

CUTLASS^R
Oil Flowable Bioinsecticide

Active Ingredient:

Bacillus thuringiensis subspecies
kurstaki strain EG2371
Lepidopteran active toxin. 7.5%
Inert Ingredients. 92.5%
Total. 100.0%
0.60 lbs. active ingredient per gallon

CUTLASS^R 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. 55638-9
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

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 17 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
55638-9

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or clothing. Wear goggles, face shield, or safety glasses. Avoid breathing dust (vapor or spray mist). Wash thoroughly with mild soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

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 reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** Area treated with CutlassR 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.

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

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.

- 5 2 8
- 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 CUTLASS^R if temperatures exceed 90° F.
 - After consuming a lethal dose of CUTLASS^R, 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 CUTLASS^R. Consult State Agricultural Extension Specialists for specific recommendations related to local crop protection problems.

Mixing and Application instructions

CUTLASS^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 spray tank with the desired quantity of water, then add CUTLASS^R.

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.

CUTLASS^R 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 CUTLASS^R. Mechanical or hydraulic agitation should be used. Maintain suspension during loading and spraying. Do not mix more CUTLASS^R 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

CUTLASS^R 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

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CUTLASS^R for Vegetable and Field Crops (Continued)

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

¹ Use **CUTLASS^R** 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^R** should be combined with **CUTLASS^R** at each application in accordance with the more restrictive of label limitation and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

LARVIN^R is a trademark of Rhone Poulenc.

² 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.

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Patent Pending
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