



## RootShield® WP



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

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

### Benefits & Features

- May be suitable for use in organic agriculture
- Grows in soil and on roots, shielding roots from pathogens
- Seeks out, attacks and eats fungal pathogens
- Induces host resistance
- Active over a wide temperature range (9-36 °C)
- Grows in a wide 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
- Exempt from residue tolerance/MRLs (Maximum Residue Limits)

### 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*, *Rhizoctonia* and *Fusarium*.

RootShield WP controls disease for 10-12 weeks.



### HEALTHY ROOTS

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



### MULTIPLE MODES OF ACTION

RootShield WP is ideal for use in resistance management. Can be used alone, in a tank mix, or as part of an IPM program.





## A BIOFUNGICIDE FOR THE CONTROL OF ROOT DISEASES



### PRODUCT INFORMATION

- *Trichoderma harzianum* strain T-22
- Available Sizes: 0.45 kg, 1.36 kg, & 13.6 kg

#### REI & PHI

- No REI, 0-day PHI

#### SHELF LIFE

Below 0 °C:	12 months
Refrigerated 4 °C:	10 months
Room temp 25 °C:	4 months
Above 24 °C:	1 month or less

For use on greenhouse and nursery ornamentals; vegetables, herbs and fruits; cannabis produced commercially indoors

REGISTRATION NO. 29890  
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

- Soil, potting mix or other growing medium drench: 30-45 g in 100 L of water
- Dip application to bulbs: 60g/L
- Hops: 3-4kg/ha

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.