

Reg # 275-102

PM-90

198

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
U.S. ENVIRONMENTAL PROTECTION AGENCY



Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number

Date of Issuance

275-102

JAN 10 1995

Term of Issuance

Conditional

NOTICE OF PESTICIDE:

- Registration
- Reregistration

Name of Pesticide Product

VECTOBAC®

12AS

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Abbott Laboratories  
Chemical and Agricultural Products Division  
1401 Sheridan Road  
North Chicago, IL 60064

161 / 5481873  
18

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you:

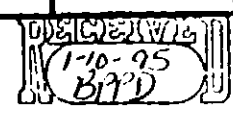
1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. 275-102".
  - b. Add a referral statement to the front panel under the signal word CAUTION such as "See side panel for additional precautionary statements and statement of practical treatment." which directs the reader to the precautionary statements and statement of practical treatment.
  - c. Modify the statement "When applying this product to standing water containing mosquito larvae in fields growing crops, do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons." to read "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."
  - d. Add the following chemigation statements and heading above your rice-flood (basin) chemigation section.

CHEMIGATION

Apply this product through flood (basin) irrigation systems. Do not apply this product through any other type of irrigation system.

CONCURRENCES

SYMBOL	Signature of Approving Official:					
SURNAME	TOMLS					
DATE	11/10/95					



71

2. d. Continued.

Crop injury, lack of effectiveness, or illegal pesticide residues in crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

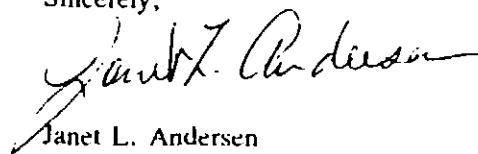
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Janet L. Andersen  
Acting Director  
Biopesticides and Pollution  
Prevention Division (7501W)

398

VECTOBAC<sup>®</sup> 12AS  
AQUEOUS SUSPENSION  
BIOLOGICAL LARVICIDE

**Active Ingredient:** *Bacillus thuringiensis*, subspecies *israelensis*,  
1200 International Toxic Units (ITU) per mg (Equivalent to 4.84 billion  
ITU per gallon, 1.279 billion ITU per liter).....1.2%

Inert Ingredients.....98.8%

---

Total.....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JAN 10 1986

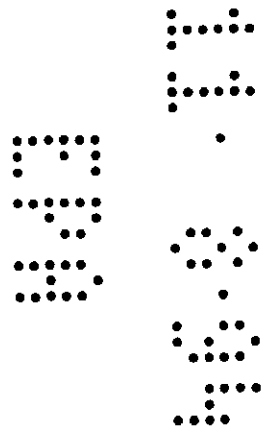
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
275-102

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

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

Net Contents:

VectoBac 12AS.vector  
Page 1 of 6  
09-27-94



**STATEMENT OF PRACTICAL TREATMENT**

If in Eyes: Flush with plenty of water. Get medical attention if signs of irritation persists.

If on Skin: Wash thoroughly with plenty of soap and water. Get medical attention if signs of irritation persists.

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS (& DOMESTIC ANIMALS)**

**CAUTION**

**Hazards to Humans**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse.

**PHYSICAL AND CHEMICAL HAZARDS**

Diluted or undiluted VectoBac 12AS can cause corrosion if left in prolonged contact with aluminum spray system components. Rinse spray system with plenty of clean water after use. Care should be taken to prevent contact with aluminum aircraft surfaces, structural components and control systems. In case of contact, rinse thoroughly with plenty of water. Inspect aluminum aircraft component regularly for signs of corrosion.

**DIRECTIONS FOR USE**

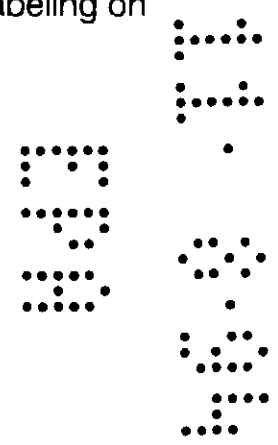
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply directly to treated finished drinking water reservoirs or drinking water receptacles.

**CHEMIGATION**

Do not apply this product through any irrigation system unless the labeling on chemigation is followed.

**STORAGE AND DISPOSAL**

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



**STORAGE**

Store in a 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. Do not reuse container.

**APPLICATION DIRECTIONS**

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

**Mosquito Habitat**

**Suggested Rate Range\***

(Such as the following examples):  
Irrigation ditches, roadside ditches, flood water, standing ponds, woodland pools, snow melt pools, pastures, catch basins, storm water retention areas, tidal water, salt marshes and rice fields.

0.25 - 1 pt/acre

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 such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons.

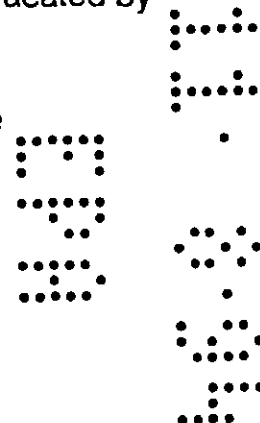
Polluted water

1 - 2 pts/acre

VectoBac 12AS.vector

Page 3 of 6

09-27-94



(such as sewage lagoons, animal waste lagoons).

\* 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.

**Blackflies Habitat**

**Suggested Rate Range**

**Streams**

Stream water\*\* (= ppm) for 1 minute exposure time.

0.5 - 25 mg/liter

Stream water\*\* (= ppm) for 10 minutes exposure time.

0.05 - 2.5 mg/liter

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

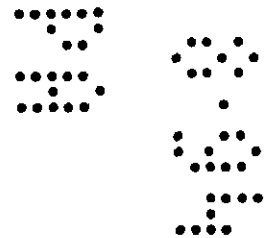
**Ground and Aerial Application**

VectoBac 12AS 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 12AS 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 12AS may be applied either undiluted or diluted with water. For undiluted applications, apply 0.25 to 2.0 pts./acre of VectoBac 12AS through fixed wing or helicopter aircraft equipped with either conventional boom and nozzle systems or rotary atomizers.

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 12AS. VectoBac 12AS 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.**



Rinse and flush spray equipment thoroughly following each use.

For blackfly aerial applications, VectoBac 12AS 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 12AS necessary to maintain a .5 - 25 ppm concentration in the stream water. VectoBac 12AS can also be applied diluted with similar spray equipment. Do not mix more VectoBac 12AS than can be used in a 72 hour period.

**SMALL QUANTITY DILUTION RATES**  
**Gallons Spray Solution/Acre**  
**(Ounces Needed per Gallon of Spray)**

**VectoBac 12AS**

**Rate in Pints**

**Per acre**

	<b>10 Gal/A</b>	<b>25 Gal/A</b>	<b>50 Gal/A</b>
0.25	0.2	0.1	0.04
0.5	0.4	0.2	0.08
1.0	0.8	0.33	0.16
2.0	1.6	0.65	0.32

Rice - Flood (Basin) Chemigation

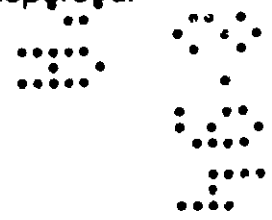
Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

VectoBac 12AS is metered or dripped into rice floodwater at application stations positioned at the point of introduction (levee cut) of water into each rice field or pan. Two to 3 pints of VectoBac 12AS are diluted in water to a final volume of 5 gallons. The diluted solution is contained in a 5 gallon container and metered or dispersed into the irrigation water using a constant flow devise at the rate of 80 ml per minute. Introduction of the solution should begin when 1/3 to 1/2 of the pan or field is covered with floodwater. Delivery of the solution should continue for a period of approximately 4 1/2 hours. Floodwater depth should not exceed 10-12 inches to prevent excessive dilution of VectoBac 12AS which could result in reduced larval kill. Agitation is not required during the period in which the VectoBac 12AS suspension is being dispersed.

VectoBac 12AS.vector

Page 5 of 6

09-27-94



8 9 8

Application of VectoBac 12AS into rice floodwater is not permitted using a pressurized water and pesticide injection system.

**NOTICE TO USER**

Seller makes no warranty, expressed 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

© 1993

