



# Biolarvicide Biological Larvicide Aqueous Suspension

A microbial insecticide effective against mosquitoes, blackflies, nuisance flies (*Psychoda* spp. and *Chironomus* spp.) and nuisance aquatic midges (*Chironomine*) in a variety of habitats.

<b>ACTIVE INGREDIENT:</b> <i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> , solids, spores and insecticidal toxins*	8.00%
<b>OTHER INGREDIENTS:</b>	92.00%
<b>TOTAL:</b>	100.00%

\*Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU/gallon or 1.2 Billion ITU/liter). Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
See back panel for additional precautionary statements and directions for use.	

EPA Reg. No. 62637-1  
EPA Establishment No. 000618-PA-001

Net Contents: 2 x 2.5 gallons (9.46 liters)

## PRECAUTIONARY STATEMENTS

**CAUTION:** Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

**USER SAFETY RECOMMENDATIONS:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water when disposing of equipment washwaters. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles.

## DIRECTIONS FOR USE

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

AQUABACxt may be applied to any water sites except treated, finished drinking water reservoirs or drinking water receptacles.

### MOSQUITOES:

Habitat	Rate Required for Control
Flood water, roadside ditches, irrigation ditches, rice fields, pastures, woodland pools, snowmelt pools, . . . . .	0.25-1.0 pts./A standing pools
Tidal water, salt marshes, catch basins, and storm water retention areas . . . . .	0.50-1.0 pts./A
Polluted water (sewage lagoons, etc.) water with moderate organic matter, and water with a high concentration . . . . .	1.0-2.0 pts./A of suspended solids

### SPECIFIC APPLICATION INSTRUCTIONS

**General:** AQUABACxt may be applied in conventional aerial and ground application equipment with sufficient water to provide thorough coverage of the target area. The amount of water needed will be dependent on weather, type of spray equipment and mosquito habitat.

Ground applications should be made in 5-100 gallons per acre in conventional equipment. As low as one gallon per acre surface area can be used when the target area is open with light vegetative cover.

Aerial applications may be done diluted or undiluted. For undiluted applications, apply 0.25 to 2.0 pts./A of AQUABACxt through fixed wing aircraft or helicopters equipped with conventional boom and nozzles or rotary mist atomizers. For diluted applications, fill the mix tank or aircraft hopper with the appropriate volume of water and agitate before adding AQUABACxt. Maintain agitation during loading and spraying. Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

### BLACKFLIES:

Suggested Concentration Range . . . . . 0.50-75 ppm (0.50-75 mg/liter of stream water)  
The concentration should be maintained in the stream for 15 minutes.

### SPECIFIC APPLICATION INSTRUCTIONS:

Apply with conventional ground and aerial application equipment or metered release systems from infested sites to achieve larvicidal concentrations. Insecticidal activity should occur within 24 hours. Reapply as needed. AQUABACxt may be applied undiluted through appropriate ULV application equipment.

### NUISANCE FLIES:

For control of the Nuisance Flies *Psychoda* spp. and *Chironomus* spp. in sewage treatment facilities utilizing trickling filter systems.

### APPLICATION DIRECTIONS

Nuisance Fly Habitat	Suggested Use Rates <sup>1</sup>
Trickling filter system of wastewater treatment plants. . . . .	10-50 mg per liter of wastewater feed to the system per 30 minutes.
1. Use higher rates for control of <i>Chironomus</i> spp. Apply undiluted with a pre-calibrated pump or other device into the wastewater feeding into the filters for a minimum period of 30 minutes. Repeat applications as needed. Control of <i>Chironomus</i> spp. may take two weeks.	

### NUISANCE AQUATIC MIDGES:

For control of *Chironomine* midges (*Chironominae: Chironomini*) inhabiting shallow, man-made and natural lakes and ponds.

### APPLICATION DIRECTIONS

Nuisance Midge Habitat	Suggested Rate Range <sup>1</sup>
Shallow lakes and ponds per sewage oxidation ponds (less than an acre 6 feet deep) . . . . .	1.0 gallon/acre (3.80 liters/acre)
1. Apply diluted with water in a total volume of 5 gallons/acre by pouring or spraying over the surface to be treated with a pre-calibrated device. Repeat applications as necessary. Control of <i>Chironomini</i> midges may take up to two weeks.	

## STORAGE AND DISPOSAL

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

**Storage:** Store in a cool (59-86°F; 15-30°C), dry 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. Do not reuse container.

## 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 risks of use, storage or handling not in strict accordance with label instructions.

In case of an emergency endangering life or property involving this product, call collect, day or night, (800) 759-1602.