

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



Thumper Miticide & Nematicide

Active Constituent: 20 g/L abamectin

For the control of Couch Mite in Couch turf and Nematodes in Turf

GROUP	6	INSECTICIDE
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APVMA Approval No: 63594_54377

Pack Size: 1L, 5L, 20L

DIRECTIONS FOR USE

DO NOT apply if forecast heavy rain or storms are likely to cause runoff.

DO NOT apply by aircraft.

DO NOT apply through any type of irrigation equipment.

DO NOT store a suspension of Turf Culture Thumper Miticide & Nematicide for more than two days, otherwise significant breakdown may occur.

Situation	Pest	Rate	Critical Comments
Turf Couch (Newly sown/planted and established)	Couch Mite	1 L/ha (10 mL/ 100 m ²)	<ul style="list-style-type: none">• Generally Thumper takes approximately 7-10 days to reach maximum mite control.• Good spray coverage is essential. Apply in water volume of 250 – 500 L water per ha (2.5 – 5 L/100m²).• It is important to keep within the water volume range to ensure maximum leaf uptake of Thumper, which will give several weeks residual control. High water volumes may reduce the mite control.• DO NOT use if rainfall is expected before spray has dried as reduced efficacy may result.
Turf	Soil Borne Parasitic Nematodes	5 L/ha (50 mL/ 100 m ²)	<ul style="list-style-type: none">• A second application is required 14 days after the first application.• DO NOT apply to dry soil• Irrigate immediately while leaves are still wet with spray deposit (usually within a few minutes) and apply a minimum of 15 mm of water. Regulate the volume of irrigation to avoid the formation of pools and puddles.• DO NOT irrigate to the point of runoff.• Do not allow spray deposit to dry on leaves before applying irrigation.• Apply in a convenient amount of water.• An addition of a soil penetrant is recommended to ensure an even matrix flow through the soil profile.• Avoid application under windy or very hot and drying conditions.• Good spray coverage is essential; Apply in a convenient amount of water.

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

INTEGRATED PEST MANAGEMENT

Tuff Culture Thumper Miticide & Nematicide may have an adverse effect on non-target beneficial turfgrass invertebrates where such IPM is practiced.

Couch Mite

For Couch Mite control 'Thumper Miticide & Nematicide' is an acaricide with contact and stomach action. Thumper has limited plant systemic activity but exhibits translaminal movement. Thumper is translocated into leaves and remains for several weeks offering residual control of sucking mites.

Soil Borne Parasitic Nematodes

For Soil Borne Parasitic Nematode control 'Thumper Miticide & Nematicide' acts as an anthelmintic compound. Thumper has no systemic activity through plant roots (does not translocate through the roots). To ensure control Thumper must be applied evenly through the soil profile with rainfall/irrigation following an application to achieve contact with the Soil Borne Parasitic Nematodes.

TURF MONITORING

Couch Mite

Effective mite control depends upon regular monitoring of the turf. Check the turf area regularly remembering that mite activity will be first noticed on developing shoots and it is important to protect the new growth.

Soil Borne Parasitic Nematodes

Effective Soil Borne Parasitic Nematode control depends upon regular monitoring of the turf medium soil. Conduct a Nematodes Analysis (Identification and Count of Nematodes) regularly to monitor the Nematodes present and thresholds applicable to your situation.

MIXING

Measure the required amount of Thumper, add to the partly filled spray tank and then add the remainder of the water.

Crop Safety: DO NOT make applications (1) when unusually hot conditions are present or expected within 24 hours after application, (2) under poor or slow drying conditions.

INSECTICIDE RESISTANCE WARNING

GROUP	6	INSECTICIDE
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For insecticide resistance management Turf Culture Thumper is a Group 6 insecticide. Some naturally occurring insect biotypes resistant to Thumper and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Thumper or other Group 6 insecticides are used repeatedly. The effectiveness of Thumper on resistant individuals could be significantly reduced. Since the occurrence of resistant insects is difficult to detect prior to use, Turf Culture Pty Ltd accepts no liability for any losses that may result from the failure of Thumper to control resistant insects. Thumper may be

subject to specific resistance management strategies. For further information contact a Turf Culture representative.

RESISTANCE

Experience has shown that repeated use of one particular miticide or nematicide from the same chemical group can lead to the early development of resistance to that miticide or nematicide chemical group. Therefore Thumper should not be applied in two consecutive seasons without an unrelated chemical being used in between. Alternate Thumper with approved products from other chemical groups. Consult a Turf Culture Pty Ltd representative for advice on chemical groups.

RE-ENTRY PERIODS

Public

DO NOT allow public access until the spray has dried.

Workers

DO NOT undertake occupational re-entry activities on turf treated for the control of couch mite until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves.

DO NOT undertake low exposure occupational re-entry activities such as irrigation and mowing on turf treated for the control of nematodes until the spray has dried. DO NOT undertake high exposure occupational re-entry activities such as transplanting of treated turf for the control of nematodes until 8 days after application, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves.

PROTECTION OF LIVESTOCK

Highly toxic to bees. Will kill bees foraging in or near treated turf or in hives, which are over-sprayed or reached by spray drift. Residues may remain toxic to bees for several days after application.

Do not graze treated turf/lawn or feed turf/lawn clippings from any treated area to poultry or livestock.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift from the target area. DO NOT contaminate streams, rivers, wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT use this container for any other purpose.

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 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

Poisonous if absorbed by skin contact or swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. For space applications wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves, goggles, half face-piece respirator with dust cartridge or canister. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator and if rubber wash with detergent and warm water and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre on Australia 13 11 26. If swallowed, DO NOT induce vomiting. Give a glass of water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes hold eyes open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS), which is available from the supplier or from the manufacturers website:

www.turfculture.com.au

CONDITIONS OF SALE

The use of Turf Culture Thumper Miticide & Nematicide 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.