

2018-6295
2019-01-17

GROUP	M	FUNGICIDE
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TAMINCO

GRANUFLO[®] T

Water Dispersible Granules

Contains Thiram for control of fungal diseases on crops.

AGRICULTURAL

GUARANTEE:

Thiram..... 75%

REGISTRATION NO. 30548
PEST CONTROL PRODUCTS ACT.

POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

NET CONTENTS
2 kg - 50 kg

Taminco US LLC.
A subsidiary of Eastman Chemical Company
200 S. Wilcox Drive
Kingsport, TN 37660
United States
1-423-229-2000

DIRECTIONS FOR USE:

DO NOT APPLY BY AIR

APPLES: For control of bitter rot (*Colletotrichum gleosporioides*), black rot (*Botryosphaeria obtusa*), Brooks' spot (*Mycosphaerella pomi*), fly speck (*Zygophiala jamaicensis*), scab (*Venturia inaequalis*), sooty blotch (*Gloeodes pomigena*) apply 1.5 to 2.25 kg GRANUFLO® T in 1000 litres of water. Apply in a regular protective schedule from green tip up to and including second cover spray. After the second cover spray, reduce rate to 1.0 to 1.5 kg per 1000 litres if scab is at a low level in the orchard. Do not apply within 28 days of harvest.

For control of cedar-apple rust (*Gymnosporangium juniperi-virginianae*) apply 1.5 to 2.25 kg GRANUFLO® T in 1000 litres of water. Apply in tight cluster through first cover spray. If recommended by local authorities, apply a special bloom spray at 750 grams per 1000 litres. Keep foliage and fruit covered during infestation periods. Do not apply within 28 days of harvest.

PEACHES: For the control of peach scab (*Cladosporium carpophyllum*), apply 1.5 to 2.25 kg GRANUFLO® T in 1000 litres of water. Apply at petal fall and repeat 3 to 6 times at intervals of 10 to 14 days until the disease is under control. Do not apply within 7 days of harvest.

For the control of brown rot (*Monilinia fructicola*) (blossom blight, fruit rot) apply 1.5 to 2.25 kg GRANUFLO® T per 1000 litres of water. For blossom blight apply at intervals of 3 to 4 days during bloom, timed to keep newly opened blossoms covered. For fruit rot, apply at petal fall and 2 weeks later. If rot is apparent on the green fruit, make 1 or more additional applications at 7 day intervals beginning about one month before harvest. Do not apply within 7 days of harvest.

PLUMS: To control plum pockets (*Taphrina communis*) apply GRANUFLO® T at the rate of 6.72 kg in 1100 – 1700 litres water per hectare. Apply with ground equipment as a dormant spray either in the spring or fall.

STRAWBERRIES: For the control of gray-mold fruit rot (*Botrytis cinerea*) apply 2.25 to 2.5 kg GRANUFLO® T in 1000 litres of water. Make 3 to 5 applications at 10 day intervals beginning early in the blossom stage. Apply for thorough coverage of buds, blossoms and developing fruit. Use up to 2000 litres per ha. Do not apply within 3 days of harvest.

CELERY (in plant beds): For control of early blight (*Cercospora apii*), late blight (*Septoria apii*), rhizoctonia and damping-off apply 1.5 kg GRANUFLO® T in 1000 litres of water. Apply 70 to 105 litres per 100 m² at 3 day intervals. Shorten the interval under conditions of severe disease incidence. Do not apply within 7 days of harvest.

SWEET POTATOES: For control of stem rot (*Fusarium oxysporum* f. sp. *batatas*) and scurf (*Monilochaetes infusans*) apply 1.75 kg GRANUFLO® T in 1000 litres of water. Dip roots of sprouts for 30 seconds in the suspension. Plant promptly after treatment.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that GRANUFLO® T contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to GRANUFLO® T and other Group M fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of GRANUFLO® T or other Group M fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Taminco US LLC at 1-423-229-2000 or at www.taminco.com

USE RESTRICTIONS:

1. Label treated seed "Do not use for food or feed. This seed has been treated with thiram".
2. Do not graze treated areas or feed clippings from treated areas to livestock.

PRECAUTIONS:

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Store in a cool, dry, ventilated place, away from feeds and foods.
3. Keep away from heat, fire and sparks.
4. May irritate eyes, nose, throat and skin.
5. Potential skin sensitizer.
6. Avoid contact with skin, eyes and clothing.
7. Wash thoroughly after handling and before eating, drinking or smoking.
8. Wash contaminated clothing with soap and hot water before re-use.
9. Do not consume alcohol beverages for 24 hours before or after working with thiram.
10. Avoid breathing dust or spray mist.
11. Do not contaminate food or feed.
12. Treated seed may be harmful to birds if ingested.
13. Do not contaminate any body of water.
14. When mixing, loading, during application, clean-up and repair, workers must wear

coveralls over a long-sleeved shirt, long pants, goggles or a face-shield, socks and chemical-resistant gloves and shoes. In addition, during airblast application workers must wear either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.

15. Do not enter or allow worker entry during the restricted entry interval (REI) of 24 hours.

16. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

SYMPTOMS OF POISONING: Skin contact may cause irritation and dermatitis. Alcohol intake within 24 hours of contact with thiram may cause flushing, sweating, headache and nausea.

For emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300.

For product usage information phone Taminco US LLC, toll free at 1-423-229-2000 from 9:00 AM to 5:00 PM Eastern time.

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 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.

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.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: There is no specific antidote. If reaction with alcohol occurs, treat as disulfiram-alcohol reaction.

STORAGE: Store product in original container only away from other pesticides, fertilizer, food, and feed. Keep container closed.

DISPOSAL: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.