

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

ACROBAT®



FUNGICIDE

Active Constituent: 500 g/kg DIMETHOMORPH

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

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

For fungicide resistance management, ACROBAT is a

GROUP	X	FUNGICIDE
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 Group X fungicide. Some naturally occurring individual fungi resistant to ACROBAT may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if ACROBAT is used repeatedly. These resistant fungi may not be controlled by ACROBAT and other Group X 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, BASF Australia Ltd accepts no liability for any losses that may result from the failure of ACROBAT 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 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 BASF representative for further information if required.

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.

CAUTION

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 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 BASF

Australia Ltd or the Australian Wine Research Institute <http://www.waite.adelaide.edu.au/AWRI/> for the latest information on MRLs and import tolerances BEFORE using ACROBAT Fungicide.

MIXING (900 g pack size)

Half fill the spray vat with water and commence agitation. Add the required number of water soluble bags and allow them 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.

MIXING (1.5 kg pack size)

Half fill the spray vat with water and commence agitation. Weigh out the required quantity of ACROBAT and add to spray tank with agitation running. 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.

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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 3×36 , 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 should always be mixed with mancozeb or POLYRAM.

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 can be tank-mixed with MVP™ Bio-encapsulated Insecticide, Dipel+ Forte, Lorsban+ EC, Kocide+ or DELAN® 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

Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Inner plastic bag disposal: Single rinse before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

Plastic bucket disposal: Containers which have held ACROBAT should not be used for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. If recycling, replace lid and return clean containers to recycler or designated collection point. If not

recycling, break, crush or puncture empty container and dispose of in the same manner as described above for the inner bag.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with the eyes. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves. 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. Telephone 131126 Australia-wide.

MSDS

Additional information is listed in the Material Safety Data Sheet.

CONDITIONS OF SALE: All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd. or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non excludable conditions or warranties of the Trade Practices Act 1974 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd. or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

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NRA Approval No.: 52989/0703

THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL

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DIRECTIONS FOR USE**RESTRAINT:** Do NOT apply by aircraft.

CROP	DISEASE	DOSE	WHP	CRITICAL COMMENTS
Cucurbits	Downy mildew (<i>Pseudoperonospora cubensis</i>)	360 g/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	<p>Maintain a regular protectant spray programme. Apply ACROBAT when conditions favour disease development but before the disease is evident.</p> <p>Apply two consecutive sprays of ACROBAT, 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 to each crop, as a precaution against development of disease resistance.</p> <p>NOTE: In some states, POLYRAM can only be used on cucumbers and not other cucurbits. (Refer to POLYRAM label for full details.)</p>
	Qld and NT only 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>)	<p>Dilute spraying 36 g/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</p> <p>Concentrate spraying Refer to the Application section</p>	28 days	<p>Do NOT use in crops intended for drying. Also see 'CAUTION' section re export commodities.</p> <p>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.</p> <p>Do NOT use in equipment that requires rates greater than 180 mL/100 L (5X). 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 per season, as a precaution against development of disease resistance.</p> <p>Do NOT use a tankmix with POLYRAM on vines in ACT or NT. (Refer to POLYRAM label for full details)</p>
Lettuce	Downy mildew (<i>Bremia lactucae</i>), Anthracnose (<i>Marssonina panattoniana</i>), Septoria leaf spot (<i>Septoria</i> spp.)	360 g/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	<p>Maintain a regular protectant spray programme.</p> <p>Apply when conditions favour disease development but before the disease is evident. Apply two consecutive sprays of ACROBAT, 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.</p> <p>Add a non-ionic surfactant at label rates. Do NOT apply more than 4 sprays of ACROBAT to each crop, as a precaution against development of disease resistance.</p>

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CROP	DISEASE	DOSE	WHP	CRITICAL COMMENTS
Oilseed poppies	Downy mildew (<i>Peronospora arborescens</i>)	360 g/ha plus mancozeb (1.5 kg/ha of mancozeb 800)	6 weeks	Maintain a protective spray programme at early run-up stage of crop growth. Apply ACROBAT 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 to each crop, as a precaution against development of disease resistance.
Onions	Downy mildew (<i>Peronospora destructor</i>), leaf blight	360 g/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, 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 to each crop, as a precaution against development of disease resistance.
	Qld and NT only Purple blotch (<i>Alternaria porri</i>)			
Potatoes	Late blight (<i>Phytophthora infestans</i>), early blight (<i>Alternaria solani</i>)	360 g/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 in 250 to 500 L of water per hectare. Do NOT apply more than 4 sprays of ACROBAT 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, 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.

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