

# RootShield<sup>®</sup> Home and Garden

## Biological Fungicide

### ACTIVE INGREDIENT

*Trichoderma harzianum* Rifai strain KRL-AG2

1.15%\*

### OTHER INGREDIENTS

98.85%

### TOTAL

100.00%

\*Contains at least  $1.0 \times 10^7$  colony forming units per gram dry weight.

US Patent No. 5,260,213

EPA Reg.No. 68539-4

EPA Est. No. 068539-NY-001

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### FIRST AID

#### If in eyes

- Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION:** Avoid contact with skin or eyes. Avoid breathing dust.

#### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

### GENERAL INFORMATION

RootShield is a biological fungicide for control of plant diseases. The active ingredient is a beneficial microbe, *Trichoderma harzianum* strain T-22 (KRL-AG2). Applied to seeds, transplants, or other propagative material, or to soil or planting mixes, RootShield actively grows onto plant roots as they develop and provides prolonged protection against plant root pathogens such as *Pythium*, *Rhizoctonia*, and *Fusarium*. Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and RootShield for prolonged root disease control.

**NOTE:** RootShield contains live spores of a beneficial microbe. For best results, RootShield must be used prior to disease onset. RootShield becomes active in soil or on plants when temperatures are above 50° F and is not effective while temperatures remain cold. RootShield can be applied to sterilized or fumigated soil but must be applied after sterilization or fumigation.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**NOTE:** DO NOT APPLY to sugarcane, peachay, rice, mushrooms, kiwi, tobacco, barley, oats, lemon, apple and chickpea. Not for use on aquatic crops.

**For preventative control of root diseases of vegetable, flower and ornamental plants.**

For Drench application to seeds, mix 1 to 3 tablespoons of RootShield per gallon of water and apply with a watering can or other device to 25 feet of planting furrow before covering the seeds with soil.

For transplants, mix 1 to 3 tablespoons of RootShield per gallon of water and apply ½ - 1 cup (4 - 8 fl oz) per plant at transplanting. For new plant beds, mix 1 - 3 tablespoons of RootShield and apply at a rate of one gallon per 25 square feet.

For established beds or potted plants, mix 1 to 3 tablespoons of RootShield per gallon and apply at a rate of one gallon per 25 square feet of plant bed or ½ - 1 cup (4 - 8 fl oz) per 4 - 8 inch pot.

RootShield is designed for application to seeds, plant roots and soil for control of plant root diseases and not for spray application to foliage or fruit.

### STORAGE AND DISPOSAL

**STORAGE:** Store original container in a cool dry and locked place inaccessible to children and pets. Do not contaminate food or feed during storage. Do not store at temperatures above 75° F for prolonged periods. Keep container tightly closed when not in use.

**DISPOSAL:** If empty - Do not reuse container. Place in trash or offer for recycling if available. If partly filled - Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**NOTICE TO BUYER AND SELLER:** Seller warrants that this product conforms to the description on the label and is reasonably fit for the purposes stated on the label when used and stored in accordance with directions under normal conditions of use. This warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller; Buyer and User assume the risk of any such use. Seller disclaims all other warranties express or implied, including any warranty of fitness or merchantability. Seller shall not be liable for consequential, special or indirect damages resulting from use or handling of this product. Seller's sole liability and Buyer's and User's exclusive remedy shall be limited to refund of the purchase price. This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified.

**In Case of Emergency, Call CHEMTREC: (800) 424-9300**

NET CONTENTS:

Lot No.

*Manufactured in the USA by:*

**BioWorks, Inc.**

**100 Rawson Rd, Suite 205**

**Victor, New York 14564**

**(800) 877-9443**