



**BioWorks®**  
How You Grow Matters™



# Woody Ornamentals

## Benefits of RootShield® Granules & PlantShield® HC In Landscapes and Nurseries

RootShield Granules and PlantShield HC can help protect your rooted cuttings from damping off diseases (*Rhizoctonia*, *Pythium* and *Fusarium*) resulting with fewer losses and better quality. RootShield Granules and PlantShield HC can help with harder-to-root cuttings by improving root quality and health resulting in greater durability and quicker rooting when transplanting into larger-sized pots or landscapes.

### APPLICATIONS

#### Propagation Beds:

Pre-blend RootShield Granules (1.25 – 1.5 lbs. / cubic yard) into the soil media, or apply PlantShield HC (3 - 5 oz / 100 gallons) at sticking for control of root diseases in the greenhouse and/or to enhance cutting root quality.

A second application of PlantShield HC (2.0 – 4.0 oz / 100 gallons) several days before transplanting or planting cuttings into soil will increase the concentration of the beneficial fungus on the transplant roots for residual in the field.

#### Established Beds:

Apply RootShield Granules at a rate of 1.25 to 1.5 lbs. / 1000 sq. ft. when the soil warms to 48 °F, and follow with a second application (half rate) approximately 6 weeks later.

#### Containers:

When transplanting rooted cuttings, pre-blend RootShield Granules at 1.0 – 1.5 lbs. / cubic yard, or apply PlantShield HC (3 - 5 oz / 100 gallons) at transplanting (first watering) for continued control of root diseases during growth and to enhance root quality and health.

To keep the beneficial fungi at high population levels for continued disease protection and to enhance growth of the crop during the growing season, it is recommended to apply PlantShield HC at 2 - 4 oz / 100 gallons water every three months.

#### Landscapes:

Apply RootShield Granules to the planting hole at a rate of 1 – 8 oz. and incorporate into the planting soil or soil mix. Use higher rate with larger-sized plants.

Dip cuttings or transplants in PlantShield HC dry powder or in suspension of 0.5 lb. PlantShield HC in 5 gallons of water. Plant treated cuttings or transplants in potting mix or soil in the usual manner.

To find out more about the BioWorks family of products, please contact us at 800-877-9443 or visit [www.bioworksinc.com](http://www.bioworksinc.com). © 2008 BioWorks, Inc.

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