

CAUTION

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

Difen 500 SC

MITICIDE/INSECTICIDE

ACTIVE CONSTITUENT: 500 g/L DIAFENTHIURON

GROUP **12B** INSECTICIDE

Controls Two-spotted Mite and Cotton Aphids in Cotton.
READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval Number: 68019/57283

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DIRECTIONS FOR USE

NOTE: The effect of this product could be diminished if rain falls within 6 hours of application.

RESTRAINT: If applying 2 sprays they must not be consecutive or applied within 6 weeks of each other.

Crop	Pest	Rate/ha	Critical Comments
Cotton (Qld, NSW, NT, WA only)	Two-spotted mite (<i>Tetranychus urticae</i>), Cotton aphid (<i>Aphis gossypii</i>)	600 or 800 mL	Mites: Apply before mite damage occurs or when 30% of plant leaves are infested. Alternatively apply when 15% of plants are infested and the rate of increase is such that 30% of plants are likely to be infested within 7 to 10 days. Treatment at higher infestation levels may lead to unsatisfactory results. When sampling for mites follow the current CSIRO sampling method. Aphids: Apply before aphid damage occurs. A repeat application can be made, if required, provided this is in keeping with resistance management guidelines. Only use the lower rate when application is by ground based equipment. Thorough spray coverage is essential. Ground application should involve the use of droppers with nozzles pointing upwards to ensure adequate deposits on the underside of leaves. Apply eChem Diafenthiuron 500 SC Miticide/Insecticide under a pest management program that includes regular crop checking.

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

WITHHOLDING PERIOD:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

DO NOT FEED TREATED COTTON FODDER OR COTTON TRASH TO LIVESTOCK.

GENERAL INSTRUCTIONS

MIXING

Add the required amount of eChem Diafenthiuron 500 SC Miticide/Insecticide to clean water in half filled spray tank with the agitator or by-pass in operation. Maintain agitation while filling tank with remainder of water. Agitation must also be maintained throughout the spray operation.

APPLICATION

To be effective eChem Diafenthiuron 500 SC Miticide/Insecticide requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume.

Ground Application: Apply in a minimum of 100 L of water/ha. The use of hollow cone nozzles and droppers is recommended.

Aerial Application: Apply in a minimum of 20 L of water/ha, with a minimum VMD of 130 µm. eChem Diafenthiuron 500 SC Miticide/Insecticide should not be applied when wind speeds are below 1 m/s or exceed 4 m/s. Application of eChem Diafenthiuron 500 SC Miticide/Insecticide should be avoided when temperatures exceed 30°C when conditions are unstable.

COMPATIBILITY

As formulations of other manufacturer's products are beyond the control of eChem (Australia) Pty Ltd, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

INSECTICIDE RESISTANCE WARNING

GROUP 12B INSECTICIDE

For insecticide resistance management, eChem Diafenthiuron 500 SC Miticide/Insecticide is a Group 12B Insecticide. Some naturally occurring insect biotypes resistant to eChem Diafenthiuron 500 SC Miticide/Insecticide and other Group 12B Insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if eChem Diafenthiuron 500 SC Miticide/Insecticide or other Group 12B Insecticides are used repeatedly. The effectiveness of eChem Diafenthiuron 500 SC Miticide/Insecticide on resistant individuals could be significantly reduced.

Since occurrence of resistant individuals is difficult to detect prior to use, eChem (Australia) Pty Ltd accepts no liability for any losses that may result from the failure of eChem Diafenthiuron 500 SC Miticide/Insecticide to control resistant insects. eChem Diafenthiuron 500 SC Miticide/Insecticide may be subject to specific resistance management strategies. For further information

contact your supplier, eChem Crop Protection representative or local agricultural department agronomist.

PRECAUTIONS

Manual flagging is not permitted during aerial spraying of eChem Diafenthiuron 500 SC Miticide/Insecticide.

Re-entry Period

DO NOT allow entry into treated areas for 24 hours after treatment. When prior entry is necessary, limit duration of entry and wear cotton overalls buttoned to the neck and wrists, and elbow-length PVC gloves. Clothing must be washed after each day's use.

Cotton chippers: DO NOT allow entry into treated areas for 24 hours after treatment. When entering treated areas between 24 to 72 hours after treatment, wear cotton overalls buttoned to the neck and wrists (or equivalent clothing) and gloves. Clothing must be washed after each day's use.

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 the 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

Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale mist. When opening the container, preparing the spray and using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist;
- a washable hat; and
- elbow length PVC 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. Telephone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS) which is available from the supplier.

CONDITIONS OF SALE

eChem (Australia) Pty Ltd, accepts responsibility for the consistent quality of the product however since the use and application of the product is beyond control, the company accepts no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.