derived from: Urea-formaldehyde, Urea, Ammonium Sulfate, Potassium Nitrate, Magnesium Sulfate, Boric Acid, Iron EDTA, Manganese EDTA, Zinc EDTA, Copper EDTA, and Ammonium Molybdate.

\* 1.98% Slowly available Nitrogen from Ureaformaldehyde

Potential Acidity: 400-Lb Calcium carbonate equivalent per ton

### SOIL/PLANT AMENDING INGREDIENTS

#### Active Ingredients

Rhizosphere Bacillus .....	2.8 Billion cfu/Lb
466 Million cfu/Lb <i>Bacillus licheniformis</i>	
466 Million cfu/Lb <i>Bacillus megaterium</i>	
466 Million cfu/Lb <i>Bacillus polymyxa</i>	
466 Million cfu/Lb <i>Bacillus subtilis</i>	
466 Million cfu/Lb <i>Bacillus pumilus</i>	
466 Million cfu/Lb <i>Paenibacillus azotofixans</i>	
Microbial Nutrients .....	3.3%
2.2% Soluble Seaweed Extract (derived from <i>Ascophyllum nodosum</i> )	
0.8% Maltodextrin	
0.3% Yeast Extract	
Humic Acids (derived from Leonardite) .....	1.8%
RZ-3 Surfactant* (alkoxylated glucopyranoside) .....	2.8%

<b>Inert Ingredients</b> .....	92.1%
91.1% Fertilizer	
1% Leonardite extract (other than humic acids)	

\* RZ-3 is a proprietary surfactant, U.S. Patent # 6,460,290



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