Trichoderma harzianum T-22

Koppert Product number:

EPA Est. No.: 89635-NLD-001

EPA Reg. No.: 89635-2

Net Weight: 11.02 lbs (5 kg)

OTHER INGREDIENTS 98.68%

Trichoderma harzianum Rifai strain KRL-AG2* 1.32%

ACTIVE INGREDIENT:

Biological Fungicide

Trianum-G

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

FIRST AID

If in eyes:

Hold open eye and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing.

Call a poison control center or doctor for treatment advice.

CAUTION: Causes moderate eye irritation.

CAUTION

KEEP OUT OF REACH OF CHILDREN

• Call a poison control center or doctor for medical advice for children who may have had too much of this product.

If swallowed:

Give plenty of water. If no water available, give milk or, if milk is unavailable, water.

If надо to make any immediate medical decision, call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. For emergency information on (product, use, etc.), have the product container or label with you when calling a poison control center or your doctor or going for treatment. For emergency information on (product, use, etc.), call Koppert Biological Systems, Inc. at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

If inhaled:

Move to fresh air. If there is no fresh air, call a poison control center or doctor for medical advice.

If on skin:

Wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

If on clothing:

Wear other protective clothing as necessary to prevent contact with skin and eyes. Take off the contaminated clothing and wash it separately.

Disposal of empty bag:

Have the product container or label with you when calling a poison control center or your doctor or going for treatment. For emergency information on (product, use, etc.), have the product container or label with you when calling a poison control center or your doctor or going for treatment. For emergency information on (product, use, etc.), call Koppert Biological Systems, Inc. at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. For emergency information on (product, use, etc.), have the product container or label with you when calling a poison control center or your doctor or going for treatment. For emergency information on (product, use, etc.), call Koppert Biological Systems, Inc. at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

If in eyes:

If possible, remove contact lenses, and then rinse for 15-20 minutes with water. If no water available, use milk or, if milk is unavailable, water.

If inhaled:

If there is no fresh air, call a poison control center or doctor for medical advice.

If on skin:

Wash with soap and water. If no water available, wash with milk or, if milk is unavailable, water. If there is no fresh air, call a poison control center or doctor for medical advice.

If on clothing:

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water 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 or packaging.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirement specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the labeling and with the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, certification, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted–entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exceptions: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Nonrefillable

CONTAINER DISPOSAL:

Approved waste disposal facility. Do not reuse container. Dispose of empty container by open burning if allowed by state and local regulations. Do not incinerate or burn.

STORAGE:

Storage in original container under refrigerated conditions. Short periods at room temperatures above 75°F will not affect performance. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Keep container tightly closed when not in use.

DISPOSAL:

Do not contain food or feed commodities.

STORAGE AND DISPOSAL

Do not contaminate food or feed commodities. Do not reuse or refill this container. Completely empty bag into the approved waste disposal facility.

User Safety Recommendations

PERSONAL PROTECTIVE EQUIPMENT (PPE): Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N95, R95, or P95. Exposure to high concentrations of microbial proteins (such as Trichoderma harzianum) may cause allergic sensitization.

CAUTION: Causes moderate eye irritation.

CAUTION

KEEP OUT OF REACH OF CHILDREN

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirement specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the labeling and with the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, certification, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted–entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exceptions: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Nonrefillable

CONTAINER DISPOSAL:

Approved waste disposal facility. Do not reuse container. Dispose of empty container by open burning if allowed by state and local regulations. Do not incinerate or burn.

STORAGE:

Storage in original container under refrigerated conditions. Short periods at room temperatures above 75°F will not affect performance. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Keep container tightly closed when not in use.

DISPOSAL:

Do not contain food or feed commodities.

STORAGE AND DISPOSAL

Do not contaminate food or feed commodities. Do not reuse or refill this container. Completely empty bag into the approved waste disposal facility.
**Trianum-G Biological Fungicide**

**ACTIVE INGREDIENT:**
Trichoderma harzianum Rifai strain KRL-AG2* 1.32%

**OTHER INGREDIENTS: 98.68%**

**TOTAL:**
100.00%

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

**KEEP OUT OF REACH OF CHILDREN**

**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, and then continue rinsing.
- If on clothing: Remove all contaminated clothing.
- If on skin: Wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**STORAGE AND DISPOSAL**

**STORAGE:**
Store in original container under refrigerated conditions. Short periods at room temperature above 75°F will not affect performance. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Keep container tightly closed when not in use.

**DISPOSAL:**
Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal.

**ENVIRONMENTAL HAZARDS**

**STORAGE AND DISPOSAL**

- Old US 23, Howell, Michigan 48843
- Koppert Biological Systems, Inc.

**Manufactured by:**
Koppert Biological Systems, Inc.
1520 Old US 23, Howell, Michigan 48843
www.trianum.com

**Lot Number:**
12096

**Expiration Date:**

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**
Masks/hoods and applications must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins may cause allergic sensitization. Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS:**
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should remove contaminated PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**INFORMATION FOR USE**

- In a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers may be in the area during application. For any requirement specific to your state or tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**
Use this product only in accordance with the labeling and with the Worker Protection Standard, 40 CFR part 190. This Standard contains requirements for the protection of agricultural workers on farms, foresties, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard, 40 CFR part 190. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

**Exceptions:**
If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

**PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water:**
Protective eyewear, coveralls, waterproof gloves, shoes, and socks. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

- **PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

- **STORAGE AND DISPOSAL**

**STORAGE:**
Store in original container under refrigerated conditions. Short periods at room temperature above 75°F will not affect performance. Do not store near food or feed commodities. Do not store at temperatures above 75°F for prolonged periods. Keep container tightly closed when not in use.

**DISPOSAL:**
Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water, food, or feed by storage or disposal.

**ENVIRONMENTAL HAZARDS**

**STORAGE AND DISPOSAL**

- Old US 23, Howell, Michigan 48843
- Koppert Biological Systems, Inc.

**Manufactured by:**
Koppert Biological Systems, Inc.
1520 Old US 23, Howell, Michigan 48843
www.trianum.com

**Lot Number:**
12096

**Expiration Date:**
Trianum-G is a preventative biological fungicide for control of soilborne plant pathogens and plant root diseases. This biological fungicide is for use in soil applications (drench, in soil furrow and potting soil). Apply Trianum-G after treatment. Water will help move Trianum-G into the soil. If soil is fumigated or steam sterilized apply Trianum-G after treatment.

**General Information**

**Crop Information**

**CROPS**

- **Leafy Vegetables and Cole:***
  - Lettuce, Herbs and Spices
  - Kale, Kohlrabi, Mustard Greens
  - Cabbage, Cauliflower, Collards
  - Broccoli, Brussels Sprouts
  - Arugula, Celery, Chervil

- **Fruiting Vegetables:**
  - Tomatoes
  - Asparagus

- **Citrus Fruits:**
  - Oranges, Pummelos
  - Grapefruit, Kumquat, Limes
  - Citrus Hybrids

- **Cucurbit Vegetables:**
  - Watermelons, Cucumbers, Gourds
  - Squash

- **Cereal and Oilseed:**
  - Wheat, Barley, Oats, Rye, Rice
  - Cotton, Alfalfa, Clover, Vetch
  - Field Peas, Field Beans, Lentils

- **Berries and Small Fruits:**
  - Elderberries, Gooseberries

- **Herbs, Spices, and Mints:**
  - Thyme, Rosemary, Sage

- **Flowering Vegetables and Ornamentals:**
  - Geraniums, Petunias, Alyssum

- **Hydroponic Crops:**
  - Lettuce, Kale, Spinach, Swiss Chard

- **Turf and Ornamentals:**
  - New turf seedlings

**Use Restrictions**

- High pressure irrigation
- Foliar applications
- Surface application
- Equipment or fertilizer sprayers

**Application Rates**

- **Watering Crops:**
  - 0.2 - 8.0 oz. / transplant hole
  - 1.0 - 3.0 lbs. / cubic yd. soil mix

- **Non-Watering Crops:**
  - 1.0 - 3.0 lbs. / cubic yd. soil mix
  - 2.5 - 6.0 lbs. / ½ acre

**Packaging**

- **Granules:**
  - 1.0 - 4.0 lbs. / 1000 square ft.
  - 1.0 - 3.0 lbs. / cubic yd. soil mix
  - 2.5 - 6.0 lbs. / ½ acre

**Ingredients**

- Live spores of a microbe

**Compatibility**

- Trianum-G can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients in accordance with the more restrictive of label limitation and precautions. No label dosage rates should be exceeded. This product cannot be used with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, mancozeb, metalaxyl. Do not apply Trianum-G in combination with any product containing a label prohibition against such mixing. This product is not compatible and precautions. No label dosage rates should be exceeded. This product cannot be used with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, mancozeb, metalaxyl. Do not apply Trianum-G in combination with any product containing a label prohibition against such mixing. This product is not compatible

**Storage**

- In a cool, dry location.

**Label Directions**

- Use Trianum-G prior to disease onset.

**Safety**

- Avoid contact with eyes and skin.

**Disclaimer**

- This product is sold only for uses stated on its label. NOT NOTICE TO BUYER AND SELLER: Seller warrants that this product conforms to the description on the label and shall be fit to fulfill its purpose stated on the label when used in accordance with directions under normal conditions of use. To the extent permitted by state law, this warranty does not extend to use of this product contrary to label directions or under conditions not reasonably foreseeable by the Seller, and Buyer and user assume the risk of any such use. To the extent permitted by state law, Seller shall not be liable for consequential, special or indirect damages resulting from use by Buyer or any other person. Buyer shall be limited to refund of the purchase price. This product is sold only for use stated on its label. Buyer expresses or implied license to use or sell this product under any patent in any country except as specified.

**Regulatory Information**

- EPA Reg. No. 89635-2

**Contact Information**

- www.trianum.com
- Howell, Michigan 48843
- Phone: 810-465-0202
- Fax: 810-465-6211

**Manufactured by**

- Keppel Biological Systems, Inc.
- Howell, Michigan 48844

- www.trianum.com
**GENERAL INFORMATION**

Trianum-G is a preventative biological fungicide for control of soilborne plant pathogens and plant root diseases. The active ingredient is Arthrobotrys dactyloides (Trichoderma harzianum) strain T 72, which when applied as an inoculant to soil, planting mixes or turf, grows onto plant roots as surface or cover with mulch along with the grass seed. Application of irrigation water will help move Trianum-G into the soil.

**USE RESTRICTIONS**

- **Arugula, Celery, Chervil**
- **Cucumbers, Tomatoes**
- **Herbs, Spices, and Mints**
- **Asparagus**
- **Kale, Kohlrabi, Mustard Greens**
- **Melons, Gourds, Pumpkins, Squash**
- **Sweet and Hot Peppers, Tomatillos**
- **and Ornamentals**

**Cucurbit Vegetables:**

- **Elderberries, Gooseberries**
- **Berries and Small Fruits:**
- **Brazil Nuts, Butternuts, Cashews,**
- **Pistachios, Walnuts**
- **Chestnuts, Filberts, Hickory**
- **Tree Nuts:**
- **Tree Nuts:**
- **Horseradish, Parsnip, Radish,**
- **Carrots, Celeriac, Chicory,**
- **Vegetables:**
- **Root Crops and Tuber**
- **Stone Fruit:**
- **Nectarines, Peaches, Plums, Prunes**
- **Oilseed Crops:**
- **Dry Peas, Peanuts, Soybeans**
- **Beans (soybeans, or Dried):**
- **Legume Vegetable (Succulent**
- **Beets, Sugar beets,**
- **Pome Fruit:**
- **Vegetables:**

**Note: Trianum-G contains live spores of a fungus that must be used prior to disease onset. T 72 becomes active into the soil if it is fungicidal or steam treated. Temperature must be above 77°F (25°C), and soil temperature must be below 85°F (29°C). Trianum-G can be applied to sterilized or fungicidal soil but must be applied in accordance with directions under normal conditions of use.**

**APPLICATION**

- **Soil applications (drench, in soil furrow and potting soil):**
- **NURSERY PLANTING MIX AMENDMENT:**
- **GREENHOUSE PLANTING MIX AMENDMENT:**
- **IN-FURROW SOIL TREATMENT:**
- **TURF, SPORTS FIELDS, PARKS, ESTABLISHED AND NEW:**
- **NURSERY CROPS:**
- **Turfgrass:**

**FOR MORE INFORMATION: 1-800-772-5551 www.trianum.com**