

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

MEDLEY[®] PLUS

SYSTEMIC FUNGICIDE

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

GROUP	D	Y	FUNGICIDES
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**For control of Downy mildew on Grapevines and Phytophthora trunk canker
and Root rot of Macadamias as per the Directions for Use.**

NET CONTENTS: 5kg

Crop Care Australasia Pty Ltd, Unit 15/16 Metroplex Avenue, Murarrrie Qld 4172

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>)	Vic, SA, WA, Tas & NSW (Riverina-MIA only)	150g per 100L water	Before flowering 1-1.5kg per ha After flowering 1.5kg per ha	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 a CropLife Australia Fungicide Resistance Management Strategy. Use in a protective program commencing before disease occurs. Limit the use of Group D fungicides to periods when conditions favour disease development Use higher rate depending on severity of disease. Protective Treatment Commence spraying when the grapevine shoots are approximately 200mm 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). Post Infection (curative) Treatment 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. DO NOT apply more than 4 sprays of a Group D
		Qld & NSW (except Riverina-MIA only)		1.5kg per ha		

					<p>4 sprays of a Group D product 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.</p> <p>High Volume Spraying Use a minimum of 500L mixture per ha before flowering, increasing volume to a minimum of 1000L per ha when vines are in full foliage.</p>
		Vic, SA, Tas & NSW only	150g plus 200g of copper oxychloride per 100L water	1.5kg plus 2kg of copper oxychloride per ha	Use the tank mix when prolonged humid and wet conditions continue for more than 7 days after previous MEDLEY PLUS application.

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Macadamia nuts	Trunk canker and Root rot (<i>Phytophthora sp.</i>)	NSW & Qld only	Trunk spray and soil drench 25g per litre water. 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 MEDLEY PLUS.

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

WITHHOLDING PERIODS

GRAPES: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

MACADAMIA NUTS: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

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

Fungicide Resistance Warning

GROUP D | Y FUNGICIDES

MEDLEY PLUS is a combination of a Phenylamide and a Multi-site activity fungicide. For fungicide resistance management MEDLEY PLUS is both a Group D and a Group Y fungicide.

Some naturally occurring individual fungi resistant to MEDLEY PLUS and other Group D and 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 MEDLEY PLUS and other Group D and 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, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of MEDLEY 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: 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

Special Instructions for Tree Crops/Vines

Dilute Spraying

- ◆ Use a sprayer designed to apply high spray volumes, up to 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. Apply sufficient spray solution to cover the crop to the point of run-off. Avoid excessive run-off.
- ◆ The required spray volume to achieve point of run off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other 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 to achieve point of run off 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 spray 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 spray 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

1. Dilute spray volume as determined above: For example 1500 L/ha
 2. Your chosen concentrate spray volume: For example 500 L/ha
 3. The concentration factor in this example is: 3 X (i.e. $1500 \text{ L} \div 500 \text{ L} = 3$)
 4. If the dilute label rate is 150 g/100 L, then the concentrate rate becomes 3 x 150, that is 450 g of product per 100 L water for concentrate spraying.
- ◆ 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.

Compatibility

MEDLEY PLUS is compatible with Supracide[®] 400, Tyrant[®], Tilt[®] 250EC and some formulations of aziniphos-methyl, chlorpyrifos, carbaryl, methyl parathion, dimethoate, dicofol, wettable sulphur and zineb. It is not compatible with ziram.

Export Wine

Where this product will be used on grapes that will be used to produce wine destined for export markets, seek advice from the Australian Wine Research Institute or Crop Care Australasia Pty Ltd to ensure the wine will meet the requirements of the intended importing country.

PRECAUTION

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

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 before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. 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, disposable dust 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 13 11 26.*

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from your supplier or the Crop Care website: www.cropcare.com.au

Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS - AUSTRALIA WIDE
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'Medley', 'Supracide', 'Tilt' and 'Tyrant' are registered trademarks.

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bar code and print code to be inserted
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APVMA Approval No.: 62254/5kg/0807

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