

2024-1705
2024-05-03

B402[®] BIOLOGICAL LARVICIDE CERTAN

BIOLOGICAL INSECTICIDE

SOLUTION

COMMERCIAL

FOR EMERGENCY USE ONLY

FOR SALE AND USE IN MANITOBA, NOVA SCOTIA, NEW BRUNSWICK AND PRINCE EDWARD ISLAND FOR THE PREVENTION AND CONTROL OF GREATER WAX MOTH (*GALLERIA MELLONELLA* L.) INFESTATION ON BEE HIVE FRAMES DURING STORAGE FROM MAY 3, 2024 UNTIL MAY 3, 2025.

Active Ingredient:

Bacillus thuringiensis subsp. *aizawai* strain ABTS-1857 fermentation solids, spores, and insecticidal toxins* 10.8%

*Potency: 2,500 Cabbage Looper Units per mg of product (1.13 billion Cabbage Looper Units per pound of product).

The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN
WARNING – EYE AND SKIN IRRITANT, POTENTIAL
SENSITIZER
WARNING, CONTAINS THE ALLERGEN SULPHITES**

**REGISTRATION NO. 34849
PEST CONTROL PRODUCTS ACT**

Lot No:

Man. date:

Net Contents: 118 ml, 148 ml, 237ml, 946 ml

Manufactured For
Vita Bee Health Limited
1 Castlewood Avenue
Rathmines, Dublin 6

D06 H685 Ireland

Canadian Agent: Vita Bee Health Canada Ltd.
1187 Fischer-Hallam Road Suite 627 Kitchener, Ontario, Canada, N2E 4H9

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.

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

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Causes eye irritation. DO NOT get in eyes. May cause sensitization. May irritate the skin. Avoid contact with skin or clothing. Avoid inhaling/breathing dusts or spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, socks and shoes and a NIOSH-approved particulate filtering facepiece respirator with any N, R or P 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.

DIRECTIONS FOR USE

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

DO NOT apply by air.

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.

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.

PRODUCT INFORMATION

Read all directions before using this product.

B402 Biological Larvicide (hereafter B402) is for prevention and control of greater wax moth (*Galleria mellonella L.*) infestation on beehive frames during storage. B402 is a biological product that contains *Bacillus thuringiensis* subsp. *aizawai* strain ABTS-1857, It eliminates larvae of the greater wax moth *Galleria mellonella L.*

B402 contains living bacterial spores. Store in a cool, dry place inaccessible to children and out of sunlight.

MIXING INSTRUCTIONS

- Measure out and mix B402 with water only
- Use 1 part of B402 to 19 parts water (5% spray solution)
- Add water to the mix tank and provide moderate agitation. While agitating, add the required amount of B402. Maintain the suspension with moderate agitation while spraying.
- Use diluted solutions within 3 days.
- One (1) 148 ml (5-fluid ounce) bottle of B402 can treat 98 Deep Frames, 148 Medium Frames, or 197 Shallow Frames)[One (1) 237 ml (8-fluid ounce) bottle of B402 can treat 158 Deep Frames, 237 Medium Frames, or 316 Shallow Frames]

Hive Frame Types and Sizes:

Frame Type	Frame Size	Foundation Size
Deep	0.23 x 0.45 m (9 1/8 x 17 5/8 inches)	0.22 x 0.43 m (8½ x 16¾ inches)
Medium	0.16 x 0.45 m (6¼ x 17 5/8 inches)	0.14 x 0.43 m (5½ x 16¾ inches)
Shallow	0.14 x 0.45 m (5 3/8 x 17 5/8 inches)	0.12 x 0.43 m (4¾ x 16¾ inches)

APPLICATION INSTRUCTIONS

- Apply B402 to beehive frames prior to placing them in storage for prevention and control of greater wax moth infestation. Do not apply to active beehives.
- Spray one 30 ml (1 fluid ounce) of the 5% spray solution on each Deep Frame; 20 ml (2/3 ounce) 5% spray solution on each Medium Frame, 15 ml (½-ounce) 5% sprays solution on each Shallow Frame.
- Apply spray solution uniformly to both sides of the frame, the foundation and wax combs.

	# Frames	Water	B402	Total 5% Spray Solution
Deep Frames	10	285 ml	15 ml	300 ml
	100	2.85 L	150 ml	3.0 L
	1000	28.5 L	1.5L	30L
Medium Frames	10	190 ml	10 ml	200 ml
	100	1.9 L	100 ml	2.0 L
	1000	19 L	1 L	20 L
Shallow Frames	10	142.5 ml	7.5ml	150 ml
	100	1.425 L	75 ml	1.5L
	1000	14.25 L	750 ml	15L

STORAGE:

Store this product away from food or feed. Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use.

DISPOSAL:

1. Triple- or pressure rinse the empty container. Add the rinsings to the 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 offense under the Pest Control Products Act to use a control product in a way that is inconsistent with the directions on the label.