

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Proclaim[®] Opti

Insecticide

syngenta[®]

ACTIVE CONSTITUENT: 44 g/kg EMAMECTIN present as EMAMECTIN BENZOATE

GROUP 6 INSECTICIDE

For the control of various lepidopteran pests in fruit and vegetable crops as per the Directions for Use

Syngenta Australia Pty Ltd

Level 1, 2-4 Lyonpark Road, Macquarie Park, NSW 2113

In a transport emergency dial 000, Police or Fire Brigade

For specialist advice in an emergency only, call 1800 033 111 (24 hours)

APVMA Approval No: 83844 / 109067

TM

DIRECTIONS FOR USE

DO NOT apply by aerial application

Crop	Pest	Rate	Critical Comments
Brassica Vegetables including Broccoli, Brussels Sprout, Cabbages, Cauliflower	Diamondback Moth (Cabbage Moth) (<i>Plutella xylostella</i>) Cabbage White Butterfly (<i>Pieris rapae</i>)	250 to 300 g/ha	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. Add Agral® at the appropriate label rate. Ensure thorough spray coverage DO NOT make more than four (4) applications of PROCLAIM OPTI to any one crop. Minimum retreatment interval 7 days. Where more than one crop is grown per year, DO NOT make more than 4 applications of PROCLAIM OPTI or other insecticide containing emamectin in any one year. PROCLAIM should be used according to CropLife insecticide resistance strategies.
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 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 four (4) sprays of PROCLAIM OPTI or other insecticide containing emamectin per crop. Where more than one crop is grown per year DO NOT apply more than 4 sprays per year. PROCLAIM should be used according to the CropLife resistance strategies.
Strawberries	Cluster Caterpillar (<i>Spodoptera litura</i>) Heliothis (<i>Helicoverpa</i> spp.) Lightbrown apple Moth (<i>Epiphyas postvittana</i>) Loopers (<i>Chrysodeixis</i> spp.)	150 to 250 g/ha Or 15 to 25 g/100 L of water	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. DO NOT apply more than three (3) applications per crop, with a minimum re-treatment interval of 7 days.
Lettuce	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 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>)		

Crop	Pest	Rate	Critical Comments
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 or other insecticide containing emamectin per crop. Minimum retreatment interval 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	PROCLAIM OPTI should be used according to the CropLife resistance strategies. *Note: as thorough coverage is critical, best results will be achieved with dilute applications of PROCLAIM OPTI.
Grapes (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 Light Brown 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 (minimum re-treatment interval: 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 or other insecticide containing emamectin per crop. Minimum retreatment interval 7 days.

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

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**

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

MIXING

Add the required amount of PROCLAIM to a partly filled spray tank, and then add the remainder of the water.

Application

PROCLAIM is not systemic making good coverage essential - ensure thorough coverage of the crop.
DO NOT apply by aerial application

Mixing/Application – Grapes, Trellised Tomatoes and 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: $2 \times$ (ie. $1000 \text{ L} \div 500 \text{ L} = 2$)
4. If the dilute label rate is 15 g/100 L, then the concentrate rate becomes 2×15 , 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.

Compatibility

As formulations of other manufacturer's products are beyond the control of Syngenta, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. For further information on product compatibility, consult your local Syngenta representative.

Insecticide Resistance Warning

GROUP	6	INSECTICIDE
-------	---	-------------

For insecticide resistance management PROCLAIM OPTI insecticide is a Group 6 insecticide. Some naturally occurring insect biotypes resistant to PROCLAIM OPTI 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 and other Group 6 insecticides are used repeatedly. The effectiveness of PROCLAIM OPTI 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 to control resistant insects. PROCLAIM OPTI may be subject to specific resistance management strategies. For further information contact your supplier, Syngenta representative or local agricultural department agronomist.

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 days 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

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure 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. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

**Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin.
Wash hands after use.**

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy phone 1800 067 108 or visit our website at www.syngenta.com.au

May cause damage to organs through prolonged or repeated exposure.
--

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

Product names marked ® or ™, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company



* Trademark (statement only to appear in booklet)