279-3027

4/8/2003

Net Contents

Code 537

RESTRICTED USE PESTICIDE Toxic to fish and aquatic organisms

For retail sale to, and use only by, Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.



EPA Reg. No. 279-3027

EPA Est. 279-

Active Ingredient

* Cypermethrin **	 30.6%
Inert Ingredients***	 69.4%

100.0%

*(±) α-Cyano (3-phenoxyphenyl)methyl (±) cis/trans 3-(2,2-dichlo-roethenyl)-2,2 dimethylcyclopropane carboxylate **Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans ***Contains xylene range aromatic solvents.

Contains 2.5 pounds cypermethrin per gallon.

Technical made in China. Formulated and packaged in the USA. U.S. Patent No. 4.024.163

KEEP OUT OF REACH OF CHILDREN CAUTION AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaille. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

If inhated: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.



FMC Corporation Agricultural Products Group Philadelphia PA 19103 Ammo2.5EC_3_2-28-2003

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information.

Note to Physician:

Like the natural pyrethrins, the synthetic derivative is expected to have Like the natural pyremins, the synthetic derivative is expected to have relatively minor toxicity in humans; in fact, any significant acute toxic effects are more likely from a carrier hydrocarbon solvent. Consequently, induction of vomiting may increase the likelihood of the most important toxic potential, chemical pneumonia, and so should either be avoided or done only under medical supervision. Ingestion of a large amount calls for gastric lavage, with care (Trendelenburg position, suction available, cuffed endotracheal tube if patient is upponential). position, social available, cured endoracheat tube in patient is unconscious) to avoid intrapulmonary aspiration. A saline cathartic (sodium or magnesium sulfate), 15-30 gm. dissolved in water should be given, as should 15-20 gm. activated charcoal as a slurry in water. Digestible fats, oils or alcohol may increase absorption and so should be avoided. Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without transment. without treatment.

For Emergency Assistance Call (800) 331-3148

See other panels for additional precautionary information.

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution

Harmful if absorbed through skin, inhaled or swallowed. Causes eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, may cause sensitization reaction in some individuals. Avoid contact with eyes or clothing.

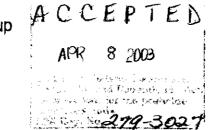
Product should be opened and poured in a well ventilated area.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks must wear: Coveralls over short-sleeved shirt and short pants, Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, Shoes plus socks, and Protective eyewear.

Handlers who may be exposed to the concentrate through mixing, loading, application or other tasks must wear: Coveralls over short-sleeved shirt and short pants, Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton Schost plur socks Protection expression and Chemical resistant Viton, Shoes plus socks, Protective eyewear, and Chemical-resistant apron when mixing or loading.



Fotlow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detargent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

Wash hands before eating, drinking, chewing gurn, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

Physical/Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Resistance. Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralis over short-sleeved shirt and short pants, Chemicalresistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, Shoes plus socks, and Protective eyewear.

STORAGE AND DISPOSAL

Pesticide Storage

Do not store below 10*F, (-12*C).

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat.Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC (800-331-3148).

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container, identify contents.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federat law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Disposal

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refittable Sealed Containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

Chemigation Use Directions

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other expents. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection nump when the water pump motor stops.

The irrigation line or water pump is include a functional pressure switch which will stop the water primp motor when the water pressure decreases to the point where posticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm rump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Ammo[®] 2.5 EC insecticide should be applied continuously for the duration of the water application. Ammo 2.5 EC should be diluted in sufficient volume to insure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation is not required when a suitable diluent is used.

GENERAL INSTRUCTIONS

Use low rate under light to moderate infestation. Higher rates should be used under heavy insect pressure. The rate of application is variable according to insect pressure, timing of spray and field scouting.

Rotational Crops

With the exception of the crops listed below, rotational crops may not be planted within 30 days after last application.

Tank-Mixture

Ammo[®] 2.5 EC Insecticide may be applied in tank mixtures with other products approved for use on cotton, brassicas, bulb vegetables, head lettuce, and pecans. Observe all restrictions and precautions which appear on the labels of these products.

For improved control of aphids and mites on cotton, Ammo 2.5 EC may be tank-mixed with Curacron[®] 8E. The tank-mixture is most effective when pest populations are first observed. Subsequent applications may be needed to maintain control.

Spray Drift Precautions

Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include Ambush^e, Ammo^e, Asana^e XL, Baythroid^e, Capture^e, Danitol^e, Fury^e, Karate^e, Mustang, Scout^e X-TRA, and Warnior^e.

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

Do not apply by ground equipment within 25 feet, or by air within 150 feet of lakes; reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultra low volume (ULV) application is made.

For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.

Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Do not cultivate within 10' of the aquatic area so as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and Increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface. Maximum Usage When Applying Both Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season.

Do not apply more than the maximum seasonal total for either product when used alone, and do not apply more than the combined maximum seasonal total for both products as outlined in the table below.

Сгор		Seasonal Tota Used Alone (Ib		Maximum Seasonal Total When Applying Both Products to the Same Crop (Ibs ai/acre)	
	Zeta-cypermethrin* Cypermethr			Zeta-cypermethrin * plus	
	Fury or Musikeng* Musikeng Ma			Cypermethrin **	
Cotton	0.3	0.15	0.6	0.6	
Head and Slem Brassica	0.3	0.15	0.6	0.6	
Londy Bransica Greens	0.3	0.15	0.4	0.4	
Head Lettuce	0.3	0.15	0.6	0.6	
Buib Vepetables	0.25	0.125	0.5	0.5	
Pecans	0.3	0.15	0.6	0.6	

* Fury or Mustang (1.5 EC or 1.5 EW); Mustang Max (0.8 EC).

** Any cypermethrin product approved for crop use.

Cotton (14 day phi)

PEST DOSAG			REMARKS	
PE91	LB/AI/A	FLOZ/A		
Preémergent Use: Cutworms	0.025 to 0.1	1.3 to 5	Use Ammo 2.5 EC in the time period from 14 days prior to planting up to emergence of the crop. Apply as a broadcast spray by ground or air, banded (including T-band) or in- furrow spray using sufficient spray volume to achieve adequate coverage. Reduced volumes of water may be used with specialized equipment. Use a minimum of 1 gellon of water per acre by air. Use the higher rates of Ammo 2.5 EC when incorporating into the soli.	
Foliar Use: Cutwoms Tobacco Thripa Soybean (banded) Thrips	0.025 to 0.1	1.3 to 5	Ammo 2.5 EC may be applied in water or refined vegetable oil. Wh water is used, apply a minimum of one gailon of finished spray per a by air or five gations of finished	
Folier Use: Boil Wsevil Cabbage Looper Cotton Boilworm Cotton Fleahopper Cotton Leaf Perforator Europeen Com Borer	0.04 to 0.1	2 to 5	spray with ground equipment. Whet applying in water by air, one quart of emulaisfeet of may be substituted to one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray.	
Fall Annyworm Lygue Buge Other Plant Bugs Pink Bollworm Saitmarsh Caterpillar Tamished Plant Bug Tobacco Budworm White Files' Yellow Striped Armyworm			Ammo 2.5 EC may be injected into overhead sprinkler (rrigation water provided 1) an anti-backflow check valve is present between the injection port and the water source, 2) a check valve is present in the time to prevent imgation water from entering the chemical supply tank and 3) the imgation injection syster has interlocking on-off switches.	
Foliar use: Best Armyworm**	0.06 to 0.1	3 to 5	For boll weevil control, apply Ammo 2.5 EC at a 3 to 4 day interval until pest numbers are reduced to acceptable ievels.	
			A maximum of 0.6 lb. active ingredient may be applied per acre per season.	
			Do not graze or feed cotton for forage.	

*Alds in control

"For control of beet armyworms only in the high plains of Texas, Arizona, and California.

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Head and Stem Brassica Vegetables including: Broccoli; Chinese Broccoli (gal ion, white flowering broccoli); Brussels Sprouts; Cauliflower; Cavalo broccolo; Kohirabi; Cabbage; Chinese Cabbage (napa) (tight-heading varieties only) (1 day phi)

FLOZ/A 2.5 to 5	REMARK\$
2.5 10 5	
	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.
	Lower rates of Ammo 2.5 EC insecticide should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations. Do not make applications less than 7 days apart
3.75 to 5	A maximum of 0.6 lb. active ingredient may be applied per acre per season.
	In areas where and climatic conditions persist, such as California and Artzona, higher thar minimum recommended rates may be required.
	Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce and onions
	*nids in control

Lettuce, Head. (5 day phi)

Apply in water as necessary for insect control using a minimum of 15 gallons of finished apray per acre with ground equipment and 5 gallons per acre by air. Lower rates of Ammo 2.5 EC should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect
should be used under light to moderate insect pressure. Higher rates should be used to control
populations.
A maximum of 0.6 lb. active ingradient may be applied per acro per season.
In areas where arid climatic conditions persist, such as California and Arizona, higher that minimum recommended rates may be required.
Follow appropriate spray drift precautions listed for cotion, brassicas, lettuce and onions.

Bulb Vegetables (Allium spp.) including: Garlic; Garlic, Great-Headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welch; Shaliots, Dry Bulb and Green; Spring Onion or Scallions. (7 day phi)

	FLOZ/A	REMARKS
0.08 to 0.1	4 to 5	Apply Ammo 2.5 EC in a minimum
0.04 to 0.1	2 to 5	of 20 gallons per acre with ground equipment or in a minimum of 3 gallons per acre by aircraft. Begin applications when pests appear. Do not make applications less that 7 days apart.
		To control Onion Thrips:
		Use higher rates as population increases and avoid rescue situations. Use of a crop oil concentrate at 16 \$. oz/A is recommended.
		A maximum of 0.5 lb. active ingredient may be applied per acre per season.
		Do not graze livestock in treated areas or cut treated crops for feed.
		Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce and onions.

Leafy Brassica Greens including: Broccoli Raab (rapini) ; Chinese cabbage (bok choy); Chinese Mustard Cabbage (gai choy); Collards; Kale; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens. (1 day phi)

Cutworms Com Earworm Tobacco Budworm Lygua Bugs	0.05 to 0.1	FLOZ/A 2.5 to 5	Apply in water as necessary for
Saltmarsh Caterpillar			Insect control using a minimum of 15 gallons of finished epray per acre with ground equipment and 5 gallons per acre by air.
Caterparent Leafhoppers Fisa Baetles Imported Cabbageworm Cucumber Beetles Aphids* Whiteflies*			Lower rates of Ammo 2.5 EC insecticide should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations. Do not make applications less than 7 days apart
Armyworms Loopers Stinkbugs Crickets	0.075 to 0.1	3.75 to 5	A maximum of 0.4 lb active Ingredient may be applied per acre per season.
Ground Beetles Onion Thrips Wireworm (adults)			In areas where and climatic conditions pensist, such as California and Arizona, higher than minimum recommended rates may be required.
			Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce and onions.
	l		*aids in control

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Pecans. (21 day phi)

PEST	DOSA LB/AI/A	GE FLOZ/A	REMARKS
Black Pecan Aphid Hickory Shuckworm Pecan Nut Camebearer Pecan Weavil Yellow Pecan Aphid	0.06 to 0.10	3 to 5	Applications at the lower rate should be made when past populations are low. Rates should be increased as the past pressure increases. Apply by ground equipment to the point of drip. Use 100 galons of dilute spray per acre for smaller trees. For larger trees which require higher galonage to achieve adequate coverage, apply in 200 to 300 galons of water needed to spray one acre of your trees to the point of drip, you may need to conduct a test. If you do not know how to conduct such a test with your equipment, you should request assistance from your equipment dealer. Up to 0.6 Ib active ingredient per acre season may be applied prior to shuck split. Do not graze livestock in treated orcherds or cut treated cover crops for feed.

Dealers Should Sell in Original Packages Only.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control or FMC or Seller. All such falls before the provide the control or FMC or Seller. risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes Stated on the Directions for Use when used in accordance with the directions under normal conditions of use. FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OF USE DOSTUNIE OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such Line.

In no event shall FMC or seller be liable for any incidental, consequential In no event shall FMC or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT. PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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