

241-395

06/08/2009

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
**241-395**

Date of Issuance:  
**JUN 8 2009**

Terms of Issuance:  
**Unconditional**

Name of Pesticide Product:  
**Acrobat® MZ WDG fungicide**

NOTICE OF PESTICIDE:  
     Registration  
XX Reregistration  
under FIFRA, as amended

Name and Address of Registrant (include ZIP Code):  
**BASF Corporation**  
**25 Davis Drive**  
**Research Triangle Park, NC 27709-3528**

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the mancozeb Reregistration Eligibility Document, EPA has reregistered the product listed above provided that the following change is made to the label:

1. On page 18 move the last paragraph (**ATTENTION: This product contains....**) to below the box.

Signature of Approving Official:  
*Mary L. Waller*  
Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division

Date:  
**6/8/2009**

Notice of Product Reregistration  
Acrobat® MZ WDG fungicide  
EPA Reg. No. 241-395  
Page 2 of 2

This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

The basic Confidential Statement of Formula (CSF) dated 8/7/08, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable. This CSF supersedes all CSFs previously accepted for this product.

Sincerely,



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

Enclosures:

- PRB Preliminary Label Review DP356586 dated 9/24/08
- Product Chemistry Review DP355546 dated 8/26/08 (revised CSF)
- Product Chemistry Review DP351781 dated 6/2/08
- Acute Toxicity Review DP351782 dated 4/30/08

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated

JUN 8 2009

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

241-395



The Chemical Company

# Acrobat<sup>®</sup> MZ WDG fungicide

Water Dispersible Granule

**Active Ingredients:**

dimethomorph.....	9.0%
mancozeb.....	60.0%
<b>Other Ingredients:</b> .....	<b>31.0%</b>
<b>Total:</b> .....	<b>100.0%</b>

EPA Reg. No. 241-395

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION  
PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

See inside for complete **First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

**Net Contents:**

BASF Corporation  
26 Davis Drive, Research Triangle Park, NC 27709

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).</p>	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. **DO NOT** breathe dust or spray mist. Avoid contact with skin, eyes and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. For more options, follow the instructions for **Category A** on an EPA chemical-resistance category-selection chart.

**Mixers, loaders, applicators, and other handlers must wear:**

- Long-sleeved shirt
- Long pants
- Shoes and socks

**In addition, all handlers except pilots, ground-boom applicators, and air-blast applicators must wear:**

- Chemical-resistant gloves made of any waterproof material
- A NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any R, P, or HE filter

See **Engineering Controls** for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

**Engineering Controls.** Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)]. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside; then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</li> </ul>

**Environmental Hazards**

This pesticide is toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during the application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is:

- Coveralls
- Shoes and socks
- Chemical-resistant gloves made of any waterproof material

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food or feed by storage or disposal.

**Pesticide Storage.** Store in a cool, well-ventilated area. **DO NOT** allow product to become overheated in storage. Keep container closed when not in use.

**Pesticide Disposal.** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**Container Disposal  
(for paper or plastic bags)**

**Nonrefillable Container.** **DO NOT** reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**GENERAL INFORMATION**

**Acrobat® MZ WDG fungicide** can be used in a preventive spray program to manage late blight and tuber blight in potatoes. **Acrobat MZ WDG** must be used in accordance with this label.

Dual and complementary modes of action provided by **Acrobat MZ WDG** make it ideal for late blight and tuber blight management programs where fungicide rotation is emphasized to help prevent the development of disease resistance. Carefully read, and understand, and follow all directions and precautions.

THIS LABEL 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 unless the label instructions on chemigation are followed. See **CHEMIGATION USE DIRECTIONS**.

Disease pressure and environmental conditions will determine application rates and the length of the spray intervals. Sprayers should be properly calibrated before application. Determine the exact number of acres to be sprayed and output per acre to determine how much **Acrobat<sup>®</sup> MZ WDG fungicide** and water is needed for accurate applications.

**MIXING INSTRUCTIONS**

Fill the spray tank until it is approximately 1/2 full with clean water. Add **Acrobat MZ WDG** 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 MZ WDG**. Follow more restrictive labeling of any tank mix partner. **DO NOT** tank mix with any product which contains a prohibition on tank mixing.

**COMPATIBILITY**

The tank mixing behavior of this fungicide with other pesticides has not been fully investigated. If tank mixing with other pesticides is desirable, 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 MZ WDG** has indicated incompatibility.

**GROUND APPLICATION**

Maximum benefit of **Acrobat MZ WDG** from foliar applications requires thorough coverage inside and outside the plant canopy. To obtain thorough coverage of foliage, use proper spray pressure, a minimum of 20 gallons per acre, appropriate nozzles that provide uniform spray distribution and minimize drift, nozzle spacing and tractor speed.

**AERIAL APPLICATION**

Prior to aerial application, check the aircraft for uniformity of spray pattern, spray swath width and output. Use hollow cone or whirl plate nozzles. Point nozzles straight down or slightly backward. Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. If foliage is dense, use an output that will ensure optimum fungicide penetration. Spray swaths should be marked using flaggers who are in completely enclosed vehicles, or by counting rows, or by using some other marking device. **DO NOT** apply when weather conditions favor drift.

**SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g. wind direction, wind speed, temperature, and relative humidity) and method of application (e.g. ground, aerial, air-blast, and chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Wind speed**

**DO NOT** apply at wind speeds greater than 15 mph.

**Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. **DO NOT** make applications into areas of temperature inversions or stable atmospheric conditions.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

**Equipment**

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

**Additional requirements for aerial applications:**

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. **DO NOT** release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the upwind and downwind edge of the application area by adjusting the path of the aircraft upwind.

**Additional requirements for ground-boom application:**

**DO NOT** apply with a nozzle height greater than 4 feet above the crop canopy.

**CHEMIGATION USE DIRECTIONS**

Apply **Acrobat® MZ WDG fungicide** prior to the onset of disease infection on a regular protectant spray schedule, not an irrigation schedule. Chemigation applications must be made on a 5-day to 10-day spray schedule depending on disease pressure and environmental conditions. Consult local late blight advisory system recommendations to determine the predicted disease pressure and the associated application rates and intervals. Chemigation applications may need to be supplemented with ground or aerial applications if irrigation cycles are less frequent than what is recommended on the label to obtain optimum control.

Apply **Acrobat MZ WDG** only through sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set, or hand move irrigation systems. **DO NOT** apply product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact state extension service specialists, equipment manufacturers or other experts. The irrigation system must be correctly calibrated (with water only) to ensure that the labeled rate of **Acrobat MZ WDG** is applied. **DO NOT** connect an irrigation system (including greenhouse systems)



used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional reduced-pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least 2 times the inside diameter of the fill pipe. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system should have properly working nozzles providing the recommended output and pattern. The chemigation system should also be free of leaks.

#### **Overhead Sprinkler Irrigation System Requirements**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
5. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point that pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

The following routine checks will help to ensure that the sprinkler irrigation system is working properly.

1. Use a calibrated injection metering pump as specified by the manufacturer.
2. Metering pumps, the supply tank, and any associated equipment must be clean and dry before adding diluted **Acrobat® MZ WDG fungicide** to the system for injection.
3. Check the metering pump periodically to confirm that **Acrobat MZ WDG** is being injected continuously and at the proper calibration throughout the irrigation period.
4. Continuous agitation must be maintained in the supply tank during the entire overhead sprinkler irrigation period.

**Center Pivot and Lateral Move Irrigation Equipment**

(Use only with electric or oil hydraulic-drive systems which provide a uniform water distribution.)

1. Determine size of area to be treated.
2. Determine the time required to apply the least amount of water. No more than 0.2 inch of water should be applied over the area to be treated when the system and injection equipment are operated at normal pressures recommended by the equipment manufacturer's rated capacity.
3. Using only water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of **Acrobat MZ WDG** required to treat area.
5. Add the required amount of **Acrobat MZ WDG** and sufficient water to meet the injection time requirements of the solution tank.
6. Maintain constant solution tank agitation during the injection period.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the **Acrobat MZ WDG** solution has cleared the sprinkler head.

**Solid-set, Side (wheel) Roll, and Hand Move Irrigation Equipment**

1. Determine acreage covered by sprinkler.
2. Fill injector solution tank with water and adjust flow rate to use contents over a 10-minute to 30-minute interval.
3. Determine the amount of **Acrobat MZ WDG** required to treat the area.
4. Add the required amount of **Acrobat MZ WDG** into the same quantity of water used to calibrate the injection equipment.
5. Maintain constant solution tank agitation during the injection period.
6. Operate system at normal pressures recommended by the manufacturer of the injection equipment and use for the time interval established during calibration.
7. Inject **Acrobat MZ WDG** at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
8. Stop injection equipment after treatment is completed. Continue to operate the system until **Acrobat MZ WDG** solution has cleared the last sprinkler head.

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### Acrobat® MZ WDG fungicide Use Directions For Potatoes

Diseases Controlled	Rate of Acrobat MZ WDG per acre per Application Based on Spray Interval		
Late blight	2.25 lbs/acre	<p>Begin applications when plants are 4- to 6-inches high or prior to the onset of disease infection.</p> <p>Apply 2.25 lbs/acre of <b>Acrobat MZ WDG</b> and spray to runoff.</p> <p>Make applications on a 5- to 10-day spray schedule*.</p>	<p><b>DO NOT</b> make more than 5 applications in any one season.</p> <p><b>DO NOT</b> apply within 14 days of harvest in all states.</p> <p>Maximum application rate of product: 11.25 lbs/acre.</p>

\*Make applications on a 7- to 10-day schedule under low-to-moderate late blight pressure. However, when environmental conditions have been conducive for late blight, or when late blight has been detected within the field or nearby, or when under moderate-to-high late blight pressure, use a 5- to 7-day schedule.

For optimum activity, **Acrobat MZ WDG** should not be applied if rainfall is expected within two hours of application.

#### ROTATIONAL CROP GUIDELINES

After making the last **Acrobat MZ WDG** application, rotational crops may be planted at the following intervals:

**Any time**

Potatoes

**One month:**

Barley

Oats

Tobacco

Wheat

Brassica vegetables, such as

broccoli

cabbage

cauliflower

Leafy vegetables, such as

celery

head lettuce

leaf lettuce

spinach

Root/tuber and bulb vegetables, such as

carrot

onion

radish

sugar beet

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## ROTATIONAL CROP GUIDELINES (continued)

### Seven months

- Alfalfa
- Beans
- Clover
- Corn
- Peas
- Rice
- Sorghum
- Soybeans.

### Twelve months

- All other crops

## RECOMMENDATIONS

It is recommended that this product be used within an Integrated Pest Management (IPM) program. Vine kill should occur 14 days before harvest.

## ADDITIONAL RESTRICTIONS

### Foliar Applications

**Where EBDC products used allow the same maximum poundage of active ingredient per acre per season:** If more than one product containing an EBDC active ingredient (maneb, mancozeb or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

**Where EBDC products used allow different maximum poundage of active ingredient per acre per season:** If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC maximum seasonal poundage of active ingredient allowed per acre.

### Seed Treatments with EBDC Products

In addition to the maximum number of foliar applications permitted by the formula stated above, a single application or seed treatment may be made on crops that have registered seed treatment uses.

**NOTE: DO NOT** use this product for seed treatment uses.

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[OPTIONAL LANGUAGE FOR ORNAMENTAL CROPS GROWN IN  
COMMERCIAL GREENHOUSES AND SHADEHOUSES]

**GENERAL INFORMATION**

**Acrobat® MZ WDG fungicide** is a broad-spectrum protectant fungicide for use on herbaceous and woody ornamental crops grown in commercial greenhouses and shadehouses. **Acrobat MZ WDG** must be used in accordance with this label. **Acrobat MZ WDG** can be used in a preventive spray program to manage numerous diseases.

The unique mode of action of **Acrobat MZ WDG** makes it ideal for disease management programs where fungicide rotation is emphasized to help prevent the development of resistance.

THIS LABEL 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 unless the label instructions on chemigation are followed. See **CHEMIGATION USE DIRECTIONS**. Carefully read, understand, and follow all directions and precautions.

Disease pressure and environmental conditions will determine the length of the spray interval. Sprayers should be properly calibrated before application.

**MIXING INSTRUCTIONS**

Fill the spray tank until it is approximately 1/2 full with clean water. Add **Acrobat MZ WDG** 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 MZ WDG**. Add other fungicides, insecticides, growth regulators, micronutrients, and spray adjuvants after **Acrobat MZ WDG** has been placed in suspension. Once mixing is complete, add water to desired volume. Follow more restrictive labeling of any tank mix partner. **DO NOT** tank mix with any product which contains a prohibition on tank mixing.

When preparing spray solutions for use in a hand sprayer, premix as a slurry in a small container and then add to sprayer containing 1/3 to 1/2 the desired final water volume and agitate. Once mixing is complete, add water to desired volume.

**COMPATIBILITY**

The tank mixing behavior of this fungicide with other pesticides has not been fully investigated. If tank mixing with other pesticides is desirable, 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 MZ WDG** has indicated incompatibility.

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### HAND SPRAYERS

Thoroughly spray plant foliage until runoff. For drench application, use enough of the specified **Acrobat® MZ WDG fungicide** solution to wet the root zone of plants.

### DISEASE MONITORING

**Acrobat MZ WDG** is a broad-spectrum protectant fungicide. If not applied on a routine protectant spray schedule, crops should be examined on a weekly basis. Fungicide application should be made, at the recommended label use rate and spray schedule, at the first sign of disease, or during environmental conditions favorable for disease development.

### RESTRICTIONS

Neither the manufacturer nor the seller has determined the effects of using **Acrobat MZ WDG** on ornamental species not specified on this label.

Prior to any large-scale application on such plants, the user should determine the effects of **Acrobat MZ WDG** by testing a small section of the type of plants to be treated.

**DO NOT** exceed 2.25 lbs of product/acre/application and no more than 11.25 total lbs of product/acre in any one season.

**DO NOT** make more than 20 applications/year.

### USE RATE DETERMINATION

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

Disease pressure and environmental conditions will determine the length of the application interval. Under severe or threatening disease conditions, the minimum interval should be used.

For proper application, determine the number of square feet to be treated and the gallonage to be applied per 1000 square feet. Prepare only the amount of spray solution required to treat the measured area. Careful calibration of spray equipment is recommended prior to use.

### USE DIRECTIONS

For use in commercial greenhouses and shadehouses only, apply the equivalent of 1-3/4 lbs **Acrobat MZ WDG** per 100 gallons of dilute spray.

Begin spraying when plants are well leafed out or at first sign of disease, in a full coverage spray at 7- to 10-day intervals throughout the production cycle or follow State Extension Service recommendations for disease control on the following ornamental plants.

CROP	DISEASES CONTROLLED	REMARKS (also refer to DIRECTIONS FOR USE)	RESTRICTIONS
African Violet	Botrytis blight		<b>DO NOT</b> use for food or feed purposes. Applies to all ornamental plants.
Anthurium	Anthracnose, spadix rot		
Arborvitae	Cercospora blight		
Ash, mountain	Entomosporium leaf spot, Guignardia leaf blotch		
Ash, white	Anthracnose, Cylindrosporium leaf spot		
Aster, perennial	Puccinia rusts		
Aucuba, japonica	Alternaria leaf spot, Anthracnose		
Azalea	Cyclindrocladium rot, Petal blight, Phytophthora twig, bud blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly drench the soil.	
Begonia	Botrytis blight		
Buffaloberry	Cylindrosporium leaf spot		
Camellias	Petal blight	Refer to Azalea	
Carnation	Rust, Septoria leaf spot		
Cedar, red (Juniper)	Cercospora blight, Phomopsis blight		
Chrysanthemum	Ascochyta blight, Botrytis petal spot, Rust	Apply twice weekly during blooming period	

CROP	DISEASES CONTROLLED	REMARKS (also refer to DIRECTIONS FOR USE)	RESTRICTIONS
Conifers	Lophodermium needle cast, Pine gall rust, Scirrhia brown spot	Begin application in spring or early summer before infection occurs. Repeat after heavy rains and at two-week intervals as long as needed.	
Cordyline	Cercospora leaf spot		
Crabapple (Ornamental)	Cedar-apple rust, Scab, Sphaeropsis leaf spot		<b>DO NOT</b> use fruit for food or feed purposes.
Cypress, Arizona (Cupressus sp.)	Cercospora blight, Monochaetia canker		
Dahlia	Botrytis blight		
Dieffenbachia	Leptosphaeria brown spot		
Dogwood, flowering	Anthracnose, Elsinoe leaf spot, Septoria leaf spot	Apply when buds begin to open, when bracts have fallen, 4 weeks later and again in late summer after flower buds for next season have formed.	
Dracaena	Fusarium leaf spot		
Elm	Black leaf spot		
Euonymus	Anthracnose		
Fatsia	Anthracnose		
Fern	Rhizoctonia blight		
Ficus	Cercospora leaf spot		
Fir, Douglas	Swiss needle cast		
Firethorn (Pyracantha)	Fusicladium scab		
Fuchsia	Botrytis blight, Rust		
Geranium	Rust		



CROP	DISEASES CONTROLLED	REMARKS (also refer to DIRECTIONS FOR USE)	RESTRICTIONS
Gladiolus	Botrytis blossom blight, Curvularia leaf spot	Make regular weekly applications starting before diseases appear and increase to 2 or 3 applications per week during periods of heavy disease and during rain weather. On flower spikes, reduce spray concentration to 1 lb per 100 gals.	
Hawthorn	Cedar-apple rust, Fabraea leaf spot, Frogeye leaf spot, Hawthorn rust, Scab		
Holly	Purple spot		
Hollyhock	Anthracnose, Cercospora leaf spot, Puccinia rust		
Honeysuckle	Herpobasidium blight		
Horsechestnut, Buckeye	Alternaria leaf spot, Guignardia leaf blotch		
Hydrangea	Botrytis blight, Cercospora leaf spot		
Iris	Didymellina leaf spot, Myrothecium ink spot		
Juniper	Phomopsis blight		
Laurel, mountain	Cercospora leaf spot, Petal blight	Refer to Azalea	
Ligustrum	Cercospora leaf spot		
Lily	Botrytis blight		

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CROP	DISEASES CONTROLLED	REMARKS (also refer to DIRECTIONS FOR USE)	RESTRICTIONS
Magnolia	Gloeosporium leaf spot		
Maple	Alternaria leaf spot, Phyllosticta leaf spot		<b>DO NOT USE ON SUGAR MAPLES INTENDED FOR THE PRODUCTION OF MAPLE SYRUP.</b>
Marigold	Botrytis blossom blight	<b>DO NOT</b> use on French dwarf double or Signet-type marigold seedlings.	
Narcissus	Botrytis blight (fire), Smoulder		
Oak	Actinopelte leaf spot, Taphrina leaf blister		
Orchid ( <i>Dendrobium</i> )	Botrytis blossom blight		
Pansy	Anthracnose		
Peony	Botrytis blossom blight, Phytophthora blight	Apply in early spring and early fall, drenching soil around plants as well as the foliage. Promptly destroy all infected plant parts.	
Peperomia	Cercospora leaf spot		
Philodendron	Dactylaria leaf spot, Phytophthora leaf spot		
Photinia	Entomosporium leaf spot		
Pleomele	Fusarium leaf spot		
Poinsettia	Sphaceloma scab		
Rhododendron	Cercospora leaf spot, Discosia leaf spot, Petal blight	Refer to Azalea	

CROP	DISEASES CONTROLLED	REMARKS (also refer to DIRECTIONS FOR USE)	RESTRICTIONS
Rose	Black spot, Cercospora leaf spot, Rust		
Schefflera	Alternaria blight		
Skunkbush, sumac	Cylindrosporium leaf spot		
Snapdragon	Rust		
Statice	Cercospora frog-eye		
Syngonium	Cephalosporium leaf spot		
Tulip	Botrytis blight (fire)		
Venus, flytrap	Anthracnose		
Viburnum	Downy mildew, Ramularia leaf spot		
Walnut	Anthracnose		<b>DO NOT</b> use treated walnuts for food or feed purposes.
Zinnia	Alternaria leaf blight		

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000241-00395.20071214c.NVA 2007-04-319-0207

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