

CAUTION

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

Lascar[®]

Insect Growth Regulator

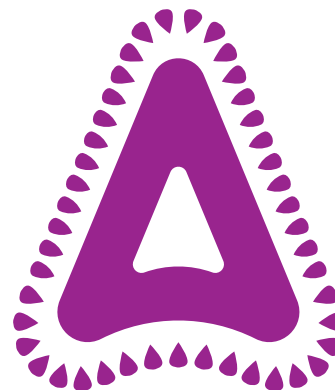
ACTIVE CONSTITUENT: **100 g/L PYRIPROXYFEN**

SOLVENT: 720 g/L LIQUID HYDROCARBONS

GROUP **7C** INSECTICIDE

Crops: Capsicum, Citrus, Cotton, Mango, Olives, Rockmelon, Tomato

Controls: Greenhouse Whitefly, Silverleaf Whitefly (*Bemisia tabaci* Biotype B) and various Scale as per the Directions For Use



ADAMA

Formulation type

Emulsifiable
Concentrate

EC

adama.com

CONTENTS: 500 mL to 200 L

DIRECTIONS FOR USE:

RESTRAINTS

DO NOT apply if rainfall that is likely to produce runoff is forecast within 48 hours.

DO NOT apply to soils where surface water is evident.

DO NOT apply LASCAR[®] more than twice per growing season. LASCAR[®] should be alternated with other suitable products, the choice of which will depend on the need to maintain beneficial insects in the field or orchard.

CROP	PEST	RATE	CRITICAL COMMENTS
Cotton	Silverleaf Whitefly (<i>Bemisia tabaci</i> Biotype B)	500 mL/ha	Ensure thorough coverage (See APPLICATION). Apply when industry recommended thresholds of silverleaf whitefly (SLW) are exceeded. If a second spray is required, a minimum re-treatment interval of two weeks must be observed. DO NOT apply more than twice in any one season. Apply as per current Cotton Industry Insecticide Resistance Management Strategy.
Rockmelon, Tomato, Capsicum (field and greenhouse)	Silverleaf Whitefly (<i>Bemisia tabaci</i> Biotype B), Greenhouse Whitefly (<i>Trialeurodes vaporariorum</i>)		Ensure thorough coverage (See APPLICATION). Apply in 100 - 150 L water per hectare. Use high water volume 500 - 1000 L/ha for dense crops. If applying more than 1000 L/ha use a rate of 50 mL/100 L water. Apply at first appearance of whitefly. If a second spray is required, a minimum re-treatment interval of two weeks must be observed. DO NOT apply more than twice in any one season. To avoid the resistance build-up, the product must be rotated with other approved products. Apply in accordance with the SLW Resistance Management Strategy.
Citrus	Red Scale (<i>Aonidiella aurantii</i>), Black Scale (<i>Saissetia oleae</i>)	50 mL/100 L water	Ensure thorough coverage (See APPLICATION). Red Scale: Apply at the time of crawler release. There are usually multiple periods of crawler release from spring through to autumn. Ideally LASCAR [®] should be applied to control the first generation but if the infestation persists and there is significant crawler release later in the season then LASCAR [®] can be applied again. DO NOT apply more than twice in any one season on tree crops. Black Scale: Apply at the time of crawler release which is usually December to January but also may occur in autumn. DO NOT apply more than twice in any one season.

CROP	PEST	RATE	CRITICAL COMMENTS
Mango	Mango Scale (<i>Aulacaspis tubercularis</i>), Pink Wax Scale (<i>Ceroplastes rubens</i>)	50 mL/100 L water	<p>Ensure thorough coverage (See APPLICATION).</p> <p>Black Scale: Apply at the time of crawler release which is usually December to January but also may occur in autumn. DO NOT apply more than twice in any one season.</p> <p>Mango Scale: Apply at the time of crawler release. There are usually multiple periods of crawler release from spring through to autumn. Ideally LASCAR® should be applied to control the first generation but if the infestation persists and there is significant crawler release later in the season then LASCAR® can be applied again. DO NOT apply more than twice in any one season.</p> <p>Pink Wax Scale: Apply at the time of crawler release in early spring to early summer. There are usually two periods of crawler release in Queensland, with crawlers of the second generation emerging in mid summer to mid autumn. Ideally LASCAR® should be applied to control the first generation but if the infestation persists and there is significant second generation crawler release then LASCAR® can be applied again. DO NOT apply more than twice in any one season.</p>
Olives	Black Scale (<i>Saissetia oleae</i>)		

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

WITHHOLDING PERIODS

COTTON:

**DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.
DO NOT GRAZE TREATED CROP OR CUT FOR STOCK FEED.
DO NOT FEED TREATED COTTON TRASH TO LIVESTOCK.**

ROCKMELON, TOMATO AND CAPSICUM:

**DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.
DO NOT GRAZE TREATED CROP FOR STOCKFEED.**

CITRUS:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

OLIVES:

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

DO NOT FEED TREATED OLIVE CROPS OR BY-PRODUCTS OF TREATED CROPS (E.G. OLIVE POMACE) TO LIVESTOCK.

MANGOES:

DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

TRADE ADVICE INFORMATION

Treated citrus fruit, mangoes, melons, tomatoes and olives destined for export may require extra time being allowed between application and harvest, to be accepted in some export markets. Before you use this product, you are advised to contact Adama Australia and/or your industry body about any potential trade issues and their management.

GENERAL INSTRUCTIONS

LASCAR® acts by suppressing embryogenesis with the insect egg and by inhibiting metamorphosis and adult emergence of target insects. LASCAR® has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

MIXING

Measure the required amount of LASCAR®, add to the partly filled spray tank and then add the remainder of the water.

APPLICATION

Cotton:

Ensure thorough coverage. Apply in 100 – 150 L water/ha (ground rig boom spray) OR 20 – 30 L water/ha (aerial). Ground application must be first option undertaken, aerial application may only be applied in cases where canopy closure prevents ground access. Apply when industry recommended thresholds of silverleaf whitefly (SLW) are exceeded.

DO NOT apply more than two applications per crop.

DO NOT apply consecutive applications, apply the product as part of a SLW management strategy with other approved chemistry for SLW in particular a non-Insect Growth Regulator (IGR) product. The minimum re-treatment interval permitted between the first and second LASCAR® spray is 14 days.

A strategy to minimize spray drift should be employed at all times when aerially applying sprays to, or near, sensitive areas. Such a strategy is illustrated by the cotton industry's Best Management Practice Manual.

Rockmelon, Tomato and Capsicum:

Ensure thorough coverage. Apply by foliar spray with ground rig in 100 – 150 L water per hectare. Use high water volume 500 – 1000 L/ha for dense crops. If applying more than 1000 L/ha use a rate of 50 mL/100 L water. Apply when whiteflies first appear. DO NOT apply more than two applications per crop. DO NOT apply consecutive applications, apply the

product as part of a silverleaf whitefly (SLW) management strategy with other approved chemistry for SLW in particular a non-Insect Growth Regulator (IGR) product. The minimum re-treatment interval permitted between the first and second LASCAR® spray is 14 days. Apply in accordance with the SLW Resistance Management Strategy.

Citrus, Mangoes and Olives:

It is essential to apply in sufficient water to ensure thorough coverage. For young trees this will be approximately 1000 L/ha. DO NOT apply less than 1000 L/ha to bearing trees.

CLEANING SPRAY EQUIPMENT

After using LASCAR® IGR empty the tank and completely drain the system. Rinse the tank, pump, lines, hoses, filters and nozzles by circulating clean water through the system. Drain and repeat the rinsing procedure twice.

PRECAUTIONS

DO NOT apply using spray equipment carried on the back of the user.

Re-entry Period:

DO NOT allow re-entry into treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

INSECTICIDE RESISTANCE WARNING

GROUP **7C** INSECTICIDE

For insecticide resistance management LASCAR® is a Group 7C insecticide.

Some naturally occurring insect biotypes resistant to LASCAR® and other Group 7C insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if LASCAR® or other Group 7C insecticides are used repeatedly. The effectiveness of LASCAR® on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Adama Australia accepts no liability for any losses that may result from the failure of LASCAR® to control resistant insects.

LASCAR® may be subject to specific resistance strategies. For further information contact your local supplier, Adama Australia representative or local department of agriculture agronomist.

To ensure LASCAR® remains effective DO NOT use more than twice per season.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very highly toxic to aquatic organisms. DO NOT contaminate streams, rivers, waterways or dams with the chemical or used container. DO NOT apply if waterbodies, watercourses or wetlands are within 50 m downwind of the application area for tree crops when applied by ground equipment.

DO NOT apply under weather conditions, or from spraying equipment, that may cause off-target spray drift, particularly to wetlands, waterbodies or watercourses.

DO NOT spray across open bodies of water.

DO NOT apply by air to crops other than cotton.

DO NOT apply if waterbodies, watercourses or wetlands are within 200 m downwind of the application area for cotton where applied aerially.

For aerial application ensure a spray with a droplet size distribution of ASAE Fine (VMD 179 µm) or larger is used.

A strategy to minimise spray drift should be employed at all times when aerially applying sprays to, or near, sensitive areas. Such a strategy is illustrated by the cotton industry's Best Management Practice Manual.

STORAGE AND DISPOSAL

500mL:

Store in the closed, original container in a dry, cool, well-ventilated area out of 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.

1-100 L, 200 L:

Store in the close, 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. This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling

at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

110 L Micro Matic Valve:

Store the original sealed container in a cool well-ventilated area. Do not store for prolonged periods in direct sunlight. Do not tamper with the Micro Matic valve or the security seal. Do not contaminate the container with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the container have been used, please return to the point of purchase. The container remains the property of Adama Australia.

SAFETY DIRECTIONS

Product is harmful if inhaled or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour. When opening the container and preparing spray, and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, face shield and goggles and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for LASCAR® is available from adama.com on request or Call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of LASCAR® Insect Growth Regulator 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 accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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**UN No. 3082
ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.
PACKING GROUP III
HAZCHEM 3Z**

Combustible liquid.

In case of fire, use carbon dioxide, dry chemical, foam, water fog. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.

May be fatal if swallowed and enters airways.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

APVMA Approval No.: 68692/105185

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