

279-3081

06/24/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

6-24-13

Jill Holihan  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

Subject: Amended Reregistration Label  
Product Name: Cynoff EC Insecticide  
EPA Registration Number: 279-3081

Dear Ms. Holihan:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the mgk-264.RED(s), and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

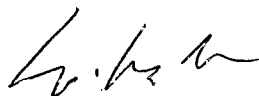
Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

A copy of your label stamped "Accepted" is enclosed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

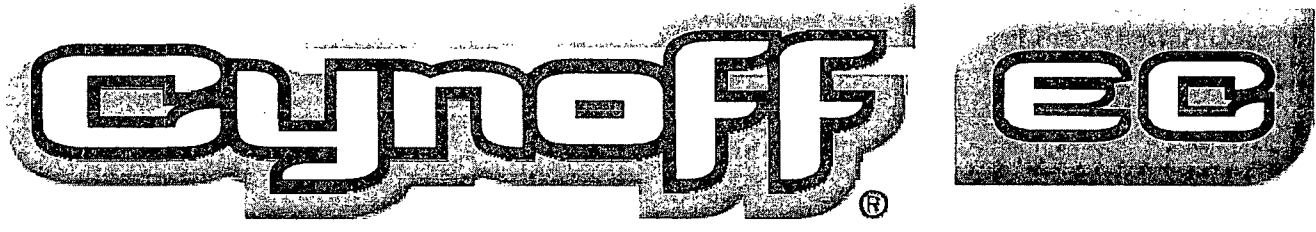
Page 2  
EPA Reg. 279-3081

If you have any questions about this letter, please contact either Erik Kraft at (703-308-9358) or via email at [Kraft.Erik@epa.gov](mailto:Kraft.Erik@epa.gov) or Richard J. Gebken at (703) 305-6701 or via e-mail at [Gebken.Richard@epa.gov](mailto:Gebken.Richard@epa.gov).

Sincerely yours,



Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)



Intended Only for Use and Storage by Professional Pest Control Operators

EPA Reg. No. 279-3081

EPA Est. 279-

Active Ingredients:	By Wt.
<b>Cypermethrin</b>	
*(±)α-cyano-(3-phenoxyphenyl)methyl (±)-cis,trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate .....	
	24.8%
<b>Other Ingredients:</b> .....	<u>75.2%</u>
	100.0%

Cynoff EC contains 2 pounds active ingredient per gallon.  
\*Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans

**KEEP OUT OF REACH OF  
CHILDREN  
CAUTION**

See Below for Additional Precautionary Statements.

**A C C E P T E D**  
 6-24-13  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. 279-3081



FMC Corporation Agricultural Products Group  
1735 Market Street  
Philadelphia PA 19103

**Net Contents:**

## PRECAUTIONARY STATEMENTS

### Hazards to Humans (and Domestic Animals)

#### Caution

Harmful if swallowed, absorbed through skin, or inhaled. Do not breathe vapor or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. The active ingredient may produce sensations (burning, numbing and tingling) in some individuals.

#### Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product include barrier laminate, nitrile rubber, neoprene rubber, and Viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear the following:

- Long-sleeve shirt and long pants,
- Shoes and socks,
- Chemical resistant gloves for mixers loaders and applicators using handhold or handheld nozzles

#### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### User Safety Recommendations

Users should wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on 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.

#### 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 CHEMTREC (Transportation and Spills): (800) 424-9300.

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 Containers** - Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: (For containers greater than 5 gallons) Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **(For containers 5 gallons or less)** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer recycling if available, 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.

**Returnable/Refillable Containers** - Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the contents into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or lawns and grounds.

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 (non-commercial), and the nonfood/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft (Do not use in aircraft cabins), 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. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

Pests		Concentration of Active Ingredient	Dilution Rate
Ants	Firebrats	0.1%	½ fl oz per
Biting Flies*†	Fleas*		1 gal of
Boxelder	Flies*		water
Bugs	Millipedes		
Centipedes**	Mosquitoes*†		
Cockroaches	Pillbugs		
(maintenance)	Silverfish		
Crickets	Sowbugs		
Earwigs			
Elm Leaf Beetles†			
Bees		0.2%	1 fl oz per
Cockroaches (clean-out)			1 gal of water
Spiders			
Ticks			
Wasps			

\* Outdoor use only.

\*\*Not for Indoor use in California

† Not for use in California

### INDOOR USE

#### Cockroaches, Crickets, 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, drawers 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, Centipedes, Earwigs, Elm Leaf Beetles, 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 which include areas for receiving, storage (dry, cold, frozen, raw), packaging (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

Do not use in serving areas while food/feed 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.

### Restrictions for Indoor Uses

Do not use water-based sprays in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

#### Pet Restrictions:

Do not apply to pets. Remove birds and other pets. Do not allow pets to enter treated areas or contact treated surfaces until sprays have dried. Cover any water inhabited by fish (such as aquariums and ornamental fish ponds) during treatment, and turn aquarium systems off.

During any indoor surface application, do not allow dripping or runoff to occur. During any application to ceilings of a structure, cover surface below with plastic shielding or similar material.

Do not apply this product in any room being used as a living, eating, or recovery area by patients, the elderly, or the infirm when they are in the room.

Do not apply to classrooms when in use.

Do not apply to areas of institutions (including libraries, sport facilities, etc.) when occupants are present in the immediate treatment area.

Do not use as a space spray

Use only in well-ventilated areas.

Do not use concentrate or emulsion in fogging equipment.

Do not use in warehouses while raw agricultural commodities for food or feed, and/or raw or cured tobacco are being stored.

Do not use in greenhouses where crops for food or feed are grown.

## OUTDOOR USE

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label:

- (1) Applications to soil or vegetations, as listed on this label, around structures;
- (2) Applications to lawns, turf, and other vegetation, as listed on this label;
- (3) Applications to the side of a building, up to a maximum height of 3 feet above grade;
- (4) Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
- (5) Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
- (6) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

For control of ants, bees, biting flies, boxelder bugs, centipedes, cock-roaches, 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, residential lawns only such grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, vegetation, refuse dumps, garages and in other areas where pests are found. Remove all exposed food and cooking utensils. Cover all food handling surfaces or wash thoroughly after treatment and before use.

**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 oz 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.

## Restrictions for Outdoor Uses

For outdoor applications, do not apply within 10 feet of storm drains. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans.

Do not apply when windy (sustained wind speeds or gusts above 10 mph).

Rinse application equipment over turfgrass (lawn) area only. Do not allow rinse water to flow into drains (including storm drains), street gutters, sewers, drainage ditches, water bodies, or other aquatic habitats.

Do not allow applications to contact water inhabited by fish, such as aquariums and ornamental fish ponds that are located in/near structures being treated. Cover any water inhabited by fish during treatment, and turn aquarium systems off.

For Lawns, do not apply more than 0.44 lb ai/A/year (0.0101 lb ai/1000 sq ft/year).

Do not apply this product to edible crops.

Do not apply this product to soil in crawl spaces.

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 allow persons or pets to contact treated surfaces until sprays have dried.

Do not apply this product in a way that will contact people or pets, either directly or through drift.

Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and mists have dispersed and the treated area has been thoroughly ventilated.

## Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.**

To the extent allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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