

BioWorks® Bulletin

Info To Grow



January 2008

Reduce Production Costs and Help Minimize Shrink

With the increasing costs of production, reducing expenditures while keeping a healthy crop is an ongoing challenge for growers.



One way to meet this challenge is to use PlantShield® HC and RootShield® Granules for protection from losses due to disease. Studies have shown that proper applications of PlantShield HC and RootShield Granules will prevent root diseases and reduce or eliminate repeated drenches of chemical fungicides. This will ease the stress on your plants **and** your bottom line.

- Controlling diseases means improved root systems for higher quality crops.
- Reduced drenching means lower costs (see table below).

Cost In Use

RootShield Granules or PlantShield HC costs just pennies per tray. One application provides root protection for **10 to 12 weeks** compared to most chemical fungicide drenches which need to be reapplied every 3 - 4 weeks. For longer term crops, the costs of RootShield Granules and PlantShield HC are 2 to 4 times lower than repeat chemical fungicide applications.

For 288 plug trays:

Product	Product Cost ¹	Savings over Chemicals (per 100 trays) ²	Reapplication
RootShield Granules	\$0.04/tray	\$20.00 - \$60.00	10 - 12 weeks
PlantShield HC	\$0.03/tray ³	\$30.00 - \$90.00	10 - 12 weeks

¹Excludes labor. Based on undiscounted grower prices. Your prices may be lower.
²Applied every 3-4 weeks (costs are for 1 to 3 applications).
³Depends on volume of water used and coverage. These examples use 100 gal/800 sq.ft.

Higher Safety: 0-Hour REI - OMRI Listed

Safety gives you peace of mind. The 0-hour REI allows your workers to safely enter immediately after an

application without protective clothing. Plus, evening or weekend applications required with longer REI products can be eliminated, further saving expenses.

Proven Results

The effectiveness of RootShield Granules and PlantShield HC has been proven through a research database on efficacy in over 700 trials in a 15-year period. At BioWorks, we continue to test products in university and third party research trials. More importantly, our customers have experienced great results.

"For improving plant health, BioWorks' PlantShield HC just works! Reducing plant stress in production and at retail is #1 in our program, and we use RootShield Granules in our mix and PlantShield HC in the greenhouse to achieve results."

- Robert Hamrick, Didier Greenhouse, Rockford, IL

NEW!! Watch for the BioWorks "Seasonal Spotlight" -- Brief monthly e-mail tips, reminders and ideas to keep you informed.

Seasonal Spotlight:

Treat your lilies and other bulbs as they come out of the cooler. Treat all of your plug and liner trays after sowing or sticking.

Contact your local BioWorks sales manager to discuss the benefits that BioWorks products can bring to the success of your crops.

West (AZ, CA, HI, NV):	Matt Needham	209-351-1664
Pacific Northwest (AK, ID, MT, OR, WA, WY):	Richard Kelly	503-686-8174
South (AR, CO, LA, NM, OK, TX, UT):	Scott Armstrong	505-202-5699
Midwest (IA, IL, IN, KS, MI, MN, MO, ND, NE, SD, WI):	Rich Reineke	314-707-5367
Great Lakes (KY, OH, WV):	Dick O'Donnell	614-582-2321
Northeast (CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VT):	Mark Farnham	860-874-8253
Southeast (AL, FL, GA, MS, NC, SC, TN, VA):	Chris Hayes, PhD	585-820-6807

To find out more about BioWorks® products you can call us toll free
1-800-877-9443, or visit www.bioworksinc.com.

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BioWorks®

How You Grow Matters

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