

Product Name: AFFIRM INSECTICIDE
APVMA Approval No: 51321/141931



Label Name:	AFFIRM INSECTICIDE
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT: 17 g/L EMAMECTIN PRESENT AS EMAMECTIN BENZOATE
Mode of Action:	GROUP 6 INSECTICIDE
Statement of Claims:	For the control of insect pests in Canola, Cotton, Lucerne Seed Crops, Maize, Pulses and Sorghum as per the Directions for Use
Net Contents:	10 - 200 L
Restraints:	<p>DO NOT apply to crops under visible stress. DO NOT spray any plants in flower while bees are actively foraging</p> <p>SPRAY DRIFT RESTRAINTS Specific definitions for terms used in this section of the label can be found at 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.</p>

Directions for Use:	Refer to attached document. This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	<p>Canola: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 2 WEEKS AFTER APPLICATION</p> <p>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</p> <p>Lucerne Seed Crops: DO NOT GRAZE ANY TREATED PLANTS OR CUT FOR STOCK FOOD DO NOT FEED GRAIN HARVESTED FROM TREATED PLANTS TO ANIMALS, INCLUDING POULTRY</p> <p>Maize (Corn, Popcorn): Harvest: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION</p> <p>Pulses: Harvest: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION</p> <p>Sorghum: DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION</p>
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Trade Advice:	<p>EXPORT ANIMAL FEED INTERVAL (EAFI) (CANOLA) - 28 DAYS</p> <p>A minimum period of 28 days must elapse between the application of AFFIRM® and grazing or cutting the treated canola forage or straw as stockfeed for livestock intended for export.</p>
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General Instructions:	<p>Mixing AFFIRM® Insecticide is an emulsifiable concentrate (EC) formulation that mixes readily with water. Add the required amount of AFFIRM® to a partly filled spray tank, and then add the remainder of the water.</p> <p>Adjuvant Apply AFFIRM® with a non-ionic adjuvant at recommended label rate, eg AGRAL® Spray Adjuvant at 10 mL per 100 L of spray mixture.</p> <p>Application To be effective AFFIRM® requires thorough spray coverage. Ensure that equipment is properly calibrated to give an even distribution at the correct volume.</p> <p>Ground Application: Canola, Lucerne Seed Crops, Maize, Sorghum: Apply in at least 100 L spray/ha Cotton: Apply in at least 80 L spray/ha</p>
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	<p>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</p> <p>Aerial Application: Apply in at least 20 L spray/ha</p>
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Resistance Warning:	<p>Insecticide Resistance Warning - GROUP 6 INSECTICIDE</p> <p>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.</p> <p>Resistance Management Strategy</p> <p>In order to avoid or delay the selection of resistant insects, Group 6 insecticides should be used as part of an insecticide resistance management (IRM) strategy which incorporates the following:</p> <ul style="list-style-type: none"> • Insecticides from the same mode of action group should not be used to treat successive generations of the target pest. • Multiple applications of AFFIRM® 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 insecticide is required to control successive generations of the target pest then alternative insecticides with different mode of action should be utilised in rotation with AFFIRM® Insecticide. • Where possible incorporate alternative methods of pest control as part of an integrated pest management (IPM) approach. <p>AFFIRM® Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Syngenta representative, local agricultural department agronomist or visit www.croplifeaustralia.org.au</p>
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Precautions:	<p>Re-entry Period</p> <p>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.</p>
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or watercourses 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.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>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.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>Non-refillable containers: 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.</p> <p>Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	<p>Will damage the eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear:</p> <ul style="list-style-type: none"> • cotton overalls buttoned to the neck and wrist • washable hat • elbow length PVC gloves and • goggles. <p>When using the prepared spray, wear:</p> <ul style="list-style-type: none"> • cotton overalls buttoned to the neck and wrist • washable hat • elbow-length PVC gloves. <p>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.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Crop	Pest	Rate	Critical Comments
Canola	Diamondback Moth (<i>Plutella xylostella</i>)	150 to 300 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	<p>Commence spray applications as soon as larvae populations reach threshold numbers. Observe current industry threshold recommendations based on crop growth stage.</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>Use the higher rate to control threshold level populations when conditions favour rapid crop or pest population development.</p> <p>Sample crops twice a week after application to determine if a second application is required. DO NOT apply more than 2 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray. If further applications are necessary, rotate to an approved product from a different mode of action group.</p> <p>Highly toxic to bees. Refer to the PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS statement for notification requirements.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Refer to GENERAL INSTRUCTIONS for information on insect resistance management strategies.</p>

Crop	Pest	Rate	Critical Comments
Canola <i>continued</i>	Heliiothis (<i>Helicoverpa</i> spp.)	300 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	<p>Commence spray applications as soon as Heliiothis populations reach local thresholds. Observe current industry threshold recommendations based on crop growth stage.</p> <p>For best results, apply AFFIRM® at or just prior to the anticipated time of hatching of <i>Helicoverpa</i> eggs as indicated by egg levels or monitoring. Larvae must feed on treated areas in order to achieve effective control. Avoid targeting spray applications on large larvae which are more difficult to control. Larvae feeding within pods may not be controlled.</p> <p>Continue monitoring crops (at least weekly) to determine if a second application is required.</p> <p>DO NOT apply more than 2 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray. If further applications are necessary, rotate to an approved product from a different mode of action group.</p> <p>Highly toxic to bees. Refer to the PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS statement for notification requirements.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Refer to GENERAL INSTRUCTIONS for information on insect resistance management strategies.</p>
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 ^Δ at recommended label rate	<p>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.</p> <p>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.</p> <p>Where high egg lays occur, the addition of an ovicide is recommended. Use the lower rate on light infestations.</p> <p>DO NOT apply more than 4 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>For more information on managing Heliiothis refer to the current Cotton Pest Management Guide: www.cottoninfo.com.au/publications/cotton-pest-management-guide</p>

Crop	Pest	Rate	Critical Comments
Cotton <i>continued</i> Qld, NSW, WA, NT only	Green Mirids (<i>Creontiades dilutus</i>) Suppression only	550 mL/ha or 700 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	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. DO NOT re-apply within 7 days of a previous AFFIRM® spray. ^Δ Refer to Adjuvant section in GENERAL INSTRUCTIONS. For more information on managing Mirids refer to the current Cotton Pest Management Guide: www.cottoninfo.com.au/publications/cotton-pest-management-guide
	Mites Suppression only		Applications of AFFIRM® as outlined above for <i>Heliothis</i> will reduce the rate of Mite development in treated cotton. DO NOT re-apply within 7 days of a previous AFFIRM® spray. ^Δ Refer to Adjuvant section in GENERAL INSTRUCTIONS. For more information on managing Mites refer to the current Cotton Pest Management Guide: www.cottoninfo.com.au/publications/cotton-pest-management-guide
Lucerne Seed Crops	<i>Heliothis</i> (<i>Helicoverpa</i> spp.)	150 to 300 mL/ha Add a non-ionic surfactant ^Δ 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 may not be controlled. Ensure thorough spray coverage of target crop. Larvae must feed on treated areas in order to achieve effective control. Use the lower rate on light infestations. DO NOT apply more than 4 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray. ^Δ Refer to Adjuvant section in GENERAL INSTRUCTIONS. Refer to GENERAL INSTRUCTIONS for information on insect resistance management strategies.

Crop	Pest	Rate	Critical Comments
Lucerne Seed Crops <i>continued</i>	Green Mirids (<i>Creontiades dilutus</i>) Suppression only	550 to 700 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	<p>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.</p> <p>DO NOT apply more than 4 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Refer to GENERAL INSTRUCTIONS for information on insect resistance management strategies.</p>
Maize (Corn, Popcorn)	Fall Armyworm (<i>Spodoptera frugiperda</i>) Heliothis (<i>Helicoverpa</i> spp.)	600 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	<p>Use AFFIRM® as part of an integrated pest management approach. Early detection is essential. Commence spray applications at first signs of insect infestation as indicated by local spray thresholds, especially when the crop is very young around 2 to 4 true leaf. For best results, apply just prior to or just after fall armyworm egg masses or <i>Helicoverpa</i> eggs have hatched and larvae are small.</p> <p>Thorough spray coverage is critical.</p> <p>Avoid targeting spray applications on large larvae which are more difficult to control, especially when they have become entrenched in feeding sites, eg whorls. Under heavy and sustained insect pressure, AFFIRM® may not be able to prevent all ensuing plant damage to the crop associated with the feeding larvae. Larvae present within the cob at the time of spraying may not be controlled.</p> <p>Continue monitoring crops (suggested twice a week) to determine if a second application is required.</p> <p>DO NOT apply more than 2 applications per crop, with a minimum spray interval of 7 days. If further applications are necessary, rotate to an approved product from a different mode of action group.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Note: This use is subject to a CropLife resistance management strategy. Refer to www.croplife.org.au for more information.</p>

Crop	Pest	Rate	Critical Comments
Summer and Winter Pulse Crops	Heliothis (<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 ^Δ 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 apply more than 2 applications per season. DO NOT re-apply within 7 days of a previous AFFIRM® spray. If further applications are necessary, rotate to an approved product from a different mode of action group.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Highly toxic to bees. Refer to the PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS statement for notification requirements.</p> <p>Note: This use is subject to a CropLife resistance management strategy. Refer to www.croplife.org.au for more information.</p>

Crop	Pest	Rate	Critical Comments
Sorghum	Fall Armyworm (<i>Spodoptera frugiperda</i>)	600 mL/ha Add a non-ionic surfactant ^Δ at recommended label rate	<p>Use AFFIRM® as part of an integrated pest management approach. Early detection is essential. Commence spray applications at first signs of insect infestation as indicated by local spray thresholds, especially when the crop is very young, around 2 to 4 true leaf. For best results, apply just prior to or just after egg masses have hatched when larvae are small.</p> <p>Thorough spray coverage is critical.</p> <p>Avoid targeting spray applications on large larvae which are more difficult to control, especially when they have become entrenched in feeding sites, eg whorls. Under heavy and sustained insect pressure, AFFIRM® may not be able to prevent all ensuing plant damage to the crop associated with the feeding larvae.</p> <p>Continue monitoring crops (suggested twice a week) to determine if a second application is required. Use a short spray interval with a minimum of 7 days. If further applications are necessary, rotate to an approved product from a different mode of action group.</p> <p>DO NOT apply more than 2 applications per crop.</p> <p>^ΔRefer to Adjuvant section in GENERAL INSTRUCTIONS.</p> <p>Note: This use is subject to a CropLife resistance management strategy. Refer to www.croplife.org.au for more information.</p>

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