REVUS™ Fungicide

FOR EMERGENCY USE ONLY

FUNGICIDE

COMMERCIAL

For sale and use in Ontario, Quebec and Nova Scotia to control downy mildew on greenhouse cucumbers until December 31, 2010 in a tank mix with Manzate† Pro-Stick™ Fungicide (PCP No. 28217).

GUARANTEE:
Mandipropamid ................................................................. 250 g/L
†
Contains 1,2-benzisothiazolin-3-one at 0.017% as a preservative.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO: 29074
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 250 mL to Bulk

Syngenta Crop Protection Canada, Inc.
140 Research Lane, Research Park
Guelph, Ontario
N1G 4Z3,
Telephone: 1-877-964-3682
GENERAL INFORMATION

REVUS Fungicide is a fungicide for control of downy mildew on greenhouse cucumbers.

FAILURE TO FOLLOW DIRECTION AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Syngenta Crop Protection Canada, Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the use(s) described below.

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**DIRECTIONS FOR NEW USE**

<table>
<thead>
<tr>
<th>Product Name / Reg. No.</th>
<th>REVUS Fungicide / Reg. No. 29074</th>
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<tbody>
<tr>
<td>Pest(s)</td>
<td>Downy mildew <em>(Pseudoperonospora cubensis)</em></td>
</tr>
<tr>
<td>Site (Crop)</td>
<td>Greenhouse cucumbers</td>
</tr>
<tr>
<td>Method of Application</td>
<td>Apply in a tank mix as a foliar application only.</td>
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<tr>
<td>Rate of Application</td>
<td>400-600 ml product/ha with Manzate Pro-Stick Fungicide at 2.25-3.24 kg/ha.</td>
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<tr>
<td>Number of Applications</td>
<td>Do not make more than three (3) applications per crop cycle.</td>
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<tr>
<td>Application Interval</td>
<td>Repeat application at 5-7 day intervals and follow resistance management guidelines.</td>
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<tr>
<td>Application Timing</td>
<td>Apply when plants begin to vine, or when disease threatens.</td>
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<tr>
<td>Pre-Harvest Interval</td>
<td>7 days</td>
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</table>

**OTHER**

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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

DO NOT apply by chemigation.

Refer to other sections of this label for additional application instructions and/or use precautions.

The use of a non-ionic adjuvant (0.125% v/v) is recommended.
FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre IMMEDIATELY. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor IMMEDIATELY for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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 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.

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.

TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically. There is no known medical condition likely to be aggravated by the exposure.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Applicators and other handlers must wear long-sleeve shirt and long pants when mixing, loading and applying and during clean-up and repair activities. Wear chemical resistant gloves during mixing, loading, clean-up and repair activities. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

ENVIRONMENTAL PRECAUTIONS

Runoff
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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada’s web site at www.croplife.ca.

**GENERAL USE DIRECTIONS**

**Rotational Crop Restrictions**
Do not plant any crop which is not registered for use with REVUS Fungicide for a period of 30 days after the last application.

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

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

**Mixing Procedures**

1. Add 1/2 of the required amount of water to the mix tank.
2. With the agitator running, add the desired amount of REVUS Fungicide to the tank.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the solution after REVUS Fungicide has completely dispersed into the mix water.
5. Maintain agitation until all of the mixture has been applied.

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. Keep product container tightly closed when not in use.

**APPLICATION PROCEDURES**

**GROUND APPLICATION:**
Spray nozzles should be selected which will provide accurate and uniform spray deposition. Use spray nozzles, which provide medium-sized droplets and reduce drift. To help ensure accuracy, calibrate sprayer before each use. Do not apply REVUS Fungicide through any type of ultra low volume (ULV) spray system. For information on spray equipment and calibration, consult sprayer manufacturers and/or the local agricultural representative specialists.

Apply REVUS Fungicide using sufficient water volume to provide thorough and uniform coverage. For ground applications, use a minimum of 100 L/ha unless otherwise indicated on this label. In situations where a dense canopy exists and/or pest pressure is high, use greater water volumes. Avoid making applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid spray overlap.
Precautions:
1) Select nozzles that can produce the desired droplet sizes at the normal rated pressure range.
2) The sprayer should travel at a uniform speed across the field.

**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.

**RESISTANCE MANAGEMENT**

**Integrated Pest (Disease) Management**: REVUS Fungicide should be integrated into an overall disease management strategy that includes varieties with disease tolerance, proper timing of irrigation and removal of plant debris in which inoculum overwinters.

**Resistance Management**: Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than one application of REVUS Fungicide or any other Group 40 fungicide before alternation with at least one application of a fungicide that is not a group 40.

**Resistance Management Recommendations**

For Resistance management, please note that REVUS Fungicide contains a Group 40 fungicide. Any fungal population may contain individuals naturally resistant to REVUS Fungicide and other Group 40 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 REVUS Fungicide or other Group 40 fungicides with different Groups that control the same pathogens.

Do not exceed the total number of applications of REVUS Fungicide per season per crop.

Do not apply sequential treatments of REVUS Fungicide, or other fungicides in the same Fungicide Group, in a season. Do not apply at rates lower than recommended on the label. 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 sign of 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, to which pathogen resistance has not developed.

Contact your local extension specialist or certified crop advisors for any additional pesticide
resistance-management and/or IPM recommendations for specific crops and disease problems in your area.

For further information and to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

STORAGE

Store in a cool, dry place. Do not store food, beverages or tobacco products in storage area.

DECONTAMINATION AND DISPOSAL

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.

CONTAINER DISPOSAL:

For recyclable containers:
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 further use.

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

For refillable containers:
For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (1-800-FASTMED)

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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