


OFFICIAL FILE COPY

DATE		SURNAME		SYMBOL	
U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Registration Registration Division (NP-5050) 401 "M" St., S.W. Washington, D.C. 20460				EPA Reg. Number: 53219-9	
				Date of Issuance: January 25, 1993	
NOTICE OF PESTICIDE: <u>  X  </u> Registration <u>      </u> Reregistration				Term of Issuance: Conditional	
(under FIFRA, as amended)				Name of Pesticide Product: M-PERIL BIOINSECTICIDE	
Name and Address of Registrant (include ZIP Code): Mycogen Corporation 5451 Oberlin Drive San Diego, California 92121					
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. 53219-9".					
Signature of Approving Official: <i>William H. Nelson</i>				Date: <i>1/28/93</i>	

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 53219-9

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

4. Please note that, should there be any followup request for additional information/data, MYCOGEN must provide the Agency with these data or information.

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.

*Willie H. Nelson  
for Phil Hutton*

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# M-Peril

## BIOINSECTICIDE

For Control of Larvae of European Corn Borer, Southwestern Corn Borer,  
Fall Armyworm, and Tobacco Budworm on Corn and Tobacco.

### ACTIVE INGREDIENT:

Delta endotoxin of Bacillus thuringiensis variety kurstaki  
encapsulated in killed Pseudomonas fluorescens — — — — — 3.75%

INERT INGREDIENTS: — — — — — 96.25%

TOTAL: 100.00%

One pound of this product contains .0375 lbs. of delta endotoxin of Bacillus thuringiensis variety kurstaki encapsulated in killed Pseudomonas fluorescens.

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION

EPA Reg. No. 53219-

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① ②  
EPA Est. No. 33560-TN-1 39578-TX-1  
Superscript corresponds to first number of  
lot number stamped on bag

Net Contents: 50 pounds

Mycogen Corporation  
5451 Oberlin Drive :....  
San Diego, CA 92121

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

1/25/93  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

53219-9

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### PRECAUTIONARY STATEMENTS

**HAZARD TO HUMANS AND DOMESTIC ANIMALS:** Avoid contact with eyes, skin or clothing.

**STATEMENT OF PRACTICAL TREATMENT:** If in eyes, flush with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS:** Keep out of lakes, ponds, or streams. Do not contaminate aquatic systems by cleaning of equipment or disposal of wastes.

For emergency medical information, call toll free 1-800-228-5635.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.

### GENERAL INFORMATION

This product is a ready-to-use granular formulation of delta endotoxin of Bacillus thuringiensis variety kurstaki encapsulated in killed Pseudomonas fluorescens designed for the selective control of European corn borer, tobacco budworm, southwestern corn borer and fall armyworm. For calibration purposes, the bulk density of this product is 90 lbs. per cubic ft. This product must be eaten by the target insect to be effective. After ingesting the delta endotoxin, worms immediately stop feeding. Death usually occurs 1-5 days later.

### STORAGE AND DISPOSAL

Do not contaminate water, feed or foodstuff by storage or disposal.

**Storage:** Keep container unopened until use. Store unused product in original container. Store in a cool, dry place.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag in 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.

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## TIMING AND APPLICATION

### CORN

For control of larvae of European corn borer, southwestern corn borer and fall armyworm in corn, this product may be applied by properly calibrated ground or aerial equipment at the rates shown in the accompanying table.

**WHORL TREATMENTS:** Apply granules to corn foliage, targeting the whorl of the plant. Larvae should be small (1st-3rd instar) and present in the whorl or on leaf surfaces at the time of application. Unsatisfactory control may result if treatment is delayed until after larvae have begun boring into stalk.

**SILK/TASSEL TREATMENTS:** Apply granules to corn by air or with high clearance ground equipment when first egg hatch is occurring. Under conditions of extended egg deposition, a second application may be necessary.

### TOBACCO

For tobacco budworm control in tobacco, this product may be applied by ground equipment or by hand as indicated below. Apply granules to the foliage of tobacco.

### RECOMMENDED RATES

CROPS	PEST	RATES
field corn, sweet corn, popcorn, seed corn	European corn borer, southwestern corn borer, fall armyworm	10-20 lbs./acre broadcast by air.  6-12 oz./1000 linear feet of row when band applied with ground equipment
tobacco	tobacco budworm	6-12 oz./1000 linear feet of row

There are no reentry or harvest restrictions for this product.

Use higher rates for control of southwestern corn borer and fall armyworm.

#### LIMIT OF WARRANTY AND LIABILITY

This product conforms to the description on this label and is reasonable for the purpose set forth on this label when used according to the label directions and under the specified label conditions. THE MANUFACTURER DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Buyer and all users assume all risks and responsibility for loss or damage if this product is used, stored, handled or applied under any condition not reasonably foreseeable or beyond the manufacturer's control, or not as explicitly set forth in this label. THE LIMIT OF THE MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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