



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:
 89046-11

Date of Issuance:
 08/15/2016

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:
 Unconditional

Name of Pesticide Product:
 Bioprotec Caterpillar Insecticide
 Concentrate

Name and Address of Registrant (include ZIP Code):

AEF Global, Inc.
 925A Des Calfats
 Lévis, Quebec, Canada
 G6Y 9E8

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her 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 the 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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Jeannine Kausch, Acting Product Manager 92
 Microbial Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

08/15/2016

2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statements of Formula (CSF):

- Basic CSF dated 07/28/2016
- Alternate CSF dated 07/28/2016

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Mike Mendelsohn by phone at (703) 308-8715 or via email at mendelsohn.mike@epa.gov.

Sincerely,



Jeannine Kausch, Acting Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution Prevention
Division (7511P)
Office of Pesticide Programs

Enclosure

MASTER LABEL

BIOPROTEC CATERPILLAR INSECTICIDE CONCENTRATE

Alternate brand names: Bioprotec Caterpillar Killer Concentrate, Bioprotec BT Caterpillar Killer concentrate, Bioprotec Caterpillar Insecticide for Tomato and Vegetable Garden, Bioprotec Caterpillar Killer for Vegetable Garden, Bioprotec BT Caterpillar Killer for Vegetable Garden, Bioprotec Caterpillar Killer for Trees and Shrubs, Bioprotec BT Caterpillar Killer for Trees and Shrubs, Bioprotec Caterpillar Killer for Lawn, Bioprotec BT Caterpillar Killer for Lawn

FOR HOME AND GARDEN USE ON LISTED CATERPILLARS BY RESIDENTIAL APPLICATORS.

Active Ingredient:

Bacillus thuringiensis ssp. *kurstaki* strain EVB-113-19*9.50%

Other Ingredients90.50%

Total100.00%

*Potency: 11,400 Cabbage Looper Units (CLU) per mg of product (equivalent to 48 billion CLU per gallon)

There is no direct relationship between intended activity (potency) and the percent active ingredient by weight.

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See back/inside/side panel for additional precautionary statements.]

AEF Global, Inc.
925A des Calfats
Lévis, QC
Canada
G6Y 9E8

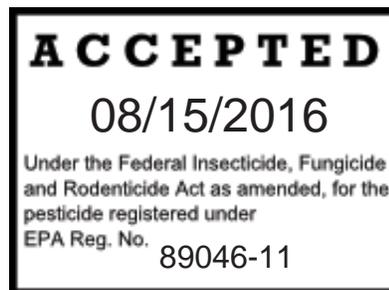
EPA Reg. No.: 89046-11

EPA Est. No.:

Lot number: _____

Net contents: _____

Date of Manufacture: _____



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
If on skin:	<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 further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center, doctor, or going for treatment. You may contact the National Poison Control Hotline at 1-800-222-1222 for emergency and medical information.	
For information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)
<u>Applicators and other handlers must wear</u>
<ul style="list-style-type: none">• <u>long-sleeved shirt and long pants</u>• <u>waterproof gloves</u>• <u>shoes plus socks</u>• <u>safety glasses</u>
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

Do not make manual application within 300 feet of any threatened or endangered *Lepidoptera*.

DIRECTIONS FOR USE

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

Only protected handlers may be in the area during applications. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Keep unprotected persons out of treated areas until sprays have dried.

USE RESTRICTIONS

Do not apply this product through any type of irrigation system.

USE INFORMATION

Bioprotec Caterpillar Insecticide Concentrate contains a naturally-occurring bacterium used for controlling leaf feeding caterpillars. Caterpillars stop feeding and foliage damage is prevented when the product is applied as directed. Caterpillars will die within a few days of application. Bioprotec Caterpillar Insecticide Concentrate is UV resistant for up to 7 days.

Bioprotec Caterpillar Insecticide Concentrate is toxic to select species of caterpillars. Bioprotec Caterpillar Insecticide Concentrate is not effective on eggs, pupae and adult moths. Target pests must ingest Bioprotec Caterpillar Insecticide Concentrate for efficacy. Both sides of the foliage where caterpillars are feeding must be thoroughly covered with the spray solution. Bioprotec Caterpillar Insecticide Concentrate is most effective against small, young larvae that are actively feeding. After ingestion of a sufficient dose, caterpillars cease feeding within a few minutes and death occurs in 2 - 5 days.

Rate/Dilution

Use a small backpack or hand held sprayer to apply Bioprotec Caterpillar Insecticide Concentrate. Mix 0.4 fl. oz of Bioprotec Caterpillar Insecticide Concentrate per gallon of water. For high population and larger caterpillars such as Gypsy Moths and Budworms and Cutworms, use 0.8 fl. oz of Bioprotec Caterpillar Insecticide Concentrate. Do not store spray mixture in equipment for more than 18 hours. Allow treated surfaces to dry thoroughly before re-entering treated areas.

Add a portion of the required amount of water to the sprayer first. Next, add the corresponding amount of Bioprotec Caterpillar Insecticide Concentrate and fill the sprayer with the required amount of water. Mix the spray solution vigorously before application.

Coverage: Spray all leaf surfaces thoroughly to provide good coverage without runoff. One gallon of spray solution covers approximately 400 square feet of vegetation.

Timing: Apply at first signs of infestation when larvae are young and small. Repeat applications every 7 - 10 days, if required. In conditions where egg hatch is extended and/or larval population is high, make a second application 3 to 5 days later. Avoid application when rainfall is imminent. Do not use for early morning application if foliage is wet with dew to the point of runoff.

Bioprotec Caterpillar Insecticide Concentrate may be applied up to the day of harvest.

VEGETABLES AND FRUITS

CROP	TARGET PESTS
Asian Radish Beans Beets Bok Choy Broccoli Brussels Sprouts Cabbage Carrots Cauliflower Celery Chinese Cabbage Chinese Broccoli Collards Cucumbers Endive Eggplant Escarole Kale Kohlrabi Lentils Lettuce Melons Mustard Mustard Greens Parsley Peas Peppers - Sweet Peppers Potatoes Spinach Squash Sweet corn Sweet Potato Tobacco Turnip Greens Tomatoes	Loopers Imported Cabbage Worms Diamond Back Moth European Corn Borer Hornworms Tomato Fruitworms Armyworms Green Cloverworms Melonworms Pickleworms Mimosa Webworms Salt Marsh Caterpillar Corn Earworms Bollworms Tobacco Budworms
Orchards: Apple Apricot Cherry Peach Pear Plum/Prune Blueberries Blackberries Dewberries Grapes Strawberries Cranberries Currants	Fruittree Leafrollers, European Leafrollers Obliquebanded Leafrollers Three-lined Leafrollers Fruitworms White marked Tussock Moth Green and Brown Spanworms Oblique-banded leafrollers Armyworms Grapeleaf Skeletonizer Grape Leaffolders/Leafrollers Hornworms Loopers Salt Marsh Caterpillar

FRUIT TREES, TREES AND SHRUBS

Spray all leaf surfaces thoroughly to provide good coverage without run-off. For broadleaf trees, apply when leaf expansion reaches 40-50%. For conifers, apply when needle shoot development is sufficient to ensure good deposit. Spray when caterpillars first appear. Repeat after 7 - 10 days, if required.

TARGET PESTS
Gypsy moth Eastern Spruce Budworms Western Spruce Budworms Jack Pine Budworms Forest Tent Caterpillar Eastern Hemlock Loopers Bagworms Elm Spanworms Spring & Fall Cankerworms Satin Moth White Marked Tussock Moth

FLOWERS AND ORNAMENTAL PLANTS

TARGET PESTS
Loopers Omnivorous Leafrollers Ello Moth (Hornworms) Tobacco Budworms Diamondback Moth Io Moth Omnivorous Loopers Armyworms Oleander Moth Sunflower Moth

TURF

Apply 2 to 5 gallons of prepared Bioprotec Caterpillar Insecticide Concentrate per 1000 square feet using enough spray volume to obtain thorough coverage. Irrigate the area after application with 1/8 inch of water to increase penetration of turf surface. To control Cutworms, use 2 fl. oz. of Bioprotec Caterpillar Insecticide Concentrate.

Coverage: 2.5 gallons of spray solution covers approximately 1000 square foot of vegetation. Apply at first signs of infestation when larvae are young and small. Repeat applications every 7 - 10 days, if required. Avoid application when rainfall is imminent.

Not for use on turf being grown for sale or other commercial use as sod or for commercial seed production or for research purposes.

TARGET PESTS
Cutworms Armyworms Sod Webworms Tropical Sod Webworms

