

POISON

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

Axiom® Flexi

Fungicide

ACTIVE CONSTITUENT:

800 g/L METALAXYL-M

SOLVENT: 227 g/L DIETHYLENE GLYCOL MONOMETHYL ETHER

GROUP

4

FUNGICIDE

For the control of Downy mildew in grapevines and Pythium in commercial turf grass as specified in the Directions for Use.

Formulation type
Soluble
Concentrate

SL



ADAMA

adama.com

CONTENTS: 100 mL to 1000 L

DIRECTIONS FOR USE RESTRAINTS

DO NOT apply more than 4 sprays per season.

DO NOT apply this product as a post-infection curative spray on crops as this will favour the development of resistant disease strains.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.

SITUATION	DISEASES CONTROLLED	RATE	CRITICAL COMMENTS
Grapevines	Downy Mildew (<i>Plasmopara viticola</i>)	<p>Dilute spraying: Before flowering 10 to 14 mL/100 L water + Copper 500 WG* or equivalent products at the label rate.</p> <p>After flowering 14 mL/100 L water + Copper 500 WG* or equivalent products at the label rate.</p> <p>Concentrate spraying: Refer to the Application section</p> <p>Dilute spraying: 14 mL/100 L water + 200 g/100 L Mancozeb 750 DF</p> <p>Concentrate spraying: Refer to the Application section</p>	<p>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.</p> <p>This use is subject to an 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. Always apply Group 4 fungicides in mixtures. 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 AXIOM® FLEXI. 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 AXIOM® FLEXI or other Group 4 fungicide sprays per season. DO NOT apply to grapevines in flower in Queensland.</p> <p>Minor phytotoxic reactions on some varieties of grapes may occur under certain conditions.</p> <p>Dilute spraying: Apply to the point of runoff. Use a minimum of 500 L mixture/ha before flowering, increasing volume to a minimum of 1,000 L/ha when vines are in full foliage.</p> <p>Concentrate spraying: Do not go higher than four times the concentration factor as compared to dilute spraying. Ensure thorough coverage. Refer to <i>Application section</i> for more details. The effect of AXIOM® FLEXI could be diminished if rain falls within 6 hours of application.</p> <p>*Refer to compatibility section for various brands of copper hydroxide.</p>
Commercial Turf Grass	Pythium Leaf Blight, Pythium Root Rot, Seedling Damping off (<i>Pythium</i> spp.)	510 mL to 1.05 L/ha or 5.1 to 10.5 mL/100 m ²	<p>Apply AXIOM® FLEXI in a preventative fungicide program containing fungicides from different chemical groups.</p> <p>Begin applications before symptoms occur when conditions first favour disease and continue applications while conditions remain favourable for disease development using registered Pythium fungicides.</p> <p>Apply no more than two consecutive AXIOM® FLEXI applications at 14 to 21 day intervals for Pythium.</p> <p>Refer to Application section for detailed information.</p>

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

WITHHOLDING PERIODS:

Grapes:

For tank-mix with Mancozeb: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

For tank-mix with Copper: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

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 Adama to ensure the wine will meet the requirements of the intended importing country

GENERAL INSTRUCTIONS

MIXING

Wettable powders or dry flowable formulations (e.g., water dispersing granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts or formulations (e.g., AXIOM® FLEXI) and then Emulsifiable concentrate or oil dispersions. Add spraying oils and surfactants (wettors) last. AXIOM® FLEXI mixes completely with water and may be tank mixed with many commonly used fungicides and liquid fertilisers.

APPLICATION

Application in 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 runoff. Avoid excessive runoff. 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 Direction for Use table for each 100 L of water. Spray to the point of runoff. 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 runoff) 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) 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, 2000 L/ha
 chosen concentrate spray volume: for example, 500 L/ha
 The concentration factor in this example is: 4 x (i.e., 2,000 L / 500 L = 4)
 If the dilute label rate is 14 mL/100 L, then the concentrate rate becomes 4 x 14, that is 56 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.

Application in Turf

Ensure even application in order to achieve even disease control. Avoid overlapping sprays.

Leaf and Crown Diseases: Application volume for leaf and crown infecting diseases (Pythium Leaf Blight) should be adequate to ensure thorough and even coverage of the turf leaves and penetration to the crowns. Ideal application volume should be 350 to 500 L/ha. *Example:* For best results use medium [eg XR Teejet* (11004 or 10005)] to coarse [eg Turbo Teejet* or AIXR Teejet* (11004 or 11005)] nozzles, at 5 km/h and 3 bar pressure. In higher cut turf (>=15 mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes.

Root Diseases: Application volumes for root infecting diseases (Pythium Root Rot and Seedling Damping Off) should be as high as possible (approximately 1000 L/ha) to ensure placement close to the soil surface. When lower application volumes are used, washing in should commence as soon as possible after application. *Example:* For best results use extremely coarse droplets [eg Turbo Floodjet (TFS) or TurfJet (TTJ10)] and total application volume of approximately 1000 L/ha. Preferably spray onto wet or dewy grass. Irrigate with 6 to 10 mm of water commencing within 1 hour of application.

COMPATIBILITY

AXIOM® FLEXI is compatible with Mancozeb 750 DF and Copper Hydroxide WG formulations (Blue Shield DF, Champ DP or Kocide Opti). Field trials have confirmed AXIOM® FLEXI is compatible with cupric hydroxide, copper oxychloride and tribasic copper sulphate. Refer to the ADAMA website, www.adama.com, for a detailed list of compatible products.

FUNGICIDE RESISTANCE WARNING

AXIOM® FLEXI Fungicide is a member of the phenylamide group of fungicides. For fungicide resistance management the product is a Group 4 fungicide. Some naturally occurring individual fungi resistant to the product and other 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 this product and other 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, Adama Australia accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

PRECAUTION

For turf use only: Re-entry period for the general public:

DO NOT allow entry into treated areas until the spray has dried.

Re-entry statements for occupational users:

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.

PROTECTION OF LIVESTOCK

For turf use only: DO NOT graze treated turf/lawn or feed turf/lawn clippings from any treated area to poultry or livestock.

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. Do NOT store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture 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.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will damage eyes. May irritate the skin. Do not inhale spray mist. Avoid contact with the eyes. When using together with other products, consult their label safety directions. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). 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. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

WARNING – contains diethylene glycol monomethyl ether (DEGME) which causes birth defects in laboratory animals. Women of childbearing age should avoid contact with DEGME.

SDS

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

CONDITIONS OF SALE:

The use of AXIOM® FLEXI 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 from the use of this product.

® Registered trademark of an Adama Group Company

05/2024 24052