

PHC[®] Injectable for Palms

PHC Injectable for Palms is a soil inoculant formulated to treat existing palms and tropical plants using soil injection equipment. It contains VA endomycorrhizal fungi to improve water and mineral absorption, beneficial rhizosphere bacteria to improve soil fertility by making nutrients more readily available to the plant and Myconate[®] (formononetin), a plant flavonoid that stimulates the colonization of mycorrhizal fungi.

Common landscaping practices, construction and other activities that disturb or compact soil can reduce or eliminate the naturally-occurring beneficial fungi and microbes that normally help sustain plants. Without this assistance, palms and tropical plants are more susceptible to the effects of drought, inclement weather or other environmental stress. PHC Injectable for Palms restores these beneficial organisms to the root zone of palms and tropical plants to help them thrive.

DIRECTIONS FOR USE

Established Palms and Tropicals: Mix one "A" packet and one "B" packet per 50 gallons of water. Inject the area around the trunk following a grid pattern with injections spaced every foot. Inject one quart per hole. The area of the grid is determined by the DBH of the palm: use a 6-ft x 6-ft grid for a 6-in DBH palm, a 12-ft x 12-ft grid for 12-in DBH palm, etc. The following chart provides the number of injections for palms of varying sizes. Follow the same rate and injection pattern for cycads and other tropical plants. Avoid hot injection systems, as prolonged heat above 115°F can kill the spores.

ESTABLISHED PALM INJECTION CHART

DBH (Inches)	Grid Size (Feet)	Square Feet	No. of Injections	Gallons of Mixed Solution
6	6 x 6	36	36	9
8	8 x 8	64	64	16
10	10 x 10	100	100	25
12	12 x 12	144	144	36

B&B Transplants: Mix one "A" packet and one "B" packet per 50 gallons of water, agitate thoroughly, inject root ball and outside edges under 150-200 psi max. with a soil probe at a rate of 1 quart per injection.

APPLICATION RATES FOR B&B PALMS

Root Ball Diameter	Rate per Tree	No. of Injection Sites
24 inch	1.5 gallons	6
36 inch	2 gallons	8
48-50 inch	3 gallons	12
60 inch	4 gallons	16
70 inch	5 gallons	20
80 inch	6 gallons	24

SOIL INJECTABLE MYCORRHIZAL FUNGI INOCULANT

GUARANTEED ANALYSIS OF SOIL AMENDING INGREDIENTS

VA ENDOMYCORRHIZAL (VAM) FUNGI 80,000 spores/Lb

20,000 spores/Lb *Glomus clarum*
 20,000 spores/Lb *Glomus etunicatum*
 20,000 spores/Lb *Glomus intraradices*
 20,000 spores/Lb *Entrophospora columbiana*

MICROBIAL CONTENT 24 Billion cfu/Lb

4 Billion cfu/Lb *Bacillus licheniformis*
 4 Billion cfu/Lb *Bacillus megaterium*
 4 Billion cfu/Lb *Bacillus polymyxa*
 4 Billion cfu/Lb *Bacillus subtilis*
 4 Billion cfu/Lb *Bacillus thuringiensis*
 4 Billion cfu/Lb *Streptomyces azotofixans*

SOIL/PLANT AMENDING INGREDIENTS % by Weight

Humic acids (derived from Leonardite) 15.8%
 Formononetin 0.2%

MICROBIAL NUTRIENTS 68.9%

54.8% Maltodextrin
 11.2% Soluble seaweed extract
 (derived from *Ascophyllum nodosum*)
 2.7% Yeast extract
 0.2% Yucca plant extract

INERT INGREDIENTS 15.1%

6.7% Non Humic Acid components of Leonardite
 6.0% Kaolin clay
 2.4% 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

3.5-Lb (1.59-Kg) resealable bag containing fourteen 4-oz packets (7 each designated "A" and "B")

TECHNICAL ASSISTANCE

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

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