

PM 22

45728-24

8-19-99

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Thiram 65™



ACCEPTED

AUG 19 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticides registered under EPA Reg. No. 45728-24

Wettable Powder Fungicide

ACTIVE INGREDIENT:
Thiram (Tetramethylthiuram disulfide).....65.0%

INERT INGREDIENTS:.....35.0%

TOTAL 100.0%

EPA Reg. No. 45728-24 EPA Est. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ON SKIN: Wash with plenty of soap and water. Get medical attention.

IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes, skin or clothing. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Avoid breathing dust or spray mist. Remove contaminated clothing and wash clothing before re-use. The consumption of alcoholic beverages increases the toxic effects of Thiram.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.
- Wear dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.

GENERAL PRODUCT INFORMATION

Thiram 65™ is a broad spectrum fungicide for plant disease control in the culture of apples, peaches and strawberries.

UCB's recommendations for the use of this product are based upon tests believed to be reliable. FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

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 handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

CHEMIGATION: Do not apply this product through any type of irrigation system.

GENERAL RECOMMENDATIONS

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

Use recommended rates for dilute, concentrate, and aerial applications. Ground application is preferred, especially when full canopy of foliage exists. For dilute application, use Thiram 65™ at the recommended rate listed in the "per 100 gallons" column of the Specific Applications table. For concentrate ground application, apply the recommended rate listed in the "per acre" column of the Specific Applications table in a minimum of 20 gallons per acre. For aerial application, apply the recommended rate listed in the "per acre" column of the Specific Applications table in a minimum of 10 gallons per acre.

Applications of Thiram 65™ fungicide are most effective when made before infection periods. Under normal growing conditions, minimum label rates should be used. Maximum label rates and shorter spray intervals are recommended for severe or threatening disease conditions. If you are not familiar with such conditions, get advice from your state agriculture extension service.

MANUFACTURED FOR:



Chemicals

UCB Chemicals Corporation
2000 Lake Park Drive
Smyrna, Georgia 30080

NET WEIGHT: 10 LBS

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Addition of a spreader/sticker to the finished spray may improve coverage of fruit and foliage. Make fresh spray mixtures for each application.

MIXING INSTRUCTIONS

To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sift in the recommended amount of Thiram 65™ into the tank. Alternatively, Thiram 65™ may be washed into the spray tank through a deep screen or made into a slurry by mixing with a little water and diluting, then poured into the spray tank. Finish filling the tank with water and continue agitation until thoroughly mixed. Continue agitation and apply immediately.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. 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, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about (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 24 hours.

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, is:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

STORAGE AND DISPOSAL

Pesticide Storage

Do not contaminate water, food or feed by storage or disposal. Keep pesticide in original container. Do not reuse container. Store in a cool, dry place. Protect from excessive heat.

Pesticide Disposal

Do not dispose of product or container in or near any body of water. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

Warranty: UCB makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident, contact CHEMTREC at (800) 424-9300. For Other Emergencies, phone (770) 801-3248 or (770) 433-6421.

Thiram 65™ is a trademark of UCB Chemicals Corporation.

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Chemicals
UCB Chemicals Corporation
2000 Lake Park Drive
Smyrna, Georgia 30080

SPECIFIC APPLICATIONS FOR THIRAM 65™

FRUIT CROPS	DISEASES	POUNDS THIRAM 65™		DIRECTIONS FOR USE	
		per acre	per 100 gal		
APPLES	Apple Scab (<i>Venturia inaequalis</i>)	6 to 8 lbs	1.5 to 2 lbs ⁽¹⁾	Apply at pre-bloom, calyx and early cover sprays.	
		4 to 6 lbs	1 to 1.5 lbs ⁽¹⁾	Apply in late cover sprays.	
	Cedar Apple Rust (<i>Gymnosporangium</i> spp.)	6 to 8 lbs	1.5 to 2 lbs ⁽¹⁾	Apply in pre-bloom, calyx and first cover sprays. Keep foliage and fruit covered during infectious periods.	
		3 lbs	0.75 lbs ⁽¹⁾	If needed, apply at bloom.	
	Apple Blotch (<i>Phyllosticta solitaria</i>) Bitter Rot (<i>Glomerella cingulata</i>) Black Pox (<i>Helminthosporium papulosum</i>)	6 to 8 lbs	1.5 to 2 lbs ⁽¹⁾	Apply at pre-bloom, calyx and early cover sprays. Whenever weather conditions favor disease, shorten the interval between applications.	
	Black Rot on fruit and foliage (<i>Botryosphaeria obtusa</i>) Brook's Spot (<i>Mycosphaerella pomi</i>) Bull's Eye Rot (<i>Pezicula malicorticis</i>) (Pacific Northwest Only) Fly Speck (<i>Schizothyrium pomi</i>) Gray Mold Rot (<i>Botrytis cinerea</i>) Sooty Blotch (<i>Gloeodes pomigena</i>)	4 to 6 lbs	1 to 1.5 lbs ⁽¹⁾	Apply in late cover sprays.	
	PEACHES	Brown Rot Blossom Blight and Fruit Rot (<i>Monilinia</i> spp.)	4.5 to 6 lbs	1.5 to 2.0 lbs ⁽²⁾	For Blossom Blight, apply at 3 to 4 day intervals during popcorn, full bloom and petal-fall to protect newly opened blossoms. For Fruit Rot, apply at petal-fall and two weeks later. Make one or more additional applications at 7-day intervals beginning about one month before harvest, or earlier if rot is apparent on green fruit. Do not apply later than 7 days before harvest.
		Peach Leaf Curl (<i>Taphrina deformans</i>)	4.5 to 6 lbs	1.5 to 2.0 lbs ⁽²⁾	Apply dormant applications post-harvest in late fall and/or in late winter prior to bud swell.
	Rhizopus Rot (<i>Rhizopus</i> spp.)	4.5 to 6 lbs	1.5 to 2.0 lbs ⁽²⁾	Apply at petal-fall and two weeks later. Make one or more additional applications at 7-day intervals beginning about one month before harvest, or earlier if rot is apparent on green fruit. Do not apply later than 7 days before harvest.	
	Peach Scab (<i>Cladosporium carpophilum</i>)	4.5 to 6 lbs	1.5 to 2.0 lbs ⁽²⁾	Apply at petal-fall and repeat 3 to 6 times at 10 to 14 day intervals or until disease is well under control. Do not apply later than 7 days before harvest.	
STRAWBERRIES	Gray Mold (<i>Botrytis cinerea</i>)	4 to 5 lbs	2 to 2.5 lbs ⁽³⁾	Beginning at early blossom stage, broadcast 3 to 5 applications at 10 day intervals per crop cycle. Good coverage of strawberry buds, blossoms and developing fruit is required for best results. Do not apply within 3 days of picking.	

(1) Based on dilute sprays of 400 gallons per acre. Do not apply more than 8 lbs Thiram 65™ per application.
 (2) Based on dilute sprays of 300 gallons per acre. Do not apply more than 6 lbs Thiram 65™ per application.
 (3) Based on dilute sprays of 200 gallons per acre. Do not apply more than 5 lbs Thiram 65™ per application.

DO NOT graze or feed cover crops from treated orchards.
DO NOT rotate treated crops with crops other than those with registered Thiram uses.