

Trianum G Biological Fungicide

For the suppression of post-emergence damping off (*Rhizoctonia solani*, *Pythium ultimum*), fusarium root rot and crown rot (*Fusarium oxysporum*), pythium root rot (*Pythium aphanidermatum*), root rot (*Pythium ultimum*) and cavity spot (*Pythium violae*) on listed greenhouse and field crops and greenhouse ornamentals, and for the reduction in symptoms of dollar spot (*Sclerotinia homoeocarpa*) and microdochium patch (*Microdochium nivale*) on turf

COMMERCIAL
READ THE LABEL BEFORE USING

GUARANTEE: *Trichoderma harzianum* Rifai strain T-22 contains a minimum of 1.5×10^8 colony forming units per gram of dry weight

POTENTIAL SENSITIZER
LIVE ORGANISM

REG. No. 31503 *PEST CONTROL PRODUCTS ACT*

NET CONTENTS: kg

Manufactured by:
Koppert Canada Limited
40 Ironside Cres., Unit # 3
Scarborough, Ontario
M1X 1G4
1-800-567-4195

Lot No.:
Date of Manufacture: Use within 6 months of date of manufacture.

GENERAL INFORMATION: TRIANUM G (*Trichoderma harzianum*) is a biofungicide, for the suppression of the following soil-borne pathogens: *Pythium ultimum*, *Pythium violae*, *Pythium aphanidermatum*, *Rhizoctonia solani* and *Fusarium oxysporum* in greenhouse lettuce, tomatoes, cucumbers, carrots and ornamental crops, and field lettuce and carrots. This product can also be used to reduce the symptoms of dollar spot (*Sclerotinia homoeocarpa*) and microdochium patch (*Microdochium nivale*) in turf. It can be applied via growing media incorporation for edible and ornamental crops, or by placement in the planting hole prior to transplanting into the final cropping situation.

TRIANUM G protects plants against infection by soil-borne pathogens via the root system. TRIANUM G performs well under various environmental conditions. It grows under a wide temperature range (10°-34°C), at a pH between 4-8, in many types of growing media, and on the roots of a wide range of plants.

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

Disease suppression: The beneficial fungus *Trichoderma harzianum* T-22 outcompetes plant pathogenic fungi for space and nutrients, colonising the plant roots ahead of the pathogens. It acts as a mycoparasite by producing enzymes which break down the hyphae of the plant pathogenic fungi.

DIRECTIONS FOR USE

For use on:

Greenhouse Lettuce, Tomatoes, Cucumbers, Carrots and Ornamentals
Outdoor: Turf, Lettuce and Carrots

- As this product 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 by cleaning of equipment or disposal of wastes.
- DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

APPLICATION AND DOSE

TRIANUM G should be used preventatively. For the best results, always use TRIANUM G from propagation onwards, before occurrence of disease.

Specific Directions for Ornamentals: The large number of existing ornamental species and their varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test Trianum G Fungicide in every locale where it is sold or in all the combinations of location and plant varieties. To ensure that Trianum G Fungicide is compatible with the ornamental plant variety or cultivar under your specific conditions, test on a limited scale and observe for phytotoxicity or other unintended side effects for two weeks before making large scale applications.

Crops	Disease	Pathogens	Use	Rate
Greenhouse crops at propagation and transplanting				
Lettuce	Post-emergence damping off	<i>Rhizoctonia solani</i>		
Tomato	Fusarium root rot and crown rot	<i>Fusarium oxysporum</i>		Before filling seed trays or containers: 750 g/m ³ .
Cucumber	Post-emergence damping off	<i>Pythium ultimum</i>	Mix evenly in growing medium before filling seed trays at propagation and transplanting	Subsequent applications at transplanting or repotting: 375 g/m ³ .
	Pythium root rot	<i>Pythium aphanidermatum</i>		
Carrot	Cavity spot	<i>Pythium violae</i>		
	Root rot and post-emergence damping off	<i>Pythium ultimum</i>		
Ornamentals	Post-emergence damping off	<i>Pythium ultimum</i>		
	Fusarium root rot and crown rot	<i>Fusarium oxysporum</i>		
Field crops				
Lettuce	Post-emergence damping off	<i>Rhizoctonia solani</i>		
Carrot	Cavity spot	<i>Pythium violae</i>	In Furrow	In furrow: 15 kg/ha In beds: 25 kg/ha using suitable granular applicator
	Root rot and post-emergence damping off	<i>Pythium ultimum</i>		
Specialty Crops				
Turf*	Dollar spot	<i>Sclerotinia homoeocarpa</i>	Granular applicator	First application: 30 kg/ha Monthly applications: 15 kg/ha using suitable granular applicator
	Microdochium patch	<i>Microdochium nivale</i>		

*Aerate turf before application of TRIANUM G by verti-draining, pricking or slitting. Water the turf surface well after each application.

COMPATIBILITY

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Koppert Canada Limited at 1-800-567-4195 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Koppert Canada Limited.

PRECAUTIONS

May cause sensitization. Avoid contact with skin, eyes and clothing. Avoid breathing dust or spray mist.

KEEP OUT OF REACH OF CHILDREN. Wear waterproof gloves, a long-sleeved shirt, long pants, a dust-mist filtering respirator/mask (NIOSH approval number prefix TC-21C) or NIOSH approved respirators (with any N-95, P-95, R-95 or HE filter for biological products), and shoes plus socks when handling, mixing/loading or applying the product and during all clean-up and repair activities. For soil applications in enclosed areas including greenhouses, keep all unprotected workers out of the treated areas until dusts have settled. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. **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 centre or doctor for treatment advice. Take container, label or product name and 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 8°C and 10°C. Do not freeze. To prevent contamination store this product away from food or feed. Keep product in original container during storage and keep container lid tightly closed when not in use. This product should be used within 6 months of the date of manufacture.

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.

KOPPERT CANADA LTD guarantees that TRIANUM G is fit for the purpose and conforms to the specifications contained on this label. KOPPERT makes no warranty, express or implied including the warranties of commercially acceptable quality and/or fitness for any particular purpose concerning this material, other than those which are contained on this label, and will not be liable for whichever direct or indirect damage which is a consequence of injudicious use of the product or non-compliance with the prescriptions as contained in this label.