

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Affirm[®]

Insecticide

syngenta.

ACTIVE CONSTITUENT:

17 g/L EMAMECTIN present as EMAMECTIN BENZOATE

GROUP **6** INSECTICIDE

For the control of insect pests in Canola, Cotton and Pulses 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: 51321/60751

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DIRECTIONS FOR USE

Restrains: DO NOT use on canola grown as a forage crop
 DO NOT use on dual-use canola prior to grazing
 DO NOT apply to crops under visible stress.
 DO NOT apply if wind speed is less than 3km and more than 20km per hour or under conditions where temperature inversions may occur
 DO NOT spray any plants in flower while bees are actively foraging

Crop	Pest	Rate	Critical Comments
Cotton Qld, NSW, WA, NT only	Heliiothis <i>Helicoverpa armigera</i> , <i>Helicoverpa punctigera</i>	550 mL/ha or 700 mL/ha Add a non-ionic surfactant at recommended label rate	Timing is important. For best results apply at or just prior to the anticipated time of hatching of <i>Helicoverpa</i> eggs as indicated by egg levels or scouting. As earlier larval stages are easier to control, DO NOT target larvae larger than 5 mm (very small to small). Large larvae and larvae feeding within bolls and squares may not be controlled. Larvae must feed on treated areas in order to achieve effective control. Where high egg lays occur the addition of an ovicide is recommended. Use the lower rate on light infestations. Make no more than 4 applications per season. AFFIRM should be used according to the cotton Best Management Practices Manual.
	Green Mirids <i>Creontiades dilutus</i> Suppression only		Apply to developing Green Mirid populations that are predominantly nymphs. Maximum effect is not achieved until 5 to 7 days after application. Use the higher rate on heavier populations.
	Mites Suppression only		Applications of AFFIRM as outlined above for Heliiothis will reduce the rate of mite development in treated cotton.
Canola (for grain production)	Diamondback Moth <i>Plutella xylostella</i>	150 to 300 mL/ha Add a non-ionic surfactant at recommended label rate	Apply as soon as larval populations reach threshold numbers. Observe current industry threshold recommendations based on crop growth stage. Use rates towards the lower end of the range to control threshold level populations when crop growth stage or insect activity does not favour rapid population development. Use the higher rate to control threshold level populations when conditions favour rapid crop or pest population development. Sample crops twice a week after application to determine if a second application is required. Make no more than 2 applications per season. If further applications are necessary, rotate to an approved product from a different MOA group. Highly toxic to bees. Refer to the Protection of Livestock statement for notification requirements.

Crop	Pest	Rate	Critical Comments
Summer and winter pulse crops	Heliiothis <i>Helicoverpa armigera</i> , <i>Helicoverpa punctigera</i> Loopers <i>Thysanoplusia</i> sp. Diamondback moth <i>Plutella xylostella</i>	150 to 300 mL/ha Add a non-ionic surfactant at recommended label rate	<p>Timing is important. For best results apply at or just prior to the anticipated time of hatching of Lepidoptera larvae as indicated by egg levels or scouting.</p> <p>As earlier larval stages are easier to control, DO NOT target larvae larger than 5 mm (very small to small).</p> <p>Use rates towards the lower end of the range to control threshold level populations when crop growth stage or insect activity does not favour rapid population development.</p> <p>Larvae feeding within pods may not be controlled. Larvae must feed on treated areas in order to achieve effective control.</p> <p>Where high egg lays occur the addition of an ovicide is recommended.</p> <p>DO NOT make more than 2 applications per season, with a minimum interval of 7 days between applications. If further applications are necessary, rotate to an approved product from a different MOA group.</p> <p>Highly toxic to bees. Refer to the Protection of Livestock statement for notification requirements.</p>

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

WITHHOLDING PERIODS

Canola: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 2 WEEKS AFTER APPLICATION

Cotton: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION
 DO NOT FEED COTTON TRASH FROM TREATED AREAS TO ANIMALS, INCLUDING POULTRY

Pulses: Harvest: DO NOT HARVEST FOR 21 DAYS AFTER PPLICATION
 Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

Mixing

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

Application

To be effective AFFIRM requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume.

Ground Application:

Cotton: Apply in at least 80 L spray/ha

Canola: Apply in at least 100 L spray/ha

Pulses: Apply in at least 80 to 100 L spray/ha depending on the crop canopy size. Use at least 80 L spray/ha for crops with lower canopy size eg Lentils, and 100 L spray/ha for crops with higher canopy size eg Chickpeas.

Air Application: Apply in at least 20 L spray/ha

Compatibility

AFFIRM is compatible with Ovasyn* EC. 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.

Insecticide Resistance Warning

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

PRECAUTION

Human flagging is not supported unless flaggers are protected by engineering controls such as vehicles with cabs.

Re-entry Period

DO NOT allow entry into treated areas for 12 hours after treatment. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and chemical resistant gloves.

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 that may cause spray to drift from the target area. A spray drift minimisation strategy should be employed at all times when aerially applying sprays to, or near, sensitive areas. The strategy envisaged is exemplified by the cotton industry's Best Management Practice Manual.

PROTECTION OF LIVESTOCK – BEES

Highly toxic to bees. Will kill bees foraging in the crop to be treated or in hives which are oversprayed or reached by spray drift. Residues may remain toxic to bees for several days after application. DO NOT spray any plants in flower while bees are foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar, if there is potential for managed bees to be affected by the spray or spray drift.

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 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 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 Local, State or Territory government regulations. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will damage the eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container, and preparing spray wear:

- cotton overalls buttoned to the neck and wrist
- washable hat
- elbow length PVC gloves and
- goggles

When using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist
- washable hat
- elbow-length PVC gloves

If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

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

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.

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