

*Resistance Management symbols and signal words (Group M Fungicide)*

# **THIRAM 75 WP**

## **Wettable Powder Fungicide**

Contains thiram for control of fungal diseases on crops.

### **AGRICULTURAL**

#### **GUARANTEE:**

Thiram..... 75%

REGISTRATION NO. 27556  
PEST CONTROL PRODUCTS ACT.

*Precautionary symbols and signal words (WARNING/ POISON)*

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

**Chemtura Canada Co./Cie**  
25 Erb St., Elmira ON N3B 3A3

**24 Hour Emergency Phone:**  
**1-866-744-3060**

**Grower Information:**  
**1-800-350-1745**

## **DIRECTIONS FOR USE:**

### **DO NOT APPLY BY AIR**

**APPLES:** For control of bitter rot, black rot, Brooks' spot, fly speck, scab, sooty blotch apply 1.5 to 2.25 kg THIRAM 75 WP 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 1 day of harvest.

For control of cedar-apple rust apply 1.5 to 2.25 kg THIRAM 75 WP 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 1 day of harvest.

**PEACHES:** For the control of scab, apply 1.5 to 2.25 kg THIRAM 75 WP 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 (blossom blight, fruit rot) apply 1.5 to 2.25 kg THIRAM 75 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 THIRAM 75 WP 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 apply 2.25 to 2.5 kg THIRAM 75 WP 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. Use 30 to 40 kg per ha as a dust application. Do not apply within 3 days of harvest.

**CELERY** (in plant beds): For control of early blight, late blight, rhizoctonia and damping-off apply 1.5 kg THIRAM 75 WP in 1000 litres of water. Apply 70 to 105 litres per 100 m<sup>2</sup> 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 and scurf apply 1.75 kg THIRAM 75 WP in 1000 litres of water. Dip roots of sprouts for 30 seconds in the suspension. Plant promptly after treatment.

**SEED TREATMENT:**

To control seed decay, seedling blight and damping-off apply the following amounts of THIRAM 75 WP per 25 kg of seed. Mix seed and THIRAM 75 WP thoroughly.

**TREATMENT RATE**

Crop	per 25 kg seed
Beets, broccoli, brussel sprouts, cabbage, carrot, cauliflower, celery,grasses, lettuce, mustard, pepper, radish, spinach, sugar beet, turnip	90 g
Eggplant, tomato, onion	65 to 80 g
Snap bean, dry bean, peas, soybeans	25 to 35 g
Squash, pumpkin, watermelon, cucumber, cantaloupe	50 g
Sweet corn	55 g
Oilseed Juncea	90 g

**FIELD CORN:** To control seed decay, seedling blight and damping-off, apply THIRAM 75 WP at 30 grams per 25 kg of seed. Mix thoroughly.

**ONION:** For the control of smut in dry bulb onions, apply 625 to 750 g THIRAM 75 WP per kg of seed. Mix thoroughly.

**SAFFLOWER:** To control fungal diseases on safflower (i.e. *Alternaria* spp., *Fusarium* spp., *Pythium* spp., *Rhizoctonia solani*) apply 50 grams per 25 kg seed as a seed dressing at time of seeding.

**ALFALFA:** For the control of verticillium wilt in alfalfa, apply 90 g THIRAM 75 WP per 25 kg of seed. Mix thoroughly.

To apply THIRAM 75 WP as a slurry treatment, pre-mix THIRAM 75 WP in water as indicated below and apply through commercial seed treating equipment.

Kg Thiram 75 WP	Kg seed	Litres of water
1.5	417	5
3.0	833	10
4.5	1250	15

**OILSEED MUSTARD (*Brassica juncea* L.):** For the control of seed rots, damping-off and seedling blights of oilseed *Brassica juncea*, apply 90 g of THIRAM 75 WP per 25 kg of seed. Mix seed and THIRAM 75WP thoroughly. To apply THIRAM 75 WP as a slurry treatment, pre-mix THIRAM 75 WP in water as indicated below and apply through commercial seed treating equipment.

Kg Thiram 75 WP	Kg seed	Litres of water
1.5	417	2.5 – 6.25
3.0	833	5.0 – 12.5
4.5	1250	7.5 – 18.75

### **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 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 Crompton Co./Cie at 1-800-350-1745 or at [www.chemtura.com](http://www.chemtura.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. 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, augering or handling treated seed, work in a well-ventilated area and wear a suitable dust mask, goggles and gloves.
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. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., consult CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

**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 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 swallowed, induce vomiting with SYRUP OF IPECAC or INTUBATE the stomach. If reaction with alcohol occurs treat as disulfiram-alcohol reaction.

**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. The user assumes the risk to persons or property that arises from any such use of this product.

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