

SEP 3 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: Vectobac WDG Biological Larvicide
 EPA Reg. No. 275-134
 Application for an amendment dated February 2, 1999

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

- 1) Update the Confidential Statement of Formula (CSF) to reflect the requirements of the Bt Reregistration Eligibility Document (RED) in terms of the percentage of fermentations solids and solubles.
- 2) Revise the Ingredient Statement on the product label to reflect the updated CSF.
- 3) Amend the manufacturing process to reflect a change in the formulation procedure.
- 4) Replace the label statement "Do not apply directly to finished drinking water reservoirs or drinking water receptacles" with "Do not apply directly to finished drinking water reservoirs or drinking water receptacles **intended for human consumption.**"

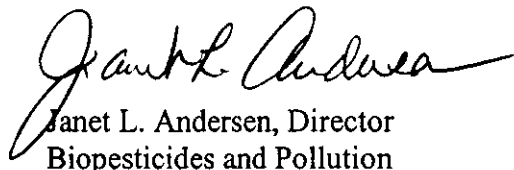
The revised CSF, manufacturing process, and label amendments referred to above are acceptable under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, subject to the following comment:

CONCURRENCES							
SYMBOL	7511C	7511C					
SURNAME	Reynolds	HURSTON					
DATE	9/2/99	9/3/99					

1) The label statement referenced in item #4 above should be reworded to read as follows: "Do not apply directly to finished drinking water reservoirs or drinking water receptacles **when the water is intended for human consumption.**"

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 Vectobac WDG prior to release of the product for shipment.

Sincerely,



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

Enclosure

VectoBac® WDG

Biological Larvicide

Active Ingredient:

Bacillus thuringiensis, subsp. *israelensis*

fermentation solids and solubles.....	37.4%
Inert Ingredients.....	62.6%
Total.....	100.0%

[potency: 3000 International toxic units (ITU) per mg]

Equivalent to 1.36 billion ITU/lb.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

EPA Reg. No. 275-134
EPA Est. No.

Net Contents:

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 3 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
275-134

STATEMENT OF PRACTICAL TREATMENT

Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash before reuse. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to treated finished drinking water reservoirs or drinking water receptacles intended for human consumption.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

Mosquito Habitat

(Such as the following examples):

Irrigation ditches, roadside ditches, flood water, standing pools, woodland pools, snow melt pools, pastures, catch basins, storm water retention areas, tidal water, salt marshes and rice fields.

Suggested Rate Range*

1.75 - 7.0 oz/acre
(50 - 200g/acre)
(125 - 500 g/ha)

In addition, standing water containing mosquito larvae, in fields growing crops such as: Alfalfa, almonds, asparagus, corn, cotton, dates, grapes, peaches and walnuts, may be treated at the recommended rates.

When applying this product to standing water containing mosquito larvae in fields growing crops, 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.

Polluted water
(such as sewage lagoons, animal waste lagoons)

7.0 - 14.0 oz/acre
(200 - 400 g/acre)
(0.5 - 1.0 kg/ha)

*Use higher rate range in polluted water and when late 3rd and early 4th instar larvae predominate, mosquito populations are high, water is heavily polluted, and/or algae are abundant.

SMALL QUANTITY DILUTION RATES

**Gallons Spray Mixture/Acre
(Ounces Needed per Gallon of Spray)**

VectoBac WDG

Rates in		Final concentration, ounces/gallon spray		
Ounces/Acre	Grams/A	10 Gal/A	25 Gal/A	50 Gal/A
1.75	50	0.175	0.07	0.04
3.5	100	0.35	0.14	0.07
7	200	0.7	0.28	0.14
14	400	1.4	0.565	0.28

GROUND AND AERIAL APPLICATION

VectoBac WDG may be applied in conventional ground or aerial application equipment with quantities of water sufficient to provide uniform coverage of the target area. The amount of water will depend on weather, spray equipment, and mosquito habitat characteristics. Do not mix more VectoBac WDG than can be used in a 72 hour period.

For most ground spraying, apply in 5-100 gallons of water per acre using hand-pump, airblast, mist blower, etc., spray equipment.

For aerial application, VectoBac WDG may be applied or diluted with water. Apply 1.75-14.0 oz/acre (50-200 g/acre) of VectoBac WDG through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers at a convenient dilution.

For diluted application, fill the mix tank or plane hopper with the desired quantity of water. Start the mechanical or hydraulic agitation to provide moderate circulation before adding the VectoBac WDG. VectoBac 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. **AVOID CONTINUOUS AGITATION OF THE SPRAY MIXTURE DURING SPRAYING.**

AERIAL APPLICATION

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

Rinse and flush spray equipment thoroughly following each use.

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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