JUN 31985
300/151,720

Mr. Walter Malesh
Abbott Laboratories
Chemical and Agricultural
Product Division
14th Street and Sheridan Road
North Chicago, IL 60064

Dear Mr. Malesh:

Subject: Vectobac AS (B.t. H-14, 600 ITO/mg) EPA Registration No. 275-52 Your Submission of March 19, 985

Your application of the above date for amending your product's labeling to include the following is acceptable for these proposed amendments:

- a) An increased rate for blackflies from 1-10 to 1-50 mg/liter stream water;
- b) Expanded and clarified application directions; and
- c) A change in the "Do not mix more than..." statement "than can be used in a 2 week period" instead of a 24 hour-period.

Note: Even though we have approved this labeling text, we question the efficacionsness of this product after such a long time. Do you have data to vorify this claim? If so, please submit three (3) copies yor our files.

In the future, please highlight on at least one of your submitted labelings the exact changes that you propose to make, as this insures a more speedy and efficient review of your submission.

Sincerely yours,

				Timot	thy A. Gur	iner			
				CONCURRENCES	sat Manage	s (17) Iontinido b			
BYMBOL >				Regi		ivision (TS	1		
SURMAME							f	· -	
OATE >		2 102412		405 - 35 40			İ		
EPA Form 1	320-1 (4-81)	MINS/ATTIC	L-DEK-15/22	(H2:1815/2)	\R21KeUdI	lek: 898-127		OFFICIAL	FILE COPY

•

APPLICATION DIRECTIONS

TECTOBAC -AS

Mosquito Habitat
(Such as the following examples):

Suggested Rate Range*

Irrigation ditches, roadside ditches, 0.5 pt-2 pts/acre flood water, standing ponds, wood-land pools, snow melt pools, pastures, catch basin, storm water retention areas, tidal water, salt marshes and rice fields.

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

2 pts/acre

*Use higher rate 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.

Blackflies Habitat	Suggested Rate Range
Streams	1-50 mg/liter stream water** (=ppm)

^{**}Use higher rate when stream contains high concentration of organic material, or dense aquatic vegtation.

Ground & Aerial Application
VECTOBAC-AS 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 needed per acre will depend on weather, spray equipment, and mosquito habitat characteristics. Do not mix more Vectobac-AS than can be used in a 2-week period.

For most ground spraying, apply in 5-100 using hand-pump, airblast, mist blower, equipment.

For aerial application, VECTOBAC-AS may be undiluted or diluted with water. For unditions, apply 0.5 to 2.0 pt/acre of VECTOB fixed wing or helicopter aircraft equipped conventional boom and nozzle systems or respectively.

For diluted application, fill the mix tar with the desired quantity of water. Star or hydraulic agitation to provide moderat before adding the VECTOBAC-AS. Maintain while loading or spraying. For all aeris droplet spectrum in the range of 50-100 m produce best results.

Rinse and flush spray equipment thoroughluse.

applied undiluted via fixed wing or helicequipped with either conventional boom are or open pipes. Rate of application will the stream discharge and the require amonecessary to maintain a 1-50 ppm concentratives tream water. VECTOBAC-AS can also be assimilar spray equipment. Do not mix more can be used in a 2-week period.

SMALL QUANTITY DILUTION RATES FOR

	Garrons Spray				
	TO Gal/A	25 (
Rates in Pints Per Acre	(Ounces Nee	ded Per			
0.5	.8 oz.	. 33			
1.0	1.6 oz.	.66			
2.0	3,2 oz,	1.30			

Yectobac-AS is a highly selective insecticide for use against mosquito and black fly larvae.

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS

As a precautionary measure in case of contact, flush eyes with plenty of water. In case of irritation, contact a physician.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool place.

PESTICIDE DISPOSAL: Wastes resulting from 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse container.

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 risk of use, storage or handling not in strict accordance with accompanying directions.

WAS COMMENSE IN EPA Letter Debut

JUN3 1985

Under the Constitute Act Programme Act as amended, for the posteriol registered under EPA Roy, Na.

VECTOBAC® -AS

Biological Mosquito and Black Fly Larvicide

AQUEOUS SUSPENSION

Active ingredient: <u>Bacillus thuringiensis</u>, Sero-type H-14, 600 <u>International Toxic Units (ITU)</u> per milligram (<u>Equivalent to 2.19 billion ITU per</u> gallon; 0.576 billion ITU per liter) 0.6%

Inert ingredients 99.4%

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 275-52 EPA Establishment No. 33762-1A-1 List No. 5059

Lot No.

Net Volume:

Gallons

(Abbott Chemical & Agricultural Products Division Abbott Laboratories North Chicago, IL 60064

BEST AVAILABLE COPY