

vegalab



Mosquito BioControl

Advanced Biological Mosquito Control
BIODEGRADABLE LIQUID CONCENTRATE

ACTIVE INGREDIENTS:	
<i>Heterorhabditis megidis</i>	2.0%
INERT INGREDIENTS:*	98.0%
TOTAL:	100.0%

*water (CAS# 7732-18-5), egg solids (CAS# 9006-50-2), soybean oil (CAS# 8001-79-4), lecithins (CAS# 8002-43-5)

KEEP OUT OF REACH OF CHILDREN

See Back Panel for Precautionary Statements

Manufactured by: Vegalab LLC, 1201 North Orange Street, Suite 7233, Wilmington, DE 19801-1186

NET CONTENTS: ■ 1 Gallon (3.79 L) ■ 5 Gallons (18.93 L)

NON-TOXIC
Environmentally Safe

Biological Control Agent containing live Entomopathogenic Nematode parasitic microorganisms that control mosquito larvae.

Mosquito BioControl is comprised of entomopathogenic nematodes (*Heterorhabditis megidis*). They are extraordinarily lethal to mosquito larvae, yet safe for plants and animals. This entomopathogenic nematode is an endoparasite that uses host larvae to stay alive and reproduce.

Mosquito BioControl uses nematode juveniles to seek out mosquito larvae and initiate infections. The nematodes penetrate the larvae's body cavity, usually via natural body openings or areas of thin cuticle. Inside the body cavity, juveniles release symbiotic bacteria from their gut into the insect's blood. In the blood, multiplying nematode-bacterium cause septicemia and kill their insect hosts usually within 48 hours after infection. The nematodes feed on the multiplying bacteria, mature into adults, reproduce and then emerge as infective juveniles from the host cadaver to seek new larvae in their environment.



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FIRST AID

IF SWALLOWED

- May upset the gastrointestinal tract.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting.

IF INHALED

- Move person to fresh air.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call the National Pesticides Information Center 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

Mosquitoes are small Culicidae insects considered dangerous carriers of diseases. They are parasites, sucking animal blood to obtain proteins that allow females to lay eggs. Mosquito larvae feed on roots and lower tissue parts of plants. Plants weaken and die. Mosquito larvae tend to pass unobserved, but they can provoke yellowing in leaves and inhibit plant growth.

Entomopathogenic nematodes (EPN) are exceptionally safe biological control agents. EPN and their associated bacteria are harmless to mammals and plants. Environmental impact on beneficial insects and non-target organisms has not been reported in field studies. This high degree of safety means that nematodes and their applicators do not require safety equipment. They are non-toxic to people and livestock and do not pollute water or soil.

EFFICACY

- Effective against culex pipiens pallens and other species of mosquito larvae.

DIRECTIONS FOR USE

Mix Rate: The mix rate for Mosquito BioControl is 0.13 fl. oz. (3/4 tsp.) or 3.8 mL per one gallon of water or 128 fl. oz. (1 Gallon) of product per 1,000 Gallons of water. Depending on severity of outbreak Mosquito BioControl may be applied directly to the mosquito infestation, to the plants, to lakes/ponds, or to the soil itself. **SHAKE OR MIX THOROUGHLY!**

Application Table

Crop Type	Dilution Ratio	Mix Rates	Time to use
All Crops	1:1,000	0.13 fl. oz. or 3.8 mL/1 gal water 34 fl. oz. or 1 L/1,000 L of water in lakes, ponds, water tank, etc.	At the start of mosquito infestation

For all crops, mix 0.13 fl. oz. or 3.8 mL of Mosquito BioControl with 1 gallon of water. It may also be used in other quantities at the dilution rate of 1:1,000 of product to water. Spray Mosquito BioControl onto leaves and roots. Water plants thoroughly. Do not treat stressed plants. Application in the late evening is recommended to achieve maximum efficacy. Avoid high sunlight hours. Avoid using on natural predators, such as dragonflies.

Phytotoxicity on plants is low. When treating a new type of plant, apply the product on a few specimens and localize the application to a small area of the plant.

Mosquito BioControl contains eggs for which the US EPA prohibits direct aerial and ground application to above-ground harvestable food commodities.

STORAGE AND DISPOSAL

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

Storage: These are live Entomopathogenic Nematode microorganisms. Remove from shipping package and store in a refrigerator at (40-77°F/5-25°C). DO NOT FREEZE. Ensure good air circulation around each container. When kept under standard refrigeration, proprietary in vivo technologies and advanced packaging permit shelf life of 2 to 5 months. Do not use if past expiration date or incorrectly stored.

Disposal: Non-refillable container. Product and packaging waste, or unused, outdated product, may be disposed of on site or at any approved waste disposal facility in accordance with Federal and local regulations.

ENVIRONMENTAL HAZARDS

Non-toxic to humans and livestock; causes no pollution to water or soil. Best land management practices should be used at all times. Prevent from entering public or private water supplies (including wells) and any lake, stream, or river.

This product has not been registered by the United States Environmental Protection Agency. Vegalab LLC represents that this product qualifies as a Biological Control Agent (Nematodes) for exemption as per 40CFR152.20(a).

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