

Reg no: 275-54

PM-17

184

APR 25 1990

315 / 263,163  
18

Dr. Ralph J. Hodosh  
Manager, Labeling and Product Safety  
CAPD Regulatory Affairs  
Abbott Laboratories  
North Chicago, IL 60064-4000

Dear Dr. Hodosh

Subject: Vectobac Technical Powder Application for Labeling Amendment  
Dated 10/10/89  
EPA File Symbol/Reg. No. 275-54

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the following comments.

1. Delete the term "Supplemental Label."

2. Delete the statement "Where non-target aquatic invertebrate parasites and predators are present longer periods of suppression may result since these beneficials would be conserved to aid in mosquito population management."

You may list specific nontarget insects not adversely affected by your product if you have submitted supporting acceptable studies. However, such beneficial insect claims would have to be submitted for Agency approval.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3. Change the heading "Application Directions" to "End-Use Product Application Directions."

4. Add the statement "Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles" to the for end-use application directions products.

5. Add the following block to the front panel.

"Statement of Practical Treatment

If in eyes, flush eyes with plenty of water. Get medical attention if irritation persists."

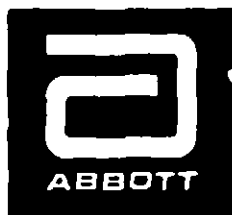
6. Please note that you are subject to the requirements of 40 CFR Part 180.1011 including batch to batch testing.

A stamped copy of the label is enclosed for your records. Submit five (5) final printed labels.

Sincerely yours,



Phil Hutton  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)



**BIOLOGICAL LARVICIDE**

LIST NO. 5620 01

**VECTOBAC® TECHNICAL POWDER**

**Active Ingredient:**

*Bacillus thuringiensis*, Serotype H-14, fermentation solids and solubles,  
5000 International Toxic Units of Potency per mg. (Equivalent to 2.275 Billion International Toxic  
Units per pound of undiluted powder) ..... 100%

**FOR MANUFACTURING USE ONLY**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal.  
**STORAGE:** Store tightly closed containers in a cool, 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:** Do not reuse liner or drum. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of liner in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Perforate or crush drum and dispose of in the same manner.

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**NOTICE TO USER**

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the 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.

EPA Registration No. 275-54    EPA Est. No. 33762-1A-1

Net Contents: 25 lbs.    Lot No.



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

01-3367-2/R3

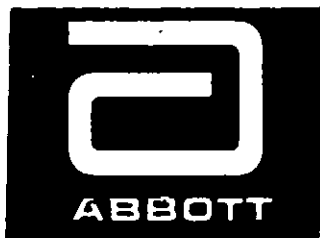
ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 25 1990

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
provided for this product  
under EPA Reg.

275-54

494



(Supplemental Label)  
List 5620

**VECTOBAC<sup>®</sup> Technical Powder**  
EPA Reg. No. 275-54

VECTOBAC TECHNICAL POWDER must be diluted before application by suitable aerial or ground equipment at a suggested rate range\* of 0.455 to 0.91 billion ITU's per acre for usual mosquito habitats and 0.91 to 1.82 billion ITU's per acre in polluted water, sewage lagoons, etc.

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

A 7 to 14 day interval between applications should be employed. Where non-target aquatic invertebrate parasites and predators are present, longer periods of suppression may result since these beneficials would be conserved to aid in mosquito population management.

**GENERAL GRANULATION DIRECTIONS:**

**Rotating Type Mixer:**

1. Place suitable diluent, such as sand, in rotating type mixer (cement mixer, ribbon blender, or equivalent).
2. Add Golden Bear 1356<sup>1</sup> while mixer is running (GB 1356 may be sprayed on or gradually poured over sand, spraying is the preferred method instead of pouring).
3. Mix 5-10 minutes to ensure that sand granules are covered with GB 1356.
4. While mixer continues to run, add the calculated amount of VECTOBAC-TP (as shown in the table below). Continue mixing 15-30 minutes or until sand granules are uniformly coated with VECTOBAC-TP.

A typical blend would consist of:

Materials	% W/W	Based on 100 lbs. sand	Based on 100 lb. final product
VECTOBAC Technical Powder	4.0	4.3 lbs.	4.0
GB 1356 <sup>1</sup>	1.3—1.5	1 pt. 8 oz.—1 pt. 12 oz.	1 pt. 7 oz.—1 pt. 10 oz.
Sand (washed/dry)	94.7—94.5	100 lbs.	94.7—94.5 lbs.
	100%	105.68—105.9 lbs.	100 lbs.

<sup>1</sup>GB 1356 is available from Golden Bear Division, Witco Chemical Corporation.

- \* Use 1.3% of GB 1356 for fine sand granules 16/30 mesh size and 20/30 mesh size. For coarse sand grades, 10/20 mesh size, use 1.5% of GB 1356.

NOTE: It is recommended that a small batch formulation is produced to determine percent GB 1356 required to give a free-flowing and dust free granular formulation.

**APPLICATION DIRECTIONS**

**Mosquitoes Habitat**

(Such as the following examples):

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

**Suggested Rate Range<sup>1</sup>**  
**5-10 lbs./acre**

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

- \* Use 10-20 lbs./acre when late 3rd and early 4th instar larvae predominate, mosquito populations are high, water is heavily polluted (sewage lagoons, animal waste lagoons) and/or algae are abundant.

