

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



Monarch 100 Insecticide

ACTIVE CONSTITUENT: 100 g/L FIPRONIL

GROUP	2B	INSECTICIDE
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**For the Control of Argentine Stem Weevil, Funnel Ant and
Mole Crickets in Recreational, Domestic and Commercial
Turf as specified in the Directions for Use**

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 84556/117247



Turf Culture Pty Ltd
ACN: 117 986 615
43 Gap Road
Sunbury Vic 3429
Ph: 1300 11 8873
(Ph: 1300 11 TURF)
www.turfculture.com.au

DIRECTIONS FOR USE

Restraints

DO NOT apply with aircraft or through any type of irrigation equipment.

DO NOT apply this product using hand held equipment.

DO NOT apply more than twice a year.

Situation	Pest	Rate per ha	Rate per 100m ²	Critical Comments
Recreational Turf (including bowling greens, golf courses, parks and playing fields), domestic turf and commercial turf farms	Argentine Stem Weevil (<i>Listronotus bonariensis</i>)	750 mL	7.5 mL	Spray evenly over the turf surface at the first sign of pest activity.
	Funnel Ant (<i>Aphaenogaster pythia</i>)	600 mL	6 mL	Ensure incorporation with at least 6 mm of rainfall or overhead irrigation immediately after application.
	Mole Cricket # (<i>Sapteriscus didactylus</i> and <i>Gryllotalpa</i> spp.)	300 mL	3 mL	The most likely application timings are one application in October/November and a further application in January/February. # Domestic Turf: For use by authorised lawn-care specialist only.

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

WITHHOLDING PERIOD

DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.

GENERAL INSTRUCTIONS

Mixing

Prior to pouring, shake container vigorously then add the required quantity of Monarch 100 Insecticide to water in the spray vat while stirring or with agitators in motion.

Application

Apply Monarch 100 Insecticide evenly over the turf surface at the first sign of pest activity. Ensure incorporation with at least 6 mm of rainfall or overhead irrigation immediately after application. Total application volume should not be less than 400 L/ha. Apply with suitable low set boom spray equipment. Avoid conditions when spray drift may occur.

Compatibility

DO NOT mix with products or fertiliser with high salt content, i.e. ferrous sulphate or ammonium sulphate. To avoid hydrolysis Monarch 100 Insecticide needs the spray tank water to be within a pH range of 5 - 7. As formulations of other manufacturers' products are beyond the control of Turf Culture Pty Ltd, all mixtures should be tested prior to mixing commercial quantities, compatibility testing should consist of assessing both; uniformed mixtures (i.e. no separation) and no rapid sediment build up (i.e. no flocculation).

INSECTICIDE RESISTANCE WARNING

GROUP	2B	INSECTICIDE
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For insecticide resistance management Monarch 100 Insecticide is a Group 2B insecticide. Some naturally occurring insect biotypes resistant to Monarch 100 Insecticide and other Group 2B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Monarch 100 Insecticide or other Group 2B insecticides are used repeatedly. The effectiveness of Monarch 100 Insecticide on resistant individuals could be significantly reduced.

Since the occurrence of resistant individuals is difficult to detect prior to use, Turf Culture Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant insects.

Monarch 100 Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier or Turf Culture Pty Ltd representative or local agricultural department agronomist.

PRECAUTIONS

Re-Entry

Public

DO NOT allow public access until the spray has dried.

Workers

DO NOT allow entry into treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

PROTECTION OF LIVESTOCK

DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock. Highly toxic to bees foraging in the crop to be treated or in hives, which are over-sprayed or reached by spray drift. Residues may remain toxic to bees for several days after application.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Triple-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 deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length PVC gloves and goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length PVC gloves. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. *Telephone: Australia 13 11 26.*

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: www.turfculture.com.au

CONDITIONS OF SALE

The use of Monarch 100 Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Turf Culture Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade