

241-410

03/29/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Christina Hartman
BASF Corporation
P.O. Box 400
Princeton, NJ 08543-0400

MAR 29 2001

Dear Ms. Hartman:

SUBJECT:	Acrobat MZ Fungicide	Acrobat Technical
	EPA Reg. # 241-383	EPA Reg. # 241-382
	Submission of 7/7/99	Submission of 7/7/99
	Acrobat 50 WP	Acrobat MZ WDG
	EPA Reg. # 241-410 ✓	EPA Reg. # 241-395
	Submission of 2/6/01	Submission of 7/7/99

The amendments referred to above, submitted in connection with registration under Section (3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) are conditionally accepted provided that you:

1. Submit or cite all data required for registration or reregistration of your product under FIFRA Section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.
2. Submit the following studies which are to be conducted in accordance with the Test Guidelines listed in 40 CFR Part 158:

<u>Guideline Reference Number</u>	<u>Study Title</u>	<u>Date Due</u>
71-1(a) (waiver was denied)	Acute Fish Toxicity-Bluegill	10/1/01
72-2(a) (waiver was denied)	Acute Aquatic Invertebrate	10/1/01
72-4(a) (waiver was denied)	Freshwater Fish Early Life Stage	10/1/02
72-4(a)	Estuarine Fish Early Life Stage	Reserved
72(b)	Estuarine Life Cycle- Invertebrate	Reserved
123-2	Aquatic Plant Growth-Duckweed And Green Algae (TEP-Acrobat 50 WP)	10/1/01

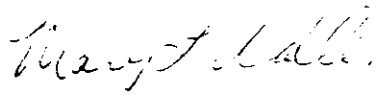
- 3. Submit production information (pounds or gallons produced) for these products for the fiscal year in which the use on ornamentals and tobacco was conditionally registered in accordance with FIFRA Section 29. The fiscal year begins October 1 and ends September 30. Production information must be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information must be submitted to:

U.S. Environmental Protection Agency
 Office of Pesticide Programs (7504C)
 Document Processing Desk
 1200 Pennsylvania Ave., NW
 Washington, DC 20460

- 4. Submit one copy of the final printed labeling before you release the product for shipment.

If these conditions are not complied with, these amendments will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of the conditions. A stamped copy of the label is enclosed for your records. If you have any questions, you may reach me at (703) 308-9354.

Sincerely,



Mary L. Waller
 Product Manager 21
 Fungicide Branch
 Registration Division (7505C)

Enclosures

ACROBAT
50WP FUNGICIDE

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Supplemental Labeling

EPA Reg. No. 241-410

U.S. Patent No. 5,952,496

ACROBAT[®] 50WP fungicide For Control of Blue Mold in Tobacco Field Production

OBSERVE ALL PRECAUTIONARY STATEMENTS ON THE ACROBAT 50WP CONTAINER LABEL BEFORE USING.

DIRECTIONS FOR USE

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 FUNGICIDE APPLICATION. DO NOT apply this product through any type of irrigation system to tobacco. Do not apply this product when wind conditions favor drift.

GENERAL INFORMATION

ACROBAT 50WP can only be used to prevent the infection by or reduce the spread of blue mold in tobacco. Maximum results can only be achieved by thorough plant coverage. ACROBAT 50WP must be used in accordance with this labeling. It is recommended that this product be used within an Integrated Pest Management Program.

In order to reduce the risk of the development of fungicide resistance, ACROBAT 50WP must be used as a tank-mix with fungicides, except mefenoxam or metalaxyl, registered for blue mold control. The use of ACROBAT 50WP in all transplant production systems (including greenhouses, float-beds, and traditional ground beds) is STRICTLY PROHIBITED. DO NOT use ACROBAT 50WP in transplant water.

Carefully read, understand, and follow all directions and precautions.

Disease pressure, plant growth rate, and environmental conditions will determine the length of the spray interval and frequency of application. Sprayers should be properly calibrated before application. Determine the area in square feet to be sprayed and the output rate to determine the quantities of ACROBAT 50WP and water needed for accurate application. Apply material with adequate spray pressure and gallonage and using proper nozzle arrangement (See Diagram below) to provide full coverage for the current stage of growth.

MIXING INSTRUCTIONS

Fill the spray tank until it is approximately 1/2 full with clean water. Slowly, add ACROBAT 50WP to the spray tank while agitating. Agitation must be engaged prior to the addition of the product to obtain a complete and uniform mixture of ACROBAT 50WP.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

3/29/01

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

TANK MIXES WITH FUNGICIDES

DO NOT apply ACROBAT 50WP alone. ACROBAT 50WP must be used in a tank-mix with fungicides, except mefenoxam or metalaxyl, registered for blue mold control.

Refer to the respective tank-mix partner labeling for rates, methods of applications, proper timing, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions.

TANK MIXES WITH INSECTICIDES

ACROBAT 50WP may be tank mixed with Orthene¹ or endosulfan. The crop safety and tank mix compatibility of tank mixes with insecticides other than those previously listed have not been fully investigated. When tank mixing with other pesticides, conduct a jar-test with rates and volumes of carrier typically used in an agricultural application. Look for signs of separation, globules, sludge, flakes or other precipitates. DO NOT tank mix with the other pesticide if the jar test with ACROBAT 50WP has indicated incompatibility.

DO NOT mix ACROBAT 50WP with surfactants, foliar fertilizers, household bleach, or sucker control materials.

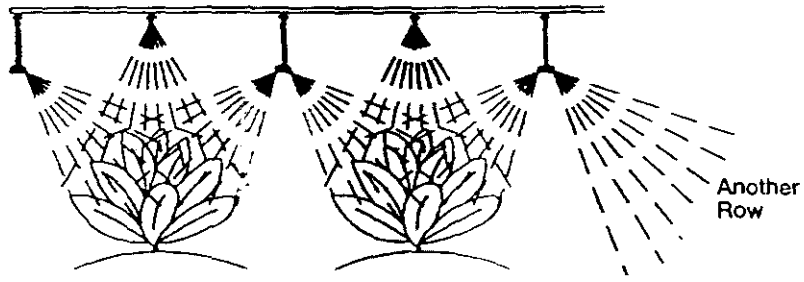
DIRECTIONS FOR USE IN FIELD GROWN TOBACCO

ACCEPTABLE CONTROL OF BLUE MOLD AND MANAGEMENT OF FUNGICIDE RESISTANCE WITH ACROBAT 50WP REQUIRES THOROUGH COVERAGE TO LEAF SURFACES THROUGHOUT THE ENTIRE PLANT CANOPY.

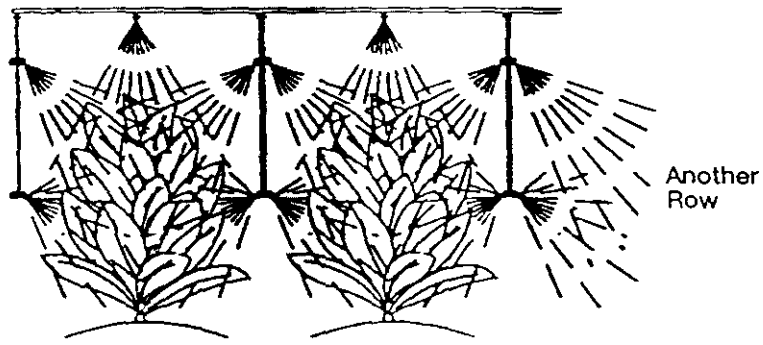
TRACTOR-DRIVEN SPRAYER APPLICATIONS

To obtain thorough coverage of the foliage, use proper spray pressure, fungicide nozzles (such as hollow cones), proper nozzle spacing (nozzles over the row and multiple nozzles on the drops, SEE DIAGRAM below), and slow tractor speed. The following diagram outlines the correct spray nozzle configuration for field applications in tobacco.

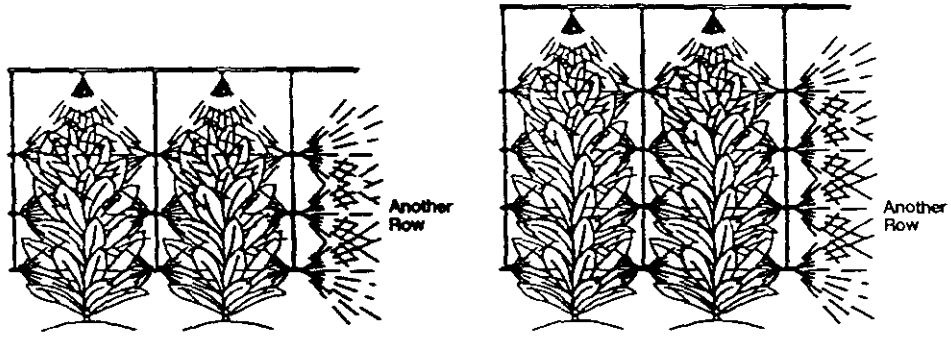
Application Following Transplanting Up To 3 Weeks



Application To Mid - Size Plants (3-5 Weeks After Transplanting)



Application To Large Plants (6 Weeks After Transplanting Up To Topping)



BACKPACK SPRAYER APPLICATIONS

ACROBAT 50WP can be applied with backpack mist blowers or air-blast blowers. DO NOT apply with hand-pumped backpack sprayers due to low pressures and poor plant coverage. Spray to foliar run-off. Thorough plant coverage is essential for preventative control of blue mold.

Application Timing, Rates and Spray Volumes To Control Blue Mold

Weeks of Growth After Transplant	Rate of ACROBAT 50WP (Oz. of Product)	Spray Volume for Tractor-Driven Sprayer (Gallons/Acre)	Spray Volume for Backpack Sprayer (Gallons/Acre)
Recently transplanted to 3 weeks after transplanting	2	20	10
3-4 Weeks after transplanting (Knee High)	3	40	20
4-5 Weeks after transplanting (Waist High)	4	60	30
6-7 Weeks after transplanting (Chest High)	6	80	40
7 Weeks after transplanting and beyond (Shoulder Height Up to Topping)	7	100	50

AERIAL SPRAY APPLICATIONS

Aerial applications can be used by growers who have limitations with ground applications, or when weather conditions are unfavorable for timely applications by ground. Aerial sprayers should be properly calibrated before application. Determine the area to be sprayed and the output rate to determine the quantities of ACROBAT 50WP and water needed for accurate application. To obtain thorough coverage of the foliage, use a minimum of 15 gallons per acre, with nozzle positioning and orientation that favors plant coverage while minimizing drift.

For aerial applications, use 8 oz. of ACROBAT 50WP per acre for applications at all growth stages. DO NOT use rates lower than 8 oz. of ACROBAT 50WP per acre for aerial application.

APPLICATION TIMING AND FREQUENCY

Begin applications when the Blue Mold Advisory states that conditions favor development of blue mold, and before the onset of disease infection. Continue applications on a 5-7 day spray schedule until weather conditions favoring infection and sporulation decrease.

DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. 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 use of, or application of the product contrary to label instructions, all of which are beyond the control of BASF Corporation (BASF). All such risks shall be assumed by the user.

BASF shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

BASF warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

BASF DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF ACROBAT 50WP. In no case shall BASF or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

USES WITH OTHER PRODUCTS (TANK MIXES)

If this product is used in combination with any other product except as specifically recommended in writing by BASF, then BASF shall have no liability for any loss, damage, or injury arising out of its use in any such combination not so specifically recommended. If used in a combination recommended by BASF, the liability of BASF shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the BASF product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the product.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

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