

2022-5789
2024-05-24

Tutavir®

Biological Insecticide
Live Organism
Suspension Concentrate

For the Control of Tomato leafminer (*Tuta absoluta*) in listed greenhouse crops

COMMERCIAL

ACTIVE INGREDIENT: Phthorimaea operculella granulovirus isolate GV-0019
Minimum of 2×10^{13} occlusion bodies (OBs)/L.

REGISTRATION NO: 35012 PEST CONTROL PRODUCTS ACT

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

Net Contents: 0.1-1000 L

CAUTION – EYE IRRITANT
POTENTIAL SENSITIZER

Andermatt Canada Inc.
1350 Regent Street
Fredericton, New Brunswick, E3C 2G6
Tel: 1-506-444-5690

Batch Number:
Date of Manufacture:

PRODUCT PRECAUTIONS:

Read and understand the entire label before opening this product. If you have questions call the supplier at 1-888-870-6444 or obtain technical advice from the distributor or your provincial agricultural representative.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May cause sensitization. May irritate eyes. Avoid inhaling/breathing spray mist. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants, protective eyewear (goggles), waterproof gloves, socks and shoes, and a NIOSH-approved particulate filtering facepiece respirator with any N, P or R filter 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 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:

TUTAVIR® is a biological insecticide based on the *Phthorimaea operculella* granulovirus for control of Tomato leafminer (*Tuta absoluta*) on tomato, pepper, eggplant and other Solanaceous crops. TUTAVIR® acts only on ingestion by larvae, not by contact.

DIRECTIONS FOR USE**Greenhouse Crops:**

Fruiting Vegetables (Crop Group 8-09): African eggplant, bell pepper, bush tomato, cocona, currant tomato, eggplant, garden huckleberry, goji berry, groundcherry, naranjilla, non-bell pepper, pea eggplant, pepino, scarlet eggplant, sunberry, tomatillo, tomato, tree tomato, and cultivars, varieties and hybrids of these.

PEST	APPLICATION RATE	APPLICATION INSTRUCTIONS
Tomato leafminer (<i>Tuta absoluta</i>)	50 – 200 mL / ha	<p>Apply as a full coverage spray using enough water to sufficiently cover the crop without excess run-off, minimum 300 L/ha.</p> <p>Apply on newly hatched larvae and cover the whole larval hatching period.</p> <p>Use higher rates or shorter application intervals when pest pressure is high, plant tissue growth is fast or harvestable structures are present.</p> <p>Use lower rates when pest pressure is low or when used in combination with other insect control measures.</p>

- Depending upon the persistence of the pest infestation, applications should be repeated every 4-7 days.
- Uniform coverage of the foliage is essential for optimal control

SHAKE BEFORE USE!

The pH of the solution should range between 5 and 8.5

Restricted-Entry Interval (REI): DO NOT allow worker entry into treated areas for 4 hours or until sprays have dried unless wearing waterproof gloves, long-sleeved shirt, long pants, socks and shoes.

Pre-Harvest Interval (PHI): Tutavir® can be used up to and including the day of harvest. PHI=0 days.

Use Restrictions:

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

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

DO NOT apply by air.

DO NOT apply by any type of irrigation system.

DO NOT allow effluent or runoff from greenhouse containing this product to enter lakes, streams, ponds or other waters.

STORAGE: Keep in original container, tightly closed, in a cool and safe place and out of direct sunlight.

TUTAVIR® can be stored in the refrigerator ($\leq 5\text{ }^{\circ}\text{C}$) for two years from the date of manufacture.

DISPOSAL:

DO NOT REUSE THIS CONTAINER FOR ANY PURPOSE.

1. Triple- or pressure-rinse the empty container. Add the rinsings to spray mixture in the tank.
2. Follow provincial/territorial 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/territorial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial/territorial 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.