



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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NOV 12 1992

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Dr. Edward Cherry
FMC Corporation
Agricultural Chemical Group
1735 Market Street
Philadelphia, PA 19103

Dear Dr. Cherry:

Subject: Application For Renewal/Amendment of Conditional
Registration(s)/Cotton Use Pyrethroids

Ammo 2.5 EC Insecticide
EPA Registration No. 279-3027
Ammo 2.5 Miscible Insecticide
EPA Registration No. 279-3046
Ammo 2.5 Oil Insecticide
EPA Registration No. 279-3044
Ammo WSB Insecticide
EPA Registration No. 279-3084
Fury 1.5 EC Insecticide
EPA Registration No. 279-3125
Fury 1.5 EW Insecticide
EPA Registration No. 279-3126
Pounce 3.2 EC Insecticide
EPA Registration No. 279-3013
Pounce 25 WP Insecticide
EPA Registration No. 279-3051
Pounce WSB Insecticide
EPA Registration No. 279-3083
Capture 2 EC Insecticide/Miticide
EPA Registration No. 279-3069
Capture 2 EC-CAL Insecticide/Miticide
EPA Registration No. 279-3114

✓ Your Applications Dated October 6 and October 12, 1992

The Agency accepts your application for renewed/amended registration for purposes of extending the registration of the subject product(s). This renewal is being granted to allow EPA additional time to (1) complete its review of all relevant data associated with the registration of the subject product(s) on cotton (2) to assess environmental risk and (3) to make FIFRA Section 3(c)(5) or other appropriate regulatory decisions for cotton use pyrethroids.



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Therefore in accordance with FIFRA Sections 3(c)(7)(B)(C) the conditional registration of the subject product(s) is/are extended for a period not to exceed November 15, 1993. We agree that this extension is subject to the following conditions:

- a. All products will continue to bear the labeling revisions for cotton use required per Agency letter dated November 15, 1990 (paragraphs 1 (a) thru (f)).
- b. Absent further Agency action these cotton registrations will automatically expire at midnight on November 15, 1993. Sale and distribution of the subject product(s) bearing labeling for use on cotton after November 15, 1993 will be illegal. The tolerance authorizing residues of the subject product on cotton will also expire automatically on November 15, 1994. It is understood that the expiration dates for products containing permethrin, cypermethrin, and bifenthrin referred to above applies to their use on cotton only and not other existing registered uses and/or tolerances.
- c. FMC Corporation will submit product information (pounds or gallons produced) for these products for the fiscal year in which the use on cotton is conditionally registered in accordance with FIFRA Section 29. This fiscal year begins October 1 and ends September 30.

This information is to be submitted to :

Registration Support Branch
Registration Division (H7505C)
Environmental Protection Agency
Crystal Mall Building #2
1921 Jefferson Davis Highway
Arlington, VA 22202

- d. Except as modified above all other terms and conditions of the existing registration(s) for the subject product(s) remains in effect.

A stamped copy of the labeling is enclosed.

Sincerely,



George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Code 1370

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 the uses covered by the certified applicator's certification

Net Contents

Capture® 2 EC—CAL

Insecticide/Miticide For Sale and Use Only in California

EPA Reg. No. 279-3114

EPA Est. 279-

Active ingredient:**By Wt.**

Bifenthrin: (2 methyl[1,1'-biphenyl]-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)- 2,2-dimethyl-cyclopropanecarboxylate*	25.1%
Inert Ingredients:**	74.9%
	100.00%

*Cis isomers 97% minimum, trans isomers 3% maximum.

**Contains xylene range aromatic solvents.

This product contains 2 pounds active ingredient per gallon.

U.S. Patent No. 4,238,505

KEEP OUT OF REACH OF CHILDREN**WARNING**

This label must be in the possession of the user at the time of application.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Get medical attention. Call a Poison Control Center or physician promptly for advice. Describe Precautionary Statements and Note to Physician on the label. Do not induce vomiting unless advised by a physician or qualified medical advisor. Do not give anything by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If in Eyes: Flush with plenty of water. Call a physician if irritation persists.

Note to Physician:

Pesticide Hotline (800) 858-7378. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Emergency Assistance Call (800) 331-3148.

See other panels for additional precautionary information.

FMC

FMC Corporation

Agricultural Chemical Group NOV 12 1992

Philadelphia PA 19103

7/91

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
279-3114

**PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)****Warning**

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

Applicators must wear long sleeve shirt and trousers. Mixers and loaders must wear long sleeve shirt, trousers, chemical resistant gloves and goggles, or face shield.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water or wetlands (swamps, bogs, marshes and pot-holes). 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.

STORAGE AND DISPOSAL**Pesticide Storage**

Do not freeze. Do not store below 40° F. If crystals are observed, warm material to above 60° F by placing container in warm location. Shake or roll container periodically to redissolve solids.

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 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 of the nearest EPA Regional Office for guidance.

Container Disposal

Metal or Plastic Container: 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.

U-Turn® Container: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

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Special Equipment

The registration of Capture 2 EC-CAL in California requires that the product be used in closed systems that meet the criteria for closed systems as established by the California Department of Food and Agriculture. The criteria and a list of the closed systems meeting the criteria are available through the California Department of Food and Agriculture.

Application Instructions

Rate of application is variable according to pest pressure, timing of sprays, and field scouting. Use lower rates under light to moderate infestations; higher rates under heavy insect pressure and for mite control. Arid climates generally require higher rates.

CROP	PEST	DOSAGE		REMARKS
		LB A/A	FL OZ/A	
Cotton	European Corn Borer Soybean (Banded) Thrips Tobacco Thrips	0.02-0.1	1.3-6.4	Capture 2 EC-CAL may be applied in water or refined vegetable oil (soybean/cottonseed). Application in Water: Apply in a minimum of 5 gallons per acre with ground equipment or 1 gallon per acre by aircraft. When applying by air, 1 quart of emulsified oil may be substituted for one quart of water in the finished spray.
	Boll Weevil Bollworm Cabbage Looper Cotton Aphid Cotton Fleahopper Cotton Leafperforator Cutworms Fall Armyworm Lygus Spp. Plant Bugs Saltmarsh Caterpillar Southern Garden Leafhopper Stink Bugs Tobacco Budworm Whitefly Yellow Striped Armyworm	0.04-0.1	2.6-6.4	To Control Boll Weevil: Apply Capture 2 EC-CAL at an interval of 3 to 4 days until pest numbers are reduced to acceptable levels. To Control Mites and Aphids: Apply when pests first appear. Repeat as necessary to maintain control. Higher rates will be required once a damaging threshold is established.
	Beet Armyworm Carmine Spider Mite Pink Bollworm Twospotted Spider Mite	0.06-0.1	3.8-6.4	

Do not apply more than 0.3 pounds active per acre per season.
Do not make more than 3 applications per season.
Do not apply within 14 days of harvest.
Do not graze livestock in treated areas or cut treated crops for feed.

Spray Drift Precautions

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

Do not make aerial or ground applications during temperature inversions.
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.

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

Do not apply by ground equipment within 25 feet, or by air within 75 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

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®, Ammo®, Asana® XL, Baythroid®, Capture®, Cymbush®, Karate®, Pounce® and Scout® X-TRA.

For Capture 2 EC-CAL, do not make more than 3 applications per growing season.

Reentry Statements

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter until spray has dried.

Cotton Scouts

Do not enter treated areas for 7 days after application.

Tractor Drivers, Irrigators, Beekeepers, and Nonroutine Cultural Activities

May enter after spray has dried provided they wear protective clothing. Protective clothing consists of long sleeved shirt, long legged trousers, shoes, socks, cloth gloves, hat or other suitable head covering.

Rotational Crops

Rotational crops may be planted no sooner than 30 days after last application. Straw may not be used for food or feed.

Tank-Mixture

Capture 2 EC-CAL insecticide/miticide 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.

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 or 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.

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