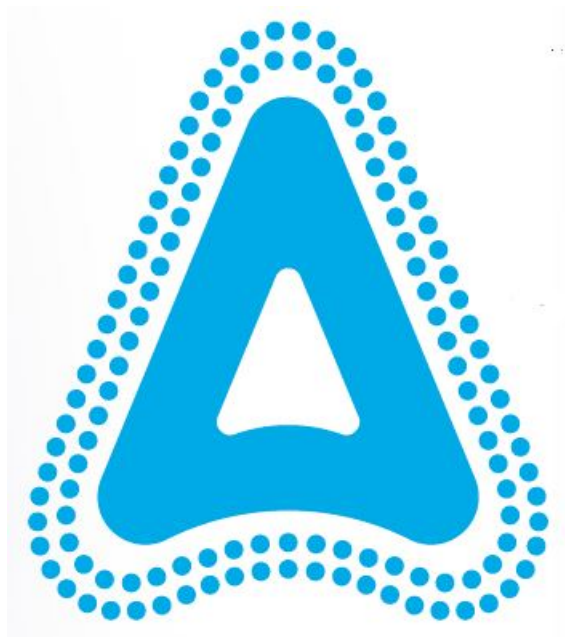


**DANGER**  
**KEEP OUT OF REACH OF CHILDREN**



# MIRAGE<sup>®</sup> 450 FUNGICIDE

GROUP	3	FUNGICIDE
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**A fungicide for the control of certain diseases in avocados, barley, radiata pine and wheat.**

**READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING**

## **Active Ingredient:**

Contains 450 g/L PROCHLORAZ in the form of an emulsifiable concentrate, also contains 396 g/L XYLENE

Adama New Zealand Limited  
Level 1, 93 Bolt Road  
Tahunanui, Nelson 7011  
PO Box 1799, Nelson 7040  
New Zealand  
Telephone 03 543 8275  
[www.adama.com](http://www.adama.com)

NET CONTENTS  
**1 L, 5 L, 20 L**

# ADAMA

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****HAZARD CLASSIFICATIONS: 3.1C, 6.1D, 6.3A, 6.8B, 6.9B, 8.3A, 9.1A, 9.3C****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES**

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. *Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.*

**RECORD KEEPING**

Where 3 L or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.*

**DANGER**

**Flammable liquid and vapour.**

**Harmful if swallowed, in contact with skin or inhaled.**

**Causes mild skin irritation.**

**Suspected of damaging fertility or the unborn child.**

**May cause damage to the liver through prolonged or repeated exposure.**

**Causes serious eye damage.**

**ECOTOXICITY**

**Very toxic to aquatic life with long lasting effects.** Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

**Harmful to terrestrial vertebrates.**

**HANDLING PRECAUTIONS**

Keep out of reach of children.

Keep away from heat, sparks open flames and hot surfaces.

Do not eat, drink or smoke while using.

Obtain special instructions before use.

Do not handle this product until all safety precautions have been read and understood.

Do not breathe spray mist or vapours.

Use only outdoors or in a well-ventilated area.

Use personal protective equipment as required.

Wash hands and exposed skin thoroughly after handling.

**EQUIPMENT**

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

**STORAGE**

Store locked up in the original, tightly closed container in a cool, dry, well-ventilated place, out of direct sunlight and away from sources of ignition, stockfeed or foodstuffs. In case of fire use water spray, water fog, or foam for extinction.

There are requirements when storing this product in a workplace, relating to labelling, safety data sheets, stationary container systems, separation distances, secondary containment, emergency response plans, and signage; and in a place other than a workplace, relating to stationary container systems, separation distances, emergency response plans, secondary containment, and signage.

Secondary containment and emergency response plans are required where greater than 100 L of this product are stored. Refer to the product SDS for further information.

**TRANSPORT**

Do not carry packs greater than 10 L of this product on a passenger service vehicle.

#### **SHELF LIFE**

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

#### **PERSONAL PROTECTION**

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.

#### **SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

#### **DISPOSAL**

**Container Disposal** - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

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**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

#### **CONDITIONS OF SALE**

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) 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 Adama New Zealand Limited within thirty days of delivery.



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*Label*

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Mirage is a registered trademark of an ADAMA Group Company.



**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand  
**0800 734 607**

In a Transport  
Emergency  
Phone 111  
Police or Fire

Batch Number:  
Date of Manufacture:

*Bar code to be inserted*

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**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

#### **SAFETY DATA SHEET**

A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

#### **PRODUCT INFORMATION**

MIRAGE 450 FUNGICIDE is a DMI fungicide with eradicator and protectant activity against certain diseases in avocado, barley, radiata pine and wheat.

#### **DIRECTIONS FOR USE**

**TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.**

**It is an offence to use this product on animals.**

CROP	DISEASE	RATE	CRITICAL COMMENTS
Avocados	Anthrachnose	<b>Post-harvest dip</b> 110 mL/200 L water  <b>Post-harvest spray</b> 55 mL/100 L water	Immerse fruit for 30 seconds. Treat no more than 2 tonnes of fruit (approx. 400 packed trays) per 200 L of dip solution. Discard used dip solution and replace if more fruit are to be treated.  Spray fruit for 1 minute in a non-recirculation system. Do not reuse solution.  Note: Thorough coverage of the fruit is essential. Treat fruit at ambient temperature as soon as



CROP	DISEASE	RATE	CRITICAL COMMENTS
			practical after picking. After treatment allow fruit to drain and dry before packing. The rate at which the active ingredient is removed is unknown, therefore, discarding used dip/spray solution is essential. Dirty fruit should be dipped last. Do not treat visibly diseased fruit.
<b>Barley, wheat</b>	Eyespot	1 L/ha	Apply from mid to late tillering (Zadoks GS 26) to flag leaf just visible (Zadoks GS 37).
	Glume blotch		Apply as soon as the flag leaf ligule is visible to protect the flag leaf against infection.
	Ear disease complex		Apply when the ear is fully emerged (Zadoks GS 58).
<b>Barley</b>	Leaf scald Net blotch Spot blotch		Apply at the first signs of disease or as a preventative treatment, when conditions favour infection.
<b>Wheat</b>	Speckled leaf blotch		Apply as a preventative treatment between first true leaf (Zadoks GS 11) and tillering (Zadoks GS 21) or at the first signs of infection. A second application may be required at ear emergence (Zadoks GS 51) to protect the flag leaf.
<b>Radiata Pine seedlings</b>	Terminal Crook disease	1.5 L/ha	Apply as a protectant spray at 7-14 day intervals. Use the shorter spray interval under severe infection pressure.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

#### WITHHOLDING PERIOD

**Barley, wheat: 42 days**

#### MIXING

Invert container several times before opening. Add the full quantity of product to the partly filled spray tank while agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate vigorously from the bottom if allowed to stand. Reseal part used containers immediately.

#### COMPATIBILITY

This product is compatible with most commonly used herbicides, fungicides and insecticides. DO NOT mix with strongly alkaline materials such as Bordeaux mixture and lime sulphur. When used in mixtures care should be taken not to compromise timing or method of application for all components of the tank mix. DO NOT use in mixtures when treating avocados.

#### RESISTANCE MANAGEMENT

MIRAGE 450 FUNGICIDE contains the GROUP 3 DMI fungicide, prochloraz. Do not use another product containing a fungicide in the same group in conjunction with MIRAGE 450 FUNGICIDE. Wherever practical, apply MIRAGE 450 FUNGICIDE in mixture with an effective dose of a fungicide from a different group or alternate with fungicides from different groups. Strictly adhere to the application rate and timing and the maximum numbers of applications listed in the directions for use. Exceeding the maximum number of applications per season will increase the risk of resistance development. Apply preventatively when disease levels are low, but disease risk is high. Where MIRAGE 450 FUNGICIDE is used to control more than one pathogen in a crop the maximum numbers of applications allowed per season apply to the whole crop, not to each individual disease.



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