

PLEASE READ THE LABEL COMPLETELY BEFORE USE

WARNING

KEEP OUT OF REACH OF CHILDREN

RIDOMIL GOLD MZ WG[®]

SYSTEMIC FUNGICIDE

Active Ingredients: RIDOMIL GOLD MZ WG contains 40 g/kg METALAXYL-M plus 640 g/kg MANCOZEB in the form of a water dispersible granule.

**For the control of Early and Late Blight in Potatoes and Tomatoes, Dryberry in Canefruit, Downy Mildew in Grapes, Onions, Cucurbits and Brassica seedbeds
Phytophthora Spear Rot in Asparagus, Phytophthora Crown Rot in Asparagus transplants, and Phytophthora Root Rots in Tree nurseries.**

Pack size: 5 kg

Registered pursuant to the ACVM Act 1997, No.P5658.

See www.nzfsa.govt.nz/acvm for registration conditions

Approved pursuant to the HSNO Act 1996, Approval Code HSR000470.

Syngenta Crop Protection Limited

Tower 2, Level 7, 110 Symonds Street, Auckland

UN-3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains: mancozeb 64%)
MARINE POLLUTANT, PACKING GROUP III, HAZCHEM 2Y, CONTAIN SPILLAGE

In a transport emergency dial 111, Police or Fire Brigade. For specialist advice in an emergency only, call 0800 734 607 (24 hours).

This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of this registration.

This product MUST be under the control of an Approved Handler during use.

HSNO Classification 6.5B, 6.9B, 9.1A

WARNING

May cause sensitisation from prolonged skin contact.

May cause liver damage from repeated oral exposure at high doses.

Very toxic to aquatic organisms.

PRECAUTIONS

Store in original container, tightly closed, away from foodstuffs.

When mixing or applying wear protective clothing, including overalls, water proof gloves and footwear.

Avoid contact with skin and eyes, and inhalation of spray mist.

DO NOT eat, drink or smoke while using.

Wash hands and face before eating, drinking or smoking and after work.

Wash protective clothing daily after use.

Apply with well maintained and calibrated spray equipment.

DO NOT re-enter site until spray has dried.

Records of use must be kept.

Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409.

DO NOT carry on a passenger service vehicle.

Avoid contamination of any water supply with chemical or empty container.

Container disposal: Ensure the container is empty. Rinse the container and add the residue to the spray tank. If allowed under local Territorial Authority District Plans, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. DO NOT reuse this container for any other purpose.

Product disposal:

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID

If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin. If splashed in the eyes, wash out immediately with water. If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

SPILLAGE

Wear suitable protective clothing including face shield, impervious gloves and boots. Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of safely.

DISCLAIMER

Warning: RIDOMIL GOLD MZ WG contains a metalaxyl isomer. Experience has shown that some strains of fungus resistant to metalaxyl isomers have developed resulting in a reduction in the efficacy of the product and thus in yield losses. Since the occurrence of resistance cannot be foreseen, Syngenta accepts no responsibility for any loss of, or damage to, crops resulting from the failure of RIDOMIL GOLD MZ WG to control resistant strains. Where products have previously been found to be ineffective in controlling diseases, or if the user suspects that a tolerant or resistant strain is present, then RIDOMIL GOLD MZ WG should NOT be used. Advice as to alternative treatments should be sought in such cases.

GENERAL INFORMATION

RIDOMIL GOLD MZ WG is a systemic and protectant fungicide. Metalaxyl-M is systemic and is rapidly taken up by green tissue within 30 minutes and distributed within the leaves and stems providing disease control by inhibiting fungal growth within the plant. Mancozeb is a protectant, which provides a residual protective film over the plant surface, inhibiting spore germination.

RESISTANCE MANAGEMENT

Resistance to this fungicide and related products could develop from excessive use. To minimise this risk use strictly in accordance with label instructions.

MIXING

RIDOMIL GOLD MZ WG mixes readily with water. Pre mix the product with sufficient water into a smooth cream, pour into the partly filled spray tank and add the remainder of the water with agitation ensuring complete mixing before spraying. Continue agitation during spraying and after a stoppage before recommencing spraying.

COMPATIBILITY

RIDOMIL GOLD MZ WG is compatible with most of the commonly used insecticides and fungicides except lime sulphur.

STORAGE

Store in a dry, shaded area, avoiding temperatures below -10°C and above 35°C. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this. See Safety Data Sheet for additional storage information. Stores containing quantities of 100 kg or more require signage and secondary containment.

SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy visit our website at www.syngenta.co.nz

WARRANTY

This formulation is warranted to contain the specified active ingredients within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

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Distributed by and registered to Syngenta Crop Protection Limited, Tower 2, Level 7, 110 Symonds Street, Auckland.

DIRECTIONS FOR USE

Important: DO NOT use as an eradicant treatment (ie once disease symptoms are visible).

Volume of Application: For broadcast spraying, use sufficient water to obtain coverage without run off, to achieve the maximum systemic and protectant effect from the product. For high volume spraying, the rate suggested is applied to run off. For concentrate spraying, adjust dilution rate accordingly. The addition of a surfactant is recommended with all foliar applications of RIDOMIL GOLD MZ WG.

Crop	Disease	Rate	Critical Comments
Asparagus	Phytophthora Spear Rot	12.5 to 15 kg in 200 litres water/treated hectare	Use the higher rate if disease was evident during the previous season. Apply to weed free soil in early spring 3 to 4 weeks prior to spear emergence, either as a 50 cm wide band over the row or as a broadcast application. About 10 mm rainfall is desirable to move the fungicide into the soil.
Asparagus transplants	Phytophthora Crown Rot	500 g /130 litres of water	Immerse crowns for 5 minutes prior to transplanting.
Blackberries, Boysenberries and other Brambles	Dryberry and Canespot	250 g /100 litres water	Mature Vines: Apply at 14 day intervals from bud burst to pre-flowering, reducing to 10 day intervals from tight cluster to early fruit formation when dryberry infection can be most serious. Primocanes: Apply immediately after final harvest and repeat at 14 day intervals while warm, wet conditions favour the disease. Under dry conditions use alternative protectant fungicides according to label recommendations followed by one application of RIDOMIL GOLD MZ WG before leaf fall.
Brassica seedbeds	Downy Mildew	20 g /100 sq metres of seedbed (2 kg/ha)	Use sufficient water to obtain complete coverage. Make the first application as soon as many of the seedlings have emerged, and repeat at 10 day intervals during transplanting.
Cucurbits	Downy Mildew	2.5 kg in 500 to 700 litres water/ha	Make a maximum of 3 applications at 10 to 14 day intervals during the period of active growth when conditions of low night temperatures with dew formation favour the disease.
Grapes	Downy Mildew	250 g /100 litres of water applying a minimum of 1000 litres/ha	Make a maximum of 3 applications at 14 day intervals, when warm and wet conditions favour the disease at the pre-flowering, post-flowering, and early fruit set stages of growth. Subsequent applications of alternative protectant fungicides can be made as and when necessary until harvest. An application of RIDOMIL GOLD MZ WG can be made after harvest, but before leaf fall to minimise carryover of disease into the following season.
Onions	Downy Mildew	2 kg in 500 to 700 litres water/ha	Make a maximum of 3 applications at 10 day intervals during the period of active growth when conditions of high humidity favour the disease.
Potatoes, Tomatoes	Early Blight, Late Blight	2.5 kg in 500 to 750 litres water/ha, or use 250 g/100 litres of water as a foliar spray to run off	Make a maximum of 3 applications at 10 to 14 day intervals during the period of active growth. Make the first application when the crop has fully emerged and before disease has occurred. Use the shorter spray interval when weather conditions favour the disease especially during active crop growth in the period prior to flowering. Apply when foliage is dry and no rain or irrigation is expected for at least 2 hours. DO NOT apply in the period following the completion of flowering as the translocation of RIDOMIL GOLD MZ WG is considerably reduced if applied when haulms are drying off. IMPORTANT: Bacterial Speck and Bacterial Spot: As RIDOMIL GOLD MZ WG does NOT control bacterial diseases in tomatoes, it may be necessary to use a protectant such as cupric hydroxide or copper oxychloride. Botrytis: RIDOMIL GOLD MZ WG does NOT control Grey Mould (<i>Botrytis cinerea</i>).

Crop	Disease	Rate	Critical Comments
Tree Nurseries (Radiata Pine, Kauri, Cypressess)	Phytophthora Root Rots	12.5 to 50 kg in 200 to 300 litres water/treated hectare, preferably to damp ground	Use the higher rates for soils with high organic content, and on beds with a previous history of root rot problems. Apply to seedbeds before seedling emergence. About 10 mm rainfall or irrigation is desirable to move the fungicide into the soil.

WITHHOLDING PERIODS	
Asparagus	21 days
Canefruit.....	14 days
Cucurbits	4 days
Grapes.....	14 days
Potatoes, Tomatoes (field), Onions.....	14 days
Tomatoes (glasshouse).....	3 days