

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



**APPROVED
LABEL**



BTI 1200

BIOLOGICAL MOSQUITO LARVICIDE



ACTIVE CONSTITUENT:

Bacillus thuringiensis subspecies *israelensis*,
serotype H14 (Manufactured by FermPro Manufacturing LP at their plant in
Kingstree, South Carolina, USA) active solids and solubles

GROUP 11B INSECTICIDE

An aqueous suspension for control of mosquito larvae in salt and fresh water breeding areas
by ground or aerial application by Ultra Low Volume (ULV) techniques or diluted with water.

Net Contents: 10 L

BARMAC INDUSTRIES PTY LTD

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APVMA APPROVAL NUMBER 62305/10/0108

Batch
Number:

Expiry Date:

BTI1200L0804

Name of file: BTI1200.pdf Label Dimensions: Flat: 195 mm (w) x 150 mm (h) Scale of print: A4 - 100% A3 - 100%

Colours: Pantone 245 (left side of label) Pantone 345 (right side of label) Barmac blue logo Black

DIRECTIONS FOR USE - FOR USE IN ALL STATES

SITUATION	PEST	RATE/ha	CRITICAL COMMENTS
Stagnant ponds, ditches, standing flood or irrigation water up to 15cm deep	Larvae of mosquitoes including:- <i>Culex annulirostris</i> , <i>Aedes notoscriptus</i> , <i>Anopheles annulipes</i>	300 mL to 600 mL	Early stage larvae are most susceptible. That is, 1 st to early 4 th instar. Pupae are not affected as they are not feeding.
Sites as listed above up to 30cm deep	<i>Culex australicus</i>	600 mL to 1.2 L	Further treatment may be needed if larvae reappear, usually after 5-10 days.
Standing tidal water and salt marshes with water up to 30cm deep	Larvae of mosquitoes including:- <i>Aedes vigilax</i> <i>Culex sitiens</i>	600 mL to 1.2 L	Use the higher rates under situations of high larval numbers or under difficult application conditions such as high levels of organic matter or increased water depth.
Sewage settling ponds and similar sites with moderate to high organic content.	Larvae of mosquitoes:- Any of the above species, <i>Culex quinquefasciatus</i>	1 to 2 L	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

NO WITHHOLDING PERIOD IS REQUIRED, BUT WATER FOR HUMAN DRINKING SHOULD NOT BE SPRAYED.

GENERAL INSTRUCTIONS

INSECTICIDE RESISTANCE WARNING:

GROUP 11B INSECTICIDE

For insecticide resistance management, Barmac BTI 1200 is a Group 11B Insecticide.

Some naturally occurring insect biotypes resistant to Barmac BTI 1200 and other Group 11B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Barmac BTI 1200 or Group 11B insecticides are used repeatedly. The effectiveness of Barmac BTI 1200 on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Barmac Industries Pty Ltd accepts no liability for any losses that may result from the failure of Barmac BTI 1200 to control resistant insects. Barmac BTI 1200 may be subject to specific resistant management strategies. For further information contact your local supplier, Barmac Industries Pty Ltd representative or local agricultural department agronomist.

APPLICATION METHOD: Barmac BTI 1200 may be applied by properly calibrated conventional aerial or ground spray equipment.

THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

Applications may be diluted with reasonably clean water or applied as ULV with no dilution provided that the application equipment provides an even spread of product over the target area. The amount of water needed will depend on weather, type of equipment and mosquito habitat. The objective is to deposit the required quantity of product to the breeding site where it will be ingested by feeding larvae.

Ground applications through conventional spraying equipment can be at rates as high as 1,000L of diluted spray per hectare although far lower rates can be applied when using equipment such as misting machines.

Aerial application as either undiluted ULV or diluted with water can be made with fixed wing aircraft or helicopters using conventional boom and nozzles or rotary mist atomizers.

MIXING: Agitate or thoroughly mix the contents before use.

For diluted applications add the appropriate amount of water to the spray tank or hopper and agitate while adding the measured amount of Barmac BTI 1200. Maintain moderate agitation during spraying but do not over agitate as this may change the physical characteristics of the formulation. Do NOT mix with alkaline or dirty water.

Applications of undiluted product as ULV do not need agitation once the contents are loaded.

PROTECTION OF LIVESTOCK, WILDLIFE AND OTHERS: Empty containers must not be reused. The containers should be disposed of in an approved manner. DO NOT contaminate ponds, waterways or drains with the product or the used containers.

STORAGE AND DISPOSAL: Keep out of reach of children. Store in the closed original container in a dry, well ventilated area, as cool as possible and out of direct sunlight. This product is a biological larvicide containing crystals of protein and bacterial spores. Activity can be impaired unless protected from high temperatures at all times. Do NOT expose the product to temperatures above 30°C for any length of time. This includes during transport or short term storage on airstrips etc. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

SAFETY DIRECTIONS: Avoid contact with eyes, skin and open wounds. Do NOT inhale spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone (Australia) 131126.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS, available from www.barmac.com.au.

Notice: This product is designed only for the particular purposes indicated on the label. Failure to use the product strictly as directed may be illegal, prove dangerous and render the product ineffective. The buyer or user is responsible for any misuse or negligence in the handling, storage, use of or disposal of this material. Waterbury Companies Inc or Barmac Industries Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply and use of this product other than those responsibilities mandatorily imposed by Statutes applicable to the sale and supply of these goods.

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