

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# Venturi<sup>®</sup> MAX

Insecticide

ACTIVE CONSTITUENT: **480 g/L METHOXYFENOZIDE**

GROUP

**18**

INSECTICIDE

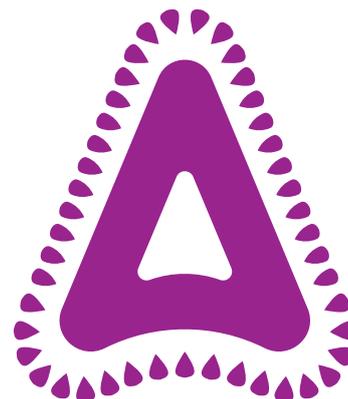
**Crops:** Almonds, Avocado, Apples & Pears (pome fruit), Blueberries, Citrus, Coffee, Custard apple, Eggplant, Grapevines, Kiwifruit, Longan, Lychee, Peppers (capsicum and chilli), Persimmons, Okra, Macadamia and Tomatoes.

**Controls:** Avocado leafroller, Carob moth, Cluster caterpillar, Lightbrown apple moth, Leaf roller, Loopers, Macadamia flower caterpillar, Macadamia nut borer, Native budworm, Orange fruitborer, Tomato grub and Yellow peach moth.

Formulation type

Suspension  
Concentrate

**SC**



**ADAMA**

adama.com

CONTENTS: 500 mL – 1000 L

## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply if rain or overhead irrigation is expected within 6 hours. Retain the first flush of irrigation tailwater/storm water in the tailwater dam after application.

DO NOT use more than 3 sprays per season in any single crop.

DO NOT use in covered or protected situations such as glasshouses, greenhouses, shade houses or plastic tunnels.

DO NOT apply by air.

DO NOT apply more than three times to any Almond crop.

DO NOT apply more than once at the hull split stage.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift)

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application.

Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom unless the following requirements are met:

- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom or vertical sprayers') are observed.

DO NOT apply by a vertical sprayer unless the following requirements are met:

- spray is not directed above the target canopy
- the outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom and vertical sprayers') are observed.

## Buffer zones for boom or vertical sprayers

Crop	Mandatory downwind buffer zones
	Livestock areas
Grapes, Blueberries and Coffee	5 metres
Tomato, Peppers, Eggplants and Okra	15 metres

## USE ON TREE AND VINE CROPS

In the following table, all rates given are for dilute spraying. For concentrate spraying, refer to the MIXING/APPLICATION section. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, DO NOT use at rates greater than 5 times the dilute spraying rate.

CROP	PEST	RATE/100 L	CRITICAL COMMENTS
Almonds	Carob moth (1 <sup>st</sup> generation)	40 mL + Wetter	Practice good orchard hygiene with the removal of mummified fruit in winter. <b>Early post-flower application:</b> At the beginning of the season (Aug-Sept), carefully monitor pheromone traps for peak adult pest incidence of 1 <sup>st</sup> generation. Once regular field scouting indicates egg laying and newly hatched larvae apply a maximum of 3 sprays of VENTURI® MAX at a minimum of 10 day intervals between sprays. Apply to complete coverage. Refer to WETTING AGENTS in the GENERAL INSTRUCTIONS section for more information
	Carob moth (2 <sup>nd</sup> generation)		<b>Hull-split application:</b> VENTURI® MAX should be applied at the start of hull split (2 – 5% of the almond hull sutures open). Carefully monitor pheromone traps for peak activity of 2 <sup>nd</sup> generation moths. Continue field scouting for egg-laying activity and apply VENTURI® MAX to coincide with the initiation of egg hatch. Apply to ensure complete coverage of all foliage and fruit (hull/shell) surfaces. Concentrate spraying is not appropriate for this pest. Do not apply less than 2000 L/ha water.
Apples and Pears (and other pome fruit)	Lightbrown apple moth	12.5 mL	For control of the <b>spring generation</b> of lightbrown apple moth, commence spraying at petal fall and apply in a series of 3 applications at 14 day intervals. Alternatively, in areas where a later <b>summer generation</b> occurs, spray when moth activity is indicated by pheromone traps or lure pots. Apply a minimum of 2 sprays with a 21 day interval. Ensure thorough coverage of developing fruit clusters. When insect pressure is high in blocks with large, vase-shaped trees and with short-stemmed, bunchy varieties, VENTURI® MAX must be applied by dilute spraying to ensure run-off into fruit clusters.
	Loopers		Control of these pests is best achieved using a schedule of 3 sprays of VENTURI® MAX in spring (see above).
Avocado	Avocado leafroller	12.5 mL	Crop monitoring is recommended from pre-bloom. Apply at first sign of pest incidence and target eggs and newly hatched larvae. Additional sprays may be required if re-infestation occurs.
Blueberry	Lightbrown apple moth	12.5 mL	Thorough coverage of the plant is essential. Target eggs and newly hatched larvae. Apply when locally determined thresholds are exceeded.
Citrus	Lightbrown apple moth	12.5 mL + a wetting agent at 10 mL/100 L	Use with high volume spraying equipment only. Thorough coverage is essential. Spray to runoff. Apply when eggs and very small larvae are first seen in flower clusters or developing fruitlets. A second spray may be required 2-3 weeks later if larvae hatch over an extended period.
Coffee	Avocado leafroller	12.5 mL	Crop monitoring for pest incidence is recommended from pre-bloom. Apply at first sign of pest incidence, targeting eggs and very small larvae before they are protected in retreats. Additional sprays may be required if re-infestation occurs.
Custard apple	Yellow peach moth	12.5 mL	Apply when locally determined pest thresholds are exceeded as indicated by field checks. Additional sprays may be required if re-infestation occurs. Spray to thoroughly cover the fruit.
Grapevines	Lightbrown apple moth	12.5 mL	Thorough leaf tip and bunch coverage is essential. <b>Spring generation:</b> Apply from pre-flowering onwards targeting eggs and small (5-6 mm long) larvae (up to 3 <sup>rd</sup> instar). Apply a second spray 14 - 21 days later. <b>Summer generation:</b> Apply at first sign of activity targeting eggs and larvae up to 5-6 mm long (up to 3 <sup>rd</sup> instar). The summer generation can only be detected by monitoring.
Kiwi Fruit	Lightbrown apple moth	12.5 mL	Monitor pest activity from bud burst onwards. Target sprays at eggs and first instar larvae.
Longan	Macadamia nut borer	20 mL	Spray thoroughly when pest numbers reach economic threshold levels according to field checks. Target sprays against eggs and early instar larvae.
Lychee			

In the following table, all rates given are for dilute spraying. For concentrate spraying, refer to the MIXING/APPLICATION section. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. For concentrate spraying, DO NOT use at rates greater than 5 times the dilute spraying rate.

CROP	PEST	RATE/100 L	CRITICAL COMMENTS
Macadamia	Macadamia flower caterpillar	12.5 mL	Monitor for eggs and very small larvae on flowers and apply at a threshold of 50-80% of racemes infested.
	Macadamia nut borer	20 mL	Spray to thoroughly cover nuts when pest numbers reach economic threshold levels according to field checks. Target sprays against eggs and early instar larvae.
Persimmons	Leaf roller, Yellow peach moth, Lightbrown apple moth, Orange fruitborer	12.5 mL	Monitor crop and commence applications once eggs and newly hatched larvae are present. Apply when locally determined thresholds are exceeded. Additional sprays may be required if re-infestation occurs. Re-apply at 2 to 3 week interval if necessary. Ensure through coverage of the crop.

#### NON-TREE AND VINE CROPS

NOTE: VENTURI® MAX is a moult-accelerating insecticide that requires ingestion for control. Feeding ceases almost immediately after ingestion. Larvae in protected feeding sites (e.g. flowers) will not be controlled. Mortality of larvae will not be evident until 4-6 days after application.

CROP	PEST	RATE	CRITICAL COMMENTS.
Tomatoes, Peppers (Capsicum and Chilli), Eggplant and Okra	Native budworm, Tomato grub, Cluster caterpillar	63 or 85 mL/100 L or 625 or 850 mL/ha	Use the higher rate under heavy egg pressure. Apply VENTURI® MAX to brown eggs or at egg hatch when pest numbers reach treatment threshold levels as determined by field checks. Maintain field checks and reapply after 7 days if necessary. Ensure thorough coverage of plants.

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

#### WITHHOLDING PERIODS

##### HARVEST

**Almond, Blueberry, Persimmons:**

**DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

**Avocado, Coffee, Custard Apple, Kiwifruit, Lychee and Pome Fruit:**

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

**Citrus fruits: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

**Grapes (for domestic consumption):**

**DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.**

**Grapes (for export or wine production):**

**Consult your winery, industry spray diary or peak industry body for the recommended withholding period (export harvest interval) required to meet export residue requirements.**

**Longan: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

**Macadamia: DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION.**

**Tomato, Peppers (Capsicum and Chilli), Eggplant and Okra:**

**NOT REQUIRED WHEN USED AS DIRECTED.**

#### GRAZING

**Almonds, Avocado, Blueberries, Citrus fruits, Coffee, Custard Apple, Eggplant, Grapes, Kiwifruit, Longan, Lychee, Macadamia, Okra, Peppers (Capsicum and Chilli), Persimmons, Pome Fruit and Tomato:**

**DO NOT GRAZE TREATED CROPS.**

**DO NOT ALLOW LIVESTOCK TO GRAZE WITHIN TREATED ORCHARDS, PLANTATIONS OR VINEYARDS.**

#### Trade Advice:

NOTE – CROPS INTENDED FOR EXPORT: VENTURI® MAX may leave detectable chemical residues in harvested produce. Overseas markets may not have appropriate residue tolerances in place or may have established tolerances which are lower than Australian maximum residue limits. Some crops for export to these destinations may require a longer harvest withholding period. If you plan to use this product on crops destined for export, please check with your exporter before using VENTURI® MAX.

#### INSECTICIDE RESISTANCE WARNING

For insecticide resistance management, VENTURI® MAX Insecticide is a Group 18 insecticide. Some naturally occurring insect biotypes resistant to VENTURI® MAX and other Group 18 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if VENTURI® MAX and other Group 18 insecticides are used repeatedly. The effectiveness of VENTURI® MAX on resistant individuals could be significantly reduced. Since 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 VENTURI® MAX to control resistant insects. VENTURI® MAX may be subject to specific resistance management strategies. For further information contact your local supplier, Adama Australia representative or local agricultural department agronomist.

GROUP	<b>18</b>	INSECTICIDE
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#### GENERAL INSTRUCTIONS

VENTURI® MAX is very suitable for use in orchards and vineyards using integrated pest management (IPM) programs.

#### MIXING

Prior to pouring, ensure the contents are well mixed, then add the required quantity of VENTURI® MAX to water in the spray vat while stirring or with agitators in motion.

#### WETTING AGENTS

Where recommended, apply with Agral\* Spray adjuvant, Wetspray® 1000 or equivalent formulation. Not all surfactants or crop oils are of equal quality. Adama Australia does not support the use of alternative products other than those listed above.

#### DILUTE SPRAYING

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 run-off. 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. The required dilute spray volume will change and the sprayer set up and operation may also need to be changes as the crop grows.

## CONCENTRATE SPRAYING

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 then 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.  $1500\text{ L} \div 500\text{ L} = 3$ )
4. If the dilute label rate is 12.5 mL/100 L, then the concentrate rate becomes  $3 \times 12.5$ , that is; 37.5 mL/100 L of concentrate spray.

The chosen spray volume and the sprayer set up and operation may need to be changed as the crop grows.

DO NOT use a concentrate rate higher than that specified in the CRITICAL COMMENTS. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

## COMPATIBILITY

VENTURI® MAX is incompatible with mineral spray oils. DO NOT mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Adama Australia, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Adama Australia cannot be responsible for the behaviour of such mixtures.

## PRECAUTIONS

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

### Re-entry

DO NOT enter treated areas until the spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

## PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied on plants at any time. Keep livestock out of operational areas during treatment. Avoid spray drift onto adjoining properties or stock areas.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life with long lasting effects.

DO NOT spray across open bodies of water.

DO NOT contaminate wetlands or watercourses with this product or used containers.

## STORAGE AND DISPOSAL

### All containers:

Keep out of reach of children. Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near food, feedstuffs, fertilisers or seed.

### 500 mL and 1 L Container

Triple rinse containers before disposal. Dispose of rinsate by adding 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 for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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.

### 5 L, 10 L and 20 L Container

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 to the spray tank. Do not dispose of undiluted chemicals 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. 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 500mm 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.

### Returnable mini-bulk container with Micro Matic Valve (110 L)

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 the container to the point of purchase. The container remains the property of Adama Australia.

### 1000 L

Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Adama Australia should be advised immediately. The container is reusable and remains the property of Adama Australia. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to Adama Australia for cleaning, relabelling and refilling.

## SPILL AND LEAK MANAGEMENT

Do not touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains.

Small spills/leaks: Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to Adama Australia on (02) 9431 7800.

## SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

## FIRST AID

First aid is not generally required. If in doubt, contact a Poisons Information Centre (phone Australia 13 11 26) or a doctor.

## SDS:

Additional information is listed in the safety data sheet (SDS). A safety data sheet for VENTURI® MAX is available from Adama.com or call Customer Service on 1800 423 262.

**CONDITIONS OF SALE:** The use of VENTURI® MAX Insecticide 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 purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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