

Metal-Man MZ 720

FUNGICIDE

DIRECTIONS FOR USE

RESTRAINTS: DO NOT apply if rain is expected within 6 hours.
DO NOT apply as a post-infection curative spray on crops as this will favour the development of resistant disease strains.
Application should be on a protectant programme basis only.
DO NOT use for disease control in greenhouse crops.
DO NOT apply more than 4 sprays per season (except for Tobacco).

1. VINE CROPS

| CROP | DISEASE CONTROLLED | STATE | RATE | WHP | CRITICAL COMMENTS |
|------------|--|--|--|---------|--|
| Grapevines | Downy Mildew (<i>Plasmopara viticola</i>) | Qld, NSW, Vic, Tas, SA, WA only | Dilute Spraying 250 g/100 L water Concentrate Spraying Refer to the Application section | 14 days | Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. This use is subject to an CropLife anti-resistance strategy. Use in a protectant programme commencing before disease occurs. Limit the use of Group 4 fungicides to periods when conditions favour disease development. Commence disease control sprays when the grapevine shoots are approximately 20 cm (200 mm) long and continue spraying at 7 to 21 day intervals, using a protectant or non-phenylamide fungicide (not Group 4). Use the shorter interval under prolonged humid and wet conditions. When conditions favour Downy Mildew development (prolonged humid and wet conditions) apply two consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide. Apply before the first sign of oil spots or as soon as possible after the infection period. DO NOT apply more than two consecutive sprays of a Group 4 product. Resume the program protectant sprays. Apply a maximum of four FARMALINX Metal-Man MZ 720 Fungicide sprays per season. DO NOT apply to grapevines in flower in Queensland. Minor phytotoxic reactions on some varieties of grapes may occur under certain conditions. Dilute Spraying: Apply to the point of run-off. Use a minimum of 500 litres mixture per hectare before flowering, increasing volume to a minimum of 1000 litres per hectare when vines are in full foliage. Concentrate Spraying: Use a minimum of 125 litres mixture per hectare before flowering, increasing volume to a minimum of 250 litres per hectare when vines are in full foliage. |

2. OTHER CROPS

| CROP | DISEASE CONTROLLED | STATE | APPLICATION RATE | | | WHP | CRITICAL COMMENTS |
|-----------|--|--|---|--|---|---------|--|
| | | | BOOM/SPRAYING/ LOW VOLUME APPLICATION | AIRCRAFT SPRAYING | HIGH VOLUME APPLICATION | | |
| Cucurbits | Downy Mildew Anthracnose, Gummy Stem Blight, Alternaria Leaf Spot, also Septoria Spot (Pumpkins) | All States Qld only | 2.5 kg in 200 to 500 litres of water per hectare | 2.5 kg in 20 to 40 litres of water per hectare | 250 g per 100 litres of water | 7 days | This use is subject to a phenylamide anti-resistance strategy. Maintain a regular spray program. Commence spraying early (ie. before main disease infection period) with a registered fungicide from a different activity group, eg. mancozeb. When conditions favour disease development apply 2 consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide at 7 to 10 day intervals and then resume the program of protectant or non-Group 4 fungicides. DO NOT wait for disease to appear. Use the shorter interval when infection pressure is severe. Ensure thorough coverage of plants. Note: Add a non-ionic surfactant (1000 g/L) to the spray mix. |
| Lettuce | Downy Mildew, Septoria Leaf Spot, Anthracnose | All States Qld, Vic, SA, WA, Tas only | 2.5 kg in 200 to 500 litres of water per hectare | 2.5 kg in 20 to 40 litres of water per hectare | 250 g per 100 litres of water; 35 g per 15 litres of water | 14 days | This use is subject to a phenylamide anti-resistance strategy. Maintain a regular spray program. Commence spraying early (ie. before main disease infection period) with a registered fungicide from a different activity group, eg. mancozeb. When conditions favour disease development apply 2 consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide at 7 to 10 day intervals and then resume the program of protectant or non-Group 4 fungicides. DO NOT wait for disease to appear. Use the shorter interval when infection pressure is severe. Ensure thorough coverage of plants. Note: Add a non-ionic surfactant (1000 g/L) to the spray mix. |
| Onions | Downy Mildew Purple Blotch | All States Qld only | 2.5 kg in 200 to 500 litres of water per hectare 2.5 kg in 500 litres of water per hectare | 2.5 kg in 20 to 40 litres of water per hectare | 250 g per 100 litres of water | 7 days | Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. This use is subject to an CropLife anti-resistance strategy. Use in a protectant programme commencing before disease occurs. Limit the use of Group 4 fungicides to periods when conditions favour disease development. Commence disease control sprays when the grapevine shoots are approximately 20 cm (200 mm) long and continue spraying at 7 to 21 day intervals, using a protectant or non-phenylamide fungicide (not Group 4). Use the shorter interval under prolonged humid and wet conditions. When conditions favour Downy Mildew development (prolonged humid and wet conditions) apply two consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide. Apply before the first sign of oil spots or as soon as possible after the infection period. DO NOT apply more than two consecutive sprays of a Group 4 product. Resume the program protectant sprays. Apply a maximum of four FARMALINX Metal-Man MZ 720 Fungicide sprays per season. DO NOT apply to grapevines in flower in Queensland. Minor phytotoxic reactions on some varieties of grapes may occur under certain conditions. Dilute Spraying: Apply to the point of run-off. Use a minimum of 500 litres mixture per hectare before flowering, increasing volume to a minimum of 1000 litres per hectare when vines are in full foliage. Concentrate Spraying: Use a minimum of 125 litres mixture per hectare before flowering, increasing volume to a minimum of 250 litres per hectare when vines are in full foliage. |

2. OTHER CROPS – continued

| CROP | DISEASE CONTROLLED | STATE | APPLICATION RATE | | | WHP | CRITICAL COMMENTS |
|--------------------------------|---|---|--|--|--|---------|---|
| | | | BOOM/SPRAYING/ LOW VOLUME APPLICATION | AIRCRAFT SPRAYING | HIGH VOLUME APPLICATION | | |
| Ornamentals | Downy Mildew | All States | 2.5 kg in 200 to 500 litres of water per hectare | | 150 g to 250 g per 100 litres of water | – | This use is subject to a phenylamide anti-resistance strategy. Maintain a regular spray program. Commence spraying early (ie. before main disease infection period) with a registered fungicide from a different activity group, eg. mancozeb. When conditions favour disease development apply 2 consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide at 7 to 10 day intervals and then resume the program of protectant or non-Group 4 fungicides. DO NOT wait for disease to appear. Use the shorter interval when infection pressure is severe. Ensure thorough coverage of plants. Note: Add a non-ionic surfactant (1000 g/L) to the spray mix. |
| Potatoes | Late Blight, Early Blight Pink Rot | All States Vic, Tas, SA, WA only | 2.5 kg in 200 to 500 litres of water per hectare | 2.5 kg in 30 to 50 litres of water per hectare | 250 g per 100 litres of water | 7 days | Make the first application 4-6 weeks after planting to crops previously treated at planting with FARMALINX Metal-Man MZ 720 Fungicide. Repeat applications at 14-day intervals then apply a program of protectant or non-Group 4 fungicide. |
| Poppies | Downy Mildew (<i>Peronospora arborescens</i>) | Tas only | 2.5 kg/ha | | | 7 weeks | Commence spraying early (ie. before main disease infection period) with a registered non-Group 4 fungicide, eg. mancozeb. When conditions favour disease development apply 2 applications of FARMALINX Metal-Man MZ 720 Fungicide at 7 to 10 day intervals and then resume the program of protectant or non-Group 4 fungicides. Use the shorter interval when infection pressure is severe. DO NOT wait for disease to appear. Ensure thorough coverage of plants. Note: Add a non-ionic surfactant (1000 g/L) to the spray mix. |
| Rhubarb | Downy Mildew (<i>Peronospora arborescens</i>) | All States | 2.5 kg in 200 to 500 litres of water per hectare | | | 14 days | Maintain a regular spray program. Commence spraying early (ie. before main disease infection period) with a registered non-Group 4 fungicide, eg. mancozeb. When conditions favour disease development apply 2 consecutive sprays of FARMALINX Metal-Man MZ 720 Fungicide at 7 to 10 day intervals and then resume the program of protectant or non-Group 4 fungicides. Use the shorter interval when infection pressure is severe. DO NOT wait for disease to appear. Ensure thorough coverage of plants. Note: Add a non-ionic surfactant (1000 g/L) to the spray mix. |
| Strawberries (non-fruitlet) | Eye Spot (<i>Mycosphaerella fragariae</i>), Leaf Blight <i>Dendroploma obscurans</i>), Root Rot (<i>Phytophthora nicotianae</i> var. <i>parasitica</i>), Scorch (<i>Diplacarpion eerlianus</i>) | All States | | | 100 g + 50 g Benlate* in 100 litres of water | 7 days | Apply as a combined dip for runners after digging. For control of diseases only in Strawberry Runner Approval Schemes. |
| Tobacco – Field | Blue Mould, Brown Spot Frog Eye Leaf Spot | Qld, NSW, Vic only Qld only | | | 250 g per 100 litres of water | 7 days | Spray at 7-day intervals commencing 10 days after transplanting. Spray to thoroughly wet leaves. Apply initially – 200 litres per hectare Plants 1 m high – 500 litres per hectare Fully grown – 800 litres per hectare |
| Tobacco – Seedbed | Blue Mould | Qld, NSW, Vic only | | | 18 g per 15 litres of water per 60 to 80 square metres | – | Spray at 7-day intervals commencing 5 weeks after emergence. Make final application the day before planting out. Spray to thoroughly wet leaves. DO NOT drench. DO NOT apply to seedbeds until 5 weeks after emergence. |

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER CONTRARY TO THIS LABEL, UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for FARMALINX Metal-Man MZ 720 Fungicide is available from FARMALINX Pty Ltd on request. Call Customer Service on 02 9389 2455.

MATERIAL SAFETY DATA SHEET

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. Avoid giving alcohol.

FIRST AID

Will irritate the eyes, nose, throat and skin. Avoid contact with the eyes and skin. DO NOT inhale dust or spray mist. When preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrists, a washable hat, elbow-length PVC gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

SAFETY DIRECTIONS

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. DO NOT dispose of un-diluted chemicals on site. Crush and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

PROTECTIONS OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

FARMALINX Metal-Man MZ 720 Fungicide is compatible with Monocroton 400, Supracide 400, methomyl, non-ionic surfactant (1000 g/L) and some formulations of carbaryl, endosulfan, sulphur and copper oxychloride.

COMPATIBILITY

Flags: DO NOT use human flaggers unless they are protected by engineering controls such as vehicles with cabs.

Re-entry Period: DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrists and chemical resistant gloves. Clothing must be laundered after each day's use.

PRECAUTION

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions, or under off-label permits not endorsed by FARMALINX Pty Ltd or under abnormal conditions. FARMALINX Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.
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APVMA Approval No.: 66599/53967

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

FARMALINX

Metal-Man MZ 720

FUNGICIDE

ACTIVE CONSTITUENTS: 640 g/kg MANCOZEB
80 g/kg METALAXYL

GROUP 4 M3 FUNGICIDE

Controls Downy Mildew and certain other foliar diseases as specified in the Directions for Use table.

IMPORTANT: THIS LEAFLET IS PART OF THE LABEL ATTACHED TO THE CONTAINER. READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT

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farmalinx

WITHHOLDING PERIODS:
CUCURBITS, ONIONS, POTATOES, STRAWBERRIES, TOBACCO:
GRAPES, LETTUCE, RHUBARB:
POPPIES:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.
DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
DO NOT HARVEST FOR 7 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

FARMALINX Metal-Man MZ 720 Fungicide is a fungicide combining both systemic and curative properties of metalaxyl with the protective properties of mancozeb.

FARMALINX Metal-Man MZ 720 Fungicide should be applied as a protective fungicide before Downy Mildew disease occurs. However if infection has already occurred FARMALINX Metal-Man MZ 720 Fungicide should be applied as soon as possible after the infection period and preferably before oil-spots appear, to obtain optimum control of downy mildew.

FUNGICIDE RESISTANCE WARNING

FARMALINX Metal-Man MZ 720 Fungicide is a combination of a Phenylamide and a Multi-site Activity Fungicide. For fungicide resistance management FARMALINX Metal-Man MZ 720 Fungicide is both a Group 4 and a Group M3 fungicide.

Some naturally occurring individual fungi resistant to FARMALINX Metal-Man MZ 720 Fungicide and other Group 4 and a Group M3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by FARMALINX Metal-Man MZ 720 Fungicide and other Group 4 and a Group M3 fungicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, FARMALINX Pty Ltd accepts no liability for any losses that may result from the failure of FARMALINX Metal-Man MZ 720 Fungicide to control resistant fungi.

GROUP 4 M3 FUNGICIDE