

3-MAY-2005

Vectolex CG Canada 03/30/05

Group 11A2 Insecticide

VECTOLEX® CG
BIOLOGICAL LARVICIDE

RESTRICTED

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL
POTENTIAL SENSITIZER
CAUTION EYE IRRITANT

REGISTRATION NO. 28008 PEST CONTROL PRODUCTS ACT

GUARANTEE:

Bacillus sphaericus Strain 2362, 50 BsITU/mg

Registrant:
Valent BioSciences Corporation
870 Technology Way
Libertyville, Illinois, USA
60048

Canadian Agent:
Valent BioSciences Canada, Ltd.
40 King Street West, Suite 2100
Toronto, Ontario
M5H 3CH

Net Contents:

Date of Manufacture:

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

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:

VectoLex CG is a mosquito larvicide to be applied, without mixing or dilution, by conventional ground or aerial application equipment. Apply to mosquito breeding sites when sampling indicates that mosquito larvae are present. For best results, apply when young larval stages are present. Reapply at a minimum interval of one week as needed, if monitoring indicates that further applications are required. Do not reapply within one week of application.

Aerial Application Instructions:

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application by employing appropriate marking devices and/or electronic tracking equipment.

Use Precautions:

Apply only when meteorological conditions at the treatment site allow for complete and even coverage. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core* and *Aerial Module*, available from the Federal/Provincial/Territorial Committee on Pest Management.

Operator Precautions:

Do not allow the pilot to mix product to be loaded onto the aircraft. Loading of premixed product with a closed system is permitted. It is desirable that the pilot has communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear the personal protective equipment described in the PRECAUTIONS section of this label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

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 or from your provincial agricultural or forestry representative. Application of this specific product must meet and/or conform to the aerial uses and rates on this label.

Rinse and flush spray equipment thoroughly following each use.

MOSQUITO LARVAL CONTROL

VectoLex CG is a mosquito larvicide. It is not effective against mosquito adults and pupae. Apply to mosquito larval breeding sites 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
<p>Water bodies: freshwater marshes, salt marshes, flood plains, flooded fields and pastures, wetlands, ponds, storm water detention/retention and seepage ponds, wastewater sewage effluent, sewage lagoons, oxidation ponds, log ponds, impounded waste water, septic ditches, drainage ditches including open storm sewers and irrigation ditches</p>	<p><i>Culex</i> spp. <i>Culiseta</i> spp. <i>Aedes vexans</i> (<i>Other Aedes</i> spp. and <i>Ochlerotatus</i> spp. have variable degrees of susceptibility to VectoLex CG)</p>	<p>5.6 -16.8 kg product /ha (0.56-1.68 g product /m²) of water surface area.</p> <p>Use the higher rate in water polluted with sewage, water with high organic content and water with a high level of suspended solids.</p> <p>Do not reapply within one week of application. Reapply at a minimum interval of one week as needed, if monitoring indicates that further applications are required.</p>	<p>Apply by ground or aerial application equipment capable of uniform delivery of VectoLex CG over the water surface.</p>
<p>Waste tires</p>	<p><i>Culex</i> spp. <i>Culiseta</i> spp. <i>Aedes triseriatus</i></p>	<p>0.56-1.68 g product / m² of water surface area.</p> <p>Use the higher rate in water with high organic content and water with a high level of suspended solids.</p> <p>Do not reapply within one week of application. Reapply at a minimum interval of one week as needed, if monitoring indicates that further applications are required.</p>	<p>Apply by hand or ground application equipment to individual tires which contain standing water.</p> <p>Use with other mosquito management techniques such as shredding waste tires, removing standing water and covering the stacked tires.</p>

RESISTANCE MANAGEMENT RECOMMENDATIONS:

Mosquito populations may contain individuals naturally resistant to VectoLex CG. The resistant individuals may dominate the mosquito population if VectoLex CG 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 CG it is recommended that users:

- Rotate the use of VectoLex CG 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 CG 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 Corporation at 1-800-323-9597 or at www.valentbiosciences.com.

PRECAUTIONS

KEEP OUT OF REACH OF UNAUTHORIZED PERSONNEL. May cause sensitization. May irritate eyes. Avoid contact with skin, eyes or clothing. Mixer/loaders and applicators not in enclosed cabs or aircraft must wear a long-sleeved shirt, long pants, shoes plus socks, eye goggles, waterproof gloves and a dust/mist filtering respirator (MSH/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N-95, R-95, P-95 or HE filter for biological products 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: Rinse mouth and throat with plenty of water.

IF ON SKIN/CLOTHING: Take off contaminated clothing. Wash exposed skin with plenty of soap and water.

IF INHALED: Move to fresh air.

IF IN EYES: Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing eye.

GENERAL: IMMEDIATELY seek medical attention 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.

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.

DISPOSAL:

1. Completely empty the bag into the application equipment.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty bag unsuitable for further use.
4. Dispose of the bag 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.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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