

# CAUTION

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

# Receptor®

## Insecticide

ACTIVE CONSTITUENT: **500 g/L DIAFENTHIURON**

**GROUP 12A INSECTICIDE**

Controls two-spotted mite and cotton aphids and suppresses silverleaf whitefly in cotton. Controls red-legged earth mite and suppresses lucerne flea in canola



Formulation type  
Suspension Concentrate **SC**

adama.com

CONTENTS: 20 L - 1000 L

### DIRECTIONS FOR USE

#### RESTRAINTS

DO NOT reapply to the same crop within 6 weeks or as a consecutive treatment.  
DO NOT apply if rainfall is expected within 6 hours of application.

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton (Qld, NSW, NT, WA only)	Two-spotted mite ( <i>Tetranychus urticae</i> ), Cotton aphid ( <i>Aphis gossypii</i> ), <b>Suppression of Silverleaf whitefly</b> ( <i>Bemisia tabaci</i> )	600 or 800 mL/ha	<b>Mites:</b> 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. <b>Aphids:</b> 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 RECEPTOR® under a pest management program that includes regular crop checking. <b>Silverleaf Whitefly:</b> Apply when population densities are still at low to moderate levels (10 to 20% of leaves infested). Suppression may not be satisfactory once population densities exceed 25% infestation, or when high numbers of adults are invading from nearby fields.
Canola	Red-legged earth mite ( <i>Halotydeus destructor</i> )	400 or 600 mL/ha	Begin applications from cotyledon stage when action thresholds are reached. Use the higher rate under heavy mite infestations and/or where conditions favour rapid pest development. The higher rate may also provide a longer period of control under conditions of moderate pest pressure. Thorough coverage is essential: Ensure water volume and spray quality is adequate to thoroughly cover all parts of the crop. Continue to monitor crops and make further insecticide applications as necessary. DO NOT apply more than 2 applications in any one crop. For best results, RECEPTOR® should be used as part of an integrated pest management program incorporating cultural practices, farm hygiene, seed treatments and rotation of miticides with different modes of action.
	<b>Suppression of Lucerne flea</b> ( <i>Sminthurus viridis</i> )	300 mL/ha	Begin applications from cotyledon stage when action thresholds are reached. Thorough coverage is essential: Ensure water volume and spray quality is adequate to thoroughly cover all parts of the crop. Continue to monitor crops and make further insecticide applications as necessary. DO NOT apply more than 2 applications in any one crop.

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

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

## WITHHOLDING PERIODS

### Canola

#### HARVEST:

**DO NOT HARVEST FOR 11 WEEKS AFTER APPLICATION.**

#### GRAZING:

**DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 21 DAYS AFTER APPLICATION.**

### Cotton

#### HARVEST:

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

#### GRAZING:

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

## GENERAL INSTRUCTIONS

### MIXING

DO NOT use in open mixing and loading systems. Add the required amount of RECEPTOR® 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 RECEPTOR® 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 are recommended.

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

## COMPATIBILITY

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

## INSECTICIDE RESISTANCE WARNING

For insecticide resistance management RECEPTOR® is a Group 12A insecticide.

GROUP **12A** INSECTICIDE

Some naturally occurring insect biotypes resistant to RECEPTOR® and other Group 12A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if RECEPTOR® and other Group 12A insecticides are used repeatedly. The effectiveness of RECEPTOR® on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Adama Australia Pty Limited accepts no liability for any losses that may result from failure of RECEPTOR® to control resistant insects. RECEPTOR® may be subject to specific resistance management strategies. For further information contact your supplier, Adama Australia representative or local agricultural department agronomist. RECEPTOR® should only be used whilst following the guidelines of the current Insecticide Resistance Management Strategy (IRMS) and cotton Best Management Practices (BMP) Manual.

## PRECAUTIONS

Manual flagging is not permitted during aerial spraying of RECEPTOR®.

### 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.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very dangerous to fish and crustaceans. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. For aerial application, DO NOT apply under weather conditions that may cause spray to drift onto open bodies of water. When passing over water bodies ensure boom spray is turned off. A spray drift minimisation strategy should be employed at all times when aerially applying spray to, or near, sensitive areas. The strategy envisaged is exemplified by the cotton industry's Best Management Practice Manual.

## PROTECTION OF LIVESTOCK – BEES

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

## STORAGE AND DISPOSAL

**For non-refillable containers:** 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 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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury 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 Local, State or Territory government regulations. DO NOT burn empty containers or product.

**For refillable containers:** Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close valves and return to point of supply for refill and storage.

## SAFETY DIRECTIONS

Harmful if swallowed or inhaled. Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container, mixing and loading and using the prepared spray wear:

- cotton overalls, over normal clothing, 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. Phone 131 126.

## SDS

If additional hazard information is required refer to the Safety Data Sheet. A safety data sheet for RECEPTOR® is available from adama.com or call Customer Service on 1800 423 262.

**CONDITIONS OF SALE:** The use of RECEPTOR® being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia regarding its suitability, fitness or efficiency for any purposes for which it is used by the buyer, whether in accordance with the Directions for Use or not. Adama Australia no responsibility for any consequence whatsoever resulting from the use of this product.

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