

FEB 28 1997

Ms. Kristine M. Hooks  
Agent  
UCB Chemical Corporation  
2001 Jefferson Davis Highway, Suite 1010  
Arlington, VA 22202

Dear Ms. Hooks:

Subject: UCB Thiram 65<sup>®</sup>  
EPA Registration No. 45728-24  
Application and Letter Dated February 24, 1997, Request  
To Amend Labeling by Adding Bull's Eye Rot and Gray  
Mold Rot for The Use Site, Apples; and To Reinstate  
Use-Patterns for The Use Site, Peaches;  
and To Amend the Confidential Statement of Formula  
To Reflect an Alternate Site of Manufacture and  
New Sources of Inert Ingredients in Product

The proposed revised basic Confidential Statement of Formula (CSF) for the subject pesticide product, submitted on EPA Form 8570-4 and dated February 24, 1997, has been reviewed and found acceptable as an amendment to the registration of UCB Thiram 65<sup>®</sup> under the Federal Insecticide, Fungicide and Rodenticide Act, as amended. The CFS has been added to this Agency's record for this product. You should understand that the subject CFS replaces all other CSFs in this Agency's record for this product.

The proposed label amendments to claim control of Bull's Eye Rot and Gray Mold Rot of apples and to reinstate the claims for use on peaches have been reviewed and found acceptable as amendments to the registration of this product, UCB Thiram 65<sup>®</sup>, under the Federal Insecticide, Fungicide and Rodenticide Act, as amended provided that you:

- o Submit one (1) copy of your final printed label before you release this product for shipment under the subject labeling.

If this condition is not complied with, the registraion will be subject to cancellation in accordance with FIFRA

**BEST AVAILABLE COPY**

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

section 6(e). Your release for shipment of the product constitutes acceptance of this condition.

A stamped copy of the proposed label is enclosed for your records.

Sincerely, yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

EWilson:Diskette:Thiram:02:28:97

**BEST AVAILABLE COPY**



# Thiram 65<sup>TM</sup>

3 9 5

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
FEB 28 1997

ACTIVE INGREDIENT:	Thiram (Tetramethylthiuram disulfide).....	65.0%
INERT INGREDIENTS:	.....	35.0%
	TOTAL	100.0%

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

EPA Reg. No. 45728-24

EPA Est. 67545-AZ-1

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.)

97 FEB 25 PM 2:37

RECU L11111 P/DP01

### STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Harmful if swallowed. Wash thoroughly after handling.
- IF INHALED: Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash before reuse.
- IF ON SKIN: Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.
- IF IN EYES: Causes eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

### GENERAL PRODUCT INFORMATION

Thiram 65<sup>TM</sup> 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.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: May irritate eyes, nose, throat and skin. Harmful if inhaled or swallowed. Do not inhale dust or spray. Avoid contact with skin, eyes, and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. The consumption of alcoholic beverages increases the toxic effects of Thiram.

### 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.

### 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

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.

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.

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<sup>TM</sup> 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.

### 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.

Applications of Thiram 65<sup>TM</sup> 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.

**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).

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<sup>TM</sup> into the tank. Alternatively, Thiram 65<sup>TM</sup> 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.

### 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.

# BEST AVAILABLE COPY

## 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

## 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 <sup>(1)</sup>	Apply at pre-bloom, calyx and early cover sprays.		
		4 to 6 lbs	1 to 1.5 lbs <sup>(1)</sup>	Apply in late cover sprays.		
	Cedar Apple Rust ( <i>Gymnosporangium</i> spp.)	6 to 8 lbs	1.5 to 2 lbs <sup>(1)</sup>	Apply in pre-bloom, calyx and first cover sprays. Keep foliage and fruit covered during infectious periods.		
		3 lbs	0.75 lbs <sup>(1)</sup>	If needed, apply at bloom.		
	Apple Blotch ( <i>Phylosticta solitaria</i> ) Bitter Rot ( <i>Glomerella cingulata</i> ) Black Pox ( <i>Helminthosporium papulosum</i> ) Black Rot on fruit and foliage ( <i>Botryosphaeria obtusa</i> ) Brook's Spot ( <i>Mycosphaerella pomi</i> ) Bull's Eye Rot ( <i>Pezizula malicorticis</i> )* (Pacific Northwest Only) Fly Speck ( <i>Schizothyrium pomi</i> ) Gray Mold Rot ( <i>Botrytis cinerea</i> )* Sooty Blotch ( <i>Gloeodes pomigena</i> )	6 to 8 lbs	1.5 to 2 lbs <sup>(1)</sup>	Apply at pre-bloom, calyx and early cover sprays. Whenever weather conditions favor disease, shorten the interval between applications.		
		4 to 6 lbs	1 to 1.5 lbs <sup>(1)</sup>	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 <sup>(2)</sup>	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.
				4.5 to 6 lbs	1.5 to 2.0 lbs <sup>(2)</sup>	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 <sup>(2)</sup>	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 <sup>(2)</sup>	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 <sup>(3)</sup>	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.	

<sup>(1)</sup> Based on dilute sprays of 400 gallons per acre. Do not apply more than 8 lbs Thiram 65™ per application.

<sup>(2)</sup> Based on dilute sprays of 300 gallons per acre. Do not apply more than 6 lbs Thiram 65™ per application.

<sup>(3)</sup> Based on dilute sprays of 200 gallons per acre. Do not apply more than 5 lbs Thiram 65™ per application.

\* Not for use in California.

DO NOT graze or feed cover crops from treated orchards.

DO NOT rotate treated crops with crops other than those with registered Thiram uses.

575

**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 rinse 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.

NET WEIGHT:

MANUFACTURED FOR:



**Chemicals**

UCB Chemicals Corporation  
2000 Lake Park Drive  
Smyrna, Georgia 30080

**BEST AVAILABLE COPY**