

BIOPROTEC ECO

Domestic

Potential Sensitizer

Suspension

**FOR THE CONTROL OF CATERPILLARS ON VEGETABLES, FRUITS, SHADE TREES,
ORNAMENTALS, AND EVERGREENS**

**Controls cabbage looper, diamondback moth, imported cabbage worm, leafrollers, spanworms,
fruitworms, hornworms, spruce budworm, gypsy moth, forest tent caterpillar, bagworms,
cankerworms, and other listed caterpillars.**

KEEP OUT OF CHILDREN

READ THE LABEL BEFORE USING

GUARANTEE:

Active Ingredient: *Bacillus thuringiensis* subspecies *kurstaki*, strain HD-1, at a potency of 11,400 International Units (IU) per mg, equivalent to 12.7 BIU (Billion International Units) per litre.

REGISTRATION NO: 27251

PEST CONTROL PRODUCTS ACT

Net Contents : 100 ml / 200 ml / 500 ml

Makes 30 / 60 / 160 Litres

Lot No.

Date of Manufacture: _____

This product must be used within 12 months of the date of manufacture when stored at temperatures between 4° C and 15° C. This product must be used within 4 months of the date of manufacture when stored at temperatures between 16° C and 25° C.

AEF Global, Inc.
201, Mgr-Bourget
Lévis (Quebec)
G6V 9V6

Toll-free Help-line: 1-866-622-3222

Bioprotec ECO is toxic to some species of caterpillars. Bioprotec ECO is not effective on eggs, pupae and adult moths. It is a stomach poison only. Therefore, caterpillars must ingest Bioprotec ECO to be killed. Both sides of foliage where caterpillars are feeding must be thoroughly covered with the spray solution. Bioprotec ECO 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.

DIRECTIONS FOR USE:

DO NOT APPLY BY AIR. Use a small backpack or hand held sprayer to apply Bioprotec ECO. Use 30 ml of Bioprotec ECO per 10 litres of water (one bottle will give you 30 / 60 / 160 litres of spray solution). If caterpillars are big, use 60 mL of Bioprotec ECO instead of 30 mL. Add some water to the sprayer and then add the correct amount of Bioprotec ECO. Continue filling the sprayer with water until the correct amount of spray solution is produced. Mix the spray solution vigorously before application. In conditions where egg hatch is extended and/or larval population is high, make a second application 3 to 5 days later.

Spray all leaf surfaces thoroughly to provide good coverage without run-off. One litre of spray solution covers approximately 10 square metres 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. For early morning application, foliage should not be wet with dew to the point of runoff. Use the spray mixture within 12 hours. Bioprotec ECO may be applied up to the day of harvest.

GARDEN USES (VEGETABLES and FRUITS):

CROP	PEST SPECIES
Asian Radish, Bok Choy, Broccoli, Brussels Sprouts, Cabbages, Cauliflowers, Celery, Chinese Cabbages, Chinese Broccoli, Collards, Kale, Lettuces, Mustard Greens, Parsley, Potatoes, Spinach, Turnip Greens	Cabbage Looper, Imported Cabbage Worm, Diamond Back Moth
Sweet peppers	European Corn Borer
Orchards: Apple, Apricot, Cherry, Peach, Pear Plum/Prune	Leafrollers (Fruittree, European, Oblique-banded, Three-lined) and Fruitworms
Tomatoes	Hornworms, Tomato Fruitworm, Cabbage Looper, Imported Cabbage Worm, Diamond Back Moth
Blueberries	White Marked Tussock Moth
Sunflowers	Sunflower Moth
Cranberries	Green and Brown Spanworms
Red Raspberries	Oblique-banded leafroller

GREENHOUSE USES:

CROP	PEST SPECIES
Vegetables (Tomatoes, Lettuces, Cucumbers, Peppers)	Cabbage Looper, Tomato Hornworm
Chrysanthemums	Cabbage Looper
Roses	Omnivorous Leafroller

SHADE AND ORNAMENTAL TREE USES:

(Woodlots, Tree Plantations, Cottage Areas, Urban Areas, Residential Areas)

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.

PEST SPECIES
Gypsy moth
Eastern Spruce Budworm
Western Spruce Budworm
Jack Pine Budworm
Forest Tent Caterpillar
Eastern Hemlock Looper
Bagworm
Elm Spanworm
Fall Spanworm
Spring & Fall Cankerworm
Satin Moth
White Marked Tussock Moth

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May cause sensitization. Avoid contact with skin, eyes or clothing. Wear a long sleeved shirt, long pants, waterproof gloves and eye goggles when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID:

If in eyes: flush eyes with plenty of water.

If on skin: wash thoroughly with soap and water.

Seek medical attention if irritation occurs and persists. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE:

Store in the original container, at temperatures between 4° C and 25° C. Storage at cooler temperatures is preferred. Store container upright and keep tightly closed when not in use. After extended storage, shake or stir contents to assure a uniform suspension. For storage at temperatures between 4° C and 15° C, the product should be used within 12 months of the date of manufacture. For storage at temperatures between 16° C and 25° C, the product should be used within 4 months of the date of manufacture.

DISPOSAL:

Do not reuse the empty container. Rinse container, wrap and dispose of it in household garbage.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

Bioprotec is a registered trademark of AEF Global Inc.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.