

Product Name: PROCLAIM OPTI Insecticide
APVMA Approval No: 83844/134021



Label Name:	PROCLAIM OPTI Insecticide
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	44 g/kg EMAMECTIN PRESENT AS EMAMECTIN BENZOATE
Mode of Action:	GROUP 6 INSECTICIDE
Statement of Claims:	For the control of various lepidopteran pests in fruit and vegetable crops as per the Directions for Use
Net Contents:	600g - 5kg
Restrains:	DO NOT apply by aerial application
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	WITHHOLDING PERIODS Brassica Vegetables, Leafy Vegetables, Lettuce, Brassica Leafy Vegetables, Root and Tuber Vegetables: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION DO NOT USE TREATED CROP, CROP WASTE OR PRODUCE FOR STOCK FOOD

Cucurbits, Fruiting Vegetables, Strawberries:
DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION
DO NOT ALLOW LIVESTOCK TO GRAZE TREATED CROPS OR CROP STUBBLE

Legume Vegetables, Sweet Corn:
DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION
DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION

Grapes:
DO NOT HARVEST FOR 8 WEEKS AFTER APPLICATION
DO NOT GRAZE TREATED AREAS, OR CUT FOR STOCKFEED FOR 8 WEEKS AFTER APPLICATION

Trade Advice:

EXPORT TRADE ADVICE
Treated crop commodities destined for export may require extra time being allowed between application and harvest, as some export market have either no Maximum Residue Limits (MRLs) or different MRLs to those of Australia. Details of overseas standards and any export interval can be obtained by contacting Syngenta before using this product.

General Instructions:

GENERAL INSTRUCTIONS
PROCLAIM® Opti is a contact insecticide, recommended for control of Lepidopteran and chewing insect pests.

Mixing
PROCLAIM® Opti is a water-dispersible granule (WG) that mixes readily in water and is applied as a foliar spray. Add the required amount of PROCLAIM® Opti Insecticide to a partly filled spray tank, and then add the remainder of the water. Add a non-ionic surfactant (eg AGRAL® Spray Adjuvant) at recommended label rate to improve coverage on certain crop/pest combinations as per the Directions for Use.

Application
PROCLAIM® Opti Insecticide is not systemic making good coverage essential - ensure thorough coverage of the crop.

Mixing/Application – Grapes, Trellised Tomatoes, Eggplants, Strawberries
Dilute Spraying: Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. Avoid excessive runoff. 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. Spray to the point of runoff. 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 runoff) 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) 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 1000 L/ha
2. Your chosen concentrate spray volume: For example 500 L/ha
3. The concentration factor in this example is: 2 X (ie. 1000/500 L =2)
4. If the dilute label rate is 15 g/100 L, then the concentrate rate becomes 2 x 15, that is 30 g/100 L of concentrate spray
The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.

For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training, and follow industry Best Practices.

Resistance Warning:

For insecticide resistance management PROCLAIM® Opti Insecticide is a Group 6 insecticide. Some naturally occurring insect biotypes resistant to PROCLAIM® Opti Insecticide and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if PROCLAIM® Opti Insecticide and other Group 6 insecticides are used repeatedly. The effectiveness of PROCLAIM® Opti Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Syngenta Australia Pty Ltd accepts no liability for any losses that may result from failure of PROCLAIM® Opti Insecticide to control resistant insects. PROCLAIM® Opti Insecticide may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta representative or local agricultural department agronomist.

In order to avoid or delay the selection of resistant insects, Group 6 insecticides should be used as a part of an insecticide resistance management (IRM) strategy which incorporates the following:

- Insecticides from the same mode of action group should not be used to treat successive generations of the target pest.
- Multiple applications of PROCLAIM® Opti Insecticide and other products containing Group 6 insecticides may be made successively but only when targeting a single generation of the target insect.
- If more than one application of an insect control agent is required to control successive generations of the target pest then alternative insecticides with different mode of action should be utilised in rotation with PROCLAIM® Opti Insecticide.
- Where possible incorporate alternative methods of pest control as part of an integrated pest management (IPM) approach.

Precautions:

Protections:

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Highly toxic to bees. DO NOT spray any plants in flower while bees are foraging on or around the treatment area. DO NOT allow spray drift to flowering weeds, hedges, or flowering crops in the vicinity of the treatment area. Residues may remain at levels toxic to bees for 48 hours following application. If there is potential for managed hives to be affected by the spray or spray drift, notify beekeepers 48 hours before spraying to move hives to a safe location. DO NOT introduce hives into the sprayed area for 48 hours after application on flowering crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers, or waterways with the chemical or used containers. DO NOT apply under weather conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, water bodies or watercourses.

Storage and Disposal:

STORAGE AND DISPOSAL

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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. DO NOT burn empty containers or product.

Safety Directions:	SAFETY DIRECTIONS Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.
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First Aid Instructions:	FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop	Pest	Rate	Critical Comments
Brassica vegetables including broccoli, Brussels sprout, cabbages, cauliflower	Diamondback moth (cabbage moth) (<i>Plutella xylostella</i>)	250 to 300 g/ha Add a non-ionic surfactant (eg AGRAL® Spray Adjuvant) at recommended label rate	Spray at first signs of insect infestation as indicated by local spray thresholds, and before target populations reach high levels. For best results apply just prior to or just after egg hatch when larvae are small. DO NOT target large larvae. Use the higher rate during periods of heavy insect pressure, under very hot and sunny conditions or where a longer period of control is desired. -Ensure thorough spray coverage. DO NOT make more than four (4) applications of PROCLAIM® Opti Insecticide to any one crop. Minimum retreatment interval is 7 days. Where more than one crop is grown per year, DO NOT make more than four (4) applications of PROCLAIM® Opti Insecticide or other insecticide containing emamectin in any one year. This use is subject to a CropLife Resistance Management strategy.
	Cabbage white butterfly (<i>Pieris rapae</i>)		
Root and tuber vegetables (except potato) including beetroot, carrot, parsnip, radish, swede, turnip, sweet potato	Heliothis (<i>Helicoverpa</i> spp.)		
	Cluster caterpillar (<i>Spodoptera litura</i>)		
Leafy vegetables and brassica leafy vegetables (except lettuce) including spinach, silver beet, kale, endive, mustard, cress, chard, rocket, Asian leafy greens, and Chinese cabbage (<i>field grown only</i>)	Loopers (<i>Chrysodeixis</i> spp.)		
Sweet corn	Heliothis (<i>Helicoverpa</i> spp.)	150 to 250 g/ha	Spray at first signs of insect infestation as indicated by local spray thresholds. For best results apply just prior to or just after the <i>Helicoverpa</i> eggs have hatched when larvae are small. DO NOT target large larvae. Apply before larvae enter the cob. Thorough spray coverage is critical. Larvae present within the cob at the time of spraying may not be controlled. Use the higher rate during periods of heavy insect pressure or under very hot and sunny conditions. DO NOT apply more than three (3) sprays of PROCLAIM® Opti Insecticide or other insecticide containing emamectin per crop. Where more than one crop is grown per year DO NOT apply more than three (3) sprays per year. Retreatment interval is 7-10 days. This use is subject to a CropLife Resistance Management strategy.

Crop	Pest	Rate	Critical Comments
Sweet corn	Fall armyworm (<i>Spodoptera frugiperda</i>)	250 g/ha Add a non-ionic surfactant (eg AGRAL® Spray Adjuvant) at recommended label rate	<p>Use PROCLAIM® Opti as part of an integrated pest management approach. Spray at first signs of insect infestation as indicated by local spray thresholds. For best results apply just prior to or just after eggs have hatched when larvae are small. Managing infestations before tasselling will reduce the risk of feeding damage to the developing cobs.</p> <p>Thorough spray coverage is critical. Avoid targeting spray applications on large larvae which are more difficult to control, especially when they have become entrenched in feeding sites, e.g. whorls. Larvae present within the cob at the time of spraying may not be controlled.</p> <p>Under heavy and sustained insect pressure, PROCLAIM® Opti may not be able to prevent all ensuing plant damage to the crop associated with the feeding larvae.</p> <p>Sample crops twice a week after application and make a subsequent application if required.</p> <p>DO NOT apply more than three (3) sprays of PROCLAIM® Opti Insecticide or other insecticide containing emamectin per crop. Where more than one crop is grown per year DO NOT apply more than three (3) sprays per year. Retreatment interval is 7-10 days.</p> <p>This use is subject to a CropLife Resistance Management strategy.</p>
Strawberries	Cluster caterpillar (<i>Spodoptera litura</i>) Heliothis (<i>Helicoverpa spp.</i>) Lightbrown apple moth (<i>Epiphyas postvittana</i>) Loopers (<i>Chrysodeixis spp.</i>)	150 to 250 g/ha or 15 to 25 g/100 L of water	<p>Spray at first signs of insect infestation as indicated by local spray thresholds. For best results apply just prior to or just after eggs hatch when larvae are small. DO NOT target large larvae.</p> <p>DO NOT apply more than three (3) applications per crop, with a minimum re-treatment interval of seven (7) days.</p>

Crop	Pest	Rate	Critical Comments
Lettuce	Heliothis (<i>Helicoverpa spp.</i>)	150 to 250 g/ha	Spray at first signs of insect infestation as indicated by local spray thresholds. For best results apply just prior to or just after egg hatch when larvae are small. DO NOT target large larvae. Apply before larvae enter fruit or lettuce heads. Use the higher rate during periods of heavy insect pressure or under very hot and sunny conditions. Ensure thorough spray coverage.
Cucurbits including cucumber, melons, pumpkins, squash, zucchini	Cluster caterpillar (<i>Spodoptera litura</i>)		
	Cucumber moth (<i>Diaphania indica</i>)		
Legume vegetables Including Green beans, green peas, sugarsnap peas, snow peas	Heliothis (<i>Helicoverpa spp.</i>) Cluster caterpillar (<i>Spodoptera litura</i>) Loopers (<i>Chrysodeixis spp</i>)		DO NOT apply more than four (4) sprays of PROCLAIM® Opti Insecticide or other insecticide containing emamectin per crop. Minimum retreatment interval is seven (7) days. Where more than one crop is grown per year DO NOT apply more than four (4) sprays per year.
Fruiting vegetables including tomatoes, eggplants, capsicums, chillies (field grown and protected cropping)	Heliothis (<i>Helicoverpa spp</i>) Cluster caterpillar (<i>Spodoptera litura</i>)	Dilute spraying: 150 to 250 g/ha or 15 to 25 g/100 L for trellised tomatoes or eggplants Concentrate spraying* Refer to the Mixing/ Application section	*Note: as thorough coverage is critical, best results will be achieved with dilute applications of PROCLAIM® Opti Insecticide. This use is subject to a CropLife Resistance Management strategy.
Grapes including wine and table (except grapes grown for dried fruit production)	Lightbrown apple moth (<i>Epiphyas postvittana</i>) Grapevine moth (<i>Phalaenoides glyciniae</i>)	Dilute spraying 15 g/100 L Concentrate spraying* Refer to the Mixing/ Application Section	DO NOT apply after bunch closure. For optimal control of lightbrown apple moth apply soon after egg lay when larvae are small in size and before larvae become webbed into the bunches. Eggs laid after application on new growth may not be controlled. For grapevine moth control, spray when local threshold levels have been reached. Monitor pest levels after application, a further application may be required. Retreatment interval is seven (7) days. *As thorough coverage of foliage and bunches is critical, best results will be achieved with dilute applications. DO NOT apply more than two (2) sprays of PROCLAIM® Opti Insecticide or other insecticide containing emamectin per crop. Retreatment interval is seven (7) days.

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