

## CAUTION

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

# ACROBAT<sup>®</sup> SC

Fungicide

ACTIVE CONSTITUENTS: 500 g/L DIMETHOMORPH

GROUP **40** FUNGICIDE

For the control of various diseases of cucurbits, grapevines, head lettuce, onions, oilseed poppies and potatoes, when mixed with mancozeb or POLYRAM<sup>®</sup> DF Fungicide Spray, protectant fungicides, as per the DIRECTIONS FOR USE table

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

CONTENTS: 1L

Nufarm Australia Limited  
ACN 004 377 780  
103-105 Pipe Road  
Laverton North Victoria 3026  
Tel: (03) 9282 1000  
Fax: (03) 9282 1001



APVMA Approval No.: 62737/1L/0209

**STORAGE AND DISPOSAL**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product.

**SAFETY DIRECTIONS**

Harmful if swallowed. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

**MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or from the Nufarm website – [www.nufarm.com.au](http://www.nufarm.com.au)

**CONDITIONS OF SALE**

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Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

**In case of emergency: Phone 1800 033 498**

Ask for shift supervisor. Toll free 24 hours.

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Product No.:

Batch No.:

Date of Manufacture:

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**IMPORTANT: THIS BOOKLET IS PART OF THE LABEL**

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**DIRECTIONS FOR USE****RESTRAINTS:** DO NOT apply by aircraft.

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Cucurbits	Downy mildew ( <i>Pseudoperonospora cubensis</i> )	360 mL/ha plus mancozeb (1.5 kg/ha of mancozeb 800 or 1.6 kg/ha of mancozeb 750) or plus POLYRAM at 2.2 kg/ha	7 days	Maintain a regular protectant spray programme. Apply ACROBAT SC when conditions favour disease development but before the disease is evident. Apply two consecutive sprays of ACROBAT SC, 7 to 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. Add a non-ionic surfactant at label rate. Ensure that good coverage is achieved, including the undersides of leaves. DO NOT apply more than 4 sprays of ACROBAT SC to each crop, as a precaution against development of disease resistance. NOTE: In some states, POLYRAM can only be used on cucumbers and not other cucurbits. (Refer to POLYRAM label for full details)
	<b>Qld and NT only</b> Anthracnose ( <i>Colletotrichum</i> spp.), Gummy stem blight ( <i>Didymella bryoniae</i> ), Alternaria leaf spot ( <i>Alternaria</i> spp.), Septoria spot (pumpkin) ( <i>Septoria</i> spp.)			
Grapevines	Downy mildew ( <i>Plasmopara viticola</i> )	<b>Dilute spraying</b> 36 mL/100 L plus mancozeb (120 g/100 L of mancozeb 800 or 160 g/100 L of mancozeb 750) or plus POLYRAM at 150 to 200 g/100 L  <b>Concentrate spraying</b> Refer to the Application section	4 weeks	DO NOT use in crops intended for drying. Also see 'PRECAUTION' section re export commodities.  Apply at 7 to 14 day intervals when humid or wet conditions favour infection but before disease is evident. Use the shorter interval when conditions favouring infection are creating a high risk. Apply a maximum of 3 consecutive sprays before changing to another fungicide.  Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.  DO NOT use concentrate spraying equipment that requires a concentration factor of more than 5X (180mL/100L). DO NOT apply in volumes less than 250 L/ha.  Add a non-ionic wetting agent. DO NOT apply more than 6 sprays of ACROBAT SC per season, as a precaution against development of disease resistance. DO NOT use a tankmix with POLYRAM on vines in ACT or NT. (Refer to POLYRAM label for full details)
Lettuce (head varieties only)	Downy mildew ( <i>Bremia lactucae</i> ), Anthracnose ( <i>Marssonina panattoniana</i> ), Septoria leaf spot ( <i>Septoria</i> spp.)	360 mL/ha plus mancozeb (1.5 kg/ha of mancozeb 800 or 1.6 kg/ha of mancozeb 750) or plus POLYRAM at 2.2 kg/ha	14 days	Maintain a regular protectant spray programme. Apply when conditions favour disease development but before the disease is evident. Apply two consecutive sprays of ACROBAT SC, 7 to 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. Apply in 250 to 500 L of water per hectare. Add a non-ionic surfactant at label rates. DO NOT apply more than 4 sprays of ACROBAT SC to each crop as a precaution against development of disease resistance.
Oilseed poppies	Downy mildew ( <i>Peronospora arborescens</i> )	360 mL/ha plus mancozeb (1.5kg/ha of mancozeb 800)	6 weeks	Maintain a protective spray programme at early run-up stage of crop growth. Apply ACROBAT SC when conditions favour disease development during the late run-up to hook stage. Re-apply 10 days later if required. Apply in 250 to 500 L water per hectare. Add a non-ionic surfactant at the label rate. DO NOT apply later than early flowering stage. DO NOT apply more than 2 sprays of ACROBAT SC to each crop, as a precaution against development of disease resistance.
Onions	Downy mildew ( <i>Peronospora destructor</i> ), leaf blight	360 mL/ha plus mancozeb (1.5 kg/ha of mancozeb 800 or 1.6 kg/ha of mancozeb 750)	7 days	Maintain a regular protectant spray programme. Apply when conditions favour disease development but before the disease is evident. Apply two consecutive sprays of ACROBAT SC, 7 to 14 days apart, then change to a fungicide from another chemical group. Use the shorter interval when conditions favouring infection are creating a high risk. Apply in 250 to 500 L of water per hectare. Add a non-ionic surfactant at the label rate. DO NOT apply more than 4 sprays of ACROBAT SC to each crop, as a precaution against development of disease resistance.
	<b>Qld and NT only</b> Purple blotch ( <i>Alternaria porri</i> )			

<b>CROP</b>	<b>DISEASE</b>	<b>RATE</b>	<b>WHP</b>	<b>CRITICAL COMMENTS</b>
Potatoes	Late blight ( <i>Phytophthora infestans</i> ), early blight ( <i>Alternaria solani</i> )	360 mL/ha plus mancozeb (1.5 kg/ha of mancozeb 800 or 1.6 kg/ha of mancozeb 750) or plus POLYRAM at 1.7 to 2.5 kg/ha	14 days	Maintain a regular protectant spray programme. Apply on a protectant schedule at 7 to 10 day intervals when conditions favour disease development but before the disease is evident. Use the shorter spray interval when conditions for disease development are severe. Add a non-ionic surfactant at the label rate. Apply ACROBAT SC in 250 to 500 L of water per hectare. DO NOT apply more than 4 sprays of ACROBAT SC to each crop, as a precaution against development of disease resistance.

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

**WITHHOLDING PERIODS:**

**CUCURBITS, ONIONS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**LETTUCE (HEAD VARIETIES ONLY), POTATOES: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

**GRAPEVINES: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

**OILSEED POPPIES: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION.**

## GENERAL INSTRUCTIONS

### FUNGICIDE RESISTANCE WARNING

#### GROUP 40 FUNGICIDE

For fungicide resistance management, ACROBAT SC is a Group 40 fungicide.

Some naturally occurring individual fungi resistant to ACROBAT SC may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if ACROBAT SC is used repeatedly. These resistant fungi may not be controlled by ACROBAT SC and other Group 40 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, Nufarm Australia Ltd accepts no liability for any losses that may result from the failure of ACROBAT SC to control resistant fungi.

For resistance management, this product should always be used in conjunction with mancozeb or POLYRAM. These mixtures combine the locally systemic, translaminar properties of dimethomorph with the protective properties of products such as mancozeb and POLYRAM. It 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 is used in spray programmes including fungicides with different modes of action. Refer to the CRITICAL COMMENTS section of this label. Consult a Nufarm representative for further information if required.

### PRECAUTION

#### Export of treated fruit or wine

Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all markets for fruit treated with ACROBAT SC Fungicide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing fruit for export (either fresh or as wine), please check with Nufarm Australia Ltd or the Australian Wine Research Institute <http://www.awri.com.au> for the latest information on MRLs and import tolerances BEFORE using ACROBAT Fungicide.

### RE-ENTRY PERIOD

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 a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

### MIXING

Half fill the spray vat with water and commence agitation. Add the required volume of ACROBAT SC and allow to disperse. Add the correct amount of mancozeb or POLYRAM as directed. Add the remainder of the water with agitation running. Add

wetting agent, if required, when spray tank is full. Ensure thorough mixing and constant agitation to keep the product in suspension.

### APPLICATION

Ensure thorough coverage of plants, especially the underside of leaves and young grape bunches. DO NOT apply by aircraft.

### APPLICATION TO GRAPEVINES

#### 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 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 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:  $3 \times$  (i.e.  $1500 \text{ L} \div 500 \text{ L} = 3$ )
  4. If the dilute label rate is 36 g/100 L, then the concentrate rate becomes  $3 \times 36$ , that is 108 g/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.

For concentrate application, use a spray volume of at least 250 litres per hectare.

For dilute application, apply to run-off. See Dilute spraying above.

#### **COMPATIBILITY**

ACROBAT SC should always be mixed with mancozeb or POLYRAM as directed. Due to the range of mancozeb formulations available, compatibility has not been tested on all products. Users are advised to test the tank mix on a small area of the crop to be treated, prior to use. ACROBAT SC can be tank-mixed with MVP™ Bio-encapsulated Insecticide, Dipel<sup>+</sup> Forte, Lorsban<sup>+</sup> EC, Kocide<sup>+</sup> or DELAN<sup>®</sup> Fungicide. Avoid mixing with strongly alkaline or acidic materials.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Highly toxic to fish and other aquatic organisms. DO NOT contaminate ponds, dams, streams, waterways or drains with the chemical or used containers.

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

#### **STORAGE AND DISPOSAL**

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