



**BioWorks®**



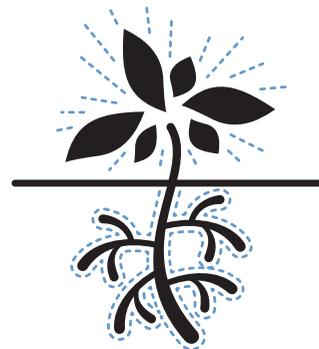
ABOVE AND BEYOND IS WHERE WE BEGIN



## ROOTSHIELD® G

RootShield Granules (G) is more than your typical biofungicide. RootShield G helps roots grow faster and stronger – enabling your crops to fight off a broad range of diseases under a wide range of conditions.

RootShield grows in soils and on roots, shielding them against root damaging fungi, promoting healthier roots and increasing root mass potential. It provides preventative control of major root rot and damping off diseases, including soilborne *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, and *Thielaviopsis*, controlling disease for up to 12 weeks. Multiple modes of action make it an ideal tool for fungicide resistance management. RootShield Granules can be used alone or as part of an IPM program.



ROOTSHIELD G SHIELDS ROOTS FROM DEADLY PATHOGENS, WHILE IMPROVING OVERALL PLANT HEALTH, RESULTING IN HIGHER-QUALITY CROPS.

### ACTIVE INGREDIENTS

*Trichoderma harzianum* T-22 strain

### FEATURES AND BENEFITS

- + Delivers faster and stronger root development
- + Promotes more root hair growth to increase water and nutrient uptake
- + Helps plants resist/overcome drought stress and transplant shock
- + Extensively tested for compatibility with other fungicides, fertilizers, algaecides, insecticides, disinfectants, miticides, herbicides, and growth regulators
- + Ideal for most plant health management programs

### WHERE TO USE

RootShield G is for use in greenhouse, nursery, or field. Apply to most crops, including ornamentals, vegetables, herbs, bulbs, fruits, nuts, trees, shrubs, and tobacco, to prevent root diseases, like damping-off, root rot, crown rot, and wilt caused by species of *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, *Thielaviopsis*, and other soilborne pathogens for up to 12 weeks.

### ROOTSHIELD G FORMULATION

RootShield G is a granular (G) formulation that can be pre-incorporated into growing mixes, nursery beds or field soils.



## ROOTSHIELD® G

### PRODUCT INFORMATION

- + Available Sizes: 10 lb, 40 lb, 500 lb & 1,000 lb
- + Registered for use in the USA except ND
- + EPA Reg. No. 68539-3
- + Est. No. 68539-NY-001
- + MPS Code: 3785/White

### REI & PHI

- + 4-hour REI, 0-day PHI

### SHELF LIFE

- + Below 32 °F (0 °C): 12 months
- + Refrigerated 40 °F (4 °C): 9 months
- + 70 - 75 °F (21-24 °C): 6 months
- + Above 75 °F (24 °C): 2 months or less

### APPLICATION NOTES

- + Thoroughly incorporate RootShield Granules during mix preparation or pot filling, or incorporate into planting beds by raking or tilling
- + RootShield Granules is compatible with many soils and soilless media including peat-, bark- and coir-based mixes, as well as substrates used in hydroponic growing

### BLEND RATES

- + Large volume blend rates are 1.25-1.5 lb/yd<sup>3</sup> of mix, or a minimum of three 40 lb bags per truckload of mix (100 yds<sup>3</sup>)
- + If you prefer large-volume custom blending with your media, contact your mix company
- + The shelf life of RootShield Granules when blended at 1.5 lb/yd<sup>3</sup> is 3 months at below 32 °F, 5 months at 40 °F, 5 months at 70-75 °F, and 2 months or less above 75 °F

### APPLICATION RATES

- + **In-furrow soil treatment:** 2.5-6 lb/half acre  
*Use a metering device to deliver RootShield Granules into the planting furrow.*
- + **Greenhouse/Nursery Planting Mix:**  
1-3 lb/yd<sup>3</sup> soil mix  
Small volume rate: 3 Tbsp (25 g)/ft<sup>3</sup> of potting soil
- + **Container Topdress:** See label for rate per container size
- + **Nursery Bed Application:** 0.5-7.5 lb/1,000 sq.ft. bed Incorporate with rake or tiller.
- + **Trees and Shrubs:** 0.2-8 oz/transplant hole

### GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just four hours. So you can get back to the business of successful growing.



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