



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (H7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

1.0 AUG 1995

NOTICE OF PESTICIDE:
 Registration
 Reregistration

279-3152

Term of Issuance:

Conditional

Name of Pesticide Product:

Biflex Residential
 Flowable
 Insecticide/Miticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

FMC Corporation
 Agricultural Products Group
 Philadelphia, PA 19103

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 279-3152".
- b. Under Environmental Hazards add the following phrase to last sentence i.e., "...to avoid fish and reptile pets in/around ornamental ponds."

Signature of Approving Official:

Date:

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- c. Revise the Note to Physician as follows: "This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided."

It has come to our attention that your other Talstar registrations (Talstar Flowable and Talstar 10WP) also have unacceptable wording in the Note to Physician. This wording was mistakenly approved in our letter dated September 21, 1994. Please revise the Note to Physician (as above) on the following products: EPA Registration Numbers 279-3105 and 279-3057. This labeling should be submitted to the Agency for our approval.

- d. On back panel delete "indoors" under mixing instructions.
- e. Is there a measuring device (utensil) included with this product. Considering the fact that the standard size spray tanks for residential use is usually 1 to 2 gallon sprayer (maybe six gallon) how does the applicator measure out 1, 2, 3 tenths of a fluid ounce? Have you also considered use (and instruction) of a hose end sprayers attachment for perimeter and lawn spray application?

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

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

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

Code 1659

Biflex

RESIDENTIAL FLOWABLE INSECTICIDE/MITICIDE

For Residential Use on Outdoor Plantscapes, Landscape Ornamentals and Home Lawns

EPA Reg. No. 279-GRLE

EPA Est. 279-

Active Ingredients:

By Wt.

Bifenthrin: (2-methyl [1,1'-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate* 7.9%

Inert Ingredients: 92.1%
100.0%

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

Biflex® Flowable insecticide/miticide contains 1/2 pound active ingredient per gallon.

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or by giving syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove 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 irritation occurs and persists.

IF IN EYES: Flush with plenty of water. Contact a physician if irritation occurs and persists.

FMC

FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

7/95 (Draft) Biflex Residential

Post-it® Fax Note 7671

Date	8/1/95	# of pages	2
To	John DeWitt	From	John DeWitt
Co./Dept.	EPA	Co.	FMC
Phone #		Phone #	609 951 3079
Fax #	703 306 6696	Fax #	609 452 8402

ACCEPTED
with COMMENTS
in EPA Letter Dated

10 AUG 1995

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg.

279-3152

Note to Physician: Biflex® Flowable has moderate inhalation, and low oral and dermal toxicity. (It is practically non-irritating to the eyes and non-irritating to the skin. Reversible skin sensations (parasthesia) may occur and ordinary skin salves have been found useful in reducing discomfort. Treatment is otherwise controlled by removal of exposure followed by symptomatic and supportive care.

For Emergency Assistance Call: (800) 331-8148

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes minimal eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets.

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 to drift to blooming crops if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place, preferably in a locked storage area 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.

Product Disposal: Partially filled plastic bottle - Securely wrap original plastic bottle in several layers of newspaper and put in trash.

Container Disposal: Do not reuse empty plastic bottle. Wrap plastic bottle and put in trash.

General Applications Instructions

Biflex® Flowable insecticide/miticide formulation mixes readily with water and other aqueous carriers, and controls a wide spectrum of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in outdoor plantscapes, such as around residential dwellings and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application.

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Mixing Instructions: Biflex® Flowable concentrate is designed for use as an insecticide spray for various applications indoors and outdoors. Please read the following "Directions for Use" carefully and fully before applying this product. Since the product is concentrated, it must be diluted before use. As detailed below, add the appropriate amount of water to a spray tank or container, and then add the proper amount of product. Tighten the lid on the tank or container and mix the contents by either shaking or inverting for about 10 to 15 seconds.

Note: 1 fluid ounce = 2 tablespoons = 6 teaspoons. Do not use household utensils to measure Biflex® Flowable.

To Control Pests on Plants and Ornamental Flowers Outdoors

Mix 0.1 fluid ounce of this product into 1 gallon of water to achieve 0.006% solution.

Apply as a coarse spray to ornamental flowers around residential buildings including homes and apartment dwellings.

Ornamentals: Spray directly and uniformly onto plants and ornamentals to control Ants, Aphids, Armyworms, Bagworms, Black Vine Weevils, Budworms, Cabbage Loopers, Cankerworms, Casebearers, Caspian Sphinx Moths, Caterpillars, Cherry Laurel Leafhoppers, Crane Flies, Elm Leafbeetles, Fungus Gnats, grasshoppers, Greenbugs, Green Striped Mapleworms, Gypsy Moths, Hornworms, Japanese Beetles, Lacebugs, Leafhoppers, Leafminers, Leafrollers, Omnivorous Leafhoppers, Maple Shoot Moths, Mealybugs, Mimosa Webworms, mites, including Spider Mites, Oak Webworm, Orange Striped Oakworms, Poplar Tentmakers, Rose Midges, Sawflies, Scales (Crawlers), Sod Webworms, Sowbugs (Pillbugs), spiders, Sunflower Moths, Thrips, Moths, Webworms, Weevils, Willow Leafbeetles and Whiteflies.

Perimeter Spray

Pest Control on Outside Surfaces and Around Buildings

For control of ants, including Carpenter Ants and Fire Ants, Armyworms, Bees, Centipedes, Chiggers, Chinch Bugs, Clover mites, Crickets, Cutworms, Dichondra Flea Beetles, Earwigs, European Craneflies, Fleas, Flies, Grasshoppers, Hornets, Millipedes, Mosquitoes, Moths, roaches, including Cockroaches, Scorpions, Sod Webworms, Sowbugs (Pillbugs), spiders including Black Widow Spiders, Springtails, ticks, including Brown Dog Ticks, and Wasps.

Apply Biflex® Flowable using a 0.03 to 0.06% emulsion as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as 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, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen.

For 0.03% emulsion, mix 0.5 fluid oz. of Biflex® Flowable per gallon of water. For 0.06% emulsion, mix 1 fluid oz. Biflex® Flowable per gallon of water (1 fluid oz. = 2 tablespoons). Do not use household utensils to measure Biflex® Flowable. Use the higher rate for heavy pest infestation, quicker knockdown or longer residual control. Repeat treatment as necessary to maintain effectiveness.

Perimeter Treatment: Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Use a spray volume of 2 to 10 gallons of emulsion per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. House siding may be treated if pests such as Gypsy Moth adults and caterpillars, Boxelder Bugs, Elm Leaf Beetles, Earwigs or Silverfish are present.

For Ant and Fire Ant Mounds Use Biflex® Flowable 0.06% Emulsion as Drench Method: Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

Lawns: Uniformly apply diluted product to lawns. Two to ten gallons of the diluted product will cover 1000 sq. ft. of lawn area.

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.

Use of Product: FMC's recommendations for 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.

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