

# CAUTION

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



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

GROUP	<b>M3</b>	<b>4</b>	FUNGICIDE
-------	-----------	----------	-----------

For control of Downy Mildew and certain other foliar diseases as per the directions for use.

**IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT**

**DIRECTIONS FOR USE****RESTRAINTS:**

DO NOT apply more than four sprays per season. Use a recommended non-systemic fungicide for further applications.

DO NOT apply if rain is expected within 6 hours.

DO NOT apply as a curative spray as this will favour the development of resistant disease strains.

Application should be on a protectant program basis only.

DO NOT use Metman 720 WG for disease control in greenhouse crops.

**VINE CROPS**

CROP	DISEASES CONTROLLED	STATE	RATE	WHP
Grapevines	Downy Mildew ( <i>Plasmopara viticola</i> )	Qld, NSW, Vic, Tas, SA, WA only	<b>Dilute spraying</b> 250 g/100 L water  <b>Concentrate spraying</b> Refer to the Application section	14 days

**OTHER CROPS**

CROP	DISEASE	STATE	RATE			WHP
			Boom/ Spraying/ Low Volume Application	Aircraft Spraying	High Volume Application	
Cucurbits	Downy Mildew	All States	2.5 kg in 200 to 500 litres of water per ha.	2.5 kg in 20 to 40 litres of water per ha.	250 g per 100 litres of water	7 days
	Anthracnose, Gummy Stem Blight, Alternaria Leaf Spot; also Septoria spot (Pumpkins)	Qld only				

#### CRITICAL COMMENTS

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 a CropLife anti-resistance strategy. Use in a protectant program 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 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 Metman 720 W G. 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 of protectant sprays. Apply a maximum of four Metman 750 WG 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 runoff. 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.

#### CRITICAL COMMENTS

**This use is subject to a phenylamide anti-resistance strategy.**

Make the first application when

conditions favour disease development and before infection has occurred. Repeat application at

7 to 10 day intervals. Ensure thorough coverage of plants. Use the shorter interval when disease infection is severe.

Add a suitable surfactant. Spraying can commence when plants have 3 to 4 true leaves.

## OTHER CROPS CONTINUED

CROP	DISEASE	STATE	RATE			WHP
			Boom/ Spraying/ Low Volume Application	Aircraft Spraying	High Volume Application	
Lettuce	Downy Mildew, Septoria Leaf Spot, Anthracnose	All States	2.5 kg in 200 to 500 litres of water per ha		250 g per 100 litres of water; 35 g per 15 litres of water	14 days
		Qld, Vic, SA, WA, Tas only		2.5 kg in 20 to 40 litres of water per ha.		
Onions	Downy Mildew	All States	2.5 kg in 200 to 500 litres of water per ha.	2.5 kg in 20 to 40 litres of water per hectare	250 g per 100 litres of water	7 days
	Purple Blotch	Qld only	2.5 kg in 500 litres of water per ha.			
Potatoes	Late Blight, Early Blight	All States	2.5 kg in 200 to 500 litres of water per ha	2.5 kg in 30 to 50 litres of water per ha.	250 g per 100 litres of water	7 days
	Pink Rot	Vic, Tas, SA, WA only				

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

**WITHHOLDING PERIODS:**

**CUCURBITS, ONIONS, POTATOES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**GRAPES, LETTUCE: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

## CRITICAL COMMENTS

**This use is subject to a phenylamide anti-resistance strategy.**

Make the first application when conditions favour disease development and before infection has occurred. Repeat application at 7 to 10 day intervals. Ensure thorough coverage of plants. Use the shorter interval when disease infection is severe. Add a suitable surfactant. Spraying can commence at the 3 to 4 true leaf stage.

Make the first application when conditions favour disease development and before infection has occurred. Repeat applications at 7 to 10 day intervals. Ensure thorough coverage of plants. Use shorter intervals when disease infection is severe. Add a suitable surfactant.

Make the first application when conditions favour disease development and before infection has occurred. Repeat applications at 7 to 14 day intervals. Apply a maximum of four protective sprays. Use shorter intervals when disease infection is severe and conditions are very favourable to disease. NOTE: Add a suitable surfactant to sprays. Ensure thorough coverage of plants.

Make the first application 4-6 weeks after planting to crops previously treated at planting with Metalaxyl 50 g/kg. Repeat applications at 14-day intervals.

## GENERAL INSTRUCTIONS

Metman 720 WG is a fungicide combining the systemic properties of metalaxyl with the protective properties of mancozeb. Metman 720 WG should be applied as a protective fungicide before disease occurs.

### MIXING

Fill the spray tank with  $\frac{1}{4}$  of the required volume of water and start agitating. Add the required amount of product and allow to disperse. Add the remainder of the water while continuing to agitate. Ensure that the product is thoroughly mixed before spraying starts. Continue agitation during spraying. Agitate vigorously from the bottom of the spray tank if mixture is left to stand.

### TANK MIXING

When mixing Metman 720 WG and other water dispersible granule (WG) or wettable powder (WP) formulations, ensure that they are added and mixed well prior to adding emulsifiable concentrate (EC) or suspension concentrate (SC) products. Wettable powder (WP) formulations should be pre-mixed separately and then added to the spray tank.

### Application (Vine crops only) DILUTE SPRAYING

Use a sprayer designed to apply high volumes of water up to the point of runoff and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

### CONCENTRATE SPRAYING

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- The mixing rate for concentrate spraying can then be calculated in the following way:

#### EXAMPLE ONLY

- Dilute spray volume as determined above: For example 1500 L/ha
- Your chosen concentrate spray volume: For example 500 L/ha
- The concentration factor in this example is:  $3 \times$  (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
- If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes  $3 \times 10$ , that is 30 mL/100 L of concentrate spray.
- The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

### Fungicide Resistance Warning

**GROUP M3 4 FUNGICIDE**

Metman 720 WG is a member of the Phenylamide group of fungicides. For fungicide resistance management Metman 720 WG is both a Group M3 and Group 4 fungicide.

Some naturally occurring individual fungi resistant to Metman 720 WG and other Group M3 and Group 4 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 Metman 720 WG

and other Group M3 and/or Group 4 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, Grochem Australia Pty Ltd accepts no liability for any losses that may result from the failure of Metman 720 WG to control resistant fungi.

#### **PRECAUTION**

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 wrist and chemical resistant gloves. Clothing must be laundered after each day's use.

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

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

#### **STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Single-rinse or shake remainder into spray tank. Do not dispose of undiluted chemicals on site. Puncture and deliver empty packaging 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.

#### **SAFETY DIRECTIONS**

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 wrist, 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.

#### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. Avoid giving alcohol.

#### **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet (SDS) which is available from Grochem Australia Pty Ltd on request or the Grochem website ([www.grochem.com](http://www.grochem.com)).

#### **LIMIT OF LIABILITY**

1. Grochem Australia Pty Ltd accepts responsibility for the consistent quality of the product.
2. Grochem Australia Pty Ltd accepts no responsibility whatsoever for any damage, injury or loss following purchase and use of this product. The extent of liability of Grochem Australia Pty Ltd is limited to the replacement of goods or a refund on the price paid. This being conditional upon a claim being made in writing and within 30 days of delivery/receipt of product.
4. This product must also be used in strict accordance with the directions as detailed on this label. The buyer accepts and uses this material with an understanding of the above conditions.

APVMA Approval No: 86145/114795

Batch No: 105

Date of manufacture: 08.2019

Expiry date: 2 years after manufacture

**Additional statements as required by Safe Work Australia in accordance with the Globally Harmonized System of Classification and Labelling (GHS)**

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

Very toxic to aquatic life.

If on skin: Wash with plenty of soap and water.

If exposed or concerned:

Get medical advice/ attention.

Specific treatment is advised - see first aid instructions.

Wash contaminated clothing before reuse.

Collect spillage.

In a Transport Emergency  
Dial 000  
Police or Fire Brigade

Specialist Advice In Emergency Only  
1800 033 111  
All Hours - Australia Wide



Suite 1, Lvl 3, 262, Lorimer Street,  
Port Melbourne, VIC 3207  
1800 777 068  
grochem.com

GCAU06/2019