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**Thiram Powder Fungicide**

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Contains thiram for control of fungal diseases on crops.

No commercial seed treatment (in facilities or with mobile treaters) is permitted.

**AGRICULTURAL**

ACTIVE INGREDIENT:  
Thiram ..... 75%

REGISTRATION NO. 27556  
PEST CONTROL PRODUCTS ACT.

WARNING



POISON

READ THE LABEL BEFORE USING  
NET CONTENTS  
5 kg / 25 kg

Manufactured by:  
UPL AgroSolutions Canada Inc.

PO Box 12219

Research Triangle Park, NC 27709 For Product Use Information Call 1-800-438-6071

**FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.**

## DIRECTIONS FOR USE:

For on-farm use only. **DO NOT** use for commercial seed treatment (in facilities or with mobile treaters). Apply as a water based slurry. Thoroughly mix the recommended amount of fungicide into the required amount of water for the slurry treater and apply using standard slurry seed treatment equipment. Uniform application on seed is necessary to ensure optimum performance. Use only in treating equipment which can accurately control application rate and provide good distribution of the chemical onto the seed in the mixing chamber.

## SEED TREATMENT:

To control seed decay, seedling blight and damping-off apply the following amounts of THIRAM 75 WP as a slurry treatment per 25 kg of seed.

CROP	Per 25 kg seed	Water <sup>1</sup>
Beets, broccoli, brussel sprouts, cabbage, carrot, cauliflower, celery, grasses, lettuce, mustard, pepper, radish, spinach, sugar beet, turnip	90 g	225 mL
Eggplant, tomato, onion	65 to 80 g	217 to 267 mL
Squash, pumpkin, watermelon, cucumber, cantaloupe	50 g	167 mL
Sweet corn	55 g	183 mL
Field corn	30 g	100 mL

<sup>1</sup> Water volumes may have to be adjusted due to seed size and treating equipment being used.

**SAFFLOWER:** To control fungal diseases on safflower (i.e. *Alternaria spp.*, *Fusarium spp.*, *Pythium spp.*, *Rhizoctonia solani*) apply 50 g THIRAM 75 WP with 167 mL water per 25 kg seed.

**ALFALFA for seed production:** For the control of verticillium wilt in alfalfa, apply 90 g THIRAM 75 WP with 300 mL water per 25 kg of seed.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that THIRAM 75 WP contains a Group M fungicide. Any fungal population may contain individuals naturally resistant to THIRAM 75 WP 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 the site of action but are 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 THIRAM 75 WP or other Group M fungicides

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with different groups that control the same pathogens.

- Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation, and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications.
- Monitor treated fungal populations for resistance development. Notify UPL AgroSolutions Canada Inc. if reduced sensitivity of the pathogen to THIRAM 75 WP is suspected.
- 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 UPL AgroSolutions Canada Inc. 1-800-438-6071.

### **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.
3. Toxic to birds and small, wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.
4. Do not plant treated seed by broadcasting to the soil surface. Ensure that all planted seed are thoroughly covered with soil, especially in turn areas. Plant corn seed a minimum of 1 inch deep. If seeds are not thoroughly incorporated by the planter during planting, additional incorporation may be required to reduce exposed seeds. Clean-up, bury or cover all spilled seed with soil.
5. Seeding practices, such as precision drilling, can further reduce exposure of birds and small mammals to treated seed.
6. All containers or packages containing treated seed for sale or use in Canada must also be labeled or tagged under USE RESTRICTIONS as follows:  
"Toxic to birds and small, wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface."

### **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. May cause allergic eczema in sensitive individuals.
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. When treating seeds, wear a long sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves. When treating, auguring or handling treated seed, work in a well-ventilated area and also wear goggles and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested.
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.

**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.

### **FIRST AID:**

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**IF IN EYES:** Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses if present after the first 5 minutes, then

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continue rinsing eye. Call a poison control centre or doctor for treatment advice.  
**IF ON SKIN OR ON 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.

Take 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.

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**STORAGE AND DISPOSAL:**

**STORAGE:** Store product in original container only away from other pesticides, fertilizer and food 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 this 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.

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