

POISON

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

AXE[®]

INSECTICIDE

ACTIVE CONSITUENT: 500 g/L PERMETHRIN (40:60)
SOLVENT: 396g/L LIQUID HYDROCARBONS

GROUP	3A	INSECTICIDE
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For the control of certain caterpillar pests of cereals, field peas, linseed, ornamentals, sugar cane, tobacco & vegetables as specified in the Directions for Use table

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

CONTENTS: 1 LITRE

FMC[®] FMC (Chemicals) Pty Ltd, Unit 6, 9 Archimedes Place, Murarrie QLD 4172

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. 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 bury containers in a local authority landfill. If no landfill is available, bury the containers below 500mm 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.

SPILLAGES

Liquid spillages should be absorbed into pumice or vermiculite, NOT sawdust, and disposed of safely. Refer to AVCARE Guidelines on Disposal of Spills. Contaminated area is to be washed down with cold water. Washings must not enter surface water or other waterways. During decontamination, operators should wear overalls, rubber boots, face shield or goggles.

SAFETY DIRECTIONS

Product is harmful if swallowed. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and face shield or goggles. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID


If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. Give a glass of water.

Additional Information is listed in the Material Safety Data Sheet.

*FMC is a Registered Trademark of FMC Corporation, Philadelphia, USA PA 19103.
FMC® is a licensed user of the tradename 'AXE' which is a Registered Trademark of Nufarm Technologies USA Pty Ltd.

BN:

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 FMC (Chemicals) Pty Ltd.
Unit 6, 9 Archimedes Place
Murarrie QLD 4172
Telephone: (07) 3908 9222

EAN 13 and EAN 128 barcodes and Item Print Code
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APVMA Approval No.: 54245/1L/0404

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DIRECTIONS FOR USE

Crop	Pest	States	Application Rate			Withholding Period	Critical Comments
			Ground Application	Aerial	High Volume		
Cabbages Cauliflower Brussel Sprouts Broccoli	Cabbage Moth (<i>Plutella xylostella</i>) Cabbage White butterfly (<i>Pieris rapae</i>)	All States	100 mL in 600-1000L water/ ha plus 10 mL/ 100L Ag-Spred wetting agent	-	10 mL/ 100 L spray to run off plus 10 mL/ 100 L Ag-Spred wetting agent	2 days	Add Ag-Spred wetting agent to the spray mixture. Apply AXE at the first sign of infestation and then as pest population indicates.
	Cabbage Cluster Caterpillar (<i>Crocidolomia binotalis</i>) Cabbage aphid* (<i>Brevicoryne brassicae</i>) Green Peach aphid* (<i>Myzus persicae</i>) *Suppression only	Qld & WA only					
	Cluster caterpillar (<i>Spodoptera litura</i>)		200 mL in 600-1000 L water/ ha plus Ag-Spred wetting agent	-	20 mL/ 100 L spray to run off plus 10 mL/ 100L Ag-Spred wetting agent		
Citrus spp (Non-bearing trees only)	Citrus leaf miner (<i>Phyllocnistis citrella</i>)	NSW & WA only	10 mL/ 100L water	-	-	-	During period of leaf flush, nursery plants should be sprayed every 21 days when evidence of active citrus leaf-miner infestation is present. A spray or dip should also be applied prior to despatch of plants from nurseries which are located in areas where the citrus leaf-miner is known to occur. Sprays and dips should ensure thorough wetting of foliage.
Celery	Lucerne leaf roller (<i>Merophyas divulsana</i>)	WA only	-	-	50 mL/ 100L	1 day	Apply every 7 days commencing 1 week after planting out up to within 2 days of harvest. Thorough application essential. Add Ag-Spred wetting agent.

Field Peas	Native budworm (<i>Helicoverpa punctigera</i>)	Tas & WA only	150-250 mL/ha in 200-500 L water/ha	150-250 mL/ha in 20-30 L water/ha	-	2 days	Apply at flowering as pest populations indicate. Use higher rate when larvae larger than 10mm are present.
Green beans	Native budworm (<i>Helicoverpa punctigera</i>)	All States	150-200 mL/ha in 200-500 L water/ha	150-200 mL/ha in 20-30 L water/ha	-	3 days	Apply at flowering as pest population indicates. Use higher rate when larvae larger than 10mm are present.
	Tobacco budworm (<i>Helicoverpa armigera</i>)	Vic, NSW, SA, WA & Qld only					
Green peas	<i>Helicoverpa spp.</i>	NSW & WA only	150-250 mL/ha in 200-500 L water/ha	150-250 mL/ha in 20-30 L water/ha	-	3 days	Apply from flowering as pest populations indicate. Use higher rate when larvae larger than 10mm are present.
Lettuce	Cluster caterpillar (<i>Spodoptera litura</i>)	Qld & WA only	10-20 mL/100 L	-	-	2 days	Apply as pest population indicates. Use higher rate if larvae larger than 10mm are present.
Linseed	Native budworm <i>Helicoverpa punctigera</i>	Tas & WA only	200-300 mL/ha in 30-100 L water/ha	200-300 mL/ha in 10-30L water/ha	-	7 days	Apply as pest populations indicate. Use higher rate when larvae larger than 10mm are present.
Nurseries, flowers & other ornamentals except ferns	<i>Helicoverpa spp.</i> Light brown apple moth (<i>Epiphyas postvittana</i>)	All States	100-200 mL in 1000L water/ha	-	10-20mL/100 L spray to run off	-	Apply as pest populations indicate. Use higher rate when larvae larger than 10mm are present. Note: AXE may cause leaf burn on some species when more than one spray is used.
Potatoes	Potato moth (<i>Phthorimaea operculella</i>)	All States	150-200 mL/ha in 100-250 L water/ha	150-200 mL/ha in 30 - 100 L water/ha	15-20 mL/100 L spray to run off	2 days	Treat infestation in early stages and then at 2-3 week intervals or as necessary. Use higher rate for dense canopy or if large larvae are present in vines.
Sweet corn	<i>Helicoverpa spp.</i>	All States	100-200 mL/ha in 200-450 L water/ha	-	15-20 mL/100 L spray to run off	2 days	Spray at tassel emergence then at 3-7 day intervals as necessary
		Vic, NSW, Tas, SA, WA only	-	250 mL/ha in 20-30 L water/ha	-		
		Qld only	-	200 mL/ha in 20-30 L water/ha	-		

Sugar Cane	Common armyworm (<i>Mythimna convecta</i>) Northern armyworm (<i>P. separata</i>) Sugar cane armyworm (<i>Leucania loreymimima</i>) Sugar cane looper (<i>Mocis frugalis</i>)	Qld, WA & NSW only	-	100-200mL/ha in 20 - 30L water/ha	-	-	Apply as pest population indicates. Use a higher rate if larvae larger than 10mm are present.
Tobacco	Tobacco budworm (<i>Helicoverpa armigera</i>) Native budworm (<i>Helicoverpa punctigera</i>) Cluster caterpillar (<i>Spodoptera litura</i>)	Vic, WA, NSW & Qld only	100-200 mL/ha in 250-600 L water/ha	-	10-20 mL/ 100 L spray to run off	2 days	Spray as indicated by crop checking. Usually a minimum interval is 7 days. Good spray coverage is essential. Use the higher rate when large larvae (more than 10 mm) are present.
Tomatoes	Tomato grub (<i>Helicoverpa armigera</i>)	Vic, NSW, SA, WA & Qld only	100-200 mL/ha in 500-1500 L water/ha	-	15-20 mL/ 100 L spray to run off	2 days	Apply as pest populations indicate from flowering. Usually 7-14 day intervals are required between sprays, with higher rates and shorter intervals necessary for continuous high pest incidence.
	Native budworm (<i>Helicoverpa punctigera</i>)	All States		-			
	Green looper (<i>Chrysodexis spp</i>) Potato moth (<i>Phthorimaea operculella</i>)	Qld, NSW, SA & WA only		-			

Wheat, Oats & Barley	Common armyworm (<i>Mythimna convecta</i>) Southern armyworm Barley grub (<i>Persectania ewingii</i>)	All States	100-200 mL/ha in 30-100L water/ ha	100-200 mL/ha in 20- 30L water/ ha	-	3 days	Apply as pest populations indicate. Use higher rate if larvae larger than 10mm are present.
	WA webworm (<i>Hednota spp</i>)	WA & SA only	50 mL/ha in 30-100 L water/ ha	50 mL/ha in 10-30 L water/ ha	-		Apply as pest populations indicate
	Pink or common cutworm (<i>Agrotis spp</i>)		25 mL/ha in 30-100 L water/ ha	25 mL/ha in 10-30 L water/ ha	-		

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

WITHHOLDING PERIOD

DO NOT HARVEST THE FOLLOWING CROPS FOR THE NUMBER OF DAYS SHOWN AFTER APPLICATION :

- 1 Day - Celery**
- 2 Days - Cole crops, Field peas, Lettuce, Potatoes, Sweetcorn, Tobacco, Tomatoes**
- 3 Days - Green peas, Green beans, Wheat, Oats, Barley**
- 7 Days - Linseed**

GENERAL INSTRUCTIONS

AXE is a contact and residual synthetic pyrethroid insecticide. Thorough spray coverage of crops is essential to ensure adequate control. This product can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing larvae.

Insecticide Resistance Warning

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For insecticide resistance management AXE Insecticide is a Group 3A insecticide.

Some naturally occurring insect biotypes resistant to AXE Insecticide and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if AXE Insecticide or other Group 3A insecticides are used repeatedly. The effectiveness of AXE Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FMC (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of AXE Insecticide to control resistant insects.

AXE Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, FMC (Chemicals) Pty Ltd representative or local agricultural department agronomist.

APPLICATION: **Axe** can be applied by low volume boom spray, in high volume, or in aircraft. The Directions for Use table contains details of the water volumes to use for specific crops and methods of application. Applications should be made as a fine spray preferably using hollow cones nozzles and a droplet size of 150-200 microns. If possible apply during the cooler parts of the day or evening. If applying this product by aircraft spray in a cross wind. Avoid spraying in calm conditions or when wind is light and variable.

MIXING: Add the required quantity to water in the spray tank and mix thoroughly. Maintain agitation during mixing and application. This product mixes readily with hard or soft water.

COMPATIBILITY: **Axe** is compatible with most commonly used fungicides and insecticides, including copper oxychloride, Dithane M-45 and Antracol. Do not mix with more than one of these products.

Protection of crops and non-target plants

DO NOT contaminate neighbouring crops or pastures with concentrate, spray or rinsings.

Protection of livestock

Dangerous to bees. DO NOT spray on any plants in flower while bees are foraging.

Protection of wildlife, fish, crustaceans and environment

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

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FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed do NOT induce vomiting. Give a glass of water.

Additional Information is listed in the Material Safety Data Sheet.

WARRANTY

FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or storage of this material when such use and/or handling and/or storage of this material is contrary to label instructions.

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