279-3027 PM15 1007

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☐ REGISTRATION ☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

EPA REGISTRATION NO. 279-3027

DATE OF ISSUANCE JUN 15 1989

TERM OF ISSUANCE Until July 1, 1992

NAME OF PESTICIDE PRODUCT

Ammo 2.5 FC Insecticide

NAME AND ADDRESS OF REGISTRANT *(Include ZIP code)*

FMC Corporation
Agricultural Chemical Group
2000 Market Street
Philadelphia PA 19103

330, 24407
8 12

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 Section 3(c)(7)(C) since you agreed to:

1. Conduct the aquatic mesocosm study through completion and submit a final report of this study in accordance with the attached EPA approved protocol dated June 12, 1989.

2. Have the mesocosms filled with water no later than August 15, 1989.

3. Submit progress reports bimonthly beginning September 1, 1989 through November 1, 1991. The reports must include information on how many samples of each type have been collected, how many have been analyzed and how many remain to be analyzed. While these reports do not need to include raw data, you must upon request be prepared to submit raw data, even if it has not yet been corrected, to document the accuracy of the bimonthly report. Each subsequent report must include the information required in the previous report plus the new information.

4. Submit the final study by December 31, 1991.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL [signature] DATE 6/15/89

EPA Form 8570-6 (Rev. 5-76) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

5. Submit the following supplemental information regarding the conduct of the mesocosm study by July 1, 1989:

a) Residue data for the slurry and drift application methods.

b) Any additional statistical information as a result of continued discussion with Agency staff.

c) Any proposed changes to the protocol or study design resulting from (a)&(b) above.

When EPA receives and reviews the above information and suggested changes due July 1 we will notify you if we agree with these changes, otherwise the protocol will remain as written.

These conditional registrations will be subject to an expiration date of July 1, 1992. Such expiration will occur automatically notwithstanding the fulfillment of any conditions set forth in this letter and expiration will not give rise to hearing rights pursuant to FIFRA Section 6(e). By a separate action the tolerances authorizing residues of the subject product on cotton, pecans and lettuce will be extended to July 1, 1993. After that date sale or distribution of food in interstate commerce containing any residues of the subject product will be a violation of the Federal Food, Drug, and Cosmetic Act.

6. Submit product information (pounds or gallons produced) for this product for the fiscal year in which the use on cotton, pecans, lettuce is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30.

This information is to be submitted to:

Registration Support Branch
Registration Division (H7504C)
Environmental Protection Agency
401 M Street SW
Washington, DC 20460

You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or the data submitted were not generated in accordance with the Good Laboratory Practice Standards (40 CFR Part 160) and/or the EPA approved protocol, EPA may issue a Notice to Cancel this registration under FIFRA section 6(e).

Simultaneous Reporting to the Office of Compliance Monitoring (OCM)

OCM will be monitoring the data being generated in response to this Registration Notice. Therefore, if you respond by:

- Submitting modifications to the protocol or

- Requesting extensions in the due date for submitting final reports,

you must send a copy of the supporting information (not copies of the actual data) to:

Laboratory Data Integrity Assurance Division
Office of Compliance Monitoring (EN-342)
Environmental Protection Agency
401 M Street S.W.
Washington, DC 20460

Finally, once the required data have been submitted, evaluated and accepted EPA will entertain an application for unconditional registration of the subject product to allow use on cotton, pecans, lettuce.

We have no objections to the amended labeling lowering the maximum applied season total from 1.0 lbs a.i. per acre to 0.6 lbs a.i. per acre. However, EPA is reviewing this label amendment to determine if lowering the season total to 0.6 lbs a.i. per acre would have any impact on the established tolerances. Depending on the outcome of the review, it may be necessary to lower the tolerances established on the raw agricultual commodities for cypermethrin.

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

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division

Enclosure

4007

Code 537

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.

Net Contents

Ammo® 2.5 EC
Insecticide

EPA Reg. No. 279-3027 **EPA Est. No. 279-**

Active Ingredient

* Cypermethrin **	30.6%
***Inert Ingredients	69.4%
	100.0%

*(±) α-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 xylene range aromatic solvents.
Contains 2.5 pounds cypermethrin per gallon.
U.S. Patent No. 4,024,163

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

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 infrapulmonary 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.

For Emergency Assistance Call 716-735-3765

FMC

FMC Corporation
Agricultural Chemical Group
Philadelphia PA 19103

1/89

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 15 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 279-3027

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. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Product should be opened and poured in a well ventilated area. Applicators must wear protective clothing. Mixers and loaders must wear a full face shield, impermeable gloves, a rubber apron, boots and protective clothing. When mixing/loading and spraying, wear midforearm to elbow length chemical-resistant gloves, boots, or overshoes, one piece *overalls which have long sleeves and long pants, and face shield or* goggles. Mixer/loaders should in addition wear a chemical-resistant apron.

Any article of clothing worn while applying this product must be cleaned before reusing. Clothing which has been drenched or heavily contaminated should be disposed of in accordance with State or local regulations.

Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab with filtered air supply.

Environmental Hazards

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 or weeds if bees are 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. Do not contaminate water when disposing of equipment washwaters.

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.

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 experts. 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 approximately 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 pump when the water pump motor stops.

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

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) 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.

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
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.

GENERAL INSTRUCTIONS

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.

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

Rotational Crops
Rotational crops may be planted within 30 days after last application.

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.

CROP	PEST	DOSAGE LB AI/A	DOSAGE FL OZ/A	REMARKS
Cotton	Cutworms Tobacco Thrips 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. When water is used, apply a minimum of one gallon of finished spray per acre by air or five gallons of finished spray with ground equipment. When applying in water by air, one quart of emulsified oil may be substituted for one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray. Ammo 2.5 EC may be injected into overhead sprinkler irrigation 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 line to prevent irrigation water from entering the chemical supply tank and 3) the irrigation injection system has interlocking on-off switches. For boll weevil control, apply Ammo 2.5 EC at a 3 to 4 day interval until pest numbers are reduced to acceptable levels. A maximum of 0.6 lb. active ingredient may be applied per acre per season. Ammo 2.5 EC may be applied within 14 days of harvest. Do not graze or feed cotton for forage.
	Beet Armyworm Fall Armyworm Yellow Striped Armyworm Cotton Bollworm Pink Bollworm Tobacco Budworm Tarnished Plant Bug Lygus Bugs Saltmarsh Caterpillar Cotton Fleahopper Cotton Leaf perforator Cabbage Looper Boll Weevil Other Plant Bugs White Flies*	0.04 to 0.1	2 to 5	
Lettuce (Head)	Beet Armyworm Cabbage Looper Alfalfa Looper	0.025-0.1	1.28 to 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 2.5EC should be used with light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations. Do not apply more than 0.6 lb ai/A per season. Do not apply within 5 days of harvest. Do not plant rotational crops within 30 days of last application.
Pecans	Hickory Shuckworm Yellow Pecan Aphid Black Pecan Aphid Pecan Nut Casebearer Pecan Weevil	0.06 to 0.10	3 to 5	Applications at the lower rate should be made when pest populations are low. Rates should be increased as the pest pressure increases. Apply by ground equipment to the point of drip. Use 100 gallons of dilute spray per acre for smaller trees. For larger trees which require higher gallonage to achieve adequate coverage, apply in 200 to 300 gallons of water. In order to calculate the correct number of gallons 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 lb AI/A per crop season may be applied prior to shuck split. Do not apply within 21 days of harvest. Do not graze livestock in treated orchards or cut treated cover crops for feed.

*Aids in control.

Tank-Mixture
Ammo® 2.5 EC insecticide may be applied in tank mixtures with other products approved for use on cotton. Observe all restrictions and precautions which appear on the labels of these products.

bag 7

For improved control of aphids and mites, 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.

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 the 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.

Curacron®—Ciba-Geigy Trademark

Ammo® and FMC—FMC Trademarks

(537-1/3/89-A)
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AMMO 2.5 EC INSECTICIDE

CABBAGE

PEST	RATE (LB AI/A)*	OUNCES 2.5 EC PER ACRE	REMARKS
Cutworms Corn earworm Tobacco budworm Lygus bugs Salt marsh caterpillar Leafhoppers Flea beetles Imported cabbageworm Diamondback moth Cucumber beetles	0.05-0.1	2.5-5	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 should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations.
Armyworms Loopers Stinkbugs Crickets Ground beetles Onion thrips Wireworm (adults)	0.075-0.1	3.75-5	A maximum of 0.6 lb. active ingredient may be applied per acre per season. Do not apply within 5 days of harvest.

* In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.