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Mr. David L. Olson, Director
Regulatory Affairs
Ecogen, Inc.
2005 Cabot Boulevard West
Langhorne, PA 19047-1810

Dear Mr. Olson:

Subject: Foil OF
EPA Registration No. 55638-10
Your Revised Labeling Submitted with Your Letter
Dated December 11, 1990

The labeling referred to above, submitted in connection with
registration under the Federal Insecticide, Fungicide, and Rodenticide
Act, is acceptable. A stamped copy of the label is enclosed for your
records. Submit five (5) final printed labels.

Sincerely yours,

Phil Phil Hutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

51288:1:WP5.0:Mendelsohn:C.Disk:KEVRIC:01/28/91:CL:W0:tlc

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

FOIL^R
OIL FLOWABLE BIOINSECTICIDE

Active Ingredient:

Bacillus thuringiensis subspecies
kurstaki strain EG2424

Lepidopteran active toxin. 5.25%
Coleopteran active toxin. 2.25%

Inert Ingredients. 92.50%

Total. 100.00%

0.60 lbs. active ingredient per gallon

FOIL^R bioinsecticide is a biological insecticide for the control of lepidopteran and coleopteran pests.

KEEP OUT OF REACH OF CHILDREN
WARNING

STATEMENT OF PRACTICAL TREATMENT

- If Swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.
- If Inhaled: Remove victim 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 In Eyes: Flush with plenty of water. Call a physician.

AVISO

PRECAUSION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

EPA Reg. No. 55638-10
EPA Est. No. 769-GA-1

Ecogen, Inc.
2005 Cabot Blvd. West
Langhorne, PA 19047

Net Contents: 2.5 U.S. Gallons

Feb 14 1991

55638-10

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if inhaled. Do not breathe vapor or spray mist. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute of Occupational Safety and Health. Remove contaminated clothing and wash before reuse. Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Causes skin irritation. Harmful if swallowed.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters.

Not for Use or Storage In or Around the Home.

RE-ENTRY STATEMENT

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **"WARNING.** Area treated with **FOIL^R** on (date of application). Do not enter without protective clothing."

Storage and Disposal

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

Storage: Store in a cool, dry place inaccessible to children.

Pesticide Disposal:

Do not contaminate water when disposing of equipment washwaters. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke!

Directions for Use

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

Preharvest Interval: There are no restrictions for applying FOIL^R up to the time of harvest.

FOIL^R bioinsecticide is a highly selective insecticide for use against the lepidopteran and coleopteran larvae listed in the Application Rate table. Larvae must consume deposits of FOIL^R to be affected. Always follow these directions:

- o Careful scouting and early attention to infestations are essential to good control.
- o Treat for European corn borer when peak moth activity and egg-laying is occurring.
- o Treat when Colorado potato beetle larvae are young (early instars) and are actively feeding on foliage.
- o Apply before extensive foliar damage has occurred.
- o Thorough spray coverage is essential to good insect control.

- When insect infestations are heavy, use the higher label rates, shorten the spray interval and/or use larger total spray volume to improve spray coverage.
- Spray water, spray tank solutions should not exceed pH 8.0. If necessary, buffer water to near neutral pH (7.0).
- For improved durability of spray deposits, an approved spreader/sticker is recommended.
- After consuming a lethal dose of FOIL^R, larvae will cease feeding, but may remain on the foliage until they die within several days. Dying larvae move slowly, become discolored, shrivel, blacken and die.

FOIL^R may be applied with conventional ground or aerial equipment with quantities of water sufficient to provide thorough coverage of infested plants. Do not apply this product through any type of irrigation system. To obtain a suitable mixture with water, fill the mix tank or plane hopper with the desired quantity of water. Mechanical or hydraulic agitation may be used to provide moderate circulation. For best results, shake container well, empty 1/2 of contents, reshake, do not add water to container until completely empty.

If a sticker is to be included, add after the addition of FOIL^R. Always add FOIL^R after introducing the desired quantity of water. Maintain suspension while loading and spraying. Do not mix more FOIL^R than can be used in a 24-hour period. Rinse and flush spray equipment thoroughly following each use. Dispose of rinsate as described in the Storage and Disposal section of this label.

APPLICATION RATE

Crop	Pest	Quarts/Acre ¹
Potatoes, Tomatoes and Eggplant	Colorado potato beetle ²	3 to 5
	European corn borer ³	3 to 5
	Armyworms and Loopers ⁴	3 to 5

- 1 For ground applications, use a minimum of 20 gallons of water per acre. For aerial applications, use a minimum of 5 gallons of water per acre.
- 2 Timing: Initial application should be made when 30% of observed egg masses have hatched. Repeat application at an interval sufficient to maintain control, usually 5-10 days depending upon plant growth, insect activity and weather conditions after spraying.
- 3 Timing: Initial application should be made at peak moth activity. Subsequent sprays should be applied weekly as needed.
- 4 Treat when larvae are young (early instars) and are actively feeding on exposed plant parts. Apply before extensive foliar damage has occurred.

Warranty and Conditions of Sale

Ecogen warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under normal conditions of use. **ECOGEN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable, refund of the purchase price. In no case will Ecogen be liable for incidental, consequential or special damages resulting from the handling, storage or use of this product.

FOIL^R is a registered trademark of Ecogen, Inc.
Patent Pending
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