

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

300,539,580
38 29

Mr. Alejandro Torres, Manager
Product Development and Registrations
FMC CORPORATION
Agricultural Chemical Group
1735 Market Street
Philadelphia Pennsylvania 19103

JUL 17 1991

Dear Mr. Torres:

Subject: Label Amendments-Limit Controlling Beet Armyworm in Cotton to Certain States & Establish Minimum Use Rate.
AMMO 2.5 EC Insecticide
EPA Registration Number 279-3027
AMMO 2.5 Miscible Insecticide
EPA Registration Number 279-3046
AMMO 2.5 Oil Insecticide
EPA Registration Number 279-3044
AMMO WSB Insecticide
EPA Registration Number 279-3084
Your Amended Applications June 17, 1991

The amended labeling referred to above (limit claim for control of beet armyworm in cotton to the states of Arizona, California and the high plains of Texas, and establish the minimum use rate as 0.06 lb of ai/A), submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended, is acceptable.

Submit five (5) copies of your final printed labeling for each of the subject product before you release the products for shipment.

Stamped copies of the labeling are enclosed for your records.

Sincerely yours,

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

CONCURRENCES

SYMBOL	H7505C						
SURNAME	Alejandro Torres						
DATE	7.17.91						

Code 1194

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.

Net Contents

ACCEPTED
with COMMENTS
in EPA Letter No. 84-10

17 1991

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

279-3084

Ammo[®] WSB Insecticide

EPA Reg. No. 279-3084

EPA Est.

Active Ingredients

* Cypermethrin ** 38.7%

Inert Ingredients 61.3%

100.0%

* (=) α -Cyano (3-phenoxyphenyl)methyl (=) *cis/trans* 3-(2,2-dichloro-1-methoxyethyl)-2,2-dimethylcyclopropane carboxylate

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

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

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

Warning

Harmful if swallowed or absorbed through the skin. Causes eye irritation. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist. May cause allergic skin reactions. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

DIRECTIONS FOR USE

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

Do not remove package from container except for immediate use.

FIRST AID

If inhaled: Remove to fresh air. Apply artificial respiration if necessary.

If swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with a finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Flush eyes with plenty of water. Obtain medical attention if irritation occurs and persists.

If on skin: Wash with plenty of soap and water.

Note to Physician: Ammo WSB is a pyrethroid insecticide containing the active ingredient cypermethrin. 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 (800) 331-3148.

See other panels for additional precautions and information.

STORAGE AND DISPOSAL

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage, especially at low temperatures. Allow to warm above 50° (10°C) for use. Do not allow inner bags to become wet during storage. Do not handle inner bag with wet hands or wet gloves. 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

When all water soluble bags are used, the outer package should be clean and may be disposed of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If the outer container contains formulated product in any way, it must be triple rinsed with clean water. Add rinsate to the spray tank and dispose of the outer package as described above.



FMC Corporation
Agricultural Chemical Group
Philadelphia PA 19103

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 greenhouses systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal pesticide 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 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 pump when the water pump motor stops.

The irrigation line or water pump motor 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.

For Ammo WSB mixing instructions, see general instructions. Ammo WSB should be diluted in sufficient volume of water to ensure accurate application over the area to be treated. Add the recommended number of water soluble bag(s) to the supply tank. Maintain sufficient agitation both mixing and application to ensure that the bags dissolve and there is uniformity of the supply tank suspension. Hydraulic or mechanical agitation is recommended. The solution of Ammo WSB should be applied continuously for the duration of the application. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended.

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.

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

The product in this outer package is a wettable powder formulation of the insecticide cypermethrin packaged in a translucent water soluble bag. Do not allow the inner bag to become wet before adding to spray or nurse tank. Do not handle the inner bag with wet hands or wet gloves. Rough handling may cause breakage. Do not store at temperatures below 32°F (0°C). Allow to warm above 50°F (10°C) before use. Cooler water temperatures increase the time needed for the inner bag to dissolve completely.

Ammo WSB insecticide is intended for dilution with water for spray application. Do not use strainers finer than 50 mesh size. Determine the number of water soluble bag(s) to make up necessary spray suspensions.

Use a minimum spray volume of 5 gallons of water per acre. Fill the spray or nurse tank 1/2 full with water. Open the outer wrapper of this product and immediately dump required contents into spray tank. Allow the water soluble bag(s) to dissolve completely. Start hydraulic or mechanical

agitation. Air agitation is not recommended. Mix thoroughly to fully disperse and suspend the wettable powder. Fill the spray tank with the required amount of water. Maintain agitation during storage in nurse or supply tank and during application. Apply Ammo WSB when insects appear or feeding is noticed. Repeat the application as necessary to maintain control. Ammo WSB may be applied by both ground and aerial equipment. Use sufficient water to obtain full coverage.

Mix as needed; do not store diluted material.

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.

Calculate the number of bags needed for the recommended rate and number of acres to be treated by using the following formula:

$$\frac{\text{Recommended Rate for Pest (Active/Acre)}}{0.05 \text{ (amt. ai in each bag)}} \times \frac{\# \text{ Acres to be Treated}}{\text{Tankload}} = \# \text{ of Ammo Water Soluble Bags to use for acres to be treated}$$

Do not break bags. When the equation equals less than a whole number of bags, use the next higher whole number of bags. Do not exceed 2 bags per acre per application.

CROP	PEST	DOSEAGE LB AI/A	REMARKS
Cotton	Boll Weevil	0.05 to 0.1	Ammo WSB may be diluted in water only. Apply a minimum of 5 gallons of finished spray per acre by air or ground application. For boll weevil control, apply Ammo WSB at 3 to 4 day intervals until pest numbers are reduced to acceptable levels. A maximum of 0.6 lb active ingredient may be applied per acre per season. Ammo WSB may be applied within 14 days of harvest. Do not graze or feed cotton for storage.
	Cabbage		
	Looper		
	Cotton		
	Bollworm		
	Cotton		
	Flea hopper		
	Cotton Leaf		
	Perforator		
	Cutworms		
	Fall Armyworm		
	Lycus Bug		
	Other Plant		
	Bugs		
	Pink Bollworm		
	Saltmarsh		
	Caterpillar		
	Soybean		
	(banded)		
	Thrips		
Tarnished			
Plant Bug			
Tobacco			
Budworm			
Tobacco Thrips			
White Flyer			
Yellow Striped			
Armyworm			
Beet Armyworm**	0.05 to 0.1		

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

Spray Drift Precautions—Cotton

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.

BEST

CROP	PEST	DOSAGE*		REMARKS
		LB/A/A	BAC/A**	
Lettuce (Head)	Corn Earworm	0.05 to 0.1	1 to 2	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
	Cucumber Beetles			
	Cutworms			
	Diamondback Moth			
	Flea Beetles			
	Imported Cabbageworm			
	Leafhoppers			
	Lygus bugs			
	Salt marsh Caterpillar			
	Tobacco Budworm			
	Armyworms	0.075 to 0.1	1 to 2	<p>Lower rates of Ammo WSB should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations.</p> <p>A maximum of 0.6 lb. active ingredient may be applied per acre per season. Do not apply within 5 days of harvest.</p> <p>*In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.</p>
	Crickets			
	Ground Beetles			
	Loopers			
	Onion Thrips			
	Stinkbugs			
	Wireworm (adults)			
Pecans	Black Pecan Aphid	0.05 to 0.1	1 to 2	<p>Applications at the lower rate should be made when pest populations are low. Rates should be increased as the pest pressure increases.</p> <p>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.</p> <p>Up to 0.6 lb ai/A per crop season may be applied prior to shuck split.</p> <p>Do not apply within 21 days of harvest.</p> <p>Do not graze livestock in treated orchards or cut treated cover crops for feed.</p>
	Hickory Shuckworm			
	Pecan Nut Casebearer			
	Pecan Weevil			
	Yellow Pecan Aonid			

**1 bag = .05 lb ai

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.