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Mr. Samuel F. Rickard
Merck Sharp & Dohme Research Laboratories
Hillsborough Road
Three Bridges, NJ 08887

Dear Mr. Richard:

Subject: MERTECT 340-F
EPA Registration No. 618-75
MERTECT DF Fungicide
EPA Registration No. 618-92
FOLATEC Foliar Fungicide
EPA Registration No. 618-75-9492
Your Submission Dated June 15, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy of the label is enclosed for your records.

The new statement "Do not contaminate water when disposing of equipment washwaters" should replace the old one. Please delete the old statement.

Sincerely yours,

BR

Lois A. Rossi
Product Manager (21)
Fungicide-herbicide Branch
Registration Division (TS-767C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Product

48015
Flowable
(Water Dispersible
Suspension)

MERTECT® 340-F
FUNGICIDE

Active Ingredient—3.8 lb/gal
2-(4-Thiazolyl)
benzimidazole . 42.28%
Inert Ingredients . . . 57.72%

**PRECAUTIONARY
STATEMENTS**

EPA Est. 37429-GA-01

EPA REG No. 010-75-AA

Hazards to Humans and Domestic Animals
KEEP OUT OF REACH OF CHILDREN
CAUTION

HARMFUL IF SWALLOWED • CAUSES EYE AND SKIN IRRITATION

Avoid contact with eyes, skin and clothing.

Wash thoroughly with soap and water after handling.

Statements 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. Do not induce vomiting or give anything by mouth to an unconscious person. *If in Eyes:* Flush eyes with plenty of water. Call a physician if irritation persists. *If on Skin:* Wash with plenty of soap and water. Get medical attention if irritation persists.

Environmental Hazards

This pesticide is toxic to fish. Do not apply when weather conditions favor runoff or drift from the target area. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

See Other Panels for Additional Directions for Use

2 GALLONS (7.57 L)

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

JUN 11 1968

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

618-75

2 Gallons

MERTECT 340-F

Product 48015

DIRECTIONS FOR USE

It is a violation of Federal (U.S.A.) law to use this product in a manner inconsistent with its labeling.

GENERAL—SHAKE OR STIR WELL BEFORE USE.

MERTECT 340-F is a systemic fungicide recommended for the control of many important plant diseases. If treatment is not effective following use of MERTECT 340-F as recommended, a tolerant strain of fungus may be present. Consideration should be given to prompt use of other suitable fungicides.

Clean equipment before using MERTECT 340-F. When MERTECT 340-F is dispersed in water, the resulting suspension must be constantly agitated. Avoid foaming.

Use the higher recommended rates under conditions of heavier disease pressure.

Compatibility information for MERTECT 340-F with other chemicals is limited. Consult your supplier or agricultural experiment station for specific recommendations.

See supplemental labeling entitled "MERTECT® 340-F for Chemigation Application" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

CARROTS—Control of *Botrytis Cinerea* Gray Mold and *Sclerotinia Sclerotiorum* (Sclerotinia Rot): Dip carrots, before storage, for 5—10 seconds in a suspension containing 42 fl oz of MERTECT 340-F per 100 gal of water. Replenish the suspension when the volume is too low or when it becomes dirty.

The run-off and wastes from the dipping operation should not be discarded in a drainage which could contaminate public water systems.

DRY BEANS—Aids in the Control of White Mold (*Sclerotinia sclerotiorum*): Apply 16-32 fl oz of MERTECT 340-F in a minimum of 5 gallons of water per acre. Make the first application when beans are at 10% bloom. Repeat application at peak bloom. Do not make more than 2 applications per season. Do not treat within 28 days of harvest. Do not graze or feed foliage from treated areas to livestock. Do not tank mix with copper fungicides.

MUSHROOMS (*Agaricus* sp.)—To Aid in the Control of Dry Bubble (*Verticillium fungicola*), Wet Bubble (*Mycogone perniciosa*), Cobweb (*Dactylium dendroides*) and Green Mold (*Trichoderma* sp.): Apply in water during normal watering or in a hand sprayer. MERTECT 340-F may be applied at casing, luzzing, pinning and between breaks. A maximum of 20 fl oz of MERTECT 340-F per 1000 ft² may be applied to each crop. The first dose may contain up to 8 fl oz per 1000 ft². Subsequent doses should not exceed 4 fl oz per 1000 ft². Do not apply within 12 hours prior to harvest.

ORNAMENTAL BULBS AND CORMS—Control of *Fusarium* Basal Rot and *Penicillium* Blue Mold: Clean and treat bulbs or corms within 24—48 hours of digging. Prepare suspension of 30 fl oz MERTECT 340-F per 100 gal water. Submerge stock completely in dipping suspension. Suspension temperature should be 55—75°F (13—24°C). Discard suspension (1) when it becomes dirty, (2) after using five times, or (3) after 24 hours, whichever occurs first.

Fusarium (Bulbs and Corms): Dip bulbs 15—30 minutes, corms 15 minutes.

Blue Mold (Bulbs): Dip 10—15 minutes.

After treatment, dry bulbs or corms in a shaded, well ventilated area. Curing or retarding may precede or follow treatment.

POTATO—Control of *Fusarium* Tuber Rot: Mist unwashed tubers with tumbling action, entering storage with 0.42 fl oz of MERTECT 340-F of tubers in sufficient water for complete coverage. If an additional treat before shipping, mist the tubers at the same rate or dip the tubers for 20 sec containing 0.42 fl oz of MERTECT 340-F per gallon of water. Seed potatoes treated before cutting.

POME FRUIT (Apples and Pears)—Control of Blue Mold and Gray Mold (Nest Rot, Cluster Rot), Stem End and Neck Rot: Dip harvested fruit with a suspension of 16 fl oz MERTECT 340-F in 100 gal water for over 3 minutes. Treat apples only before and after storage for control. Treat pears once.

RICE—Reduce Severity of Rice Blast, Stem Rot, Sheath Blight and Brown Leaf Spot: Apply MERTECT 340-F at 6.0—12.0 fl oz per acre with sufficient water for coverage (minimum of 5 gallons of water per acre). Make two applications per season, the first application at boot initiation followed by a second application 14—21 days later. Use the higher rate when disease infestation is severe. Do not use in California.

SOYBEANS—Reduce the Severity of Pod and Stem Blight, Brown Spot, Frog Eye Leaf Spot and Purple Seed Stain (Groundnut Rot): Apply MERTECT 340-F at 6.0—10.0 fl oz per acre per application with sufficient water for coverage. Make two applications per season, the first application early pod set and the second application two weeks later. Make a minimum of 5 gallons of water per acre. Do not apply MERTECT 340-F within 21 days of harvest. Do not graze or feed treated soybean vines or hay to livestock. Do not tank mix with copper fungicides.

SOYBEANS GROWN FOR SEED PURPOSES—To Improve Seed Quality by Reducing the Severity of Pod and Stem Blight, Anthracnose, Brown Spot and Purple Seed Stain: Make a single application of MERTECT 340-F at 6.0—10.0 fl oz per acre to soybeans at growth stage R6 (pod fill) in sufficient water for coverage. Make aerial application in a minimum of 5 gallons of water per acre. Use the higher rate when disease potential is high as a result of greater than normal rainfall in August. Do not apply MERTECT 340-F within 21 days of harvest. Do not graze or feed soybean vines to livestock.

SUGAR BEETS (Post Harvest Treatment)—Reduce Rot Caused by *Botrytis*, and *Fusarium* Species: Mist sugar beet roots as they enter stock with a suspension of MERTECT 340-F to each 2,000 lb of sugar beet roots in sufficient water for coverage. (0.42 fl oz of MERTECT 340-F is equivalent to 0.2 oz of 1-methyl-2H-imidazole). Roots should be treated within 72 hours after lifting.

SWEET POTATO "SEED ROOTS"—Control of Black Root Rot: Dip the seed roots in a suspension containing 8 fl oz MERTECT 340-F in 100 gal water (107 fl oz per 100 gal). Treat the seed roots for 1—2 minutes and discard the suspension when the volume is too low or when it becomes dirty. Do not use treated roots for food or feed.