

2023-6155
2024-06-04

This label has been updated according to the re-evaluation decision of *Bacillus sphaericus* Strain 2362 RVD2023-16. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 26/10/2025 in accordance with the phase out period set out in the re-evaluation of *Bacillus sphaericus* Strain 2362 RVD2023-16. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

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Group 11A2 Insecticide

VECTOLEX WSP
BIOLOGICAL LARVICIDE
LIVE ORGANISM
RESTRICTED
Granular

READ THE LABEL BEFORE USING
POTENTIAL SENSITIZER
CAUTION EYE IRRITANT

REGISTRATION NO. 28009 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT:

Lysinibacillus sphaericus 2362, serotype H5a5b, strain ABTS 1743 (Formerly known as *Bacillus sphaericus* strain 2362) 50 *Bacillus sphaericus* toxic units (BsTUs)/mg

DO NOT SELL THE WATER SOLUBLE POUCHES SEPARATELY
PREVENT ACCESS BY UNAUTHORIZED PERSONEL

Registrant:
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, Illinois, USA
60048
1-800-323-9597

Canadian Agent:
Valent Canada, Inc.
201-230 Hanlon Creek Blvd
Guelph, Ontario
N1C 0A1
519-767-9262

Net Contents: 400g (40 pouches per foil bag, each pouch contains 10g)

Date of Manufacture:

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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.

NATURE OF RESTRICTION:

This product is to be used only in the manner authorized; consult provincial pesticide regulatory authorities regarding appropriate use permits that may be required.

LIMITATIONS:

DO NOT apply directly to treated, finished drinking water reservoirs or drinking water receptacles.

RESTRICTED USES: DIRECTIONS FOR USE:

Apply to catch basins when sampling indicates that mosquito larvae are present. For best results, apply when young larval stages are present. Reapply at a minimum interval of two weeks as needed, if monitoring indicates that further applications are required. Do not reapply within two weeks of application. Do not apply more than six times per treatment site per season

Using Water-Soluble Packages Dissolved Directly in Catch Basins:

Water-Soluble Packages (WSPs) are designed to dissolve in water. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs.

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Apply directly to catch basins.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on protective eyewear (goggles), waterproof gloves, and a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter and then continue with application or clean-up.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to application.
5. Handle with dry hands and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.

Product Specific Precautions:

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-323-9597 or obtain technical advice from the distributor. Application of this specific product must meet and/or conform to the RESTRICTED USES and DOSE RATES sections of this label.

Once the foil bag containing Water Soluble Pouches is opened, use pouches within one day.

MOSQUITO LARVAL CONTROL

VectoLex WSP is a mosquito larvicide. It is not effective against mosquito adults and pupae. Apply to catch basins when sampling indicates that mosquito larvae are present. For best results, apply when young larval stages are present.

For use in:	Mosquito species controlled	Application rate and interval	Application methods
Catch basins	<i>Culex</i> spp. <i>Culiseta</i> spp.	10 g product/catch basin. Reapply at a minimum interval of two weeks as needed, if monitoring indicates that further applications are required. Do not reapply within two weeks of application. Do not apply more than six times per treatment site per season.	Apply by hand and place the pouch in the centre of the basin.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

Mosquito populations may contain individuals naturally resistant to VectoLex WSP. The resistant individuals may dominate the mosquito population if VectoLex WSP is used repeatedly as the sole means of control in the same geographic location/use area.

To delay/avoid the resistance of mosquito populations to VectoLex WSP it is recommended that users:

- Rotate the use of VectoLex WSP with other mosquito larvicides currently registered in Canada, which do not contain *Bacillus sphaericus* as the active ingredient, providing they are registered for use in control of the same pests in the same sites.
- Treat a portion of the target area with a *Bti* formulation or an alternative insecticide ensuring the continual existence of populations of mosquitoes not exposed to VectoLex WSP within a given geographic location.
- Insecticide use in mosquito control should be based on an IPM program that includes scouting, record keeping, and considers cultural/habitat, biological and chemical control practices suitable for the area to be treated.
- Monitor treated pest populations for resistance development.
- For further information or to report suspected resistance contact Valent BioSciences LLC at 1-800-323-9597 or at www.valentbiosciences.com.

PRECAUTIONS

May irritate eyes. May cause sensitization. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants and shoes plus socks when handling and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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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.

GENERAL: IMMEDIATELY seek medical attention if irritation or signs of toxicity occur and persist or are severe.

TOXICOLOGICAL INFORMATION: Treat symptomatically

STORAGE: Store at temperatures between 0°C and 25°C. Store container upright and keep tightly closed when not in use. Material must be used within 12 months of the Date of Manufacture. Water-soluble Packaging: Packets may become brittle when stored below 0°C. Handle packets carefully when frozen to avoid breakage or allow package to warm above 0°C before handling.

Keep WSP dry prior to use.

DISPOSAL:

Water Soluble Packets

1. When all the water-soluble pouches are used, make the empty outer package unsuitable for further use.
2. Dispose of the outer package in accordance with provincial requirements.

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.

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

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