



## RootShield® WP

RootShield WP is an organic biological fungicide that prevents a broad spectrum of root diseases and promotes healthy root systems.

**Active Ingredient:** *Trichoderma harzianum* strain T-22

### 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)
- Compatible with many chemical and biological inputs
- Well suited to a wide range of soil types
- Enhances nutrient uptake
- Helps plants resist/overcome abiotic stresses and transplant shock
- Excellent tool for fungicide resistance management
- Does not interfere with beneficial insects
- 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

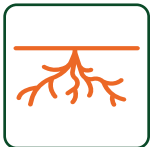
RootShield WP provides preventative control of major root diseases including *Pythium*, *Fusarium*, *Rhizoctonia*, *Cylindrocladium*, and *Thielaviopsis species*.

RootShield WP controls disease for up to 12 weeks.



### HEALTHY ROOTS

RootShield WP grows in soils and on roots shielding them against root damaging fungi, promoting a healthier roots and increasing root mass potential.



### INTEGRATED PEST MANAGEMENT

RootShield WP is an effective tool in IPM programs to help manage fungicide resistance.



## AN ORGANIC BIOFUNGICIDE FOR THE CONTROL OF ROOT DISEASES



### PRODUCT INFORMATION

- *Trichoderma harzianum* strain T-22
- 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):	8 months
Refrigerated 40 °F (4 °C):	6 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. 68539-7

Est. No. 68539-NY-001

MPS Code: 3493/White



### APPLICATION NOTES

#### DRENCH & IRRIGATION

- Suspend RootShield 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: 0.5-2.5 lb/5 gal, or dip into dry powder
- Soil, potting mix or other growing medium drench: 3-5 oz/100 gal, or for smaller volume 1-2 Tbsp/5 gal
- In-furrow spray / transplant starter solution: 16-32 oz/acre
- Greenhouse and field chemigation: 3-5 oz/100 gal

Tank Mixing: RootShield WP can be tank mixed and is compatible with many common fungicides, liquid fertilizers, herbicides, insecticides and biological control products. Consult the RootShield 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 *Trichoderma* strain T-22 was selected from thousands for its exceptional ability to control a broad spectrum of soil-borne diseases under a wide range of conditions.