



**BioWorks®**



ABOVE AND BEYOND IS WHERE WE BEGIN



## ROOTSHIELD® PLUS<sup>+</sup> WP

RootShield PLUS<sup>+</sup> WP is more than your typical biofungicide. Featuring a patented combination of *Trichoderma* strains, RootShield PLUS<sup>+</sup> WP helps roots grow faster and stronger – enabling your crops to fight off a broader range of diseases under a wider range of conditions.

RootShield PLUS<sup>+</sup> 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 *Phytophthora*, *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 PLUS<sup>+</sup> can be used alone, in a tank mix, or in rotation as part of an IPM program.



ROOTSHIELD PLUS<sup>+</sup> WP SHIELDS ROOTS FROM DEADLY PATHOGENS, WHILE IMPROVING OVERALL PLANT HEALTH, RESULTING IN HIGHER-QUALITY CROPS.

### ACTIVE INGREDIENTS

*Trichoderma harzianum* T-22 strain and *Trichoderma virens* G-41 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 PLUS<sup>+</sup> WP is for use in greenhouse, nursery, landscape or field. Apply to most crops, including ornamentals, vegetables, herbs, bulbs, fruits, nuts, trees, shrubs, turf, and tobacco, to prevent root diseases like damping-off, root rot, crown rot, and wilt caused by species of *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, *Thielaviopsis*, and other soilborne pathogens for up to 12 weeks.

### ROOTSHIELD PLUS<sup>+</sup> WP FORMULATION

RootShield PLUS<sup>+</sup> WP is a wettable powder (WP) formulation that can be applied as a drench, preplant dip or through greenhouse and field chemigation systems.



## ROOTSHIELD® PLUS<sup>+</sup> WP

### PRODUCT INFORMATION

- + Available Sizes: 1 lb, 3 lb & 30 lb
- + Registered for use in the USA except AK
- + EPA Reg. No. 68539-9
- + Est. No. 68539-NY-001
- + US Patent Approved: 9,681,668
- + MPS Code: 3887/White

### REI & PHI

- + 4-hour REI, 0-day PHI

### SHELF LIFE

- + Below 32 °F (0 °C): 12 months
- + Refrigerated 40 °F (4 °C): 10 months
- + 70 - 75 °F (21-24 °C): 4 months
- + Above 75 °F (24 °C): 1 month or less

### APPLICATION NOTES: DRENCH AND IRRIGATION

- + Active over a wide range of temperatures (48-97 °F/9-36 °C) and pH levels (pH 4-8).
- + Well suited to a variety of soil types (sandy to heavy), growing media, and hydroponics
- + Suspend RootShield PLUS<sup>+</sup> WP in sufficient water with agitation
- + Apply as a drench or through irrigation to greenhouse planting mixes and container nursery crops
- + Constant agitation in a stock tank is required to maintain suspension
- + Can be applied through low pressure watering nozzles, sub-irrigation or other drenching systems
- + When using a fertilizer injector to drench, keep the injector pick-up tube screen at least 1-2 inches from the bottom of the tank
- + Set the injector at 1:100

### APPLICATION RATES

- + Un-rooted or bare-root transplant dip: 3.0 oz /10 gal
- + Soil, potting mix or other growing medium drench: 3-8 oz/100 gal
- + In-furrow / spray / transplant starter solution: 16-32 oz/acre
- + Greenhouse and field chemigation: 3-8 oz/100 gal
- + Pre-plant dust: 0.03-3 oz/100 lb bulbs or tubers

**Tank Mixing:** RootShield PLUS<sup>+</sup> WP can be tank mixed and is compatible with many common fungicides, liquid fertilizers, herbicides, insecticides and biological control products. Consult [BioWorks Product Compatibility Tool](#) for more information.

### 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.



**BioWorks**®

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