

PM 21  
618-75

Pg. 1 of 2

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%

EPA Est. 618-NJ-1

**PRECAUTIONARY  
STATEMENTS**

EPA REG No. 618-75-AA

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

**CAUTION**

**HARMFUL IF SWALLOWED**

Do not get in eyes or on skin.

**FIRST AID—If in eyes or on skin:** Flush with water; for eyes, get medical attention.

**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  
U.S. Pat. 3,370,957

**2 GALLONS (7.57 liters)**

**NOTICE OF WARRANTY—**The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MSD AGVET or the Seller. All such risks shall be assumed by the Buyer.

MSD AGVET warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. MSD AGVET makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall MSD AGVET or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. MSD AGVET and the Seller offer this product and the Buyer and user accept it, subject to the foregoing Notice of Warranty which may be varied only by agreement in writing signed by a duly authorized representative of MSD AGVET.

**MSDAGVET**  
Division of MERCK & CO., INC.  
Rahway, New Jersey 07065, U.S.A.

ACCEPTED  
NOV 28 1985  
Under the Federal Insecticide  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 618-75

8588702

MERCK & CO., Inc.  
Rahway, New Jersey  
AUG 20 1985

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 consistently 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.

**SOYBEANS**—Reduce the Severity of Pod and Stem Blight, Anthracnose, Brown Spot, Frog Eye Leaf Spot and Purple Seed Stain (Ground and Aerial Applications): Apply MERTECT 340-F at 6.0—10.0 fl. oz. per acre per application in sufficient water for coverage. Make two applications per season, the first application at late flowering to early pod set and the second application two weeks later. Make aerial applications in 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.

**POME FRUIT (Apples and Pears)**—Control Blue Mold Rot, Bull's Eye Rot, and Gray Mold (Nest Rot, Cluster Rot), Stem End and Neck Rot: Dip, flood, or spray harvested fruit with a suspension of 16 fl. oz. MERTECT 340-F in 100 gal. water. Do not treat for over 3 minutes. Treat apples only before and after storage for maximum decay control. Treat pears once.

**SUGAR BEETS**—Control Cercospora Leaf Spot: Use 6—12 fl. oz. MERTECT 340-F per acre. **GROUND Spraying**—Use MERTECT 340-F in 25—125 gal. water per acre. **AERIAL Spraying**—Use MERTECT 340-F in 3—10 gal. per acre.

Begin application when disease first appears. Repeat application at 14—21 day intervals (up to a maximum of 5 applications). Do not apply within 21 days of harvest.

**SUGAR BEETS (Post Harvest Treatment)**—Reduce rot caused by *Penicillium*, *Botrytis*, and *Fusarium* species: Mist sugar beet roots as they enter storage with 0.42 fl. oz. of MERTECT 340-F to each 20' of sugar beet roots in sufficient water for complete coverage. (0.42 fl. oz. of MERTECT 340-F is equivalent to 1.0 (4-thiazolyl) benzimidazole.) Roots should be treated within 72 hours after lifting.

**ORNAMENTAL BULBS AND CORMS**—Control *Fusarium* Basal Rot and *Penicillium* rot: 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 use 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.

**SWEET POTATO "SEED ROOTS"**—Control Black Rot, Scurf, and Foot Rot: Dip the seed roots in a suspension containing 8 fl. oz. MERTECT 340-F per 7.5 gal. water (107 fl. oz. per 100 gal.). Treat the seed roots for 1—2 minutes and plant immediately. Discard the suspension when the volume is too low or when it becomes dirty. Do not use the treated roots for food or feed.

**POTATO**—Control *Fusarium* Tuber Rot: Mist unwashed tubers on a conveyor line, with tumbling action, entering storage with 0.42 fl. oz. of MERTECT 340-F to each 2000 lb. of tubers in sufficient water for complete coverage. If an additional treatment is necessary before shipping and cutting the seed tubers, mist the tubers at the same rate or dip the tubers for 20 seconds in a solution containing 0.42 fl. oz. of MERTECT 340-F per gallon of water.

**WHEAT**—Control of *Cercospora* Foot Rot: Apply MERTECT 340-F after the development of 2—3 tillers but prior to the time the first node is visible in the spike. **AERIAL Application**: Apply 16—24 fluid ounces of MERTECT 340-F in a minimum of 5 gallons of water per acre. **GROUND Application**: Apply 16—24 fluid ounces of MERTECT 340-F per acre in sufficient water for coverage. Do not allow livestock to graze or feed on treated green wheat forage.

**RICE**—Reduce Severity of Rice Blast, Stem Rot, Sheath Blight, and Narrow Brown Leaf Spot: Apply MERTECT 340-F at 6.0—12.0 fl. oz. per acre per application in sufficient water for coverage (minimum of 5 gallons of water per acre for aerial application). 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 infestations are moderate to severe. Do not use in California.

**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.

**BANANAS AND PLANTAINS**—Control of Crown Rot: Use 45 ml. (1.5 fl. oz.) to 100 ml. (3.4 fl. oz.) per 227 liters (60 gallons) of water. Dip fruit for 2 to 4 minutes after it has been deheaded from the stem and passed through the deleafing operation. Use the low rate where rot incidence is low. Stir the mixture frequently to maintain the suspension. Replenish the suspension when the volume is too low or when it becomes dirty.

### STORAGE AND DISPOSAL

**DISPOSAL: Prohibitions**—Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. **Pesticide Disposal**—Pesticide, spray mixture or rinse that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act. **Container Disposal**—Triple rinse (or equivalent), then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DO NOT STORE BELOW 32°F (0°C).

SHAKE OR STIR WELL BEFORE USE