

2024-1909
2024-06-05

LOOPEX FC
Suspension Concentrate Insecticidal Virus

For the Control of Cabbage Looper Larvae (*Trichoplusia ni*) and Alfalfa Looper Larvae
(*Autographa californica*) on listed crops

COMMERCIAL

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: *Autographa californica* Nucleopolyhedrovirus FV11
Minimum of 5×10^8 polyhedral inclusion bodies (PIBs)/mL.

REGISTRATION NO: 33105
PEST CONTROL PRODUCTS ACT

Net Contents: 200 mL to 4000 mL

CAUTION – EYE IRRITANT
POTENTIAL SENSITIZER



Adermatt
• • • • • Canada

12 Fairway Drive Hanwell,
New Brunswick, E3C 0M2
Tel: 1-506-444-5690

Batch Number:
Date of Manufacture:

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Potential sensitizer. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wear waterproof gloves, long-sleeved shirt, long pants, eye goggles, socks with shoes and use a NIOSH-approved mist filtering respirator or NIOSH-approved mist filtering mask when mixing/loading, applying and during all clean-up and repair activities. Wash thoroughly with soap and water after handling the product. Remove contaminated clothing and follow manufacturer's directions for cleaning/maintaining personal protective equipment (PPE) before reuse.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Can be applied up to and including the day of harvest. The pre-harvest interval (PHI) is 0 days.

RESTRICTED ENTRY INTERVAL (REI):

DO NOT enter or allow worker entry into treated areas for 4 hours or until sprays have dried, unless wearing appropriate personal protective equipment including waterproof gloves, long-sleeved shirt, long pants and socks with shoes.

FIRST AID:

IF SWALLOWED - Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED - Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES - 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 centre or doctor for treatment advice.

GENERAL – Seek medical attention immediately if irritation or signs of toxicity occur and persist or are severe. Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

GENERAL INFORMATION:

Autographa californica nucleopolyhedrovirus (AcMNPV) is a naturally occurring baculovirus within the genus *Alphabaculovirus*. It is infectious to cabbage looper larvae, *Trichoplusia ni*, and alfalfa looper larvae, *Autographa californica*. To be effective, deposits of AcMNPV must be ingested by susceptible larvae. Thorough coverage of target foliage where larvae are feeding is essential. When ingested by the host larvae, the polyhedral inclusion bodies (PIBs) of AcMNPV dissolve in the larval midgut and release occlusion derived viral particles that initially infect midgut tissues within the larvae. The infected larvae stop eating, become sluggish and die.

Cabbage looper and alfalfa looper mortality occurs between 4 and 9 days after ingestion of AcMNPV, depending on ambient temperature.

Baculoviruses co-evolved with and have only been found in insects. Member of the genus *Alphabaculovirus* do not infect Hymenopteran pollinators and parasitoids or insect predators such as praying mantis and ladybird beetles. No member of the Baculoviridae family has been found in vertebrates or plant and AcMNPV does not replicate in mammalian cells. Baculoviruses do not affect or infect fish, wildlife, humans or beneficial organisms.

CROPS:

Alfalfa (*Medicago sativa*)

Canola (*Brassica napus*)

Cucurbits Vegetables (Crop Group 9): Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, gourd (edible, includes Chinese okra, cucuzza, hechima, hyotan), *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (includes cantaloupe, casaba, crenshaw melon, golden pershaw melon, honey balls, honeydew melon, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon, true cantaloupe), pumpkin, summer squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), watermelon, winter squash (includes acorn squash, butternut squash, calabaza, hubbard squash, spaghetti squash).

Leafy Vegetables (Crop Group 4-13): Abyssinian cabbage, arugula, bitter lettuce, blackjack, broccoli raab, cat's whiskers, cham-chwi, cham-na-mul, chervil (fresh leaves), Chinese amaranth, Chinese broccoli, Chinese cabbage (bok choy), Chinese violet, chipilin, cilantro (fresh leaves), collards, corn salad, cosmos, dandelion, dang-gwi, dillweed (fresh leaves), dock, dol-nam-mul, ebolo, endive, escarole, English primrose, fameflower, feather cockscomb, garden cress, garden purslane, garland chrysanthemum, good King Henry, Hanover salad, head lettuce, huauzontle, jute leaves, kale, Indian aster, leaf lettuce, leafy amaranth, maca, Malabar spinach, mizuna, mustard greens, New Zealand spinach, orach, parsley (fresh leaves), plantain (including buckhorn plantain and common plantain), radicchio (red chicory), radish leaves, rape greens, seakale cabbage, shepherd's purse, spinach, Swiss chard, tanier spinach, tree spinach, turnip greens, upland cress, watercress, wild rocket, winter purslane, and cultivars, varieties and hybrids of these.

Brassica Head and Stem Vegetables (Crop Group 5-13): broccoli, Brussels sprouts, cabbage, Chinese cabbage (napa), cauliflower, and cultivars, varieties and hybrids of these.

DIRECTIONS FOR USE:

APPLICATION RATE: 50 – 200 mL of Loopex FC/ha (2.5 X 10¹⁰ to 1 X 10¹¹ PIBs/hectare)
Application timing should target small larvae and be applied using sufficient water volumes for thorough coverage (minimum 800L/ha recommended).

COMMENTS: Repeat application every 7 to 14 days if monitoring indicates that it is necessary. Loopex FC can be applied up to and including the day of harvest.

Note: To be effective, larvae must ingest foliage with deposits of **AcMNPV**. Uniform spray deposit coverage of the foliage is essential for optimum control.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

The pH of the solution should range between 5 and 8.5.

Read and understand the entire label before opening this product. If you have questions call the manufacturer at 1-506-444-5690 or to obtain technical advice from the distributor or your provincial agricultural representative.

STORAGE: Store in the refrigerator at 5°C. This product should be used within 24 months from the date of manufacture. To prevent contamination, store this product away from food or feed. Store container upright and keep tightly closed when not in use. Shake vigorously to re-suspend contents immediately prior to addition in water.

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills.

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.