

# POISON

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

## Fury<sup>®</sup> 14 ULV Insecticide

ACTIVE CONSTITUENT: 14 g/L ZETA-CYPERMETHRIN  
SOLVENT: 200 g/L LIQUID HYDROCARBON

GROUP	<b>3A</b>	INSECTICIDE
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For the control of *Helicoverpa* spp. and certain other insect pests in cotton,  
field peas, sorghum and certain other crops  
as specified in the Directions For Use Table

### CONTENTS: 20, 200, 1000 Litres

**FMC<sup>®</sup>**

FMC International A.G.  
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<b>N.R.A.</b>	
APPROVED LABEL (TEXT)	
Label No:	<u>51881/0400</u>
Date:	<u>09.05.2000</u>
Signature:	<u>[Signature]</u>

# DIRECTIONS FOR USE

**RESTRAINTS: Do not apply if rain is expected within 6 hours.**

Crop	Pest Controlled	States	Application Rate	WHP	Critical Comments
Cotton	Native budworm ( <i>Helicoverpa punctigera</i> )	QLD, NSW & WA only	2.9-3.6L/ha	14 days (Harvest)	Apply when egg laying reaches a "threshold" of 25 eggs or 12 newly hatched larvae per 100 terminals.
	Cotton bollworm ( <i>Helicoverpa armigera</i> )		3.6-4.6L/ha		Use higher rate when egg laying is continuous and/or larvae larger than 1cm are present. On occasion, when other methods have failed to control <i>Helicoverpa spp.</i> , two applications at the higher rates and a short interval may be required prior to using lower rates as mentioned.
	Cotton looper ( <i>Anomis spp.</i> )		2.9-5L/ha		Apply as pest populations indicate.
	Rough bollworm ( <i>Earias huegeliana</i> )		2.7-3.6L/ha		Apply when an average of 2 or more larvae are present per 100 bolls. It is essential to detect and treat infestations in the early stages. Application may be marginally effective on an established or concealed infestation in bolls deep in the canopy of a mature crop.
Field Peas	Pea weevil ( <i>Bruchus pisorum</i> )	SA & WA only	1.4L/ha	4 weeks (Harvest)	Monitor crops with a sweep net when the first pods are formed, and thereafter at least at weekly intervals. Monitor crops on warm (20°C or higher) days. Spray when one or more adult beetles per 25 sweeps are found.
		VIC only			Monitor the edge of the crop with a sweep net at first flowering and then every 2-3 days. Spray when one or more adult weevils per 25 sweeps are found.
		NSW only	2.3L/ha		Monitor crop with a sweep net at first flowering and then at weekly intervals on warm (20°C or higher) days. Spray when one or more adult beetles per 25 sweeps are found.
	Native budworm ( <i>Helicoverpa punctigera</i> )	SA & WA only	1.4L or 1.8L/ha		Monitor crops with a sweep net, when the first pods are formed and thereafter at least at weekly intervals on warm (20°C or higher) days. Spray when average numbers exceed one per 5 sweeps of the net. Use lower rate if caterpillars are less than 1 cm long (often this will coincide with the weevil treatment). Use higher rate if caterpillars are 1cm or greater in length.
		VIC only			Monitor crop with a sweep net or by shaking onto a white cloth. Use lower rate if caterpillars are less than 1cm long (often this will coincide with the weevil treatment). Use higher rate if caterpillars are 1cm or greater in length.
		NSW only			Monitor with a sweep net at first flowering, and then at weekly intervals. Spray when one or more caterpillars per 25 sweeps are found. Use higher rate if caterpillars are 1cm or greater in length.

**DIRECTIONS FOR USE (cont)**

Crop	Pest Controlled	States	Application Rate	WHP	Critical Comments
Maize	Corn earworm ( <i>Helicoverpa armigera</i> )	NSW, VIC & WA only	2.7-3.6L/ha	7 days (Harvest)	Cob damage tolerated is variable according to market requirements. For fresh market corn, spray at tassel emergence, then at intervals of 5-8 days until silks wither. For processing corn and maize apply at early silking. Use the higher rate if larvae larger than 1cm are present.
		QLD only	2.1-3.6L/ha		
Sorghum	Corn earworm ( <i>Helicoverpa armigera</i> )	NSW, QLD & WA only	2.1-3.6L/ha	14 days (Harvest)	Apply when larvae numbers reach 2 per head. Use the higher rate if larvae larger than 1cm are present.
	Sorghum midge ( <i>Contarinia sorghicola</i> )		1.3-2.7L/ha		Apply when midge numbers reach 1-2 per head across the whole field from head emergence to completion of flowering. Use highest rate for increased residual protection.
Soybeans, Navy and Mung Beans	Native budworm ( <i>Helicoverpa punctigera</i> )	NSW, QLD & WA only	2.7-3.6L/ha	7 days (Harvest)	Apply when flower or pod feeding larvae numbers reach 2 per metre of row in soybeans, 1-2 per metre of row in navy beans, 1 per metre of row in mung beans. Use higher rate when larvae larger than 1cm are present or when canopy is dense.
	Cotton bollworm ( <i>Helicoverpa armigera</i> )				Apply as pest populations indicate. Use higher rate when larvae larger than 15mm are present.
Sunflowers	Native budworm ( <i>Helicoverpa punctigera</i> )	NSW only	2.7-3.6L/ha	21 days (Harvest)	Apply when an average of more than 2-3 larvae are present per head where fungal rots are a problem; otherwise apply when larvae are damaging plants. Use higher rate for better knockdown when larvae larger than 1cm are present.
	Cotton bollworm ( <i>Helicoverpa armigera</i> )	QLD only			Apply when larvae are damaging plants. Use higher rate for better knockdown when larvae larger than 1cm are present.
	Grey cluster bug ( <i>Nysius clevelandensis</i> )	NSW & QLD only			Apply when numbers reach 10-15 adults per plant at budding in dry land crops or 20-25 in irrigated crops. After flowering, apply when there are 20-25 adults on the face of heads.
	Rutherglen bug ( <i>Nysius vinitor</i> )	NSW, QLD & VIC only			If flowering has started, application should be deferred until after flowering is complete but before the heads turn down. If treatment is unavoidable during flowering and bees are actively foraging in the crop, spraying must take place in the very early morning or very late afternoon.
Sweet corn	Corn earworm ( <i>Helicoverpa armigera</i> )	WA, SA, VIC, NSW & QLD only	2.7-3.6L/ha	7 days (Harvest)	Cob damage tolerated is variable according to market requirements. For fresh market corn, spray at tassel emergence, then at intervals of 5-8 days until silks wither. For processing corn and maize apply at early silking. Use the higher rate if larvae larger than 1cm are present.
	Native budworm ( <i>Helicoverpa punctigera</i> )	TAS only			
	Common armyworm ( <i>Leucania convecta</i> )	WA, SA, VIC & NSW only			

## DIRECTIONS FOR USE (cont)

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

### WITHHOLDING PERIODS:

#### **Cotton:**

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

#### **Sunflowers:**

DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION

#### **Field Peas:**

DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION

#### **Maize, Mung Beans, Navy Beans, Soybeans, Sweet Corn:**

DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION

#### **Sorghum:**

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

### GENERAL INSTRUCTIONS

Fury 14ULV Insecticide is a contact residual insecticide. For cotton uses Fury 14 ULV Insecticide should be used according to the Cotton Best Management Practices Manual. For best results it should be applied as a protective treatment at regular intervals. Best results will be obtained by spraying at egg-hatch.

Fury 14ULV Insecticide should only be applied by aircraft equipped with suitable rotary atomisers. The spray should be applied with a droplet size VMD of 80-100 microns.

### N.B.

*Helicoverpa* (Heliiothis) *armigera* resistance in Northern New South Wales and Queensland:

To help contain pyrethroid resistance in *Helicoverpa armigera*, the Summer Crop Insecticide strategy as developed by the Queensland Department of Primary Industries and NSW Agriculture should be adhered to. Failure to observe the strategy may result in widespread resistance affecting the future viability of summer cropping.

### INSECTICIDE RESISTANCE WARNING

GROUP
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3A
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INSECTICIDE
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For insecticide resistance management Fury 14 ULV Insecticide is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to Fury 14 ULV 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 Fury 14 ULV Insecticide or other Group 3A insecticides are used repeatedly. The effectiveness of Fury 14 ULV Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FMC International A.G. accepts no liability for any losses that may result from the failure of Fury 14 ULV Insecticide to control resistant insects. Fury 14 ULV Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, FMC International A.G. representative or local agricultural department agronomist.

### MIXING

Add the required quantity of Fury 14 ULV Insecticide directly to the spray tank.

### APPLICATION

Apply as indicated by field checks. For best results, application should be timed to coincide with egg hatching. When using the lower dose rates the spray interval should not exceed 9 days. Spray application should be carried out during the cooler parts of the day or night. Do not apply if rain is expected within 6 hours.

### COMPATIBILITY

Do not mix with other chemicals.

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**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 and a washable hat and chemical resistant gloves. Clothing must be washed after each day's use.

**PRECAUTION**

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

**SPILLAGE**

Spillage - In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste as indicated below or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Do NOT allow spilled product to enter sewers, drains, creeks or any other waterways.

**PROTECTION OF LIVESTOCK**

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

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT**

Dangerous to fish. Do NOT contaminate fish ponds, streams, rivers or waterways with the chemical or used containers. Do NOT contaminate neighbouring crops, pastures and waterways with concentrate, spray or washings. Do NOT discharge waste liquid into waterways. Wash out containers thoroughly and dispose of safely. Never repack from this container.

20 and 200 Litre containers only
<b>STORAGE AND DISPOSAL</b> Store in the closed, original container in a cool, well ventilated area away from children, animals, food and feed stuffs. Do not store for prolonged periods in direct sunlight.  Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Break, crush, puncture and bury containers in a local authority landfill. If not available, bury the container below 500 mm in a disposal pit. Empty containers and product should not be burnt.

1000 Litre container only
<b>STORAGE AND DISPOSAL</b> Store in the closed, original container in a cool, well ventilated area away from children, animals, food and feed stuffs. Do not store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS**

May irritate the eyes, nose, throat and skin. Facial contact may cause temporary facial numbness. Avoid contact with eyes and skin. Do not inhale spray mist. Wash hands after use. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. After each day's use, wash gloves, goggles and contaminated clothing.

Fury 14 ULV Insecticide – 20, 200, 1000 Litre Draft Label	5 of 6	Thursday, March 30, 2000
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**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF.

Additional information is listed in the **Material Safety Data Sheet FMC/FURY/ULV/1**, which can be obtained from the supplier.

**WARRANTY**

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

**For specialist advice phone (07) 3801 4799  
during office hours**

**DOM:**

**NRA Approval No:** 51881/0400

**Batch No:**

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