

BARMAC OUT OF BOUNDS INSECTICIDE.**DIRECTIONS FOR USE:****Restraints**

DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the chemical

SITUATIONS	PEST	RATE	CRITICAL COMMENTS
Turf (for example: Lawns, Commercial turf farms, Parks, Recreational Areas, Bowling greens, Sports fields)	Lawn armyworm (<i>Spodoptera maurita</i>) Sod webworm (<i>Herpetogramma licarsisalis</i>)	1.2 L/ha (12mL/100m ²)	Mix Barmac Out Of Bounds Insecticide in water and apply evenly over the area to be treated using spray application equipment. Use a minimum total spray volume of at least 200L/ha (2L/100m ²). To ensure optimum control, irrigate the treated area with up to 4mm of water soon after application. Inspect treated areas for continuing activity. Reapply as required. Where a rate range is indicated use lower rates under lower insect pressure and higher rates under higher insect pressure. Apply after mowing to minimise loss of insecticide in clippings. DO NOT apply to soils if excessively wet or immediately after heavy rain.
	Argentine stem weevil adults (<i>Listronotus bonariensis</i>)	1.2 - 2.4L/ha (12-24mL/100m ²)	
	African black Beetle adults (<i>Heteronychus arator</i>)	2.4 - 3.6L/ha (24-36mL/100m ²)	
	Billbug adults (<i>Senophorus</i> sp)	1.2 - 2.4L/ha (12-24mL/100m ²)	
	Black ant, Coastal brown ant, Funnel ant, Meat ant, Sugar ant and Stinging ant only	1.2 - 4.4L/ha (12-44mL/100m ²)	Mix Barmac Out of Bounds Insecticide in water and apply over the area to be treated using spray application equipment. Apply to areas where ants are active. Where possible spray directly into the nests. Use the low rate for maintenance treatments or to control light infestations and the high rate for heavy infestations and for maximum residual control. The elimination of funnel ants from a particular site will generally require more than one application. Initial applications should be applied over affected areas. As the initial numbers of active colonies is reduced, application should shift to targeting active mounds. Apply spray directly to the mound and in the area immediately surrounding active mounds (300 mm radius).
External Areas & Surrounds of Domestic, Commercial, Public & Industrial Buildings and Structures	Ants, Cockroaches, Mosquitoes, Fleas, Ticks (excluding the paralysis tick <i>Ixodes holocyclus</i>) (Adults & Nymphs)	50 – 100 mL/10L	On non-porous surfaces apply as a coarse spray at the rate of 1L of emulsion per 20m ² . When treating non-porous surfaces do not exceed the point of run-off. On porous surfaces or use through power equipment, spray at the rate of 1L of emulsion per 10 m ² . When treating porous surfaces do not exceed the point of run-off. Use the higher rate in situations where pest pressure is high, when rapid knockdown and/or maximum residual protection is desired. The lower rate may be used for follow up treatments. To control ants apply to trails and nests. Repeat as necessary. To control fleas and ticks apply prepared emulsion to outside surfaces of buildings and surrounds including but not limited to foundations, verandahs, window frames, eaves, patios, garages, pet housing, soil, turf, trunks of woody ornamentals or other areas where pests congregate or have been seen. To control flies and mosquitoes apply prepared emulsion to surfaces where insects rest or harbour. Reapply as necessary. For perimeter treatments apply the prepared emulsion to a band of soil or vegetation two to three metres wide around and adjacent to the structure. Also treat the foundation of the structure to a height of approximately one metre. Use a spray volume of 5 to 10 L per 100 m ² . Higher volumes of water may be needed if organic matter is present or foliage is dense.

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

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

BARMAC

OUT OF BOUNDS

INSECTICIDE

ACTIVE CONSTITUENTS: 100g/L BIFENTHRIN
SOLVENTS: 562g/L LIQUID HYDROCARBONS,
50g/L N-METHYL-2-PYRROLIDONE

GROUP 3A INSECTICIDE

FOR THE CONTROL OF PESTS OF TURF AND FOR THE CONTROL OF A RANGE OF URBAN PESTS AS INDICATED IN THE DIRECTIONS FOR USE

NET CONTENTS: 5 L



BARMAC INDUSTRIES PTY LTD
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APVMA Approval Number: 58957/5/0305

Batch Number:

Date of Manufacture:

GENERAL INSTRUCTIONS: Barmac Out of Bounds Insecticide is a contact and residual Insecticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when Barmac Out of Bounds is applied before pest populations build up to damaging levels.

INSECTICIDE RESISTANCE WARNING:**GROUP 3A INSECTICIDE**

For insecticide resistance management Barmac Out of Bounds Insecticide is a Group 3A Insecticide. Some naturally occurring insect biotypes resistant to Barmac Out of Bounds Insecticide and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Barmac Out of Bounds Insecticide or other Group 3A insecticides are used repeatedly. The effectiveness of Barmac Out of Bounds Insecticide 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 Out of Bounds Insecticide to control resistant insects. Barmac Out of Bounds Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier or Barmac Industries Pty Ltd Representative.

APPLICATION: Barmac Out of Bounds Insecticide is an emulsifiable concentrate requiring dilution with water prior to use. Even coverage is necessary for best results. TURF: For application in turf, to aid in even coverage a minimum spray volume of 200L/ha is recommended. High volumes are required as in all turf situations listed in the directions for use the insecticide needs to be incorporated into the turf thatch and upper soil. PEST CONTROL AROUND BUILDINGS AND STRUCTURES: Refer to the application instructions in the critical comments.

MIXING: Add the required quantity of Barmac Out of Bounds Insecticide to water in the spray tank and mix thoroughly. Maintain agitation during mixing and application.

SURFACTANTS: Barmac Out of Bounds Insecticide contains a surfactant and additional surfactant is not required.

PRECAUTION: PEST CONTROL AROUND BUILDINGS AND STRUCTURES: DO NOT spray into the air or directly on humans, pest or animals. Avoid contact with food, food utensils or preparation surfaces.

RE-ENTRY ADVICE: TURF: The operator should wear suitable protective clothing (i.e. water-proof boots, overalls and gloves) when walking on or handling newly sprayed turf before the spray deposits have dried or have been watered in. PEST CONTROL AROUND BUILDINGS AND STRUCTURES: DO NOT allow people and pets to re-enter treated areas until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC, neoprene or nitrile gloves and chemical resistant footwear. Clothing must be laundered after each days use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND THE ENVIRONMENT: Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF LIVESTOCK (AND PETS): Dangerous to bees. DO NOT spray any plants in flower when bees are foraging. Spray in the night or early morning when bees are not actively foraging. DO NOT graze treated turf, or feed turf clippings from any treated area to poultry or livestock.

Before spraying remove animals and pets from the areas to be treated. Cover or remove any open food and water containers. Cover or remove fish ponds, aquariums etc before spraying.

STORAGE, SPILLAGE AND DISPOSAL: Store in closed original containers, in a cool well ventilated area away from children, animals, food and feedstuffs. DO NOT store for prolonged periods in direct sunlight. In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste as indicated below or according to Australian Standard AS2507 – Storage and Handling of Pesticides. DO NOT allow spilled product to enter sewers, drains, creeks or any other waterways.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and bury empty containers in a local authority landfill.

If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

DO NOT bury waste or surplus product. Dispose of undiluted waste by either dilution and use according to the directions for use or returning to the point of purchase in the original container for controlled disposal. DO NOT reuse empty container.

SAFETY DIRECTIONS: Poisonous if swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length butyl rubber gloves and goggles. When using the prepared product wear a full layer of clothing (for example overalls). If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, goggles and contaminated clothing.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

MATERIAL SAFETY DATA SHEET: Further information on this product is contained in a Material Safety Data Sheet (MSDS) available from product suppliers, Barmac Industries Pty Ltd or our website, 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. 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.

