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.
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 Orthene\(^1\) 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

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

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.
RESTRICTIONS

**DO NOT** exceed 8 oz./acre per application. **DO NOT** exceed 32 oz./acre of ACROBAT 50WP per season for all types of applications. ACROBAT 50WP preharvest interval is zero days. Refer to tank-mix partner labeling for preharvest interval restrictions.

The use of ACROBAT 50WP in all transplant production systems (including greenhouses, float-beds, and traditional ground beds) prior to transplanting is **STRICTLY PROHIBITED**.

To reduce the possibility of developing blue mold resistance to both ACROBAT 50WP and to mefenoxam or metalaxyl products, the tank mixing of ACROBAT 50WP with any of these products is **STRICTLY PROHIBITED**. **DO NOT** use ACROBAT 50WP in transplant water.

Blue mold fungal strains have developed resistance to some crop protection products after repeated use. Since the development of resistance cannot be predicted, ACROBAT 50WP should always be used in a blue mold resistance management program. Tank mixing and thorough spray coverage are necessary to minimize the development of blue mold strains with resistance to ACROBAT 50WP.

**ROTATIONAL CROP GUIDELINES**

After making the last ACROBAT 50WP application, rotational crops may be planted at the following intervals:

1. **Any time**
   - Potatoes
   - Tobacco

2. **One month**
   - Barley
   - Oats
   - Wheat
   - Leafy vegetables, such as head lettuce, leaf lettuce, spinach, and celery
   - Brassica vegetables, such as broccoli, cabbage, and cauliflower
   - Root/tuber and bulb vegetables, such as carrot, onion, radish, and sugar beet

3. **Seven months**
   - Alfalfa
   - Beans
   - Clover
   - Corn
   - Peas
   - Rice
   - Sorghum
   - Soybeans

4. **Twelve months**
   - All other crops
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

© 2001 BASF Corporation
All rights reserved

1Orthene is a Trademark of Valent U.S.A. Corporation.
©Registered Trademark of BASF.
NVA 2001-04-102-0141
3/28/01