

POISON

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

Axiom[®] Plus

Fungicide

ACTIVE CONSTITUENTS:

350 g/kg COPPER (Cu)

present as COPPER OXYCHLORIDE

150 g/kg METALAXYL

GROUP **4 | M1** FUNGICIDE

Controls Downy Mildew on grapevines, and *Phytophthora* Trunk Canker and Root Rot of macadamia nuts as per the Directions for Use



ADAMA

Formulation type

Wettable
Powder

WP

adama.com

NET CONTENTS: 2.5 kg (5 x 500 g water soluble bags), 7.5 kg (15 x 500 g water soluble bags)

DIRECTIONS FOR USE

CROP	DISEASE CONTROLLED	STATE	APPLICATION RATE			WHP	CRITICAL COMMENTS
			HIGH VOLUME APPLICATION	LOW VOLUME OR AIRCRAFT APPLICATION	TRUNK SPRAY AND SOIL DRENCH		
Grapevines	Downy Mildew (<i>Plasmopara viticola</i>)	NSW (Riverina – MIA only), Vic, Tas, SA, WA only	150 g per 100 litres of water	Before Flowering 1 - 1.5 kg per hectare depending on severity of the disease After Flowering 1.5 kg per hectare	-	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 AVCARE 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. Protective Treatment Commence spraying when the grapevine shoots are approximately 20 cm (200 mm) long and continue spraying at 7 - 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 - 21 day intervals. - Continued overleaf

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Grapevines -Continued	Downy Mildew (<i>Plasmopara viticola</i>)	NSW (Riverina – MIA only), Vic, Tas, SA, WA only	150 g per 100 litres of water	Before Flowering 1 - 1.5 kg per hectare depending on severity of the disease After Flowering 1.5 kg per hectare	-	7 days	<p><i>-Continued</i></p> <p>DO NOT apply more than 2 consecutive sprays of a Group 4 product. Resume the program of protectant sprays. Apply a maximum of 4 AXIOM® PLUS sprays per season.</p> <p>DO NOT spray grapevines in Queensland when grapes are flowering.</p> <p>Minor phytotoxic reactions of some varieties of grapes may occur under certain conditions.</p> <p>For High Volume Spraying</p> <p>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.</p>
		Qld, NSW only (except Riverina – MIA only)	150 g per 100 litres of water	1.5 kg per hectare			
		Vic, SA, Tas, NSW only	150 g + 200 g of copper oxychloride per 100 litres of water	1.5 kg + 2 kg of copper oxychloride per hectare			
Macadamia Nuts (Queensland Nut) - Field treatment of plantations	<i>Phytophthora</i> Trunk Canker & Root Rot	Qld, NSW only	-	-	Trunk Spray and Soil Drench Application 25 g per litre. Apply 1 - 5 litres of drench per tree depending on tree size.	28 days	<p>Before treatment clear all weed growth from under the tree.</p> <p>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 - 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 AXIOM® PLUS.</p>

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

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

MIXING

AXIOM® PLUS is a wettable powder formulation packed in water soluble packaging. The water soluble bags dissolve easily in water. DO NOT excessively handle water soluble bags or expose to moisture. DO NOT touch bags with wet hands. Return unused bags to a primary pack. For mixing adhere to the following recommendations.

1. Partially fill the spray tank with water.
2. Throw in the required number of water soluble bags (or premix bags in bucket and add slurry to spray tank).
3. Ensure agitation system is fully engaged. Ensure bag does not enter filter system.
4. Top up with correct volume of water. Bag should be completely dissolved before spraying commences. Continue agitation to ensure AXIOM® PLUS is in suspension during spraying.
5. DO NOT store prepared spray solution, when spray solutions have been allowed to stand in the spray tank thoroughly re-agitate before using.

APPLICATION

Application in tree and vine crops

Dilute Spraying:

Use a sprayer designed to apply high volumes of water 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 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 the 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 can then be calculated in the following way:

EXAMPLE ONLY

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

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

Knapsack sprayers: Pre-mix product before adding to the spray tank. Pour the pre-mix into the partly filled tank, adding remaining water and stir vigorously.

COMPATIBILITY

AXIOM® PLUS is compatible with Bumper®, Suprathion® and some formulations of azinphosmethyl, chlorpyrifos, carbaryl, dimethoate, dicofol, wettable sulphur, zineb. It is not compatible with Ziram.

FUNGICIDE RESISTANCE WARNING

AXIOM® PLUS Systemic Fungicide is a combination of a Phenylamide and a Multi-site Activity Fungicide. For fungicide resistance management AXIOM® PLUS is both a Group 4 and a Group M1 fungicide.

GROUP	4	M1	FUNGICIDE
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Some naturally occurring individual fungi resistant to AXIOM® PLUS and other Group 4 and/or Group M1 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 AXIOM® PLUS and other Group 4 and/or Group M1 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, Adama Australia accepts no liability for any losses that may result from the failure of AXIOM® PLUS to control resistant fungi.

RE-ENTRY PERIOD

DO NOT re-enter treated areas until spray has dried.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate ponds, waterways and drains 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. Shake and empty contents into spray tank. Do not dispose of undiluted chemicals on site. Break, crush, or 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

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 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 13 11 26.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for AXIOM® PLUS Fungicide is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of AXIOM® PLUS Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

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