

PMRA Approved  
2021-6704  
2023-08-01

**Plutex®**

Biological Insecticide  
Live Organism  
Suspension Concentrate

For the Control of Diamondback Moth (*Plutella xylostella*)

COMMERCIAL

ACTIVE INGREDIENT: *Plutella xylostella* granulovirus (PlxyGV) isolate GV-0020  
Minimum of  $2.5 \times 10^{13}$  occlusion bodies (OBs)/L.

**REGISTRATION NO: 34785 PEST CONTROL PRODUCTS ACT**

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

**CAUTION EYE IRRITANT  
POTENTIAL SENSITIZER**

Net Contents: 100mL-1000L

Andermatt Canada Inc.  
1350 Regent Street  
Fredericton, New Brunswick, E3C 2G6  
Tel: 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 506-444-5690 or obtain technical advice from the distributor or your provincial agricultural representative.

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.**

May irritate eyes. May cause sensitization. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wear a long-sleeved shirt, long pants, protective eyewear (goggles), water-proof 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.

Apply only to agricultural crops when the potential for drift to areas of human habitation and 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.

**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** –Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically

**ENVIRONMENTAL PRECAUTIONS:**

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep 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 filter strip between the treated area and the edge of the water body.

**GENERAL INFORMATION:**

The active ingredient in **Plutex** is a naturally occurring virus of the diamondback moth (*Plutella xylostella*). It is a highly selective pathogen of the diamondback moth. It infects larvae by ingestion and passage through the digestive organs. Topical application has no effect.

Baculoviruses, such as the active ingredient in this product, co-evolved with and have only been found in insects. Members of the genus *Betabaculovirus*, which includes PlxyGV, do not infect Hymenopteran pollinators, such as bees, and parasitoids or insect predators such as praying mantis and ladybird beetles. No member of the virus family to which PlxyGV belongs has been found in vertebrates or plants and PlxyGV does not replicate in mammalian cells. Baculoviruses do not affect or infect fish, wildlife, humans or beneficial organisms.

**DIRECTIONS FOR USE**

**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** apply in greenhouses.

**DO NOT** apply this product by any type of irrigation system.

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

**DO NOT** apply by air.

**Use directions for Crop Group 5-13 and Canola**

CROP	PEST Controlled	APPLICATION RATE	COMMENTS
Brassica Head and Stem Vegetables (Crop Group 5-13)* and Canola	Diamondback Moth	50-200 mL/hectare	Apply as a full coverage spray using enough water to sufficiently cover the crop without excess run-off, minimum 200 L/ha. Re-apply every 4-8 days. Within the stated range, use the shorter re-application interval and higher application rate under high pest pressures.

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

**DIRECTIONS FOR USE:** Spray on plants infested with eggs or 1<sup>st</sup> instar larvae. To be effective, larvae must ingest foliage or fruits with deposits of **Plutex**. Uniform coverage of the foliage is essential for optimal control.

Dissolve product in the required amount in water. The pH of the solution should range between 5 and 8.5. Depending upon weather conditions and the persistence of the pest infestation, the

applications may be repeated every 6-8 days. **Between 2 to 5 applications may be required per generation.**

The use of pheromone traps is recommended to optimize application timing.

**SHAKE BEFORE USE!**

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.

Preharvest Interval (PHI): Plutex can be used up to and including the day of harvest. PHI=0 days.

This product may be tank mixed with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Andermatt Canada Inc. at 1-888-870-6444 for information before applying any tank mix that is not specifically recommended on this label. The tank mix pH must be between 5 and 8.5. It is recommended that Plutex be added last to the tankmix.

**STORAGE:**

**Plutex®** can be stored in the refrigerator (<5°C) for two years from the date of manufacture. Store container upright and keep tightly closed when not in use. Shake vigorously to re-suspend contents immediately prior to addition in water.

**DISPOSAL:**

**DO NOT REUSE THIS CONTAINER FOR ANY PURPOSE.** This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

These containers are recyclable and Andermatt Canada pays for this service.

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.