

99.02.15

RIDOMIL(R) MZ 72WP

FUNGICIDE

AGRICULTURAL

Net Weight: 4 kg

Wettable Powder for control of Late Blight and Late Blight Tuber Rot in Potatoes, Downy Mildew in Onions and Head Lettuce, Downy Mildew caused by Plasmopara viticola in grapes, suppression of Pythium Leak and Pink Rot in Potatoes

GUARANTEE:

metalaxyl	8%
mancozeb	64%

READ THE LABEL BEFORE USING

REGISTRATION NO.: 17300
PEST CONTROL PRODUCTS ACT

Novartis Crop Protection Canada Inc.
140 Research Lane
Research Park, University of Guelph
Guelph, Ontario
N1G 4Z3

BAG

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

FIRST AID:

In case of poisoning, call a physician or contact a poison control centre immediately. If swallowed, give the patient 1-2 glasses of water and cause vomiting by inserting finger down the throat.

Repeat with water until vomit fluid is clear. The patient should be lying down with the head below the level of the feet. Do not try to cause vomiting if the patient is unconscious or in a convulsive state. If in eyes, flush with copious amounts of clear water. Obtain medical attention or contact a poison control centre. If on skin, wash with soap and water. If irritation occurs contact a physician or poison control centre.

TOXICOLOGICAL INFORMATION:

No specific antidote known. Treat symptomatically for ingestion and/or skin and eye contact.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Avoid inhalation of dust or spray mist. Avoid contact with skin and eyes. Do not eat, drink or smoke while mixing or during application. Change clothing after use. Wash with soap and water after use. Avoid application when weather conditions favour drift from treated areas. Do not contaminate streams, lakes, ponds, irrigation water, water used for livestock or domestic purposes by cleaning of equipment or disposal of wastes. In order to minimize risk to the environment from the use of this product do not use on coarse textured gravelly soils, soils with less than 2% organic matter, or in areas where the water table may be high.

DECONTAMINATION AND DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-267-6351

INTRODUCTION:

RIDOMIL (R) MZ 72WP is a combination of a systemic and contact fungicide for use in a preventative disease control program for late blight on the foliage of potatoes, late blight tuber rot in potatoes, downy mildew in onions and head lettuce downy mildew in grapes and suppression of Pythium Leak and Pink Rot in potatoes.

USE LIMITATIONS:

Experience has shown that strains of Phytophthora resistant to metalaxyl may develop. Failure to control the disease will result in crop damage and/or yield losses in the field or in storage. Since the occurrence of resistance cannot be foreseen, Novartis Crop Protection Inc. accepts no responsibility for any loss of, or damage to crops in the field or in storage, resulting from the failure of RIDOMIL MZ 72WP to control the resistant Phytophthora strains.

If disease appears in the field, consult the Government Disease Specialist immediately.

APPLICATION INFORMATION:

- (1) Spray equipment should be thoroughly flushed with clean water and drained before and after application of RIDOMIL MZ 72WP.
- (2) Make a thin slurry by stirring the required amount of RIDOMIL MZ 72WP with water in a pail.
- (3) Fill the spray tank one-half full with clean water.
- (4) With the agitation system engaged, add the required amount of slurried RIDOMIL MZ 72WP.
- (5) If a wettable powder fungicide or insecticide is to be tank mixed with RIDOMIL MZ 72WP, make a slurry of the product with water and add to the tank with agitation system engaged. Liquid or flowable fungicides or insecticides can be poured directly into the tank.
- (6) Complete filling the spray tank with water while maintaining constant agitation.

NOTE:

Do not let tank contents stand for prolonged periods of time without agitation. If spraying is interrupted, thoroughly re-agitate before resuming application.

GROUND APPLICATION:

1. Use well-maintained and calibrated conventional spray equipment to obtain adequate and uniform coverage.
2. Spray screens should be no finer than 50 mesh.
3. Ensure that the by-pass line discharges at the bottom of the tank to minimize foaming.
4. Maintain pressure at no less than 275 kPa to ensure good foliage penetration and coverage.

AERIAL APPLICATION (potatoes only):

1. Apply RIDOMIL MZ 72WP in a minimum of 50 L of water/ha.
2. Adjust nozzles to provide a median droplet size of 200-400 microns.
3. To ensure proper coverage and distribution and to minimize drift, check to see that swath width and droplet size are adequate, and that wind velocities are low.
4. Consult local environmental authorities to determine how large a buffer zone is required between fields to be aerially sprayed.

DIRECTIONS FOR USE:

POTATOES:

Late Blight, Late Blight Tuber Rot, Pythium Leak and Pink Rot

RIDOMIL MZ 72WP should be applied as part of a preventive disease management program. Cultural practices to minimize the sources of disease should be used as well as early preventative applications of fungicides.

Apply 3 applications of RIDOMIL MZ 72WP at 2.5 kg/ha in sufficient water to ensure thorough coverage of foliage (for aerial application, apply 2.5 kg of RIDOMIL MZ 72WP in a minimum of 50 L of water per hectare). Start application early - the first application should be applied before the leaves of the plants touch in the potato row. Apply a second and third application of RIDOMIL MZ 72WP at 10-14 day intervals. Apply a contact fungicide, recommended for control of Late Blight, 5-7 days after each RIDOMIL MZ 72WP application. Following the final RIDOMIL MZ 72WP application apply a contact fungicide, recommended for Late Blight control, at the recommended rate and interval, to the end of the season. RIDOMIL MZ 72WP must be applied before the outbreak of disease.

When conditions are very favourable to Late Blight development, the shorter 10-day interval is recommended.

Up to three applications may be applied per season. Apply a contact fungicide, recommended for Late Blight control, within 5-7 days of the last RIDOMIL MZ 72WP application. When potato vines start to visually mature, discontinue use of RIDOMIL MZ 72WP and return to a contact fungicide program. Excessive tuber bruising or wounding during harvest will reduce suberization and increase the chances for development of storage disease problems. Consult local potato specialist for Late Blight forecasting and potato vine maturity advice in your area.

NOTE: If applications of RIDOMIL MZ 72WP are being made for control of foliar diseases, additional applications for tuber disease control are not needed.

Early Blight (potatoes only)

RIDOMIL MZ 72WP when applied in a program with a contact fungicide recommended for Late Blight control as outlined above, will control early blight.

GENERAL INFORMATION:

COMPATIBILITY: RIDOMIL MZ 72WP is compatible with most commonly used potato insecticides. However, compatibility should always be confirmed by pre-mixing small proportional quantities of chemicals in water in advance.

Do not tank mix RIDOMIL MZ 72WP with a top killer. Top killers prevent the systemic activity of RIDOMIL MZ 72WP.

GRAPES

Downey Mildew caused by *Plasmopara viticola*

Apply 2.5 kg of RIDOMIL MZ 72WP per hectare using ground application equipment in sufficient water to obtain thorough coverage of the foliage. Make only one application per year as a pre-bloom spray. For post-bloom control of Downy Mildew use RIDOMIL/COPPER 70WP according to its label directions.

NOTICE TO BUYER/USER:

The DIRECTIONS FOR USE for this product for control of Downey Mildew on head lettuce and onions were developed by persons other than Novartis Crop Protection Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Novartis Crop Protection Inc. itself makes no

representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on onions and head lettuce.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Novartis Crop Protection Inc. harmless, from any claims based on efficacy and/or phytotoxicity with the use on onions and head lettuce.

INTRODUCTION:

RIDOMIL MZ 72 WP is a combination of a systemic and contact fungicide for the control of Downy Mildew in onions and head lettuce when applied in a preventative programme of foliar sprays.

Head Lettuce - For Control Of Downy Mildew

RIDOMIL MZ 72WP must be applied before the outbreak of the disease. Apply RIDOMIL MZ 72 WP at the rate of 2.5 kg/ha in sufficient water to ensure thorough coverage of foliage. Apply every 14 days, beginning at thinning. Make a maximum of 3 applications per season. Do not apply within 14 days of harvest.

Onions - For Control Of Downy Mildew

RIDOMIL MZ 72 WP must be applied before the outbreak of the disease. Apply RIDOMIL MZ 72WP at the rate of 2.5 kg/ha in sufficient water to ensure thorough coverage of foliage. Apply every 7-14 days, beginning when conditions favour the outbreak of Downy Mildew. Make a maximum of 3 applications per season. Do not apply within 7 days of harvest.

When changing from RIDOMIL MZ 72WP to a contact fungicide, apply the contact fungicide within 10 days of the last RIDOMIL MZ 72 WP application.

(R) RIDOMIL is a registered trademark of Novartis Crop Protection Canada Inc.

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