



Manufactured by:



**Biochem
Products**

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

EPA Registration No.
43382-B

EPA Est. No.
47317-CN-01

Net Contents:
2.5 gals
9.46 L

Lot. No.

Product of Canada

BACTIMOS™

FLOWABLE CONCENTRATE FOR CONTROL OF MOSQUITO AND BLACK FLY LARVAE

ACTIVE INGREDIENT: *Bacillus thuringiensis* Berliner var. *israelensis*, Serotype H-14, 1,000
Aedes aegypti (AA) International Toxic Units (ITU) per milligram formulated
product* 14.3%

INERT INGREDIENTS: 85.7%
100%

*Equivalent to 4.16 billion AA ITU per gallon of product

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: Shake or stir well before use. Apply 0.5 to 3.0 pints/acre (or) 0.5 to 3.5 liters/hectare (0.08 to 0.48 microliters 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 1/2 pint/acre (or) 1/2 liter/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 commercially acceptable 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, brackish water.

Moderate pollution or organic content, ditches, moderate populations.

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

Rates:

1/2 pint/acre

1/2 to 1 pint/acre

1 to 3 pints/acre

When mixing with water for spray application, 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. 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 gallons diluent per acre.

Small Quantity Water Dilution Rates Tablespoonfuls per gallon

Rate in pints per Acre	Gallons per Acre of Spray Solution		
	5 gal.	10 gal.	15 gal.
1/2	3	2	1
1	6	3	2
1 1/2	10	5	3
2	13	6	4
2 1/2	16	8	5
3	19	10	6

Use sufficient diluent so that available equipment will give adequate coverage and deliver the selected rate.

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 system 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	Microliters* (or) Milligrams Product per Liter per Minute (=ppm) Treated Water	Treatment Duration in Minutes
Large	1.6 to 7.0	10
	3.5 to 14.0	5
Small	17.0 to 35.0	3
	50.0 to 105.0	1

*One microliter equals 1/1000 milliliter.

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

