

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**



# SPHINX<sup>®</sup> FUNGICIDE

**GROUP 40 FUNGICIDE**

**For the control of downy mildew on grapes, lettuce and onions,  
and early and late blight on potatoes**

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

**Active Ingredient:**

Contains 500 g/L DIMETHOMORPH in the form of a suspension concentrate

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 – 20 L**

## ADAMA

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**

**HAZARD CLASSIFICATIONS: Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2.**



**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.

**WARNING**

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

**ECOTOXICITY**

**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.

**HANDLING PRECAUTIONS**

Keep out of reach of children.  
Do not eat, drink or smoke while using.  
Do not breathe spray mist.

**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 in the original, tightly closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.

Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where greater than 1000 L of this product are stored

**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 cotton overalls buttoned to the neck and wrist and a washable hat and elbow length PVC gloves. Remove protective clothing and wash hands, arms and face thoroughly 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<sup>®</sup> depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

**Product Disposal** - Dispose of this product only by using according to the label or through the Agrecovery<sup>®</sup> Chemical Recovery service or other approved facility.

**FIRST AID**

**If medical advice is needed, have product container or label at hand.**

**For advice, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.**

**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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Sphinx 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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## SAFETY DATA SHEET

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

## GENERAL INFORMATION

SPHINX FUNGICIDE is a morpholine fungicide, which has protectant and anti-sporulant activity against downy mildew on grapes, lettuce and onions, and late blight on potatoes. Dimethomorph, the active ingredient in SPHINX FUNGICIDE, has a unique mode of action with systemic, penetrant and curative properties. Dimethomorph is systematically translocated upwards in the plant and is translaminar with local systemicity when applied to the foliage. SPHINX FUNGICIDE should always be used as part of a protective spray programme and applied before disease symptoms appear. To prevent or delay the development of strains of disease fungi resistant to dimethomorph, it is recommended that this product be used in spray programmes including fungicides with different modes of action. Refer to the Comments section of this label.

## DIRECTIONS FOR USE

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

The rates suggested are for high volume spraying to run-off. For concentrate spraying, adjust dilution rate accordingly. Do not apply in less than 200 L of water/ha.

CROP	DISEASES	RATE	CRITICAL COMMENTS
<b>Grapes</b>	Downy mildew ( <i>Plasmopara viticola</i> )	36 mL/100 L (360 mL/ha) + a suitable protectant fungicide at label rates	Apply in a minimum 1,000 L of water/ha. Apply at 14 day intervals from when shoots are 5-10 cm.
<b>Lettuce</b>	Downy mildew ( <i>Bremia lactucae</i> )	360 mL/ha + a suitable protectant fungicide at label rates	Maintain a regular protectant programme. Apply SPHINX FUNGICIDE at 7-10 day intervals when conditions favour disease development, but before the disease is evident. Apply two consecutive sprays of SPHINX FUNGICIDE 7-10 days apart. Then change to a fungicide from another chemical group. Use the shorter interval when conditions favouring infection are creating a high risk of disease. Apply in 500-750 L of water/ha. Use a surfactant at label rates.
<b>Onions</b>	Downy mildew ( <i>Peronospora destructor</i> )	360 mL/ha + a suitable protectant fungicide at label rates	Apply in 500-750 L of water/ha. Apply at 10 day intervals during periods of active growth or when high humidity conditions favour the disease. Use a surfactant at label rates.
<b>Potatoes</b>	Early blight ( <i>Alternaria solani</i> ) Late blight ( <i>Phytophthora infestans</i> )	360 mL/ha + a suitable protectant fungicide at label rates	Apply as a foliar spray to run-off when the crop has fully emerged but before any sign of disease and repeat at 10-14 day intervals. Use the closer interval when conditions favour the disease, especially during favourable growth conditions in the period prior to flowering. Use a surfactant at label rates.

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

## WITHHOLDING PERIODS

**Grapes, lettuce, onions, potatoes: Do not apply later than 14 days before harvest.**

## MIXING

Half fill the spray tank with water. Then with the agitators running, pour in the required quantity of SPHINX FUNGICIDE and top up with water. Ensure that it is thoroughly mixed in the spray tank and the water level is over two thirds full before adding a surfactant at label rates. Agitation is required during spraying and after a stoppage.

## COMPATIBILITY

Do NOT mix with strongly alkaline or acidic materials. If compatibility is in question use the compatibility jar test before mixing a whole tank. For further information consult your supplier.

## APPLICATION

Ensure the spray equipment is properly calibrated. Complete spray coverage is essential for consistent disease control with any fungicide. Forward speeds should be sufficiently slow to ensure thorough spray coverage of the crop being treated. For specified crops do not apply less than the recommended label rate of SPHINX FUNGICIDE. Use a surfactant at label rates.

## RESISTANCE MANAGEMENT

SPHINX FUNGICIDE contains the **GROUP 40** Carboxylic Acid Amide (CAA) fungicide, dimethomorph. To minimise the risk of resistance development do not use another product containing a fungicide in the same group in conjunction with SPHINX FUNGICIDE and use strictly in accordance with label directions. Under high disease pressure apply two close interval applications of SPHINX FUNGICIDE, followed by applications of either protectant fungicides or fungicides from another chemical group. To minimize the development of resistant disease strains do not apply more than four applications of SPHINX FUNGICIDE to any one crop.

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