

Main panel label 5 kg pack

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

**ZEE-MIL<sup>®</sup> PLUS**  
**SYSTEMIC FUNGICIDE**

**ACTIVE CONSTITUENTS: 350 g/kg COPPER (Cu)**  
**present as COPPER OXYCHLORIDE**  
**150 g/kg METALAXYL**

GROUP	<b>D</b>	<b>Y</b>	FUNGICIDE
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**FOR CONTROL OF DOWNY MILDEW ON GRAPEVINES, AND  
PHYTOPHTHORA TRUNK CANKER AND ROOT ROT OF MACADAMIAS**

**NET CONTENTS 5 kg**

® Trademark of UPL Australia Limited

**UPL AUSTRALIA LIMITED**

ABN 76 066 391 384

**Suite 416, Level 4, 14 Lexington Drive, Bella Vista,  
NSW 2153 AUSTRALIA**

TELEPHONE 02 8824 7277

FACSIMILE 02 8814 6469

BATCH No.

DOM:

**APVMA Approval No. 50429/5kg/0707**

*Ancillary panel 5 kg pack*

**DIRECTIONS FOR USE**

CROP	DISEASE	STATE	RATE		WHP	CRITICAL COMMENTS
			High Volume Application	Low Volume or Aircraft Application		
Grapevines	Downy Mildew ( <i>Plasmopara viticola</i> )	NSW (Riverina-MIA only), Vic, Tas, SA, WA only	150 g per 100 L water	<b>Before flowering</b> 1 to 1.5 kg per ha depending on severity of disease. <b>After flowering</b> 1.5 kg per ha.	7 days	Apply by dilute or concentrate spraying equipment. <b>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.</b> Use in a protectant program commencing before disease occurs. Limit the use of Group D fungicides to periods when conditions favour disease development. <b>Protective Treatment</b> Commence spraying when the grapevine shoots are approximately 200 mm long and continue spraying at 7 to 21 day intervals, using the shorter interval under prolonged humid and wet conditions. (See tank mix recommendations below). <b>Post Infection (curative) Treatment</b> After flowering and when conditions favour Downy Mildew development (prolonged humid and wet conditions) apply before the first sign of oil spots or as soon as possible after the infection period. (See tank mix recommendations below). Apply further sprays as required at 7 to 21 day intervals. DO NOT apply more than 2 consecutive sprays of a Group D product. Resume the program of protectant sprays. Apply a maximum of 4 ZEE-MIL PLUS sprays per season. DO NOT spray grapevines in Queensland when grapes are flowering. Minor phytotoxic reactions in some varieties of grapes may occur under certain conditions. <b>High Volume Spraying</b> Use a minimum of 500 L mixture per ha before flowering, increasing volume to a minimum of 1000 L per ha when vines are in full foliage.
		Qld, NSW (except Riverina-MIA only)		1.5 kg per ha		
		Vic, SA, Tas, NSW only	150 g plus 200 g of copper oxychloride per 100 L water	1.5 kg plus 2 kg of copper oxychloride per ha.		
Macadamia nuts (Queensland Nut) . Field treatment of plantations	Trunk Canker and Root Rot ( <i>Phytophthora</i> sp.)	NSW, QLD only	<b>Trunk spray and soil drench</b> 25 g per litre. Apply 1 to 5 litres of drench per tree depending on tree size.		4 weeks	Before treatment clear all weed growth from under the tree. Use the highest volume for large trees. Apply to the affected trunk and limbs, and as a soil drench to approximately 1 square metre around the base of the tree. Apply at the beginning of the summer wet season and again 8 to 12 weeks later. It is essential that good management practices including proper weed control, fertilisation and irrigation (where applicable) be followed to allow satisfactory response to the disease control achieved with ZEE-MIL PLUS.

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

*Ancillary panel 5 kg pack continued*

**WITHHOLDING PERIODS:****GRAPES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.****MACADAMIA NUTS: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.****GENERAL INSTRUCTIONS:**

ZEE-MIL PLUS is a fungicide combining both the systemic and curative properties of metalaxyl with the protective properties of copper oxychloride. ZEE-MIL PLUS should be applied as a protective fungicide before downy mildew disease occurs. However if infection has already occurred ZEE-MIL PLUS should be applied as soon as possible after the infection period, preferably before oil-spots appear, to obtain optimum control of downy mildew.

**Fungicide Resistance Warning**

GROUP	<b>D</b>	<b>Y</b>	FUNGICIDE
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ZEE-MIL PLUS is a combination of a Phenylamide and a Multi-site Activity fungicide. For fungicide resistance management ZEE-MIL PLUS is both a Group D and a Group Y fungicide. Some naturally occurring individual fungi resistant to ZEE-MIL PLUS and other Group D and/or Group Y 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 ZEE-MIL PLUS and other Group D and/or Group Y 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, United Phosphorus Pty Ltd accepts no liability for any losses that may result from the failure of ZEE-MIL PLUS to control resistant fungi.

**MIXING**

Pre-mix the product into a smooth, thin cream with sufficient water to ensure that all particles are thoroughly wet. Pre-mixed material should not stand for more than 1 hour.

**Knapsack sprayers:**

Pre-mix product before adding to the spray tank. Pour the premix into the partly filled tank, add remaining water and stir vigorously.

**Field sprayers:**

Pour the premix into a partly filled tank while vigorously agitating; making sure that the by-pass reaches the bottom of the spray tank. There must be sufficient agitation to keep the mixture stirred before and during spraying. Agitate vigorously from the bottom of the spray tank if material is left to stand.

**APPLICATION****Application in tree and vine crops****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

- (i) Dilute spray volume as determined above: For example 1000 L/ha
- (ii) Your chosen concentrate spray volume: For example 250 L/ha
- (iii) The concentration factor in this example is: 4 X (i.e.  $1000 \text{ L} \div 250 \text{ L} = 4$ )
- (iv) If the dilute label rate is 225 g/100 L, then the concentrate rate becomes 4 x 225, that is 900 g/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.

**While spraying:** Continue agitation during spraying. Agitate vigorously from the bottom of the spray tank if material is left to stand.

#### PRECAUTION:

**Re-entry period:** DO NOT re-enter treated areas until spray has dried.

**COMPATIBILITY:** ZEE-MIL PLUS is compatible with Supracide 400, Tilt 250 EC and some formulations of azinphos-methyl, chlorpyrifos, carbaryl, methyl parathion, dimethoate, dicofol, wettable sulphur and zineb. It is not compatible with Ziram.

**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. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**SAFETY DIRECTIONS:** Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. When opening the container and preparing spray wear elbow-length PVC gloves and disposable dust face mask covering mouth and nose. Wash hands after use. After each day's use wash gloves.

**FIRST AID:** If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

**MSDS:** Additional information is listed in the Material Safety Data Sheet.

**CONDITIONS OF SALE:** UPL Australia accepts responsibility for the consistent quality of the product; however since the use and application of the product is beyond control, the company accepts no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.

Main panel label 2.5 kg and 7.5 kg

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# **ZEE-MIL<sup>®</sup> PLUS**

## **SYSTEMIC FUNGICIDE**

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GROUP	<b>D</b>	<b>Y</b>	FUNGICIDE
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**NET CONTENTS (2.5 kg, 7.5 kg)**

Primary pack. Contains (5, 15) x 500 g WATER SOLUBLE MEASURE PACKS  
WHICH IT IS ILLEGAL TO SELL SEPARATELY

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BATCH No.

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**(50429/7.5kg/0707)**

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*Measure pack label*

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**SYSTEMIC FUNGICIDE**

**ACTIVE CONSTITUENTS: 350 g/kg COPPER (Cu)  
present as COPPER OXYCHLORIDE  
150 g/kg METALAXYL**

Not to be sold separately.  
Before use read all directions on the outer pack.  
Water soluble packaging. Keep dry.

**NET CONTENTS 500 g**

**APVMA Approval No. 50429/500g/0707**