

# CAUTION

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

# ACE<sup>®</sup>

## FOLIAR FUNGICIDE

ACTIVE CONSTITUENT: 250 g/L DIFENOCONAZOLE  
SOLVENTS: 550 g/L LIQUID HYDROCARBON  
100 g/L N-METHYL-2-PYRROLIDONE

GROUP	<b>C</b>	FUNGICIDE
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Controls Target Spot of Potatoes and Tomatoes, Leaf Blight of Carrots, Leaf Spot Diseases of Bananas and Husk Spot on Macadamias.

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

## CONTENTS: 5 LITRES



Crop Care Australasia Pty Ltd, Unit 15/16 Metroplex Avenue, Murarrie Qld 4172

## 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 recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or 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.

## SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length butyl rubber gloves and face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length butyl rubber gloves. 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 13 11 26. If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

## MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet.

## Conditions of sale

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

In an Emergency Dial <b>000</b> Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY <b>1800 033 498</b> ALL HOURS - AUSTRALIA-WIDE
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'Ace' is a registered trademark of Nufarm Australia Limited.



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Tel : (07) 3909 2000

Insert barcode,  
drumMUSTER logo  
and labels codes  
as appropriate

APVMA Approval No. : 60367/5L/0306

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### CONTENTS: 5 LITRES



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## DIRECTIONS FOR USE

### Restraint

DO NOT apply more than 6 applications of this product per season. The effect of ACE could be diminished if rain falls within 2 hours of application.

Crop	Disease Controlled	State	Rate/ha	WHP	Critical Comments
<b>Bananas</b> including bananas interplanted with avocados	Yellow Sigatoka ( <i>Mycosphaerella musicola</i> ), Black Sigatoka ( <i>Mycosphaerella fijiensis</i> )	Qld, NSW & NT only	<b>Ground Application</b> 400 mL + 3 to 5 L of water miscible oil, in a convenient volume of water  <b>Aerial Application</b> 400 mL + 3 to 5 L of a water miscible oil, in a minimum of 30 L of water	1 day	<b>This use is subject to a CropLife Fungicide Resistance Management Strategy.</b> <b>Ground Application:</b> Apply by misting machine or airblast sprayer. Use rates towards the higher end of the range where weather conditions favour diseases or where equipment or terrain does not permit thorough spray coverage of all foliage. <b>NSW, Sth Qld: Ground and aerial application:</b> Commence spraying at the start of the summer rainy season. Apply a maximum of 5 Group C sprays per season. Apply a maximum of 2 consecutive sprays of ACE at 21 to 28 day intervals before applying further treatments of a fungicide from a different activity group. <b>NT, Nth Qld: Ground and aerial applications:</b> Commence spraying at the start of the wet season. Apply a regular schedule of protectant sprays. When the disease potential is high, apply a maximum of 2 consecutive sprays of ACE at 14 to 21 day intervals before applying further treatments of a fungicide from a different activity group. Apply a maximum of 6 ACE (or other Group C) sprays per season. Continue with treatments using an alternative protectant fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply during July, August, September and October.
<b>Carrots</b>	Leaf blight ( <i>Alternaria dauci</i> and <i>Cercospora carotae</i> )	All States	300 mL or 500 mL	7 days	Use in a protectant program commencing before disease occurs. Limit the use of Group C fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of ACE alone. Then apply a recommended non Group C fungicide or tank mix ACE with a recommended protectant fungicide for at least 1 application before continuing with ACE alone. Good crop hygiene will aid disease control.

<b>Macadamia nuts</b>	Husk spot ( <i>Pseudo-cercospora macadamiae</i> )	Qld, NSW & NT only	<b>Dilute spraying</b> 50 mL/100 L water  <b>Concentrate spraying</b> Refer to the Application section	-	Apply by dilute or concentrate spraying equipment. <b>Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.</b> Use in a protectant fungicide program containing fungicides from different chemical groups. Commence fungicide applications at nut set (approximately late September) and continue the fungicide program until late December, with applications at 3 to 4 week intervals. Apply a maximum of 2 applications of ACE per season. Ensure thorough spray coverage. Add Shirwet® 600 Spray Activator Wetting and Spreading Agent at a rate of 10 mL/100 L.
<b>Potatoes</b>	Target spot/ Early blight ( <i>Alternaria solani</i> )	All States	300 mL or 500 mL	7 days	<b>This use is subject to a CropLife Fungicide Resistance Management Strategy.</b> Use in a protectant program commencing when rows meet and before disease occurs. Limit the use of Group C fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of ACE alone. Then apply a recommended non Group C fungicide or tank mix ACE with a recommended protectant fungicide for at least 1 application before continuing with ACE alone. <b>DO NOT</b> apply more than 6 ACE (or other Group C fungicide) sprays in a season. Good crop hygiene will aid disease control. ACE does not control late blight, <i>Phytophthora infestans</i> . If this disease is a problem, mix ACE with an appropriate fungicide for control of this disease and observe the spray interval for that product.

<b>Tomatoes</b>	Target spot ( <i>Alternaria solani</i> )	All States	300 mL or 500 mL	3 days	<p><b>This use is subject to a CropLife Fungicide Resistance Management Strategy.</b></p> <p>Use in a protectant program commencing soon after transplanting. Limit the use of Group C fungicides to periods when conditions favour disease development.</p> <p>Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 day intervals. Apply no more than 2 consecutive sprays of ACE alone. Then apply a recommended non Group C fungicide or tank mix ACE with a recommended protectant fungicide for at least 1 application before continuing with ACE alone. <b>DO NOT</b> apply more than 6 ACE (or other Group C fungicide) sprays in a season.</p> <p>Good crop hygiene will aid disease control.</p>
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**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

#### **WITHHOLDING PERIODS:**

**Bananas: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

**Potatoes, Carrots: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**Tomatoes: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

**Avocados, Macadamias: NOT REQUIRED WHEN USED AS DIRECTED.**

#### **GENERAL INSTRUCTIONS**

##### **Fungicide Resistance Warning**

GROUP	<b>C</b>	FUNGICIDE
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ACE Foliar Fungicide is a member of the DMI group of fungicides. For fungicide resistance management ACE Foliar Fungicide is a Group C fungicide. Some naturally occurring individual fungi resistant to ACE Foliar Fungicide and other Group C 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 ACE Foliar Fungicide or other Group C 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, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of ACE Foliar Fungicide to control resistant fungi.

##### **Mixing**

Add the required amount of ACE directly to the spray tank and mix well.

##### **Application**

Thorough coverage is essential for effective results. For aerial application use 20 to 30 L water/ha. For ground application, use at least 100 L water/ha.

**Macadamia nuts:** Apply by high volume (dilute) sprayer or by concentrate sprayer.

**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 Direction 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 2000 L/ha
2. Your chosen concentrate spray volume: for example 500 L/ha
3. The concentration factor in this example is:  $4 \times$  (ie  $2000 \text{ L} \div 500 \text{ L} = 4$ )
4. If the dilute label rate is 50 mL/100 L, then the concentrate rate becomes  $4 \times 50$ , that is 200 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.

#### Compatibility

This product is compatible with Monitor\*, Nitofol\*, Rogor\*, Saboteur<sup>®</sup>, Supracide\*, Lorsban\*, Pirimor\*, Axe<sup>®</sup>, Dominex\*, Ridomil\* MZ formulations, Bravo\*, Barrack<sup>®</sup>, Sumisclex\*, Fortress<sup>®</sup>, Rovral\*, Corvette<sup>®</sup>, Dithane\* M-45, Kendon High K, urea, EC formulations of synthetic pyrethroids and organophosphate insecticides and formulations of copper oxychloride.

#### PRECAUTIONS

##### Re-entry Period

DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist and butyl rubber gloves. Clothing must be laundered after each day's use.

#### PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied to plants any time.

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

Dangerous to aquatic organisms. DO NOT spray within 5 m downwind of water bodies. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, water bodies or watercourses. DO NOT contaminate dams, waterways or drains with the product or its container.

#### STORAGE AND DISPOSAL

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\* Other trademarks.



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Insert label codes as appropriate
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APVMA Approval No. : 60367/0306