

MAR 24 1993

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Mr. John Wright
FMC Corp.
1735 Market Street
Philadelphia, PA 19103

Dear Mr. Wright:

Subject: Alternate Formulation and Finished Labeling
Cynoff 2 EC Insecticide
EPA Registration No. 279-3081
Your Submission Dated December 2, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Under Food Areas the statements should read:
"Do not use in food/feed areas . ."
". . serving areas while food/feed is . ."
"Exposed food/feeds should be covered . ." etc.
- Qualify the site lawns for residential use only, i.e.,
"lawns (residential sites only)."

Your Confidential Statements of Formula dated December 2, 1991 for the alternate and basic formulations are not acceptable. You do not provide an EPA Registration No. for the source product of the active ingredient, Cypermethrin. We are unaware of an FMC Cypermethrin Technical with a purity of 92%. If you are using AMMO Technical for your formulation the correct purity is 88%. Adjust your CSF's accordingly and provide the registration number of the source product.

CONCURRENCES

SYMBOL							
SURNAME	Robert						
DATE	3-22-93						

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Submit five copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely,

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

Enclosure

M13 279-3081

2000

Code 1167

Net Contents

Cynoff® EC Insecticide

Only for Sale to, Use and Storage by Professional Pest Control Operators.

EPA Reg. No. 279-3081

EPA Est. 279-

Active Ingredients:	By Wt.
Cypermethrin	
*(±)α-cyano-(3-phenoxyphenyl)methyl (±)-cis,trans-3-(2,2-dichloroethenyl)-2, 2-dimethylcyclopropanecarboxylate	24.8%
Inert Ingredients:	75.2%
	100.0%

Cynoff EC contains 2 pounds active ingredient per gallon.
*Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans
U.S. Patent No. 4,024,163

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Below for Additional Precautionary Statements

STATEMENT OF PRACTICAL TREATMENT

If inhaled: Remove to fresh air. If breathing difficulty or discomfort occurs, obtain medical attention.

If swallowed: Drink plenty of water and induce vomiting by touching the back of the throat with a finger or blunt object or by giving ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician.

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

If on skin: Wash with soap and water. If irritation occurs and persists, obtain medical attention.

Note To Physician: Cynoff EC is a pyrethroid insecticide containing the active ingredient cypermethrin. Oral toxicity is low, but because cypermethrin is lipophilic, do not administer milk, cream or other substances containing vegetable or animal fats, which enhance absorption. Treatment is otherwise symptomatic and supportive.

For 24-hour Emergency Assistance Call (716) 735-3765.

FMC

FMC Corporation
Agricultural Chemical Group
Philadelphia PA 19103

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ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 24 1993

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

279-3081

PRECAUTIONARY STATEMENTS

Hazards To Humans (and Domestic Animals)

Caution

Harmful if inhaled, swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes and clothing. The active ingredient may produce sensations (burning, numbing and tingling) in some individuals. Wear impermeable gloves made of neoprene when spraying. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Environmental Hazards

This product is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to any body of water. Apply this product only as specified on this label. Care should be used when spraying to avoid fish and reptile pets.

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 store below 40°F. Keep out of reach of children. 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, dilute 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 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.

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.

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

For residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses, and the nonfood/food areas of stores, warehouses, vessels, railcars, trucks, trailers, schools, nursing homes, hospitals, restaurants, hotels, and food manufacturing, processing, and servicing establishments.

Cynoff EC Insecticide is to be diluted with water for spray or brush application. Fill sprayer with the desired volume of water and add Cynoff EC Insecticide. Close and shake before use in order to insure proper mixing. Mix only the amount of solution needed for the application; repeat treatments as necessary.

BEST AVAILABLE COPY

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Pests		Concentration of Active Ingredient	Dilution Rate
Ants	Elm Leaf Beetle	.1%	1/2 fl. oz. per 1 gal. water
Biting Flies*	Firebrats		
Boxelder Bugs	Fleas*		
Centipedes	Flies*		
Chiggers*	Millipedes		
Cockroaches (Maintenance)	Mosquitoes*		
Crickets	Pillbugs		
Earwigs	Silverfish		
	Sowbugs		
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Bees		.2%	1 fl. oz. per 1 gal. water
Cockroaches (Clean-out)			
Spiders			
Ticks			
Wasps			

*Outdoor use only.

INDOOR USE

Crickets, Cockroaches, Firebrats, Silverfish, Spiders and Ticks: Apply as a coarse, low pressure spray to areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, and similar areas. Pay particular attention to cracks and crevices; also see OUTDOOR USE.

Ants: Apply to any trails, around doors and windows and other places where ants may be found. Refer to BARRIER TREATMENT directions to prevent infestation; also see OUTDOOR USE.

Bees and Wasps: Application to nests should be made late in the evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight; also see OUTDOOR USE.

Boxelder Bugs, Earwigs, Elm Leaf Beetles, Centipedes, Millipedes, Pillbugs and Sowbugs: Apply around doors and windows and other places where these pests may be found or where they may enter premises. Spray baseboards, storage areas and other locations. Refer to BARRIER TREATMENT directions to prevent infestation; also see OUTDOOR USE.

Food Handling Establishments: Places other than private residences in which food is held, processed, prepared or served.

Nonfood Areas: Includes garbage rooms, lavatories, floor drains, (to sewers) entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). Cynoff EC insecticide may be used as a general spot, crack and crevice treatment in nonfood areas. All areas where insects hide or through which insects may enter should be treated.

Food Areas: Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms, but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Not for use in USDA meat and poultry plants.

OUTDOOR USE

For control of ants, bees, biting flies, boxelder bugs, centipedes, chiggers, cockroaches, crickets, earwigs, elm leaf beetles, firebrats, fleas, flies, millipedes, mosquitoes, pillbugs, silverfish, sowbugs, spiders, ticks and wasps. Apply by brush or as a residual spray either by hand or power sprayer. Apply to surfaces of buildings, porches, screens, window frames, eaves, patios, lawns, vegetation, refuse dumps, garages and in other areas where these pests are found.

Barrier Treatment: To prevent infestation of buildings, apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the building. Also, treat the building foundation to a height of 2 to 3 feet where pests are active and may find entrance. Apply as a coarse spray. Thoroughly and uniformly wet the band area, using 1 gallon of spray mix per 400 square feet.

Cluster Flies (Calliphoridae spp): Apply to the outside of the structure where flies are found. Mix 1 fl. oz. Cynoff EC to 10 fl. ozs. deodorized light weight mineral oil; apply to 1,000 square feet of wall area. Use a fogging apparatus which delivers the material in a strong air carrier, producing a small particle size (10-50 microns). Hold the nozzle about three feet from the surface to be treated. Apply when wind velocity is less than 2 mph to avoid drift.

The surface to be treated should be dry at the time of application. Attics and unoccupied lofts should be treated at the same time and at the same rate.

CAUTION: Do not use water base sprays of Cynoff EC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

Do not apply this product to edible crops.

Do not apply this product to soil in crawl spaces.

Keep people and pets off surfaces until dry.

Protect aquariums from spray mist.

For best results, thoroughly wash out sprayer and screen with water and detergent before using Cynoff EC insecticide.

Do not use this product with oil (except for cluster fly control).

Do not treat pets with this product.

Distributors 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.

