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

APR 29 1991

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

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

Dear Mr. Olson:

Subject: Revised Labeling Adding New Crops  
Condor OF  
EPA Registration No. 55638-7

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable subject to the following comments.

1. Comply with PR Notice 82-1.
2. Per Mike Mendelsohn's 4/29/91 conversation with David Olson, delete lawn and turf from the Directions for Use.

A stamped copy of the label is enclosed for your records. Submit five (5) copies of final printed labeling.

Sincerely,

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

**BEST AVAILABLE COPY**



Printed on Recycled Paper

**CONDOR<sup>R</sup>**  
**Oil Flowable Bioinsecticide**

**Active Ingredient:**

Bacillus thuringiensis subspecies  
kurstaki strain EG2348  
Lepidopteran active toxin. . . . . 7.5%  
  
Inert Ingredients. . . . . 92.5%  
Total. . . . . 100.0%  
0.60 lbs. active ingredient per gallon

Potency: 96 billion Lymantria Units per gallon of this product.  
Potency Units should not be used to adjust use rates beyond those  
specified in the Directions for Use section.

CONDOR<sup>R</sup> bioinsecticide is a biological insecticide for the control of  
lepidopteran 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 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**

**Precaution Al Usuario:**

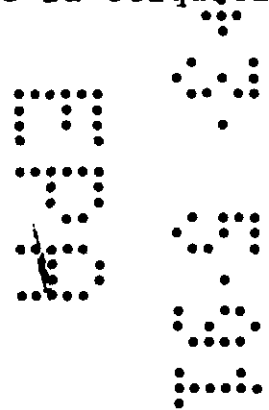
Si usted no lee ingles, no use este producto hasta que la etiqueta le  
haya sido explicada ampliamente.

EPA Reg. No. 55638-7  
EPA Est. No. 769-GA-1

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

Net Contents: 30 U.S. Gallons  
2.5 U.S. Gallons

ACCOMMODATION  
55638-7  
EPA Reg. No.  
EPA Est. No.



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if inhaled. Do not breathe vapors or spray mist. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Applicators, mixers and loaders must wear goggles and a pesticide respirator approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Aerial application over such sites is permissible only over the forest canopy. 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 a person to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING: Area treated with Condor<sup>R</sup> 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.

CONDOR<sup>R</sup> bioinsecticide is a highly selective insecticide for use against the lepidopteran larvae listed in the Application Rate table. Larvae must consume deposits of CONDOR<sup>R</sup> to be affected. Always follow these directions:

#### **FOREST, SHADE TREES AND SHRUBS**

##### **For gypsy moth**

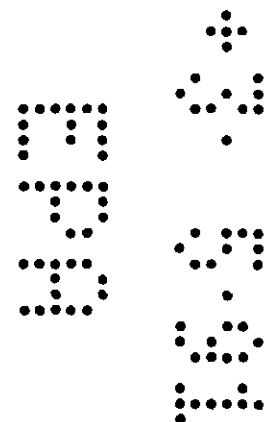
- Treat when larvae are young (early instars) and are actively feeding on foliage.
- When using a single application for insect control, apply when egg hatch (or larval emergence from diapause) is essentially complete. Gypsy moth larvae will be in the first or second instars.

##### **For Spruce budworm**

- Application should be made when 75% of the larvae are in the 3rd and 25% in the 4th instars.

**FIELD CROPS**

- Careful scouting and attention to infestations are essential to good control.
- Apply before extensive foliar damage has occurred.
- Treat when larvae are young (early instars) and are actively feeding on foliage.
- Thorough spray coverage is essential to good insect control. Directed drop nozzles may be required for some crops.
- 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.
- Repeat applications at an interval sufficient to maintain control, usually 3-14 days depending on plant growth, insect activity, and weather conditions after spraying.
- For improved durability of spray deposits, an approved spreader sticker is strongly recommended for hard to wet crops.
- Spray water/spray tank solutions should not exceed pH 8.0. If necessary, buffer water to near neutral pH (7.0).
- To prevent potential for phytotoxicity/crop injury to vegetables do not apply CONDOR<sup>R</sup> if temperatures exceed 90° F.
- After consuming a lethal dose of CONDOR<sup>R</sup>, larvae will cease feeding, but may remain on the foliage until they die within several days. Dying larvae move slowly, discolor, shrivel and blacken prior to death.
- Local conditions may affect the use of CONDOR<sup>R</sup>. Consult State Agricultural Extension Specialists for specific recommendations related to local crop protection problems.



### Mixing and Application instructions

CONDOR<sup>R</sup> 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 spray tank with the desired quantity of water, then add CONDOR<sup>R</sup>.

For best results:

1. Shake container well
2. Empty 1/2 of contents
3. Reshake
4. Do not add water to container until completely empty.

CONDOR<sup>R</sup> should be mixed well and never added before introducing water into the tank. If a sticker is to be used, add after the addition of CONDOR<sup>R</sup>. Mechanical or hydraulic agitation should be used. Maintain suspension during loading and spraying. Do not mix more CONDOR<sup>R</sup> than can be used in a 24-hour period. Rinse and flush spray equipment thoroughly following each use. Do not contaminate water when disposing of equipment washwaters.

### Application Rate

#### CONDOR<sup>R</sup> for Trees

Crop	Pest	Pints per 100 Gallons (Ground <sup>1</sup> Equipment)	Pints per Acre (Aerial <sup>2</sup> Application)
Forests, Shade, Trees and Shrubs	Gypsy moth Spruce budworm	1.5 to 2.0	1.5 to 2.5

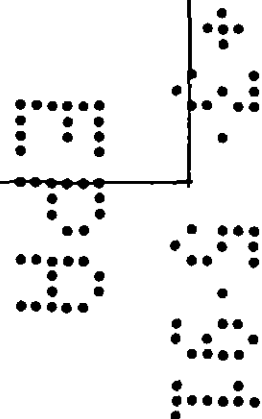
1 Spray volume for high pressure hydraulic equipment. For mist blowers, mix the applicable amount of product (pints) in up to 10 gallons of water. Individual trees and shrubs should be sprayed to runoff. Use low rate only for light infestations.

2 For aerial applications, use up to 2 gallons of water per acre depending upon type and density of stand. Best results are obtained with spray systems that deliver droplet sizes below 200 microns in diameter. For diluted applications, CONDOR<sup>R</sup> should always be mixed with at least an equal volume of water. Use 1.5 pints per acre only for light infestations.

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CONDOR<sup>R</sup> for Vegetable and Field Crops

Crop	Pest
Arugala Asparagus Beans Beets Bok Choy Broccoli Brussel sprouts Cabbage Canola Cauliflower Celery Citrus Chicory Collards Corn, field & sweet Cucumber Cucurbits Eggplant Escarole Endive Grapes Horseradish Kale Lettuce (Head, Leaf, Romaine) Melons Mustard Greens Parsnips Peanuts Peas Peppers Potatoes Radishes Soybeans Spinach Squash Strawberries Sugar Beets Sweet Potatoes Swiss chard Tomatoes Turnips Watercress	Armyworms Beet armyworm Cabbage looper Cabbage webworm Celery leaf-tier Corn earworm Cross striped cabbageworm Diamondback moth European corn borer Fall armyworm Green cloverworm Imported cabbageworm Melonworm Orange dog Pickleworm Rind worm complex Soybean looper Tobacco budworm Tomato fruitworm Tomato hornworm Tomato pinworm Velvetbean caterpillar



**CONDOR<sup>R</sup> for Vegetable and Field Crops (Continued)**

Crop	Pest
Cotton <sup>1</sup>	Beet armyworm, Cotton bollworm, Tobacco budworm, Cabbage looper, Soybean looper
Pasture, Lawn, Turf	Armyworm
Alfalfa, Hay & Seed	Alfalfa Caterpillar, Armyworms, Loopers
Tobacco	Tobacco budworm, Tobacco hornworm
Rate to Apply <sup>2</sup>	1.0 to 3.0 quarts/acre

<sup>1</sup> Use **CONDOR<sup>R</sup>** to control light to moderate populations of newly hatched worms in integrated pest management programs. Repeat treatments at 4 to 5 day intervals or as long as necessary and results are acceptable. For control of cotton bollworm and tobacco budworm ovicides such as **LARVIN<sup>R</sup>** should be combined with **CONDOR<sup>R</sup>** at each application. **LARVIN<sup>R</sup>** is a trademark of Rhone Poulenc.

<sup>2</sup> For ground applications, use a minimum of 5 gallons of water per acre for field crops and 20 gallons per acre for vegetables. For aerial applications, use a minimum of 2 gallons of water per acre.

**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.

**CONDOR<sup>R</sup>** is a registered trademark of Ecogen, Inc.  
 Patent Pending  
 Vers. 2/91 c 1991 Ecogen, Inc.