

2023-5843
2023-10-24

GROUP 11 INSECTICIDE

MY-CROBE xt

Biological Larvicide

**SUSPENSION
LIVE ORGANISM
RESTRICTED**

SKIN IRRITANT

CAUTION EYE IRRITANT

POTENTIAL SENSITIZER

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT: *Bacillus thuringiensis* subspecies *israelensis* serotype H-14, strain BMP-144, 1200 International Toxic Units (ITU) per milligram (1.28 billion ITU/kg)

**REGISTRATION NO 34633
PEST CONTROL PRODUCTS ACT**

Net Contents: 10.00 Litres

Lot N^o:

Date of manufacture:

PROVENTUS BIOSCIENCE INC.
4455 Griffith, Saint-Laurent (QC) H4T 2A2
438-387-1117

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized; contact local pesticide regulatory authorities about use permits which may be required.

RESTRICTED USE

For use in municipal, provincial or federal control programs against mosquitoes and blackflies. MY-CROBE xt Biological Larvicide may be applied to any water sites except treated, finished water reservoirs or drinking receptacles.

DIRECTIONS FOR USE

MOSQUITOES

Habitat	Rate required for control
Flood water, roadside ditches, irrigation ditches, pastures, woodland pools, snow melt pool.....	300 – 600 ml / hectare
Tidal water, salt marshes, catch basins, storm water retention areas.....	600 - 1200 ml / hectare
Polluted water (sewage lagoons, etc.) Water with moderate organic matter, and water with a high concentration of suspended solids.....	1200 - 2400 ml / hectare

MY-CROBE xt Biological Larvicide may be applied in conventional aerial and ground equipment with sufficient water to provide thorough coverage of the target area. The amount of water needed will depend on weather, type of spray equipment and mosquito habitat.

Ground applications should be made using conventional equipment with 47-935 litres per hectare. As low as 10 litres per hectare surface area can be used when the target is open with light vegetative cover. Aerial applications may be done diluted or undiluted. For undiluted applications, apply 300 - 2400 ml / hectare of MY-CROBE xt Biological Larvicide 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 MY-CROBE xt Biological Larvicide. Maintain agitation during loading and spraying.

BLACKFLIES LARVAE

•Suggested concentration range.....**0.5 - 75 mg / litre of stream water**

The concentration should be maintained in the stream for 15 minutes. For blackfly control, 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. MY-CROBE xt Biological Larvicide may be applied through appropriate ULV (Ultra-Low Volume) equipment.

DO NOT allow spray mixture to stand in the tank for more than 18 hours.
DO NOT apply by any type of irrigation system.

PRECAUTIONS: PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. MAY CAUSE SENSITIZATION. CAUTION EYE IRRITANT. Avoid contact with skin, eyes, and clothing. Avoid inhaling/breathing dusts. Wear a long sleeved shirt, long pants, protective eyewear (goggles), waterproof gloves, socks and shoes, and NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter for biological products when handling, mixing/loading or applying the product and during all cleanup/repair activities. Applicators may remove gloves, eye goggles and respirators if the design and delivery of the application apparatus reduces exposure to a negligible level (e.g. backpack sprayer with application wands that apply product directly over water surface). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

DO NOT apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

FIRST AID: IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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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. Call a poison control centre or doctor for treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE AND SHELF LIFE: MY-CROBE xt Biological Larvicide should be used within 24 months of the date of manufacture when stored in the original container at temperatures between 0 and 25°C .

DISPOSAL: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: Triple-or pressure-rinse the empty container. Add the rinsing to the spray mixture in the tank.

Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the provincial regulatory agency or the manufacturer. Contact the provincial regulatory agency and the manufacturer in case of a spill, and for clean-up of spills.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that MY-CROBE xt Biological Larvicide contains a Group 11 insecticide. Any insect population may contain individuals naturally resistant to MY-CROBE xt Biological Larvicide and other Group 11 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same site. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. The following appropriate resistance management strategies should be followed to delay insecticide resistance:

- Where possible, rotate the use of MY-CROBE xt Biological Larvicide and other Group 11 insecticides with different groups that control the same pests in a site.
- Insecticide use should be based on an Integrated Pest Management program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.

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- Contact your local extension specialist for any additional pesticide resistance management and/or integrated pest management recommendation for specific site and pest problems in your area.
- For further information or to report suspected resistance, contact PROVENTUS BIOSCIENCE INC. at 4455 Griffith, Saint-Laurent (QC) H4T 2A2, Telephone: 438-387-1117.

AERIAL APPLICATION INSTRUCTIONS:

Apply only by fixed-wing or rotary aircraft equipment that has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product-specific. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application by using appropriate marking devices and/or electronic guidance equipment.

Use Precautions:

Apply only when meteorological conditions at the treatment site allow for complete and even coverage. Apply only when meteorological conditions are in compliance with local and/or provincial authorities.

Operator Precautions:

DO NOT allow the pilot to mix product to be loaded onto the aircraft. However, loading of premixed product with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear the personal protective equipment described in the PRECAUTIONS section of this label. When handlers/loaders use closed systems to load the product onto the aircraft, the handler requirement for eye goggles and a NIOSH-approved respirator/mask with any N-95, R-95, or P-95 filter for biological products may be waived. When reduced personal protective equipment is worn, the respirator/mask and eye goggles must be immediately available for use in an emergency such as a spill or equipment breakdown.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing must be washed before reuse. Decontaminate aircraft cockpits and vehicle cabs if contamination occurs.

Product Precautions:

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Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 438-387-1117 or obtain technical advice from the distributor or from your provincial agriculture or forestry representative. Application of this specific product must meet and/or conform to the aerial uses and rates on this label.