

# POISON

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



ACTIVE CONSTITUENT: 240 g/L METHOXYFENOZIDE

GROUP **18** INSECTICIDE

For the control of lightbrown apple moth on apples & pears (pome fruit), blueberries, citrus, grapevines and kiwifruit; and for the control of various other lepidopteran pests of almonds, apples & pears (pome fruit), avocado, coffee, custard apple, eggplant, longan, lychee, peppers (capsicum and chilli), okra, macadamia and tomatoes - as per the Directions for Use table.

**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.

**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 LITRES	Critical Comments
Almonds	Carob Moth (1st generation)	80 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-Sep), carefully monitor pheromone traps for peak adult pest incidence of 1st generation. Once regular field scouting indicates egg laying and newly hatched larvae apply a maximum of 3 sprays of Peregrine Insecticide 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 (2nd generation)		<b>Hull-split application:</b> Peregrine Insecticide 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 2nd generation moths. Continue field scouting for egg-laying activity, and apply Peregrine Insecticide 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	25 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 summer generation 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, Peregrine Insecticide 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 Peregrine Insecticide in spring (see above).
Avocado	Avocado leafroller	25 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	25 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	25 mL + a wetting agent at 10 mL/100 L	<b>Use with high volume spraying equipment only.</b> 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	25 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	25 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 fruit.
Grape Vines	Lightbrown Apple Moth	25 mL	Thorough leaf tip and bunch coverage is essential. <b>Spring generation:</b> Apply from pre-flowering onwards targeting eggs and small (5-6mm long) larvae (up to 3rd 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 5-6mm long (up to 3rd instar). The summer generation can only be detected by monitoring.
Kiwifruit	Lightbrown Apple Moth	25 mL	Monitor pest activity from bud burst onwards. Target sprays at eggs and first instar larvae.
Longan	Macadamia Nutborer	40 mL	Spray thoroughly when pest numbers reach economic threshold levels according to field checks. Target sprays against eggs and early instar larvae.
Lychee			
Macadamia	Macadamia Flower Caterpillar	25 mL	Monitor for eggs and very small larvae on flowers and apply at a threshold of 50-80% of racemes infested.
	Macadamia Nutborer	40 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.

**NON TREE AND VINE CROPS**

**Note:** Peregrine Insecticide is a moult-accelerating insecticide that requires ingestion for control. Feeding ceases almost immediately after ingestion. Larvae in protected feeding sites (eg. Flowers) will not be controlled. Mortality of larvae will not be evident until 4-6 days after application.

CROP	PEST	RATE/100 LITRES	Critical Comments
Tomatoes Peppers (Capsicum and Chilli) Eggplant Okra	Native Budworm, Tomato Grub, Cluster Caterpillar	125 or 170 mL/100 L or 1.25 or 1.7 L/ ha	Use the higher rate under heavy egg pressure. Apply Peregrine Insecticide 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:**

**Tomato, Peppers (Capsicum and Chilli), Eggplant and Okra: NOT REQUIRED WHEN USED AS DIRECTED**

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

**Longans: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION**

**Almonds: DO NOT HARVEST WITHIN 7 DAYS OF APPLICATION**

**Blueberry: 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**

**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**

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

**TRADE ADVICE**

**CROPS INTENDED FOR EXPORT:** Peregrine Insecticide 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 Peregrine Insecticide Insecticide.

**GENERAL INSTRUCTIONS:**

Peregrine Insecticide is very suitable for use in orchards and vineyards using integrated pest management (IPM) programs.

**MIXING AND APPLICATION MIXING**

Prior to pouring, shake container vigorously, then add the required quantity of Peregrine Insecticide to water in the spray vat while stirring or with agitators in motion.

**COMPATIBILITY**

Peregrine Insecticide 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 Grochem Australia Pty Ltd, 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, Grochem Australia Pty Ltd cannot be responsible for the behaviour of such mixtures.

**WETTING AGENTS**

Not all surfactants or crop oils are of equal quality. Grochem Australia Pty Ltd does not support the use of alternative products other than those non aggressive non-ionic wetters.

**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 100L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, 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**

Dilute spray volume as determined above: For example 1500L/ha

Your chosen concentrate spray volume: For example 500L/ha

The concentration factor in this example is: 3 x (ie  $1500L \div 500L = 3$ )

If the dilute label rate is 25mL/100L, then the concentrate rate becomes 3 x 25, that is 75mL/100L 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.

**INSECTICIDE RESISTANCE WARNING**

**GROUP 18 INSECTICIDE**

For insecticide resistance management, Peregrine Insecticide is a Group 18 insecticide. Some naturally occurring insect biotypes resistant to Peregrine Insecticide 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 Peregrine Insecticide and other Group 18 insecticides are used repeatedly. The effectiveness of Peregrine Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Grochem Australia Pty Ltd accepts no liability for any losses that may result from the failure of Peregrine Insecticide to control resistant insects. Peregrine Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, agricultural department agronomist or Grochem Australia Pty Ltd Technical Department.

**PRECAUTIONS**

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

Re-Entry Period

DO NOT allow entry into treated areas until the spray has dried. When 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 apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses.

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

**STORAGE AND DISPOSAL**

KEEP OUT OF THE 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.

1L Container: 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.

5L – 20L 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 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.

**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 Grochem Australia Pty Ltd on 1800 777 068.

**SAFETY DIRECTIONS**

Additional information is listed in the Safety Data Sheet (SDS) which is available from Grochem Australia Pty Ltd on request or the Grochem website ([www.grochem.com](http://www.grochem.com)).

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone: Australia 13 11 26.

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet which is available from Grochem Australia Pty Ltd.  
For a copy phone 1800 777 068 or visit the website [www.grochem.com](http://www.grochem.com)

**LIMIT OF LIABILITY**

1. Grochem Australia Pty Ltd accepts responsibility for the consistent quality of the product.
2. Grochem Australia Pty Ltd accepts no responsibility whatsoever for any damage, injury or loss following purchase and use of this product.
3. The extent of liability of Grochem Australia Pty Ltd is limited to the replacement of goods or a refund on the price paid. This being conditional upon a claim being made in writing and within 30 days of delivery/receipt of product.
4. This product must also be used in strict accordance with the directions as detailed on this label. The buyer accepts and uses this material with an understanding of the above conditions.

APVMA Approval Number: 84525/115161

SPECIMAN

**Additional statements as required by Safe Work Australia in accordance with the Globally Harmonized System of Classification and Labelling (GHS)**

Harmful to aquatic life with long lasting effects. Avoid release to the environment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If eye irritation persists: Get medical advice/attention

In a Transport Emergency  
Dial 000  
Police or Fire Brigade

Specialist Advice In Emergency Only  
1800 033 111  
All Hours - Australia Wide