

Vectobac®-12 AS 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**

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.

**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.



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

01-0000-2/R1

ACCEPTED

FEB 25 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act or amended, for the pesticide registered under (EPA Reg. No. 275-66)

**Vectobac-12 AS**

Biological Mosquito  
and  
Blackfly Larvicide  
Aqueous Suspension

Active Ingredient: *Bacillus thuringiensis*, Serotype, H-14, 1200 International Toxic Units (ITU) per milligram (Equivalent to 4.84 billion ITU per gallon; 1.279 billion ITU per liter) ..... 1.2%  
Inert Ingredients ..... 98.8%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Reg. No. 275-66

EPA Establishment No. 33762-IA-1

List No. 5605 02

Lot No.

**Net Volume: 30 Gallons**

**APPLICATION DIRECTIONS**

**Mosquito Habitat** **Suggested Range Rate\***

(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 pt-1 pt/acre

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

1 pt-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 Range Rate**

Streams 0.5-25 mg/liter stream water\*\* (= ppm)

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

**Ground and Aerial Application**

Vectobac®-12 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-12 AS 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-12 AS may be applied either undiluted or diluted with water. For undiluted applications, apply 0.25 to 2.0 pt/acre of Vectobac-12 AS 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-12 AS. 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-12 AS 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-12 AS necessary to maintain a 0.5-25 ppm concentration in the stream water. Vectobac-12 AS can also be applied diluted with similar spray equipment. Do not mix more Vectobac-12 AS than can be used in a 2-week period.

**SMALL QUANTITY DILUTION RATES FOR VECTOBAC-12 AS**

Rates in Pints Per Acre	Gallons Spray Solution/Acre		
	10 Gal/A	25 Gal/A	50 Gal/A
	(Ounces Needed Per Gallon of Spray)		
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	0.66	0.32

ACCEPTED

FEB 9 5 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, by the pesticide labeler's code 25566

Vectobac-12 AS

Biological Mosquito and Blackfly Larvicide Aqueous Suspension

Active Ingredient: Bacillus thuringiensis, Serotype, H-14, 1200 International Toxic Units (ITU) per milligram (Equivalent to 4.84 billion ITU per gallon; 1.279 billion ITU per liter) ..... 1.2% Inert Ingredients ..... 98.8%

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 275-66 EPA Establishment No. 33762-IA-1 List No. 5605 03 Lot No. Net Volume: Bulk Tank Truck

Vectobac-12 AS 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

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

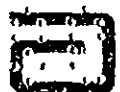
STORAGE: Store in a cool place

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)

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Chemical & Agricultural Products Division Abbott Laboratories North Chicago, Illinois 60063

01-0000-2-R1

APPLICATION DIRECTIONS

Mosquito Habitat Suggested Range Rate\*

(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 levees 0.25 pt-1 pt/acre

Polluted water (such as sewage lagoons, animal waste lagoons) 1 pt-2 pts/acre

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

Blackflies Habitat Suggested Range Rate

Streams 0.5 to 25 mg/liter stream water\*\* (1- ppm)

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

Ground and Aerial Application

Vectobac-12 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-12 AS 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-12 AS may be applied either undiluted or diluted with water. For undiluted applications, apply 0.25 to 2.0 pt/acre of Vectobac-12 AS 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-12 AS. 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-12 AS 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-12 AS necessary to maintain a 0.5-25 ppm concentration in the stream water. Vectobac-12 AS can also be applied diluted with similar spray equipment. Do not mix more Vectobac-12 AS than can be used in a 2-week period

SMALL QUANTITY DILUTION RATES FOR VECTOBAC-12 AS

Table with 4 columns: Rates in Pints Per Acre, 10 Gal/A, 25 Gal/A, 50 Gal/A. Rows show dilution rates from 0.25 to 2.0 pints per acre.

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Products Division  
Abbott Laboratories  
North Chicago, Illinois 60064

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For the Federal Insecticide, Fungicide, and Rodenticide Act, see label for the pesticide agent's name and EPA Reg. No. 275-66

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and  
Blackfly Larvicide  
Aqueous Suspension

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**CAUTION**

EPA Reg. No. 275-66  
EPA Establishment No. 33762-IA-1  
List No. 5605 01

Lot No.

Net Volume: 2 x 2-1/2 Gallons

**APPLICATION DIRECTIONS**

**Mosquito Habitat** **Suggested Range Rate\***  
(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 pt-1 pt/acre  
Polluted water (such as sewage lagoons, animal waste lagoons) 1 pt-2 pts/acre  
\*Use higher rate in polluted water and when late- and early-4th instar larvae predominate, mosquito populations are high, water is heavily polluted, and/or algae are abundant

**Black flies Habitat** **Suggested Range Rate**  
Streams 0.5 to 25 mg/liter stream water\*\* (= ppm)  
\*\*Use higher rate when stream contains high concentration of organic material, or dense aquatic vegetation

**Ground and Aerial Application**  
Vectobac<sup>®</sup>-12 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-12 AS than can be used in a 2-week period.

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