

Code 3787

**RESTRICTED USE PESTICIDE**

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.

# **Ammono<sup>®</sup> 2.5 Miscible Insecticide**

EPA Reg.No. 279-30

EPA Est. No. 279-

Active Ingredients

\* Cypermethrin \*\* ..... 30.6%

Inert Ingredients ..... 69.4%

100.0%

Contains xylene range aromatic solvents.

(±) Cyano (3-phenoxyphenyl) methyl (±) *cis/trans* 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropane carboxylate

\*\**Cis/trans* ratio: Max. 55% (±) *cis* and min. 45% (±) *trans*

Contains 2.5 pounds cypermethrin per gallon.

U.S. Patent No. 4,024,163

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**AUG 28 1984**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

279-3046

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

For Emergency Assistance Call 716-735-3765

See other panels for additional precautionary information.

# **FMC.**

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia Pennsylvania 19103

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## First Aid:

If swallowed: Do not cause vomiting. Call a physician.

If on skin: Wash thoroughly with soap and water.

If in eyes: Flush thoroughly with water. If signs of irritation persist, contact physician.

If inhaled: Exposure to vapor or dust may cause tingling or numbness of exposed areas, especially the face, but this is temporary and requires no treatment. Lung irritation from breathing vapors is possible, and medical attention should be obtained if it is severe.

## Note to Physician:

Like the natural pyrethrins, 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 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 treatment.

## PRECAUTIONARY STATEMENTS

### Hazards to Humans

#### Danger

Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear goggles or face shield. Harmful if inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Applicators must wear protective clothing. Mixers and loaders must wear full face shield, impermeable gloves and protective clothing.

### Environmental Hazards

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

This product is extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment, or disposal of wastes.

### Physical or 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.

#### Re-Entry Statements

Do not treat areas while unprotected humans or domestic animals are present in the treatment area.

Do not allow entry into treated areas without protective clothing until sprays have dried.

State re-entry regulations will apply if they are more restrictive than those stated on this label. Consult with State regulatory officials.

## 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 collect: (716) 735-3765.

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 Federal 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 at the nearest EPA Regional Office for guidance.

### Container Disposal

**Glass Containers:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

**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.

## Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**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 handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

CROP	INSECT	DOSAGE		REMARKS
		LB A/A	FL OZ/A	
Cotton	Tobacco Thrips	0.025-0.1	1.3-5	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.
	Soybean (banded) Thrips			
	Beet Armyworm	0.04-0.1	2-5	Ammo 2.5EC may be applied in water or refined vegetable oil. If water is used, apply a minimum of one gallon of finished spray per acre by aircraft or five gallons of finished spray per acre with ground equipment. When using oil, use a minimum of one quart per acre in the finished spray.
	Fall Armyworm			
	Yellow Striped Armyworm			
	Cotton Bollworm			
	Pink Bollworm			
	Tobacco Budworm			
	Tarnished Plant Bug			
	Lygus Bugs			
	Cotton Fleahopper			
	Cotton Leafperforator			
	Cabbage Looper			
	Boll Weevil			
	Cutworms			
	Plant Bugs	Do not make more than 15 applications per season.		
	White Flies		Do not apply within 14 days of harvest.	
		Do not graze or feed cotton for forage.		
		Do not plant rotational crops within 30 days after last application.		

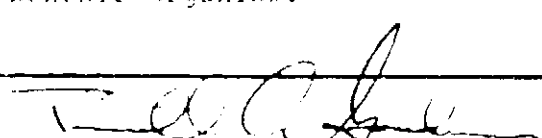
When applying in water by aircraft, one quart of oil may be substituted for one quart of water per gallon of finished spray.

FMC and Ammo—FMC Trademarks

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	APPRO 2.5 BIFENYDIN INSECTICIDE	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
IMC Corporation Agricultural Chemicals Division 2000 Market Street Philadelphia, PA 19103		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) and (B), since you have agreed to the following conditions.		
1. Submit the following data by November 30, 1984		
a. Efficacy studies, particularly at lower application rates and at longer spray intervals, in several states that produce cotton.		
b. An applicator exposure study using protective clothing and equipment.		
c. A dermal absorption study.		
2. Submit a protocol of the following studies by June 30, 1984.		
a. Field dissipation study which identifies the formation and decline of the major metabolites identified in the soil metabolism studies (3-phenoxybenzoic acid and DCVA). In addition, analytical methodology should be developed to determine the presence of these degradates in the field environment. The soil sampling should continue until patterns of formation and decline of degradation products in the field are established or until 18 months have elapsed since cypermethrin application, whichever comes first.		
b. Protocol on field study to assess the impact that cypermethrin may have (if any) on the benthic organism.		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		8-28-84

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You will submit the field dissipation study and field monitoring studies to the Agency no later than April 30, 1986.

- c. You will conduct the above studies in accordance with EPA Guidelines and submit the data to the Agency by the designated dates.
3. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on cotton is conditionally registered, in accordance with Section 29 of FIFRA. The fiscal year begins October 1 and ends September 30.

The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Liaison Team  
Process Coordination Branch  
Registration Division (TS-767)  
Environmental Protection Agency

4. Make the following labeling changes before you release the product for shipment bearing the amended labeling:
  - a. Add to the label the statement, "Restricted Classification."
  - b. Add EPA Registration No. 279-3046 to the final printed label.
5. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

Please note that the Conditional Registration of this product expires December 31, 1984.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

A stamped copy of the label is enclosed for your records.

Timothy A. Gardner  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

RD/IPB:A.Heyward:DCR-45329:WANG-0103N:eg:Raven:479-2013:8/27/84:Del.9/9/84