

279-3127

3/31/2003

1/5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MAR 31 2003

Mr. George Meindl
FMC Corporation, Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Subject: Amendment Reducing Residential Lawn Rate and Adding a Restriction Against Broadcast Applications in Homes in Response to EPA Exposure Concerns
Biflex® 5T Insecticide
EPA Reg. No. 279-3127
Your Submission Dated February 25, 2003; Amended by Email March 20, 2003

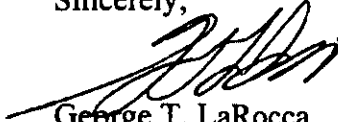
Dear Mr. Meindl:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Repeat the prohibition against broadcast applications in homes ("Do not apply a broadcast application to interior surfaces of homes") in the directions for "Indoor Treatments" on page 2, as you have done for the prohibition against use as a space spray.
2. In the paragraph headed "Non-food Areas" at the bottom of the first column on page 2, revise the beginning of the statement regarding permitted non-food/feed areas to read as follows: "Permitted non-food/feed areas are areas such as garbage rooms, ..."
3. Change "USDA" to "Federally inspected" in the statement prohibiting use in Meat and Poultry Plants in the second column of page 2: "Not for use in Federally inspected Meat and Poultry Plants."

If you have any questions regarding this action, please contact Susan Stanton of my team at (703) 305-5218.

Sincerely,



George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

Enclosure

Code 1385

Net Contents

BIFLEX™ 5 T

Insecticide

ONLY FOR SALE TO, USE AND STORAGE BY PROFESSIONAL PEST CONTROL OPERATORS.

To control insects in/around residential, institutional, public, commercial, and industrial buildings.

ACCEPTED with COMMENTS In EPA Letter Dated:

MAR 31 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 279-3127

EPA Reg. No. 279-3127

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-dimethylcyclopropanecarboxylate* 5.0%

Inert Ingredients: 95.0%
100.0%

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

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

See other panels for additional precautionary information.



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

FIRST AID	
If swallowed	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Milk, cream and other digestible fats and oils may increase absorption and so should be avoided.	
For information regarding the use of this product call 1-800-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Caution
Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

For spot treatment or crack and crevice treatment only. Do not use as a space spray.

Do not apply a broadcast application to interior surfaces of homes.

Do not allow children or pets in treated areas until surfaces are dry.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Use care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or 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. 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. **Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.**

Container Disposal

Plastic Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or incinerator, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Paper and plastic bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

offices, locker rooms, machine rooms, garages, mop closets, and storage (after canning or bottling). Biflex 5 T insecticide may be used as a general spot, crack and crevice treatment in non-food areas. All areas where insects hide or through which insects may enter should be treated.

Food Areas: Do not use in food/feed areas of food/feed handling establishment, restaurants or other areas where food is commercially prepared or processed. 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. 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.

Perimeter Treatments: Apply a band of spray to soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation or lower area of the structure to a height of 2 to 3 feet. Use 6 to 12 tablets per 2 to 10 gallons of water per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present. House siding may be treated if pests such as caterpillars, boxelder bugs, elm leaf beetles, earwigs or silverfish are present.

Residential Lawns: Use at a rate of 6 to 12 tablets per 4 to 10 gallons of water per 1000 square feet. Lawn should not be longer than 3 inches at the time of application. Repeat application if necessary. Higher volumes of water may be necessary in lawns of dense growth. Arid climates generally require the higher rates and volumes.

MIXING INSTRUCTIONS

Biflex 5 T insecticide is to be diluted with water for spray application. Do not use strainers finer than 50 mesh size. Fill sprayer with 1/2 of the desired volume of water, add the desired number of tablets from the rate table, and fill to desired volume. For handle equipment, close and shake before use in order to insure proper dispersion and suspension of the tablet. Shake or re-agitate the sprayer before use if spraying is interrupted. Mix only the amount of suspension needed for the application.

For power spray application, circulate material with minimum of bypass agitation.

PESTS

- Ants¹
- Fire Ants¹
- Boxelder Bugs
- Bees and Wasps
- Carpenter Bees
- Cockroaches
- Asian Cockroaches
- Crickets
- Earwigs
- Firebrats
- Fleas
- House Flies
- Millipedes
- Pillbugs
- Silverfish
- Sowbugs
- Spiders
- Termites²
- Scorpions
- Ticks
- Whiteflies

SPECIFIC INSTRUCTIONS

¹ Use only the drench method of application. To drench, apply 1-2 gallons of spray 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".

² Use a spot application to control termites in infested wood. This treatment is not to be used as a substitute for a complete termiticide treatment.

Attention:

This product is to be used on nonedible plant material only.

Do not allow product to come into contact with bodies of water by application or drift.

Do not apply to pets, crops, firewood or sources of electricity.

Do not allow people or pets on treated surfaces until spray has dried.

Do not use water base sprays of Biflex 5 T insecticide in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

Let surfaces dry before allowing children and pets to contact surfaces.

GENERAL INFORMATION

Biflex 5 T is a 5% Tablet formulation which mixes readily with water and may be used in all types of spray equipment. Biflex 5 T may be used for residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport, as a perimeter treatment to control pests outside of structures and other constructions, as a residential lawn treatment. The pests are listed on the accompanying table. Biflex 5 T may be tank-mixed with other products, including insect growth regulators. When tank mixing Biflex 5 T with other products, observe all precautions and limitations on each product. The addition of spreader stickers is not necessary.

Apply Biflex 5 T insecticide using recommended rates as a residual spray to outside surfaces of structures including, but not limited to, homes, fences, porches, window frames, eaves, patios, garages, refuse dumps, residential lawns only 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, mulch, ornamentals and other areas where pests congregate or have been seen. **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.**

Apply either as a crack and crevice, pinstream, spot, coarse, low pressure spray (25 psi or less), broadcast, or with a paint brush.

Indoor Treatments: Apply as a coarse, low pressure, crack and crevice or spot 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. **Do not use as a space spray.** Pay particular attention to cracks and crevices. Use 1 to 3 tablets per 1 gallon of water.

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

Non-food Areas: Permitted areas of use include industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses, and the nonfood/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft (cargo areas only), schools, nursing homes, hospitals, restaurants, hotels, food manufacturing, processing and servicing establishments. **Permitted non-food/feed areas** such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules,

Protect aquariums from spray mist.

Do not use this product with oil.

During indoor surface applications do not allow dripping or run-off to occur.

Do not apply this product in patient rooms or any room while occupied by the elderly or infirm.

Do not apply to classrooms when in use.

Note to label reviewer

Each tablet is designed to contain 0.18 grams (0.0004 lbs.) of active ingredient. For indoor applications the % w/w of active ingredient in the finished spray is the necessary rate parameter. 1 gallon of water weighs 3,785.4 grams. Therefore one tablet per gallon of water contains (0.18/3,785.4) @ 100 = 0.005% w/w.

Number of Biflex 5 T/Gallons of Finished Spray							
% w/w	1 gal.	2 gal.	3 gal.	4 gal.	5 gal.	10 gal.	lb. A) 10 gal. spray
0.005	1	2	3	4	5	10	0.004
0.010	2	4	6	8	10	20	0.008
0.015	3	6	9	12	15	30	0.012
0.020	4	8	12	16	20	40	0.016
0.025	5	10	15	20	25	50	0.020

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.

Biflex and FMC—Trademarks of FMC Corporation
(1385-6/7/96)