

RootShield® Granules Biological Fungicide

*For the Suppression of Root Diseases caused by Pythium, Rhizoctonia
and Fusarium in Greenhouse and Outdoor Nursery Crops*

COMMERCIAL
READ THE LABEL BEFORE USING

GUARANTEE: *Trichoderma harzianum* Rifai strain KRL-AG2 contains a minimum of 1.0×10^7 colony forming units per gram of dry weight

Warning, contains the allergen wheat

LIVE ORGANISMS
POTENTIAL SENSITIZER

REGISTRATION No. 27116 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 4.54 kg (10 lbs), 18.14 kg (40 lbs), 226.8 kg (500 lbs), or 453.59 kg (1000 lbs)

BioWorks, Inc. 100 Rawson Road, Suite 205, Victor, NY 14564
Telephone: 1.585.924.4362

Lot No.:

Date of Manufacture: Use within 12 months of date of manufacture.

GENERAL INFORMATION: RootShield® Granules Biological Fungicide is a biological fungicide for the suppression of root diseases in greenhouse and outdoor nursery crops. The active ingredient is a beneficial microbe, *Trichoderma harzianum* Rifai strain T-22 (KRL-AG2). When applied to greenhouse planting mix or soil, RootShield® Granules Biological Fungicide actively grows onto plant roots as they develop and protects roots against *Pythium*, *Rhizoctonia* and *Fusarium*

For control of seed rot and damping off of internally infected cuttings, use chemical fungicides or other appropriate measures in addition to RootShield® Granules Biological Fungicide.

Note: RootShield® Granules Biological Fungicide contains live spores of a beneficial microbe. RootShield® Granules Biological Fungicide becomes active when soil temperatures are above 10°C. Control is not effective while soils remain cold and is more effective in neutral or acidic soils than in alkaline soils.

DIRECTIONS FOR USE: GREENHOUSE AND OUTDOOR NURSERY CROPS: ALL ORNAMENTAL CROPS, PEPPERS, TOMATOES AND CUCUMBERS:

For the suppression of root diseases caused by *Pythium*, *Rhizoctonia* and *Fusarium* mix RootShield® Granules Biological Fungicide with greenhouse and outdoor nursery planting mix or soil at a rate of 600- 750 g per cubic metre (loose) planting mix or soil. For best results

thoroughly incorporate RootShield® Granules Biological Fungicide during mix preparation or pot filling, or incorporate into planting beds by raking or tilling.

It is not possible to test all ornamental varieties and some may show delayed growth. RootShield® Granules Biological Fungicide should first be tested on a small lot of plants, if the response of the variety is not known, before using it for commercial scale production.

PRECAUTIONS: KEEP OUT OF THE REACH OF CHILDREN. May cause sensitization. Avoid contact with skin and eyes or clothing. Avoid breathing dust or spray mist. Wear a long-sleeved shirt, long pants, water proof gloves, shoes plus socks, eye goggles and a dust/mist filtering respirator/mask (MSH/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N -95, R-95, P-95 or HE filter for biological products when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. For Greenhouse application, keep unprotected persons out of the treated areas for 4 hours after treatment.

ENVIRONMENTAL PRECAUTIONS:

As this pesticide is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats with this product.

DO NOT clean equipment or dispose of wastes in any water supply.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured, or low in organic matter such as clay).

DO NOT apply this product by air.

FIRST AID:

IF SWALLOWED: Rinse mouth and throat with copious amounts of water. Do not induce vomiting.

IF ON SKIN/CLOTHING: Take off contaminated clothing. Wash with plenty of soap and water.

IF INHALED Move to fresh air.

IF IN EYES Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing the eye.

GENERAL: Seek medical attention or contact a poison control centre **IMMEDIATELY** if irritation or signs of toxicity occurs and persists or is severe. Take container, label or product name and

RootShield® Granules Biological Fungicide, PCP 27117
Add additional packaging sizes 19 Dec 2012

Pest Control Product Registration Number with you, when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Store in a secure dry place at temperatures between 2°C and 5°C. Do not contaminate water, food, or feed during storage. Keep product in original container during storage and keep container lid tightly closed when not in use. This product should be used within 12 months of the date of manufacture under refrigerated conditions.

DISPOSAL/DECONTAMINATION

1. Thoroughly empty the contents of the container into the application device or medium.
2. Make the container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.