17-APR-2003

AQUABAC™ II *xt*

Biological Larvicide

COMMERCIAL

CAUTION SKIN IRRITANT
CAUTION EYE IRRITANT
POTENTIAL SENSITIZER

READ THE LABEL BEFORE USING

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

REGISTRATION NO. 27376
PEST CONTROL PRODUCTS ACT

1.00 Litre, 5.00 Litres

Lot n^0:

Date of manufacture:

AFA Environnement inc.

1100 boul. René-Lévesque Ouest, 25e étage, Montréal (Québec) Canada H3B 5C9

DIRECTIONS FOR USE

AQUABAC II *xt* Biological Larvicide is a selective and effective microbial insecticide for the control of mosquito larvae (wrigglers) in standing waters. When granules are applied on the water surface, the active ingredient is released and becomes available for ingestion by mosquito larvae. AQUABAC II *xt* Biological Larvicide becomes active in the stomach of mosquito larvae.

AQUABAC II *xt* Biological Larvicide is for use solely in standing waters, wholly contained on the landowner's property, where mosquito larvae are present. Do not apply to drinking water reservoirs and drinking receptacles. To detect the presence of wrigglers (see picture), look closely for larvae moving in an "S" pattern at the surface of water.

Wriggler
6 mm

Treat when larvae are approximately 6 mm in length. In the spring, the first treatment can start 7 - 10 days after ice has completely melted from standing water. In areas with a very mild winter (no ice), treatments can start in early spring, as soon as 6-mm long wrigglers are detected.

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

For each habitat, use the higher rates of the rate range when late-instar larvae predominate. Apply AQUABAC II *xt* Biological Larvicide with conventional ground application equipment and dilute in sufficient water to provide thorough coverage of the target area (i.e. 10-1000 L of water/ha). The amount of water needed will depend on the type of spray equipment and on the mosquito habitat. As little as 10 L water/ha can be used when the habitat is open with light vegetative cover. With ultra-low volume (ULV) equipment, 50 - 100 L water/ha is commonly used. For high-volume equipment, use 300 - 500 L water/ha. If the vegetation cover is dense, use up to 1000 L water/ha. To dilute the product, fill the mix tank with the appropriate volume of water and agitate before adding AQUABAC II *xt* Biological Larvicide. Maintain agitation during filling. Do not apply to water that runs onto another property. DO NOT APPLY BY AIR.

Allow 24 hours for maximum effect on larvae. If necessary, reapply at 7 – 10 day intervals if wrigglers are detected. It may be necessary to repeat application until the end of summer. A repeat application may also be necessary after a major rainfall (2 cm of rain or more).

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May cause sensitization. Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants water-proof gloves and eye goggles when handling, mixing/loading, or applying the product and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID:
IF ON SKIN/CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water.
IF IN EYES: Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present, then continue rinsing.
GENERAL: Seek medical attention immediately if irritation occurs and persists or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Keep in original container during storage. Store in a secure, cool, dry place at temperatures between 0 and 25°C. Do not contaminate water, food or feed by storage. This product should be used within 24 months of the date of manufacture.

DISPOSAL: 1.Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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