



**BioWorks®**

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## RootShield® PLUS<sup>+</sup> WP

RootShield PLUS<sup>+</sup> WP is an organic biological fungicide with dual active ingredients that prevent a broad spectrum of root diseases and promote healthy root systems.

**Active Ingredients:** *Trichoderma harzianum* strain T-22  
*Trichoderma virens* strain G-41

### Benefits & Features

- OMRI Listed
- Grows in soil and on roots, shields roots from pathogens
- Seeks out, attacks and eats fungal pathogens
- Induces host resistance
- Active over wide temperature range (48-97 °F/9-36 °C)
- Grows in a broad pH range (pH 4-8)
- Well suited to a variety of soil types
- Enhances nutrient uptake
- Helps plants resist/overcome abiotic stresses and transplant shock
- Excellent tool for fungicide resistance management
- Compatible with many chemical and biological inputs
- Compatible with BCAs
- 0-day PHI with no MRL

### SUSTAINABLE. SIMPLE. SUPPORT.

For over 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education, and service.



### DISEASE CONTROL

RootShield PLUS<sup>+</sup> WP provides preventative control of major root diseases including soilborne *Phytophthora*, *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, and *Thielaviopsis* species. RootShield PLUS<sup>+</sup> controls disease for up to 12 weeks.



### HEALTHY ROOTS

RootShield PLUS<sup>+</sup> WP grows in soils and on roots shielding them against root damaging fungi, promoting healthier roots and increasing root mass potential.



### MULTIPLE MODES OF ACTION

With dual active ingredients, RootShield PLUS<sup>+</sup> WP prevents a greater spectrum of root diseases.



## AN ORGANIC BIOFUNGICIDE WITH DUAL ACTIVE INGREDIENTS TO CONTROL ROOT DISEASES



### PRODUCT INFORMATION

- *Trichoderma harzianum* strain T-22 and *Trichoderma virens* strain G-41
  - Available Sizes: 1 lb, 3 lb & 30 lb
  - Registered for use in the USA except AK
- 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



For use on greenhouse and nursery ornamentals, vegetables, herbs and fruits.  
EPA registered: Reg. No. 68539-9 Est. No. 68539-NY-001  
US Patent Approved: 9,681,668 MPS Code: 3887/White



### APPLICATION NOTES

#### DRENCH & 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 1-2 inches from the bottom of the tank
- Set the injector at 1:100



### APPLICATION RATES

- Un-rooted or bare-root transplant dip: 0.25-1.5 lb/20 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 lb/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 the RootShield PLUS<sup>+</sup> WP Compatibility Chart for more information.

#### TECHNICAL SUPPORT

If you are a commercial grower with a question or if you want to discuss a particular issue, contact us.

Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

**(800) 877-9443 or [expert@bioworksinc.com](mailto:expert@bioworksinc.com)**

#### THE STRAIN GAME

Not all biological strains are created equal. Strains from the same species can vary greatly in overall effectiveness. RootShield PLUS<sup>+</sup> *Trichoderma* strains T-22 and G-41 were selected from thousands for their exceptional ability to control a broad spectrum of soil-borne diseases under a wide range of conditions.