

PM 91

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SEP 1 1999

Marvin H. Alphin
Program Manager
Abbott Laboratories
Chemical & Agricultural Products Division
Dept. 28R, Bldg. A1
1401 Sheridan Road
North Chicago, IL 60064-6316

Dear Mr. Alphin:

Subject: Vectolex WDG Biological Larvicide
EPA Reg. No. 275-135
Application for a label amendment dated August 2, 1999

On August 2, 1999, you submitted an application to amend the subject label. Revisions are made to:

Clarify and expand the "Ground and Aerial Application" section under the "Directions for Use" heading.

The labeling amendment referred to above under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, subject to the following comments:

- 1) Add the following statements to the "Precautionary Statements" section: "As a general precaution when exposed to potentially high concentrations of living microbial products such as this, all mixer/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95."

CONCURRENCES							
SYMBOL	7511C	7511C					
SURNAME	Reynolds	HUTCHINSON					
DATE	8/24/99	8/27/99					

A stamped copy of the label for the subject product is enclosed for your records. Please submit five (5) copies of the final printed label for Vectolex WDG prior to release of the product for shipment.

Sincerely,



Janet L. Andersen, Director
Biopesticides and Pollution
Prevention Division (7511C)

Enclosures

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VECTOLEX® WDG
BIOLOGICAL LARVICIDE

Active Ingredient:

<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 dried concentrate	51.2% w/w
Inert Ingredients.....	48.8% w/w
Total.....	100.0% w/w

Potency: This product contains 650 BsITU/mg or 0.299 Billion BsITU/lb.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Chemical and Agricultural Products Division
Abbott Laboratories
North Chicago, IL 60064

EPA Reg. No. 275-135
EPA Est. No. 33762-IA-1

Net Contents:

ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 1 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

275-135

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply directly to treated finished drinking water reservoirs or drinking water receptacles.

Chemigation

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in cool [59-86° F (15-30° C)], dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

APPLICATION DIRECTIONS

Do not apply when wind speed favors drift beyond the area of treatment.

I. For control of mosquito larvae species* in the following non-crop sites.—

<u>Habitats</u>	<u>Rate Range</u>
Wastewater: Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing	.5-1.5 lbs/acre (8oz-24oz/acre)
Stormwater/Drainage Systems: Storm sewers, catch basins, drainage ditches, retention, detention and seepage ponds	.5-1.5 lbs/acre (8oz-24oz/acre)
Marine/Coastal Areas: Salt marshes, mangroves, estuaries	.5-1.5 lbs/acre (8oz-24oz/acre)
Water Bodies: Natural and manmade aquatic sites such as lakes, ponds, rivers, canals and streams	.5-1.5 lbs/acre (8oz-24oz/acre)
Dormant Rice Fields: Impounded water in dormant rice fields (For application only during the interval between harvest and preparation of the field for the next cropping cycle)	.5-1.5 lbs/acre (8oz-24oz/acre)

II. For control of mosquito larvae species* in agricultural/crop sites where mosquito breeding occurs.

<u>Habitats</u>	<u>Rate Range</u>
Rice, pastures/hay fields, orchards, citrus groves, irrigated crops.	.5-1.5 lbs/acre (8oz-24oz/acre)

Use higher rates (1 to 1.5 lbs/acre) in areas where extended residual control is necessary, or in habitats having deep water or dense surface cover.

Apply uniformly by aerial or conventional ground equipment. Reapply as needed after 1-4 weeks.

*Mosquito species effectively controlled by VectoLex WDG.

<i>Culex</i> spp.	<i>Psorophora columbiae</i>
<i>Aedes vexans</i>	<i>Psorophora ferox</i>
<i>Aedes melanimon</i>	<i>Aedes triseriatus</i>
<i>Aedes stimulans</i>	<i>Aedes sollicitans</i>
<i>Aedes nigromaculis</i>	<i>Anopheles quadrimaculatus</i>
	<i>Coquillettidia perturbans</i>

GROUND AND AERIAL APPLICATION

VectoLex WDG may be applied using conventional ground or aerial application equipment with quantities of water sufficient to provide uniform coverage of the target area. For application, first add the VectoLex WDG to water to produce a final spray mixture.

The amount of water will depend on weather, spray equipment, and mosquito habitat characteristics. For application, fill the mix tank or plane hopper with the desired quantity of water. **Start the mechanical or manual agitation to provide moderate circulation of water before adding the VectoLex WDG.** Backpack and compressed air sprayers may be agitated by shaking after adding VectoLex WDG to the water in the sprayer. VectoLex WDG suspends readily in water and will stay suspended over normal application periods. Brief recirculation may be necessary if the spray mixture has sat for several hours or longer. Do not mix more VectoLex WDG than can be used in a 48 hour period. **AVOID CONTINUOUS AGITATION OF THE SPRAY MIXTURE DURING SPRAYING.**

For ground spraying, apply 8-24 oz./acre (227-680 g/acre) of VectoLex WDG in 5-100 gallons of water per acre using hand-pump, airblast, mist blower, or other spray equipment. For aerial application, apply 8-24 oz./acre (227-680 g/acre) of VectoLex WDG through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers at a convenient dilution rate. For aerial application, apply 0.5-10 gallons/acre of the final spray mixture to provide uniform coverage of the target area.

Rinse and flush spray equipment thoroughly following each use.

Amount of VectoLex WDG needed to treat small areas:

Area to Treat	Rate of VectoLex WDG/Acre		
	8 oz	16 oz	24 oz
¼ Acre	2 oz	4 oz	6 oz
½ Acre	4 oz	8 oz	12 oz
10 Acres	5 lb	10 lb	15 lb
20 Acres	10 lb	20 lb	30 lb

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NOTICE TO USER

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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