RootShield® WP Biological Fungicide

**ACTIVE INGREDIENT:**
Trichoderma harzianum Rifai strain KRL-AZ2®

**OTHER INGREDIENTS:**
US Patent No. 5,260,213

**US EPA REG. NO.:**
68539-7

**EPA EST. NO.:**
085539-NY-001

**MANUFACTURED BY:**
BioWorks

**DIRECTIONS FOR USE:**

RootShield® WP Biological Fungicide is a biocontrol product for the suppression of disease on a wide variety of ornamental and horticultural crops. It is a biological control product that contains a strain of the fungus Trichoderma harzianum Rifai strain KRL-AZ2®. This fungus is a natural antagonist that competes with other fungi for space and nutrients, thereby reducing the growth and reproduction of pathogenic fungi. It is effective against a wide range of soil-borne and foliar diseases, including those caused by fungi, bacteria, and nematodes.

**APPLY VIA GROUND APPLICATION ONLY (cont).**

<table>
<thead>
<tr>
<th>CROP</th>
<th>RATE</th>
<th>APPLY VIA GROUND APPLICATION ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>APPLY VIA GREENHOUSE APPLICATION ONLY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLY VIA HAND DUSTING</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLY VIA FURROW INJECTION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLY VIA SOIL DRENCH</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLY VIA CUTTINGS OR BARE ROOTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>APPLY VIA TUBERS AND BULBS</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

- Do not mix or tank mix with other pesticides.
- Do not apply to sugarcane, pechay, rice, mushrooms, kiwi, tobacco, strawberries, grapes, transplants, and other products not labeled for use.
- Do not apply to ornamentals, flowers, shrubs, trees, or fruits.
- Do not apply to any species other than those listed on the label.
- Do not apply to any species other than those listed on the label.

**KEEP OUT OF REACH OF CHILDREN**

**DIRECTIONS FOR USE:**

- Apply RootShield® WP Biological Fungicide in a well-ventilated area.
- Do not apply if rain is expected within 12 hours of application.
- Do not apply to any species other than those listed on the label.
- Do not apply to any species other than those listed on the label.

**APPLICATION INSTRUCTIONS:**

- Apply RootShield® WP Biological Fungicide in a well-ventilated area.
- Do not apply if rain is expected within 12 hours of application.
- Do not apply to any species other than those listed on the label.

**GENERAL INSTRUCTIONS:**

- Do not apply to any species other than those listed on the label.
- Do not apply to any species other than those listed on the label.

**KEEP OUT OF REACH OF CHILDREN**

**DIRECTIONS FOR USE:**

- Apply RootShield® WP Biological Fungicide in a well-ventilated area.
- Do not apply if rain is expected within 12 hours of application.
- Do not apply to any species other than those listed on the label.

**APPLICATION INSTRUCTIONS:**

- Apply RootShield® WP Biological Fungicide in a well-ventilated area.
- Do not apply if rain is expected within 12 hours of application.
- Do not apply to any species other than those listed on the label.

**GENERAL INSTRUCTIONS:**

- Do not apply to any species other than those listed on the label.
- Do not apply to any species other than those listed on the label.


### Chart Required Information

- If tank mixes are desired, observe the most restrictive of labeling limitations compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products.
- RootShield® WP Biological Fungicide is a registered trademark of BioWorks, Inc.
- Metalaxyl 21.3%, Liquid Subdue Maxx 0.25 oz/800 ft² 0.05 oz/gal
- Captan 85%, Wettable Powder Captan 85 WP 1.88 lb/Acre 0.1 oz/gal

### Requirements for Chemigation Systems Connected to Public Water Systems:

1. The system must contain a functional check valve, vacuum relief valve and low pressure shutoff valve. The low pressure shutoff valve must be a solenoid-operated valve located on the intake side of the injection pump and connected with the injection line. It must be designed to automatically shut off the injection pump when the water pressure decreases to the point where pesticide injection cannot occur.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing, normally closed, solenoid-operated valve located on the intake side of the injection pump to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve between the fill line and the intake of the injection pump. This valve will stop the water pump motor when the water pressure decreases to the point where pesticide injection cannot occur.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located between the fill line and the intake of the injection pump. This valve will stop the water pump motor when the water pressure decreases to the point where pesticide injection cannot occur.
5. Systems using a capacity-filling pesticide system must use a pesticide concentration of 1.0 to 4.0%. If the concentration of the pesticide solution does not reach the maximum concentration allowed in the pesticide concentration, the pesticide injection system must be adjusted to deliver the maximum concentration allowed in the pesticide concentration.

### Flood Chemigation Requirements:

1. The system must contain a functional check valve, vacuum relief valve and low pressure shutoff valve. The low pressure shutoff valve must be a solenoid-operated valve located on the intake side of the injection pump and connected with the injection line. It must be designed to automatically shut off the injection pump when the water pressure decreases to the point where pesticide injection cannot occur.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing, normally closed, solenoid-operated valve located on the intake side of the injection pump to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve between the fill line and the intake of the injection pump. This valve will stop the water pump motor when the water pressure decreases to the point where pesticide injection cannot occur.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located between the fill line and the intake of the injection pump. This valve will stop the water pump motor when the water pressure decreases to the point where pesticide injection cannot occur.
5. Systems using a capacity-filling pesticide system must use a pesticide concentration of 1.0 to 4.0%. If the concentration of the pesticide solution does not reach the maximum concentration allowed in the pesticide concentration, the pesticide injection system must be adjusted to deliver the maximum concentration allowed in the pesticide concentration.

### Precautionary Statements

- **DANGEROUS**: This product is extremely dangerous. All warnings and precautions must be followed closely. If any of the warnings or precautions are not followed, serious injury or death can result. No label changes should be made. This product cannot be mixed with any other product.

### User Safety Recommendations:

- Wash thoroughly and put on clean clothes.
- Remove and wash contaminated clothing before reuse.
- Before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.
- If outer box is contaminated, do not incinerate. Do not burn, unless allowed by state and local ordinances.

### NOTICE TO BUYER AND SELLER:

- Source Water Systems means a system for the provision to the public of piped water for human consumption. If a system has less than 15 connections or less than 15 service connections and serves no buildings other than the owner’s residence, the system is not a public water system.

### Storage and Disposal

- Do not apply directly to water, or to areas where surface water is present, or areas where treated water may enter surface water. Do not apply this product to areas where surface water exists or to fields having a water table within 10 feet of the soil surface unless the water table is known to be without toxic substances.
- Do not apply this product within 20 feet of a designated stream, lake, pond, or other surface water source, or drink water source, or to fields having a water table within 10 feet of the soil surface unless the water table is known to be without toxic substances.
- Do not apply this product within 20 feet of a designated stream, lake, pond, or other surface water source, or drink water source, or to fields having a water table within 10 feet of the soil surface unless the water table is known to be without toxic substances.
- This product may be disposed of on-site or at an approved waste disposal facility.