



Manufactured by:



**Biochem  
Products**

A Division of  
Salsbury Laboratories, Inc.  
A Member of  
The Solvay Group  
Montchanin, Delaware 19710

EPA Registration No.  
43382-3

EPA Est. No.  
47317-FR-01

New Weight:  
15 lb.

Lot No.

Product of France

# BACTIMOS™

## WETTABLE POWDER FOR CONTROL OF MOSQUITO AND BLACK FLY LARVAE

ACTIVE INGREDIENT: *Bacillus thuringiensis* Berliner var. *israelensis*, Serotype H-14, 3500  
*Aedes aegypti* (AA) International Toxic Units (ITU) per milligram formulated  
product\* 50.0%

INERT INGREDIENTS 50.0%  
\*Equivalent to 1.54 ITU per AA ITU formulation of product 100%

## KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### PRECAUTIONARY STATEMENTS

**Hazards to Humans:** Avoid inhalation or contact with eyes or open wounds.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to treated finished drinking water reservoirs or drinking water receptacles.

#### STORAGE AND DISPOSAL

**STORAGE:** Tightly close containers of unused Bactimos. Store in cool, dry place.

**DISPOSAL:** Do not reuse empty container. Perforate or crush and discard container according to local trash disposal regulations and in a safe place.

#### DIRECTIONS FOR USE

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

#### APPLICATION RATES

**Mosquito Larvae:** Apply 2 to 12 oz. by weight/acre (or) 0.125 to 0.75 kg/hectare (0.025 to 0.15 mg product/liter = ppm). Use the higher rates in heavily polluted water, when populations are dense, and when larvae are nearly grown or in fourth instar. Most treatments will require no more than 4 oz/acre (or) 0.25 kg/hectare. Apply enough diluent to cover the area. Dilute in the volume of carrier that is compatible with available equipment. Apply only when mosquitoes are larvae and not pupae.

**NOTICE:** Biochem Products makes no warranty, express or implied, including the warranties of merchantable quality and/or fitness for any particular purpose concerning this material, other than those which are contained on this label.

**Conditions:**

Woodland pools, flood water, light to moderate populations, ricefields, brackish water.

**Rates:**

2-4 oz/acre

Moderate pollution or organic content, ditches, moderate populations.

4-6 oz/acre

Sewage waste lagoons, high pollution or organic content, heavy vegetative cover, high populations, 4th instar larvae.

6-12 oz/acre

When mixing with water for spray applications, partially fill the tank and add the required amount of Bactimos. Mix thoroughly and finish filling the tank. The spray solution may stand for up to a week, if necessary, if clean water is used in mixing. Agitate before use and during use with continuous mixing or by moving spray tank. Apply in a uniform way. Treat once per week if a regular treatment schedule is required.

For aerial spray applications, use recommended rates in 1/4 to 10 gallon diluent per acre.

**Small Quantity Dilution Rates**

Level Tablespoons To Use per Acre	Rate in Oz Weight per Acre
8	2
15 (1 level 8 oz. cupful)	4
23	6
31 (2 level 8 oz. cupfuls)	8
39	10
46 (3 level 8 oz. cupfuls)	12

Use enough diluent so that available equipment will give adequate coverage and deliver the selected rate. For example, at 5 gallons water spray per acre, use the following number of level tablespoonfuls per gallon spray solution for each rate: 2 for 2 oz., 3 for 4 oz., 5 for 6 oz., 6 for 8 oz., 8 for 10 oz., and 9 for 12 oz. Remove fine mesh filter screens from nozzles to insure against clogging.

**Black Fly Larvae:** Use enough diluent and measured release. The portion of water in the stream carrying the treatment becomes longer and the treatment more dilute as it goes downstream from the point of treatment. Apply upstream from infestations so that black fly larvae may have at least 5 minutes exposure. Measure stream flow with a meter or approximate using average metric stream depth and width to determine stream area and a floating object timed over a measured distance to gauge velocity. Multiply area times velocity to determine volume of flowing water per minute.

**Black Fly Larvae Treatment Rates**

Stream Size	Milligrams Product per Liter per Minute (=ppm) Treated Water	Treatment Duration in Minutes
Large	0.5 to 2.0	10
	1.0 to 4.0	5
Small	5.0 to 10.0	3
	15.0 to 30.0	1

Apply only when black flies are larvae and not pupae. Allow 24 hours minimum for control. Repeat when reinfestation occurs.