



CAUTION

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

FARMALINX

Detonate 500

MITICIDE/INSECTICIDE

ACTIVE CONSTITUENT: 500 g/L DIAFENTHIURON

GROUP **12A** INSECTICIDE

Controls Two-spotted Mite and Cotton Aphids and suppresses Silverleaf Whitefly in Cotton.

farmalinx *Partners in Agriculture*

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FARMALINX

Detonate 500

MITICIDE/INSECTICIDE

DIRECTIONS FOR USE

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

RESTRAINTS

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

CROP	PEST	RATE/ha	CRITICAL COMMENTS
Cotton (Old, NSW, NT, WA only)	Two-spotted mite (<i>Tetranychus urticae</i>), Cotton aphid (<i>Aphis gossypii</i>) Suppression of Silverleaf Whitefly (<i>Bemisia argentifolii</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 DETONATE 500 under a pest management program that includes regular crop checking. Silverleaf Whitefly: 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.

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

Note:

GENERAL INSTRUCTIONS

Mixing: DO NOT use in open mixing and loading systems. Add the required amount of DETONATE 500 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 DETONATE 500 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. DETONATE 500 should not be applied when wind speeds are below 1 m/s or exceed 4 m/s. Application of DETONATE 500 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 Farmalinx, 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 FARMALINX **GROUP 12A INSECTICIDE** DETONATE 500 Miticide/Insecticide is a Group 12A insecticide. Some naturally occurring insect biotypes

resistant to DETONATE 500 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 DETONATE 500 and other Group 12A insecticides are used repeatedly. The effectiveness of DETONATE 500 on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Farmalinx Pty Limited accepts no liability for any losses that may result from failure of DETONATE 500 to control resistant insects. DETONATE 500 may be subject to specific resistance management strategies. For further information contact your supplier, Farmalinx representative or local agricultural department agronomist.

DETONATE 500 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 DETONATE 500.

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

STORAGE AND DISPOSAL: Store in the closed, original container in a dry, 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 deliver empty packaging for appropriate disposal 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.

For refillable containers, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS: Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray 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. Phone Australia 131126.

MSDS: Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for FARMALINX DETONATE 500 Miticide/Insecticide is available from Farmalinx Pty Ltd on request. Call Customer Service on 02 9389 2455.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. No warranty (other than non-excludable statutory warranties) of merchantability or fitness for a particular purpose, express or implied, extends to the use of product contrary to label instructions, or under off-label permits not endorsed by Farmalinx Pty Ltd or under abnormal conditions. Farmalinx Pty Ltd accepts no liability for any loss or damage arising from incorrect storage, handling or use.



IN A TRANSPORT
EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE

SPECIALIST ADVICE IN AN EMERGENCY ONLY

0408 600 295

ALL HOURS – AUSTRALIA WIDE



Batch No.

Date of Manufacture

20 L

APVMA Approval No.: 69334/60519

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