



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Raymond Brinkmyer, Ph.D.  
Regulatory Leader - Regulatory Affairs  
Dow AgroSciences, LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

SEP 30 2010

Dear Dr. Brinkmyer:

Subject: Dithane F-45 Flowable Mancozeb Agricultural Fungicide  
EPA Reg. No. 62719-396  
Your Submission of September 6, 2005  
Supplemental label adding new uses - tropical fruits, cucurbits and ginseng  
EPA Decision Number D360520

The supplemental label referred to above submitted in connection with registration under section (3) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable provided that this supplemental label is incorporated into the main label within 18 months or at the next label printing, whichever comes first, and provided you make the following label changes:

1. Move the heading "Directions for Use" so that it is above the box which contains the misuse statement "It is a violation of Federal law to use this product in a manner inconsistent with its labeling."
2. Revise the column heading "Rate per Application (qt/acre)" to read "Rate per Application (qt product/acre)"
3. In the "Remarks" box for the crops atemoya, etc., revise the text to read as follows:  
"Begin applications at flowering and continue at a 7-day retreatment interval.  
Applications made with aerial equipment must be made in a minimum spray volume of 10 gallons per acre."
4. In the "Restrictions" column for atemoya, etc., revise the bullet "Do not apply more than 26.25 quarts of this product (26.25 lb ai) per acre per growing cycle." to "Do not apply more than 26.25 quarts of this product (26.25 lb ai) per acre per year."
5. In the "Restrictions" column for cucurbits, revise the bullet "Do not apply more than 19.2 quarts of this product (19.2 lb ai) per acre per crop." to read "Do not apply more than 19.2 quarts of this product (19.2 lb ai) per acre per year."

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Product Name Dithan F-45 Flowable Mancozeb Agricultural Fungicide

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6. In the "Restrictions" column for canistel, etc., revise the bullet "Do not apply more than 28 quarts of this product (28 lb ai) per acre per growing cycle." to read "Do not apply more than 28 quarts of this product (28 lb ai) per acre per year."
7. In the "Restrictions" column, revise all the bullets which limit the number of applications by changing the last part of the sentence from "... applications per crop per year." to read "... applications per year."

Please submit one copy of your final printed supplemental labeling before the product is released for shipment. A stamped copy of the label is enclosed for your records. If you have any questions, please contact Lisa Jones on my team at (703) 308-9429 or [jones.lisa@epa.gov](mailto:jones.lisa@epa.gov).

Sincerely,



Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7504P)

Enclosure: Stamped Supplemental label

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# Supplemental Labeling



Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

## Dithane<sup>®</sup> F-45 Flowable Mancozeb Agricultural Fungicide

EPA Reg No. 62719-396

### Disease Control in Various Crops

#### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Dithane<sup>®</sup> F-45 Flowable Mancozeb Agricultural Fungicide fungicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Dithane F-45 Flowable Mancozeb Agricultural Fungicide according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Dithane F-45 Flowable Mancozeb Agricultural Fungicide.

#### Directions for Use

Crops	Disease Controlled	Rate per Application (qt/acre)	Remarks (Also Refer to Directions for Use)	Restrictions
atemoya cherimoya custard apple sugar apple sweetsop	anthracnose	1.6 - 1.8	Begin applications at flowering and continue at approximately 7-day intervals. Applications made with aerial equipment must be made in a minimum spray volume of 5 gallons per acre.	<ul style="list-style-type: none"> <li>• Do not apply more than 26.25 quarts of this product (26.25 lb ai) per acre per growing cycle.</li> <li>• Do not make more than 14 applications per crop per year.</li> <li>• Applications may be made up to the day of harvest.</li> </ul>
ginseng	alternaria blight	1.5	Begin applications when disease first threatens and repeat every 7 to 10 days as needed. In Wisconsin, apply with ground equipment and a minimum of 80 gallons of water per acre.	<ul style="list-style-type: none"> <li>• Do not apply more than 18 quarts of this product (18 lb ai) per acre per year.</li> <li>• Do not make more than 12 applications per crop per year.</li> <li>• <b>Preharvest Interval:</b> Do not apply within 30 days of harvest.</li> </ul>
cucurbit crop group chayote Chinese waxgourd citron melon cucumber gherkin	alternaria leaf spot anthracnose cercospora leaf spot downy mildew gummy stem blight	1.6 - 2.4	Begin applications when the plants are in the two-leaf stage and repeat at 7- to 10-day intervals. Use sufficient water and direct spray to provide thorough coverage of both upper and lower leaf	<ul style="list-style-type: none"> <li>• Do not apply more than 19.2 quarts of this product (19.2 lb ai) per acre per crop.</li> <li>• Do not make more than 8 applications per crop per year.</li> <li>• <b>Preharvest Interval:</b> Do</li> </ul>

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Crops	Disease Controlled	Rate per Application (qt/acre)	Remarks (Also Refer to Directions for Use)	Restrictions
gourd, edible <i>Momordica</i> spp. muskmelon pumpkin squash, summer squash, winter watermelon	scab		surfaces. Some cantaloupe varieties (i.e., harvest queen, gold star, super star, sweet and early, and saticoy) are sensitive to this product. Applications made with aerial equipment must be made in a minimum spray volume of 2 gallons per acre. Consult State Cooperative Extension Service Specialist prior to use.	not apply within 5 days of harvest.
canistel mamey sapote mango sapodilla star apple (caimito) white sapote	anthracnose black spot ( <i>cercospora</i> ) phytophthora fruit rot	1.6 - 2	Begin applications at flowering and continue at 14- to 21-day intervals. Direct spray to crown and blossom area. Use 20 to 100 gallons of water per acre.	<ul style="list-style-type: none"> <li>Do not apply more than 28 quarts of this product (28 lb ai) per acre per growing cycle.</li> <li>Do not make more than 14 applications per crop per year.</li> <li>Applications may be made up to the day of harvest.</li> </ul>

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**SEP 30 2010**

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

**62719-396**

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EPA accepted: \_\_/\_\_/\_\_

Initial printing.