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| US ENVIRONMENTAL PROTECTION AGENCY<br>OFFICE OF PESTICIDES PROGRAMS<br>REGISTRATION DIVISION (75-767)<br>WASHINGTON, DC 20460 | EPA REGISTRATION NO.<br>275-76  | DATE OF ISSUANCE<br>DEC 17 1987 |
|   | TERM OF ISSUANCE  |                                 |
|   | NAME OF PESTICIDE PRODUCT<br>Vectobac 24 w (biological mosquito & flylarva larvicide) |                                 |

NOTICE OF PESTICIDE:  REGISTRATION  REREGISTRATION  
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chemical & Agricultural Products Division  
 Abbott Laboratories  
 100 N. American Road  
 North Chicago, IL 60064

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

- This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:
1. Submit/ent. all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the agency requires all registrants of similar products to submit such data.
  2. Add the phrase "EPA Registration No. 275-76" to your label before you release the product for shipment.
  3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
- If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stay-in copy of the label is enclosed for your records.

Joseph P. Davans  
 Acting Product Manager (17)  
 Insecticide-Rodenticide Branch  
 Registration Division (75-767C)

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *[Signature]* DATE: 2/17/87

PM 17  
275-76

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January 21, 1987  
Main Panel  
EPA Reg. No. 275-76

VECTOBAC-24AS

Biological Mosquito  
and  
Blackfly Larvicide  
Aqueous Suspension

Active Ingredient: Bacillus thuringiensis, Serotype H-14, 2400  
International Toxic Units (ITU) per milligram or 4500 AA  
units/mg. (Equivalent to 9.68 billion ITU per gallon; 2.558  
billion ITU per liter) . . . . . 2.4%  
Inert Ingredients . . . . . 97.6%

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 275-  
EPA Establishment No. 33762-1A-1  
List No.  
Lot No.  
Net Volume:

ACCEPTED  
FOR COMMENTS  
in EPA 275-76-1A-1

DEC 17 1987

Brand  
Name  
EPA Reg. No.  
registered  
275-76

January 21, 1987  
Secondary Panel - 1  
EPA Reg. No. 275-76

APPLICATION DIRECTIONS

| <u>Mosquito Habitat</u>  | <u>Suggested Range Rate*</u> |
|--|------------------------------|
| (Such as the following examples):<br>Irrigation ditches, roadside ditches,<br>flood water, standing ponds, woodland<br>pools, snow melt pools, pastures, catch<br>basins, storm water retention areas, tidal<br>water, salt marshes and rice fields. | 0.125 pt-1.0 pt/acre         |
| Polluted water (such as sewage lagoons<br>where aquatic vegetation is dense or<br>abundant, animal waste lagoons)  | 0.5 pt-1.5 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.

| <u>Blackflies Habitat</u> | <u>Suggested Range Rate</u>                |
|---------------------------|--|
| Streams                   | 0.25-12.5 mg/liter<br>stream water**(-ppm) |

\*\*Use higher rate when stream contains high concentration of organic material, or dense aquatic vegetation.

Ground and Aerial Application  
Vectobac®-24AS 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-24AS than can be used in a 2-week period.

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

For aerial application, Vectobac-24AS may be applied either undiluted or diluted with water. For undiluted applications apply 0.125 to 1.0 pt/acre of Vectobac-24AS through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers.

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Panel One  
EPA Reg. No. 275-76

Vectobac -24AS is a highly selective insecticide for use against mosquito and blackfly 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

###### General Classification

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 by 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. Use assumes all risk of use, storage or handling not in strict accordance with accompanying directions.

For information call:  
1-800-323-9597  
1-800-642-1959 (in Illinois)

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

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Secondary Panel-2  
EPA Reg. No. 275-74

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-24AS. Maintain the agitation while loading or spraying. For all aerial applications, a droplet spectrum in the range of 50-100 microns (VMD) will produce best results.

Rinse and flush spray equipment thoroughly following each use.

For blackfly aerial applications, Vectobac-24AS can be applied undiluted via fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or open pipes. Rate of application will be determined by the stream discharge and the required amount of Vectobac-24AS necessary to maintain a 0.25-12.5 ppm concentration in the stream water. Vectobac-24AS can also be applied diluted with similar spray equipment. Do not mix more Vectobac-24AS than can be used in a 2-week period.

SMALL QUANTITY DILUTION RATES FOR VECTOBAC-24AS

GALLONS SPRAY SOLUTION/ACRE

| <u>Rates in Pints<br/>Per Acre</u> | <u>10 Gal/A</u>                            | <u>25 Gal/A</u> | <u>50 Gal/A</u> |
|------------------------------------|--|-----------------|-----------------|
|                                    | <u>(Ounces Needed Per Gallon of Spray)</u> |                 |                 |
| 0.125                              | 0.05                                       | 0.025           | 0.01            |
| 0.25                               | 0.1  | 0.05            | 0.02            |
| 0.5                                | 0.2  | 0.1             | 0.04            |
| 1.0                                | 0.4  | 0.16            | 0.08            |