

TRIANUM-G®
MAPP No. 16740

Contains: 1 % w/w *Trichoderma harzianum* Rifai strain T-22 spores (1.5×10^8 spores/g) and 99 % w/w inert ingredients
Granule (GR)

Trianium-G® is a biofungicide for the reduction of soil-borne *Pythium*, *Rhizoctonia* and *Fusarium* in protected edible and ornamental crops. It can be applied via incorporation into growing media, or by placement in the planting hole at transplanting into the final cropping position, or at drilling.

IMPORTANT INFORMATION				
FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL FUNGICIDE				
USER: Professional				
Crop/situation	Maximum Individual dose:	Maximum total dose:	Maximum number of treatments:	Last time of application:
Cucumber (protected), lettuce (protected), baby leaf crops (protected), ornamental plant production (protected), pepper (protected), chilli (protected), tomato (protected), dwarf French beans (protected), aubergine (protected)	0.75 kg product /m ³ growing media at propagation in trays/modules	-	1	-
	AND/OR			
Cucumber (protected), lettuce (protected), baby leaf crops (protected), ornamental plant production (protected), pepper (protected), chilli (protected), tomato (protected), dwarf French beans (protected), aubergine (protected)	0.375 kg product /m ³ growing media at transplanting or re-potting (cultivation)	-	-	-
Lettuce (protected), baby leaf crops (protected)	15 kg product /ha when drilling in furrows	-	1	-
Lettuce (protected), baby leaf crops (protected)	25 kg product/ha when transplanting into beds	-	1	-
Other Specific Restrictions:				
<ol style="list-style-type: none"> 1) Treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years 2) Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bee to treated crops 3) To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the product has fully settled 				
READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE				

SAFETY PRECAUTIONS

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF THE REACH OF CHILDREN

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY

KEEP IN ORIGINAL CONTAINER tightly closed, in a safe place

WASH HANDS AND EXPOSED SKIN before meals and after work

WEAR PROTECTIVE GLOVES

DO NOT BREATHE DUST

WEAR RESPIRATORY PROTECTION

AVOID CONTACT WITH EYES

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

Micro-organisms may have the potential to provoke sensitising reactions

Operator Protection:

1. Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must wear suitable protective clothing (coveralls), suitable protective gloves and suitable respiratory protective equipment* when handling or applying the product.

*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent

2. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

To avoid risks to man and the environment, comply with the instructions for use

DIRECTIONS FOR USE

GENERAL INFORMATION

TRIANUM-G® protects plants against infection by soil-borne pathogens via the root system. This can enhance the growth and development of roots and aerial parts of the plant. TRIANUM-G® can be used under various environmental conditions. It grows at a range of temperatures above 10°C, in many types of growing media, and on the roots of a wide range of plants.

APPLICATION AND DOSE

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

Protected crops at propagation

For ornamental and edible crops, mix TRIANUM-G® into the growing medium before filling seed trays, or containers, at 0.75 kg/m³.

Protected crops at cultivation

For subsequent applications (at transplanting or re-potting), mix TRIANUM-G® into the growing medium at a dose of 375 g/m³. Ensure the product is distributed evenly throughout the growing medium.

Protected lettuce and baby leaf crops

15 kg/ha when drilling in furrows

25 kg/ha when planting in beds

For other edible crops (tomato, cucumber, pepper, chilli, dwarf French beans, aubergine) when transplanting into the final cropping situation, apply 1 g of granules in each planting hole.

Disease reduction

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 hyperparasite by producing enzymes which break down the hyphae of the plant pathogenic fungi.

No PHI (minimum pre-harvest interval) is needed between treatment with TRIANUM-G® and harvest.

COMPATIBILITY

TRIANUM-G® should not be applied in mixture with other pesticides or liquid fertilisers. The effect of other pesticides applied either before or after TRIANUM-G® on the effectiveness of TRIANUM-G® has not been fully established. Some pesticides, particularly fungicides, may reduce effectiveness of TRIANUM-G®. It is compatible with natural enemies, and can be used in integrated crop management systems.

TRIANUM-G® has been used on a wide range of crops under a wide range of conditions and no phytotoxicity has been observed.

Application equipment should be cleaned thoroughly after use.

Consult processor before using on crops intended for processing.

STORAGE

TRIANUM-G® is a biological product and has a guaranteed shelf-life of six months at 4°C. The product should be stored at 4 – 8°C and used within six months of the date of manufacture

Do not keep in domestic refrigerators

Do not freeze

Manufactured for: Koppert UK Ltd, 8 Tudor Rose Court, 53 Hollands Road, Haverhill, Suffolk, CB9 8PJ
Tel: 01440 704488, www.koppert.co.uk

BATCH No: see packaging

USE BY: see packaging

NET CONTENT: 5 kg or 20 kg

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Approval holder and marketing company: KOPPERT BV, Veilingweg 14, 2651 BE Berkel en Rodenrijs, The Netherlands, www.koppert.com.

KOPPERT BV guarantees that TRIANUM-G is fit for the purpose and conforms to the specifications stated on this label. KOPPERT BV gives 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 stated on this label, and will not be liable for any direct or indirect damage which results from incorrect use of the product or non-compliance with the directions of this label.