



**BioWorks**<sup>®</sup>  
DIVISION OF BIOFIRST GROUP



ABOVE AND BEYOND IS WHERE WE BEGIN



## ROOTSHIELD<sup>®</sup> 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 also provides preventative control of major root rot and damping off diseases, including soilborne *Phytophthora*, *Pythium*, *Fusarium*, and *Rhizoctonia*. RootShield PLUS<sup>+</sup> WP also provides partial suppression of *Sclerotinia homoeocarpa* and *Pythium* in turf – controlling disease for 12 weeks. Ideal for resistance management, RootShield PLUS<sup>+</sup> can be used alone, in a tank mix, or rotated in an IPM program.



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

### ACTIVE INGREDIENTS

*Trichoderma harzianum* T-22 strain and *Trichoderma virens* G-41 strain

### FEATURES AND BENEFITS

- + Seeks out, attacks and eats fungal pathogens
- + Induces host resistance
- + Active over wide temperature range (9-36 °C)
- + Grows in a wide pH range (pH 4-8)
- + Enhances nutrient uptake
- + Helps plants resist/overcome abiotic stresses and transplant shock
- + Excellent tool for fungicide resistance management
- + Does not interfere with beneficial insects
- + Exempt from residue

### WHERE TO USE

- + Ornamentals in greenhouse and outdoor nursery
- + Greenhouse vegetables, herbs, strawberries, wasabi
- + Cannabis produced commercially indoors
- + Outdoor container grown herbs
- + Field grown cucurbits, low growing berries, ginseng
- + Turf

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

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



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

### PRODUCT INFORMATION

- + Available Sizes: 1.36 kg & 13.6 kg
- + Registration No. 30539
- + MPS Code: 3887/White

### REI & PHI

- + 4-hour REI, 0-day PHI

### SHELF LIFE

- + Frozen below 0 °C: 12 months
- + Refrigerated 4.5 °C: 10 months
- + Room temp 25 °C: 8 months
- + Above 25 °C: 1 month or less

### APPLICATION NOTES: DRENCH AND IRRIGATION

- + 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 2.5-3 cm from the bottom of the tank
- + Set the injector at 1:100

### APPLICATION RATES

- + Soil, potting mix or other growing medium drench: 30-60 g in 100 L of water applied to 10 m<sup>2</sup> of soil/potting mixture surface
- + Chemigation: 30-60 g in 100 L of water
- + Turf: 45 g/100 m<sup>2</sup>. Mix the above application rates in a 4 - 20 L of water per 100m<sup>2</sup>

**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 the RootShield *PLUS*<sup>+</sup> WP Compatibility Chart 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 48 hours. So you can get back to the business of successful growing.



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