

GROUP	<b>5</b>	FUNGICIDE
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**MELTATOX®**

**POWDERY MILDEW FUNGICIDE**

For the control of powdery mildew on mini-potted roses and garden type roses only

**COMMERCIAL (AGRICULTURAL)**

**GUARANTEE:** Dodemorph-acetate ..... 384 g/L

**REGISTRATION NO.** 11798

**PEST CONTROL PRODUCTS ACT**

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**



**DANGER**

**POISON**

**NET CONTENTS:** 1 L

**SEVERE EYE IRRITANT**

**READ THE ENTIRE LABEL AND BROCHURE BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

BASF Canada Inc.  
100 Milverton Drive  
5th Floor  
Mississauga, Ontario  
L5R 4H1  
1-877-371-2273

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## **DIRECTIONS FOR USE**

### **DO NOT APPLY BY AIR.**

DO NOT use on cut flower roses.

#### **Greenhouse-grown roses**

DO NOT use on cut flower roses. **MELTATOX Powdery Mildew Fungicide** can be used on rose varieties grown commercially under glass, excluding cut flower roses. Apply **MELTATOX Powdery Mildew Fungicide** at the rate of 2.5 mL per litre of water (2.5 L in 1000 L) at a maximum spray volume of 700 L/ha. Do not apply more than once per crop cycle. To prevent possible plant damage under hot and sunny conditions, the humidity in the greenhouse should be increased several hours prior to application.

#### **Field grown roses**

DO NOT use on cut flower roses. Use the same directions as listed under greenhouse roses. To prevent possible plant damage, do not spray **MELTATOX Powdery Mildew Fungicide** under hot, sunny and low humidity conditions.

#### **General Restrictions**

**DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

**DO NOT** contaminate irrigation/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**DO NOT** allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

#### **Buffer Zones**

**Field sprayer application:** **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Boom height must be 60 cm or less above the crop or ground.

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and inter-row hooded sprayer.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

## Buffer Zones Required for the Protection of Aquatic Life for Dodemorph-Acetate

Method of application	Crop	Buffer Zone (meters) Required for the Protection of Freshwater Habitat of Depths:	
		Less than 1 m	Greater than 1 m
Field sprayer*	Roses	3 m	0

\* For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

### COMPATIBILITY

**MELTATOX Powdery Mildew Fungicide** may be mixed with standard formulations of commercial fungicides, such as POLYRAM® and MANEB®, and insecticides, such as dimethoate and malathion, as well as with foliar nutrient solutions. Certain fungicidal mixtures may cause a visible deposit on the plants.

### MIXING

1. The recommended quantity of **MELTATOX Powdery Mildew Fungicide** should first be mixed with a small quantity of water, then added to the bulk of water in the spray tank.
2. Agitate before using.
3. If used in mixtures with other products each product should be added separately to the spray tank.

### ENVIRONMENTAL HAZARDS

**TOXIC** to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

**TOXIC** to birds and small wild mammals.

**TOXIC** to beneficial insects. It is recommended that this product not be used in areas where beneficial insects are used in IPM. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

#### Run Off

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

### **Volatilization**

To minimize the release of dodemorph-acetate into the environment due to volatilization, dodemorph-acetate should only be applied on cool mornings and evenings when air temperatures are 15°C or lower.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that **MELTATOX Powdery Mildew Fungicide** contains a Group 5 fungicide. Any fungal population may contain individuals naturally resistant to **MELTATOX Powdery Mildew Fungicide** and other Group 5 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of **MELTATOX Powdery Mildew Fungicide** or other Group 5 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact BASF at 1-877-371-2273.

### **PRECAUTIONS**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.

3. **MELTATOX Powdery Mildew Fungicide** can be irritating to the skin and nose and must be kept away from eyes. Thus, avoid inhalation of vapour, dust, or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. **MELTATOX Powdery Mildew Fungicide** can cause serious and permanent eye damage. Wear protective equipment and clothing, including goggles or face shield, approved respirator, gloves (rubber, PVC neoprene or nitrile), hat, long-sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Toxic to fish - do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Clean spray equipment thoroughly after use.
9. This product contains Xylene at 36.2% which requires further toxicological testing.
10. Do not enter or allow workers entry into treated areas for 12 hours following application to all crops.

## FIRST AID

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## TOXICOLOGICAL INFORMATION

Treat symptomatically. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## **STORAGE**

1. Store in original, tightly-closed container.
2. Do not ship or store near food, feed, seed or fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.
5. Keep away from moisture and temperatures above 50°C.
6. Protect from freezing.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for any further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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