

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

# Motac<sup>®</sup> 500 SC

FUNGICIDE

ACTIVE CONSTITUENT: 500 g/L CARBENDAZIM

GROUP **1** FUNGICIDE

**A broad spectrum, systemic fungicide for the control of fungal diseases  
in various crops as indicated in the Directions for Use table**

## GENERAL INSTRUCTIONS

### MIXING/APPLICATION

SHAKE WELL BEFORE USE. MOTAC<sup>®</sup> is a liquid suspension to be mixed with water for application as a spray. Add the required quantity of MOTAC<sup>®</sup> to a partly filled spray tank and agitate. Complete filling while agitating. Ensure the spray mixture is properly agitated before restarting after stoppage.

### ADDITION OF WETTING AGENT

The addition of a wetting agent eg. Activator\* Surfactant to spray mixture improves the distribution of the spray on hard to wet plants.

### APPLICATION:

#### Dilute Spraying (Tree crops only)

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 runoff. 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 (Tree crops only)

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 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:  
3X (i.e. 1500 L ÷ 500 L = 3)
4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes 3 x 10, that is 30 mL/100 L of concentrate spray. The chosen spray volume, amount of product per 100 L of water, 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.

## FUNGICIDE RESISTANCE WARNING

GROUP **1** FUNGICIDE

MOTAC<sup>®</sup> 500 SC Fungicide is a member of the benzimidazole group of fungicides. For fungicide resistance management MOTAC<sup>®</sup> is a Group 1 fungicide. Some naturally occurring fungal populations resistant to MOTAC<sup>®</sup> and other Group 1 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. The resistant fungi will not be controlled by MOTAC<sup>®</sup> and other Group 1 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, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of MOTAC<sup>®</sup> to control resistant fungi.

## EXPORT OF TREATED PRODUCE

Growers should note that suitable MRLs or import tolerances may not be established in all markets for produce treated with MOTAC<sup>®</sup>. If you are growing produce for export, please check with Sumitomo for the latest information on MRLs and import tolerances BEFORE using MOTAC<sup>®</sup>.

## COMPATIBILITY

MOTAC<sup>®</sup> is compatible with many insecticides and fungicides. However to be sure of compatibility with any particular product check with your local dealer first.

## PRECAUTIONS

Keep away from the foodstuffs.

**Re-entry period: DO NOT** allow entry into treated areas until the spray deposits have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC gloves.

Clothing must be laundered after each day's use.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET CROPS

**DO NOT** apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

## PROTECTION OF LIVESTOCK

MOTAC<sup>®</sup> is of low toxicity to bees.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life with long lasting effects. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

## STORAGE AND DISPOSAL

Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight. Triple-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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. **DO NOT** burn empty containers or product.

## SAFETY DIRECTIONS

**VERY DANGEROUS**, Particularly the concentrate. Poisonous if absorbed by skin contact or inhaled or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin.

**DO NOT** inhale vapour or spray mist.

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length chemical resistant gloves and face shield. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.

## WARNING

Contains Carbendazim which causes birth defects and irreversible male infertility in laboratory animals. Avoid contact with Carbendazim.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) obtained from Sumitomo Chemical Australia Pty Ltd.

## IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

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\* Activator is a registered trademark of Loveland Industries Inc.

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**ADDITIONAL GHS HAZARD STATEMENTS:**  
**May cause genetic defects.**

**In a Transport Emergency**  
**Dial 000**  
**Police or Fire Brigade**

**SPECIALIST ADVICE**  
**IN EMERGENCY ONLY**  
**1800 033 111**  
**ALL HOURS - AUSTRALIA**  
**WIDE**

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## DIRECTIONS FOR USE

### RESTRAINTS

**DO NOT** apply to turf, grapes, cucurbits (including melons), citrus fruit, custard apple, mango, pome fruit (apples or pears) or stone fruit (including cherries).

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENT S
Chickpeas, faba beans, lentils and vetch	Chocolate spot ( <i>Botrytis fabae</i> ), Grey mould ( <i>Botrytis cinerea</i> )	All States	500 mL/ha	4 weeks (H, G)	Apply a maximum of two consecutive sprays at 14 day intervals. Apply a minimum of 100 L of water per hectare.
Macadamia nuts	Macadamia husk spot ( <i>Pseudocercospora</i> spp.)		<b>Dilute spraying:</b> 50 mL plus a wetting agent (at 100 mL/100L). <b>Concentrate spraying:</b> Refer to the Mixing/ Application section	14 days (H) 4 weeks (G)	Apply at 5 and 8 weeks after main flowering – Stage 2 anthesis (white flowering stage). Remove any fallen nuts from under trees prior to spraying. <b>DO NOT</b> make more than 2 applications of MOTAC® per season.

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

### WITHHOLDING PERIOD

#### MACADAMIA NUTS:

**DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**

**DO NOT ALLOW LIVESTOCK TO GRAZE VEGETATION IN TREATED PLANTATIONS FOR 4 WEEKS AFTER APPLICATION**

**DO NOT CUT VEGETATION IN TREATED PLANTATIONS FOR STOCK FEED FOR 4 WEEKS AFTER APPLICATION**

#### CHICKPEAS, FABA BEANS, LENTILS AND VETCH:

**DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION**

**DO NOT GRAZE OR CUT FOR STOCKFEED FOR 4 WEEKS AFTER APPLICATION**