

PEEL
HERE

POISON

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



ACTIVE CONSTITUENT: 200g/L FIPRONIL

GROUP **2B** INSECTICIDE

For control of various insect pests in asparagus, bananas, brassicas, cotton, forestry, ginger, wine grapevines, mushrooms, pasture, potatoes, sorghum, sugarcane, swedes and turnips as specified in the DIRECTIONS FOR USE table.

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

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 empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm 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.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre (Phone Australia 13 11 26).

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet which is available from the supplier.

LIMIT OF WARRANTY AND LIABILITY

Axichem Pty Ltd warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Axichem Pty Ltd, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repacking or reformulations. No licence under any non-Australian patent is granted or implied by purchase of this container.

APVMA Approval No: 69773/114229

Batch No:

Date of Manufacture:

<p>IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE</p>	<p>FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY CALL 1800 039 008 ALL HOURS AUSTRALIA WIDE</p>
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AxiChem

DIRECTIONS FOR USE

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
Asparagus	Garden Weevil (<i>Phlyctinus callosus</i>)	Vic, WA only	40mL/100L applying 500L spray solution per hectare	1 day (H)	DANGEROUS TO BEES. REFER TO PROTECTION OF LIVESTOCK Daytime sprayings effective, but superior control may be achieved if spray is applied at night. Repeat applications as required, depending on pest pressure. Controlling weevils in asparagus fern may reduce abundance the following season. DO NOT apply more than 6 applications per season, up to 4 applications to spears and after harvest; 2 applications.
Bananas	Banana rust thrips (<i>Chaetanap hothrips signipennis</i>)	Qld, NSW, NT & WA only	Butt Application All Planting Configurations: 150mL/100L water (0.75mL/ stool) Band Application All Planting Configurations: 40mL/100m ² treated area (See table under General Instructions – Application for calculation of treated area)	-	Timing: Application should ideally be made at least two months prior to bunch emergence to reduce early thrips pressure. Such an application could coincide with an application for banana weevil borer control (see label directions below). Butt application: Apply in a coarse spray covering the stem to a height of 30 cm and the soil trash in a 30 cm radius from the stem base. Apply a total volume of 500mL solution per stool. Ensure thorough coverage of butt, suckers, trash and exposed soil. Band application: Apply in a band along each row. The bandwidth should be such that at least 30 cm of soil/trash is treated on both sides of the butt. Apply with a side deliver boom and offset nozzles directed to spray at least 30cm of soil on either side of the but and to a height of 30cm up the stems. Repeat the application from the opposite side of the row. Half of the spray volume required to treat each row should be applied from each direction of spraying. For double row configurations, treat both rows with each pass ensuring the ground area between the two rows is also treated. Ensure thorough coverage of butt, suckers, trash and exposed soil. Apply in a minimum water volume of 13L/100m ² (trash removed) or 26L/100m ² (trash retained). See table under “General Instructions – application” for guidance.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
					DANGEROUS TO BEES. REFER TO PROTECTION OF LIVESTOCK
Bananas	Banana weevil borer (<i>Cosmopolites sordidus</i>)	Qld, NSW, NT & WA only	Butt Application All Planting Configurations: 150mL/100L water (0.75mL/ stool)	-	Apply by butt application as described above for banana rust thrips. Population Assessment: Lay baits (cut billets of stem base) flat on soil beside stools and cover with leaf material. Check baits after 3 days to assess pest activity. Monitoring should commence in September when pest activity increases and continue until April. Application Method: Applications should be made in Spring and/or Autumn when weevil numbers reach or exceed acceptable threshold levels. Remove any green trash from the area to be treated. Avoid application to trash which is less than 3 weeks old. This use is subject to a Croplife Resistance Management Strategy. Refer to your Axichem representative for details.
Brassicas (head cabbage, cauliflower, broccoli, Brussels Sprouts, kohlrabi)	Diamondback moth (<i>Plutella xylostella</i>), cabbage white butterfly (<i>Pieris rapae</i>), Cabbage cluster caterpillar (<i>Crocidoiomia pavonana</i>)	All States	250mL/ha	7 days (H)	Diamond back moth can rapidly become resistant to insecticides. To preserve the effectiveness of AC Emporium Insecticide, limit the number of applications to no more than 4 per year, preferably applied within an 8 week period. Use spray volume of between 400 and 1000L/ha according to crop size. Use a non-ionic wetting agent at the rate specified by the manufacturer for use in horticultural crops. Ensure that the rate of wetting agent used results in efficient spray coverage of the leaf surface. This use is subject to a Croplife Resistance Management Strategy. Refer to your Axichem representative for details.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
					DANGEROUS TO BEES. REFER TO PROTECTION OF LIVESTOCK
Cotton	Apple dimpling bug, Cotton thrips (<i>Thrips tabaci</i>), Green mirid (<i>Creontiades dilutus</i>), Green vegetable bug (<i>Nezara viridula</i>)	Qld, NSW & WA only	62.5 to 125mL/ha	4 weeks (H)	Apply at the first sign of the pest. AC Emporium Insecticide will take 3-4 days to reach full effectiveness. Use the higher rate in situations of high thrips pressure.
	Green mired (<i>Creontiades dilutes</i>)				Apply spray to achieve thorough coverage of foliage when pest first appears and repeat as required. Use the higher rate under sustained heavy green mired pressure. The product is compatible with early season IPM with the lower rate having less impact on beneficial insects.
Forestry Plantations including Eucalyptus, Pinus and Corymbia spp	Australian plague locust (<i>Chortoicetes terminifera</i>), Spur-throated locust (<i>Austracris guttulosa</i>), Migratory locust (<i>Locusta migratoria</i>), Wingless grasshopper (<i>Phaulacridium vittatum</i>), Small plague grasshopper (<i>Austroicetes cruciata</i>)	All States	6.25mL to 12.5mL/ha		Apply in plantation situations up to a maximum of 2 years of age. Apply diluted with water to minimum 20L/ha by air or 50L/ha by ground rig, directly onto locusts. Ensure thorough coverage of foliage. Residual control of these pests provided by AC Emporium Insecticide will vary with conditions. Rainfall will significantly reduce residual control. Residual control will also be reduced when applied directly to bare earth. Where inaccessibility prevents direct spraying of locusts apply as a barrier treatment (minimum 25m wide) ahead of advancing hopper bands. DO NOT retreated for 14 days following application. DO NOT apply AC Emporium Insecticide to wet foliage. AC Emporium Insecticide is rainfast after drying on foliage (1 hour). Respray only if rain falls before spray is dry on crop. Mortality will increase to a maximum over a period of 3-15 days after spraying. Speed of kill varies with locust species, temperature and age of adults. Fully mature, adult spur-throated locusts may show symptoms of debilitation 4-48 hours after spraying but in cool weather may take up to 14 days to die. Feeding ceases when debilitation symptoms appear. See also GENERAL INSTRUCTIONS.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
					DANGEROUS TO BEES. REFER TO PROTECTION OF LIVESTOCK
Ginger	Symphlyids	Old only	Pre-Plant application 250mL to 500mL/ha Dipping 1mL/200L + 250mL/ha pre-planting application	-	Pre-Plant Application: Apply as a spray to soil and incorporate to a depth of 200mm prior to planting. Use the higher rate in heavier soils and/or under high pressure. Dipping: Dip seed pieces in aqueous solution prior to planting in beds pre-treated with AC Emporium Insecticide. Dip solution is achieved by mixing 1mL of AC Emporium Insecticide in 200mL of water.
Mushrooms	Mushroom flies (Sciariids, Phorids and Cecids)	All States	16mL/300L bale of peatmoss	14 days (H)	Prepare solution by mixing AC Emporium Insecticide with a small volume of water. Apply mixture to peat moss during preparation of casing. Ensure thorough mixing with peat moss.
Pasture, Sorghum	Australian plague locust (Chortoicetes terminifera), Spur-throated locust (Austracris guttulosa), Migratory locust (Locusta migratoria), Wingless grasshopper (Phaulacridium vittatum), Small plague grasshopper (Austroicetes cruciata)		6.25mL/ha	14 days (H,G)	DO NOT apply to flowering vegetation in which bees may be foraging or within 7 days prior to flowering. Refer to Protection of Livestock. Apply diluted with water to a minimum of 20 L/ha by air or 50 L/ha by ground rig, directly onto locusts. Ensure thorough coverage of foliage. Residual control of these pests provided by AC Emporium Insecticide will vary with conditions. Rainfall will significantly reduce residual control. Residual control will also be reduced when applied directly to bare earth. Where inaccessibility prevents direct spraying of locusts apply as a barrier treatment (minimum 25m wide) ahead of advancing hopper bands. DO NOT retreat for 14 days following application. DO NOT apply AC Emporium Insecticide to wet foliage. AC Emporium Insecticide is rainfast after drying on foliage (1 hour). Respray only if rain falls before spray is dry on crop. Mortality will increase to a maximum over a period of 3-15 days after spraying. Speed of kill varies with locust species, temperature and age of adults. Fully mature, adult spur-throated locusts may show symptoms of debilitation 4-48 hours after spraying but in cool weather may take up to 14 days to die. Feeding ceases when debilitation symptoms appear. See also General Instructions.

CROP	PEST	STATE	RATE	WHP	CRITICAL COMMENTS
					DANGEROUS TO BEES. REFER TO PROTECTION OF LIVESTOCK
Potatoes, Sweet Potatoes	Wireworms (various), Mole Cricket (various)	All States	250mL/ha	-	Apply as a broadcast spray to the surface of the soil and incorporate to a depth of 15cm prior to planting.
	Whitefringed weevil (<i>Naupactus leucoloma</i>)		500mL/ha		
Sugarcane	Sugarcane weevil borer (<i>Rhabdoscelus obscurus</i>)	Qld, NSW, WA & NT only	2 to 5.7mL/ 100m row	12 weeks (H, G)	Apply during the summer months of December to February when the crop has produced the first milliable internode of cane. Use hollow cone nozzles as a directed spray to cover the base of the sugarcane stools and up the stalk to a height of 40 cm. Treat both sides of the stools. Use a non-ionic wetting agent at the rate specified by the manufacturer. Ensure that the rate of wetting agent used results in efficient spray coverage of the stalk, soil and trash surface. Apply in a minimum water volume of 250L/ha (approximately 3.8L/100 m row). Use the higher rate when pest pressure is heavy.
	Sugarcane wireworm (various)		Single row plantings: 1.1mL/100m single row length Double row plantings: 1.8mL/100m double length	-	Apply in the planting furrow over the top of the plant pieces (setts), in sufficient water to ensure coverage of the plant pieces and the surrounding soil.
Swedes and Turnips	Diamondback Moth (<i>Plutella xylostella</i>)	All States	250mL/ha	7 days (H)	Use according to the Croplife Resistance Management Strategy for diamondback moth control. The use is limited to 4 applications per year, preferably applied within an 8 week period.
Wine Grapevines	Fig longicorns (<i>Acalolepta vastator</i>)		100mL/ 100L		Apply as a single spray to dormant vines following pruning and prior to budburst. Apply only as a high volume spray using hand held equipment. Thorough coverage of vine trunks and cordons is essential for effective control. Refer to Application Wine Grapevines.

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

WITHHOLDING PERIODS:

(H) = Harvest, (G) = Grazing

ASPARAGUS

DO NOT HARVEST FOR 1 DAY AFTER APPLICATION

BANANAS

NOT REQUIRED WHEN USED AS DIRECTED.

BRASSICAS

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

COTTON

DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD

GINGER

NOT REQUIRED WHEN USED AS DIRECTED

WINE VINEGRAPES

NOT REQUIRED WHEN USED AS DIRECTED (H)

DO NOT FEED TRASH OR BY-PRODUCTS RESULTING FROM TREATED

GRAPEVINES TO LIVESTOCK (G)

MUSHROOMS

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

PASTURE

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION

POTATOES, SWEET

NOT REQUIRED WHEN USED AS DIRECTED

POTATOES

DO NOT GRAZE OR CUT FOR STOCK FOOD ANY PART OF FAILED CROP

(INCLUDING TUBERS)

SORGHUM

DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER

APPLICATION

SUGARGANE

DO NOT HARVEST FOR 12 WEEKS AFTER APPLICATION

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION

SWEDE AND TURNIPS

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED CROP

LIVESTOCK WITHHOLDING PERIOD

WITHHOLD STOCK FROM SLAUGHTER FOR 21 DAYS AFTER APPLICATION, WHERE STOCK WERE PRESENT IN CROP OR PASTURE AT TIME OF APPLICATION.

GENERAL INSTRUCTIONS

INSECTICIDE RESISTANCE WARNING

GROUP	2B	INSECTICIDE
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For insecticide resistance management, AC Emporium Insecticide is a Group 2B insecticide. Some naturally occurring insect biotypes resistant to AC Emporium Insecticide and other Group 2B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if AC Emporium Insecticide and other Group 2B insecticides are used repeatedly. The effectiveness of AC Emporium Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Axichem Pty Limited accepts no liability for any losses that may result from the failure of AC Emporium Insecticide to control resistant insects. AC Emporium Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Axichem representative or local agricultural department agronomist.

MIXING

Asparagus, Bananas, Brassicas, Cotton, Ginger, Wine Grapevines, Pasture, Potatoes, Sweet Potatoes, Sorghum and Sugarcane

Slowly add the required amount of product to water in the spray tank while stirring or agitating. Agitate while spraying.

Mushrooms

Add required amount of product to a small quantity of water, ensuring thorough mixing.

APPLICATION

Bananas – Ensure thorough coverage of butts, suckers and surrounding trash and exposed soil.

Bananas (Band Spray) – Example calculations of the quantity of AC Emporium Insecticide and minimum water volume required to treat a 100 m row length of bananas for various bandwidths:

Band width to be treated#	Spray area per 100 m row	Total quantity of AC Emporium Insecticide required per 100 m row*	Minimum recommended water volume per 100 m (Trash removed)*	Minimum recommended water volume per 100 m (Trash retained)*
1.5m	150m ²	60 mL	20 L	40 L
2.0m	200m ²	80 mL	27 L	54 L
2.5m	250m ²	100 mL	33 L	66 L
3.0m	300m ²	120 mL	40 L	80 L

Band width = butt diameter plus 30 cm on either side of the butt

*Rows should be treated from both sides. The quantities states are the total amounts to be applied, ie half of the stated quantity should be applied from each direction of spraying.

BRASSICAS

Ensure thorough coverage of foliage and heads.

COTTON

For ground application use a prepared spray volume of 35-75L/ha depending on the size of the crop. For aerial application, see “Aerial Application” instructions below.

GINGER

Apply as a spray to soil and incorporate to a depth of 200mm prior to planting.

WINE GRAPEVINES

AC Emporium Insecticide should be applied by hand held equipment as a high volume directed spray of approximately 500mL of solution per vine.

MUSHROOMS

Apply mixture to peat moss during preparation of casing, ensuring even mixing in peat moss.

POTATOES, SWEET POTATOES

Apply as a broadcast spray to the surface of the soil and incorporate to a depth of 15cm prior to planting.

SWEDES AND TURNIP

Ensure a thorough coverage of foliage.

AERIAL APPLICATION

Use spray techniques that minimise off-target spray drift. DO NOT use rotary atomisers. Use application volumes between 20L and 50L/ha. Achieve a droplet density of approximately 60droplets/cm² on a flat surface on the target. When spraying large droplets (>250mm), increase the application volume to >40L/ha to ensure sufficient droplets are produced. Aerial application is not recommended for Brassica and potato crops.

PRECAUTIONS

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). Clothing must be laundered after each day's use. Human flaggers, if used in aerial spraying operations, must be protected by enclosed cabs.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply in weather conditions or from spray equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT apply where bees from managed hives are known to be foraging, and where crops, weeds or cover crops are in flower at the time of spraying, or are expected to flower within 28 days (7 days for pastures and sorghum). Before spraying, notify beekeepers to move hives to safe location with an untreated source of nectar if there is potential for managed bees to be affected by the spray or spray drift. If an area has been sprayed inadvertently, in which the crop, weeds or cover crop were in flower or subsequently came into flower, notify beekeepers in order to keep managed bees out of the area for at least 28 days (7 days for pastures and sorghum) from the time of spraying. Where the owner of managed hives in the vicinity of a crop to be sprayed is not known, contact your State Department of Primary Industries/Agriculture, citing the registration number, for assistance in contacting the owner.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers or waterways with this product or the used container. DO NOT spray across open bodies of water. Highly toxic to fish and aquatic organisms. This product will kill susceptible non-target invertebrates, including beneficial species if they are exposed to drift. DO NOT apply aerially to brassicas and potatoes. A spray drift minimization 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.

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 empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm 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.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre (Phone Australia 13 11 26).

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet which is available from the supplier.

LABEL ELEMENTS

GHS Label Elements	
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SIGNAL WORD	DANGER
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Hazard Statement(s)

H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H302	Harmful if swallowed.

Precautionary statement(s) Prevention

P260	Do not breathe mist/vapours/spray.
P271	Use only outdoor or in a well-ventilated area.
P264	Wash all exposed external body areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves and protective clothing.

Precautionary statement(s) Response

P391	Collect spillage.
P301+P312	IF SWALLOWED: Call a POISON CENTRE/doctor/physician/first aider if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P330	Rinse mouth.
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P362+P364	Take off contaminated clothing and wash it before reuse.
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Precautionary statement(s) Storage

Not applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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LIMIT OF WARRANTY AND LIABILITY

Axichem Pty Ltd warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Axichem Pty Ltd, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repacking or reformulations. No licence under any non-Australian patent is granted or implied by purchase of this container.

In case of emergency: Phone 000, Police or Fire Brigade.

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