

Vectobac[®]-12F 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 & Agriculture
Products Division
Abbott Laboratories
North Chicago, Illinois 60064

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ACCEPTED

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Under the Federal Insecticide, Fungicide, and Herbicide Act, as amended, for the following registered product:
EPA Reg. No. 275-64

Vectobac-12F

Biological Mosquito
and
Blackfly Larvicide
Non-Aqueous Suspension

Active Ingredient **Bacillus thuringiensis, Serotype, H-14**, 1200 International Toxic Units (ITU) per milligram (Equivalent to 4.38 billion ITU per gallon, 1.152 billion ITU per liter) 1.2
Inert Ingredients 98.8

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 275-64

EPA Establishment No. 33762-IA-1

List No. 5070-02

Lot No.

Net Volume: 30 Gallons

APPLICATION DIRECTIONS

Mosquito Habitat

(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.

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

*Use higher rate in polluted water and when late instar (2nd, 3rd, 4th) instar larvae predominate; mosquito populations are high; water is heavily polluted, and/or algae are abundant.

Blackflies Habitat

Streams

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

Ground and Aerial Application

Vectobac[®]-12F 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[®]-12F 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-12F may be applied either undiluted or diluted with water. For undiluted application, apply 0.25 to 1.5 pints/acre of Vectobac-12F 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-12F. Vectobac-12F must be mixed in a minimum of 3 parts water (1:3 ratio) to produce a uniform, low viscosity, suspension. Maintain the agitation while loading or spraying. For all aerial applications, a droplet spectrum in the range of 20-100 microns (VMD) will produce best results.

Rinse and flush spray equipment thoroughly following each use.

For blackfly aerial applications, Vectobac-12F 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-12F necessary to maintain a 1-50 ppm concentration in the stream water. Vectobac-12F can also be applied diluted with similar spray equipment. Do not mix more Vectobac[®]-12F than can be used in a 2-week period.

SMALL QUANTITY DILUTION RATES FOR VECTOBAC-12F

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	0.4	1.0	0.8
0.5	0.8	2.0	0.16
1.0	1.6	4.0	0.32
1.5	2.4	6.0	0.48