

Label

POISON

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

CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE

ACTIVE CONSTITUENT: 100g/L BIFENTHRIN

GROUP	3 A	INSECTICIDE
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For the control of a range of pests in Turf and Ornamental plants,
for control of a wide variety of pests in various situations
as specified in the Directions for Use Table

IMPORTANT:
READ THE ATTACHED LEAFLET BEFORE OPENING OR USING

CONTENTS: 1L, 5L, 10L, 20L

Distributed by;



Sherwood Chemicals Australasia Pty Ltd
Level 3, 1060 Hay Street
WEST PERTH 6005
AUSTRALIA
Tel: 08 9219 4683
Fax: 08 9219 4672

SPILLAGE

In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste in accordance with Australian Standard AS2507 – Storage and Handling of Pesticides.

STORAGE 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.

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 swallowed. May 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, a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray wear protective waterproof clothing, gloves and water resistant footwear. After each day's use, wash gloves and contaminated clothing. Wash hands after use.

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 Material Safety Data Sheet (MSDS). Contact Sherwood Chemicals for a copy of the MSDS Tel: 08 9219 4683

CONDITIONS OF SALE

Sherwood Chemicals makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Batch No:

Date of Manufacture:

APVMA Approval No. 65227

Leaflet

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DIRECTIONS FOR USE			
RESTRAINTS:			
<p>DO NOT use this product at less than indicated label rates.</p> <p>DO NOT use in situations where predatory mites are established and providing effective mite control.</p> <p>DO NOT apply if rainfall is expected before spray deposits dry on leaf surfaces.</p> <p>DO NOT apply to soils if excessively wet or immediately prior to or after heavy rain to avoid run-off of the chemical.</p> <p>DO NOT apply to mud, sand, mangrove or aquatic habitat.</p> <p>DO NOT apply as an Ultra Low Volume (ULV) or via thermal fogging treatment.</p> <p>DO NOT apply by aircraft</p>			
SITUATION/CROP	PESTS	RATE	CRITICAL COMMENTS
Internal and External Areas & Surrounds of Domestic, Commercial, Public & Industrial Buildings and Structures	Spiders	25-50mL/10L	Use the higher rate in situations where pest pressure is high when rapid knockdown and/or maximum residual protection is desired. For overall band surface spray, apply as a coarse, low pressure surface spray to areas where spiders hide, frequent and rest. Spray to the point of run-off using around 5 L of spray mixture per 100 m ² and ensuring thorough coverage of the treated surfaces. In an outdoor situation, pay particular attention to protected dark areas such as cracks and crevices, under floors, eaves and other known hiding or resting places. For indoor use pay particular attention to dark protected areas such as cracks and crevices, behind and under sinks, stoves, refrigerators, furniture, pipes, cornices, skirting boards and other known hiding or resting places. DO NOT use as a space spray. For crack and crevice treatment use an appropriate solid stream nozzle. For maximum spider control use a two part treatment. 1. Crack and crevice. 2. Overall band spray of surfaces.
	Papernest Wasps	50mL/10L	Apply prepared emulsion to the point of run-off directly to the papernest ensuring thorough and even coverage. When all adult wasps have been knocked-down the nest may be safely removed from the structure.
Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial Buildings and Structures – suitable for Residual Surface Treatments	Ants (excluding Red Imported Fire Ants), Cockroaches, Mosquitoes, Biting Midges, Flies, Fleas, Ticks (excluding the paralysis tick <i>Ixodes holocyclus</i>) (Adults and Nymphs)	50- 100mL/10 L	To form Residual Surface Treatments, apply prepared emulsion to indoor and outdoor surfaces where insects rest or harbour. Internal harbourage sites include (but are not restricted to) areas such as walls, fly screens, behind and under sinks, under furniture and indoor plants. External harbourage sites include (but are not restricted to) areas such as building exteriors, eaves, walls, fences, also garages, sheds, gazebos, ornamental plants, bushes, shrubs, hedges, shady or damp areas around buildings. Re-apply as necessary. When applying to vegetation, ensure that spray penetrates entire plant or hedge and covers both leaf surfaces. For perimeter or harbourage 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. 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. On non-porous surfaces apply as a coarse spray at the rate of 1 L of emulsion per 20 m 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 1 L 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 maximum residual protection is desired. The lower rate may be used for follow-up treatments. Use of the high rate in situations where pest pressure is high, when rapid knockdown and maximum residual protection is desired. The lower rate may be used for follow-up treatments.
Turf (e.g. lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	Lawn Armyworm (<i>Spodoptera maurita</i>), Sod Webworm (<i>Herpetogramma licarsisalis</i>)	1.2L/ha (12 mL/100 m ²)	Mix in water and apply evenly over the treated area to be treated using spray application equipment. Use a minimum total volume of at least 200 L/ha (2 L/100 m ²). To ensure optimum control irrigate the treated areas with up to 4 mm of water soon after application. Inspect treated areas for continuing activity. Re-apply as required. Where a rate range is indicated use lower rates under low insect pressure and higher rates under higher insect pressure. Apply after mowing to minimise loss of insecticide in clippings.
	Argentine Stem Weevil adults (<i>Listronotus bonariensis</i>)	1.2 to 2.4L/ha (12 to 24 mL/100 m ²)	
	African Black Beetle adults (<i>Heteronychus arator</i>)	2.5 to 3.6L/ha (25 to 36 mL/100 m ²)	
	Billbug adults (<i>Sphenophorus brunnipennis</i>)	1.2 to 2.43L/ha (12 to 24 mL/100 m ²)	
	Black Ant, Coastal Brown Ant, Funnel Ant, Meat Ant, Sugar Ant, Stinging Ant only	1.2 to 4.4L/ha (12 to 44mL/100 m ²)	Mix in water and apply evenly 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 lower rate for maintenance treatments or to control light infestations and the high rate for heavy infestations and maximum residual control. The elimination of Funnel Ants from a particular site will generally require more than one application. Initial applications should be broadcast over affected areas. As the initial numbers of active colonies is reduced applications should shift to targeting active mounds. Apply spray directly to the mound and in the area immediately surrounding active mounds (300 mm radius). To aid in even coverage a minimum spray volume of 200 L/ha (2 L/100 m ²) is recommended.

DIRECTIONS FOR USE continued.

Roses, Carnations and other ornamental plants	Two Spotted Mite (<i>Tetranychus urticae</i>)	28 or 40 mL/100 L	Apply at the first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on a 10-14 day interval. Best results are obtained from preventative rather than curative applications. Where indicated use the higher rate for knockdown of established pest infestations or when longer residual activity is required. Spray to run-off using a spray volume of 1000 – 1500 L/ha (10-15 litres per 100 square metres) covering both leaf surfaces.
	Aphids	20 mL/100 L	
	Caterpillars and Loopers including Heliothis (Corn Earworm, Native Budworm) <i>Helicoverpa</i> spp., Light Brown Apple Moth (<i>Epiphyas postvittana</i>), Geranium Plume Moth (<i>Sphenarches anisodactylus</i>)	20 mL/100 L	Apply at the first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on a 10-14 day interval. Best results are obtained from preventative rather than curative applications. Spray to run-off using a spray volume of 10-15 litres per 100 square metres covering both leaf surfaces.
	Whitefly (<i>Trialeurodes vaporariorum</i>), Ponsettia White Fly (<i>Bemisia tabaci</i> Biotype B)	20-80 mL/100 L	Apply at first sign of pest activity and repeat at 7-10 day intervals, while pest pressure exists. More than three sprays may be required to control an existing infestation. Spray to run-off covering both leaf surfaces. Use the higher rate when pest pressure is high. When conditions favour pest development or when increased residual protection is required.
	Mealy Bug (<i>Pseudococcus longispinus</i>)	20 mL/100 L	Apply at first sign of pest activity and repeat at 7-10 day intervals, while pest pressure exists. Spray to run-off covering both leaf surfaces
	Plague Thrips (<i>Thrips imagines</i> , <i>Thrips simplex</i> , <i>Thrips hawaiiensis</i>)	20mL/100 L	Apply at the first sign of pest activity and repeat at 7-10 day intervals while pest pressure exists. Ensure that flowers and buds are sprayed. Spray to run-off covering both leaf surfaces. When buds are opening rapidly and pest pressure is high reducing the spray interval to 3-4 days will give better results. Monitor the population by regular inspection.
	Cutworm (<i>Agrotis</i> spp.) in beds, containers and pots	1.2 L/ha 12 mL/100 m ² 20 mL/100 L	Spray evenly over the areas to be treated. After application apply approximately 5 mm of sprinkler irrigation. Apply as a drench at the rate of 2 litres of prepared spray per metre of pot area.
Domestic, Public, Commercial & Industrial Areas	Subterranean Termites (All States, except Tas)	Refer to Table A	Refer to Table B.

TABLE A: CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE use rates for management of SUBTERRANEAN TERMITES

SITUATIONS	All areas SOUTH of the Tropic of Capricorn (except Tas)		All areas NORTH of the Tropic Capricorn	
	RATE	Expected Protection Period *	RATE	Expected Protection Period *
Protection of Service Poles & Fence Posts and establishing trees including fruit trees (not to be used on bearing fruit trees)	500mL/100 L	10 years	1.5 L/100 L	Up to 5 years
			1.0 L/100 L	Up to 4 years
			750 mL/100 L	Up to 3 years
Nest Eradication	500 mL/100 L	Not applicable	500 mL/100 L	Not applicable

*The actual protection period will depend on the termite hazard, climate, soil conditions and rate of termiticide used.

TABLE B: CRITICAL COMMENTS for use against SUBTERRANEAN TERMITES

Protection of Service Poles & Fence Posts and establishing trees including fruit trees (not to be used on bearing fruit trees)	<ul style="list-style-type: none"> • Create a continuous termiticide barrier 450 mm deep and 150 mm wide around the pole or post by soil injection or rodding. For new poles and posts, treat backfill and the bottom of the hole. Use 100 L of emulsion per m³ of soil. • Regular inspections should be undertaken to determine when and if treatment is necessary. If disturbance of the barrier has occurred, retreatment of the area affected will be required. • Posts and poles may also be drilled and injected with spray emulsion. • Note: For existing poles and posts, it is impractical to treat the full depth and underneath of such poles and posts and therefore the possibility of future termite attack from below the treated area cannot be ruled out. • For <u>establishing trees</u> create a continuous barrier totally encompassing the root ball of the establishing tree. Application may be made prior to planting by applying emulsion to pre-dug hole or after planting via soil rodding. Roots projecting out of the treated zone may be susceptible to termite attack and may provide entry into the tree without termites contacting treated soil. • CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE is a non-systemic insecticide. DO NOT treat mature trees as it is impossible to provide a complete and continuous barrier under and around all tree roots.
Eradication of Termite Nest	<ul style="list-style-type: none"> • Locate nest and flood with insecticide emulsion. Trees, poles, posts and stumps containing nests may require drilling prior to treatment with termiticide emulsion. The purpose of drilling is to ensure the termiticide emulsion is distributed throughout the entire nest. Drill holes in live trees should be sealed with an appropriate caulking compound after injection.

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

GENERAL INSTRUCTIONS

CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE is a contact and residual insecticide/miticide. 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 CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE is applied before pest populations build up to damaging levels.

Ants, cockroaches, fleas, flies, midges, mosquitos, spiders, ticks, wasps and mosquitoes are controlled by direct contact with the spray and through residual action of the product. Effective sustained control is achieved by residual action as these insects come into contact with treated surfaces.

INSECTICIDE RESISTANCE WARNING

GROUP	3A	INSECTICIDE
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For insecticide resistance management CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE is a Group 3A insecticide.

Some naturally occurring insect biotypes resistant to CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE and other group 3A insecticide may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE or other group 3A insecticides are used repeatedly. The effectiveness of CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sherwood Chemicals accepts no liability for any losses that may result from the failure of CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE to control resistant insects. CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE may be subject to specific resistance management strategies. For further information, contact your local supplier or SHERWOOD CHEMICALS representatives or local agricultural department agronomist.

APPLICATION

CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE is a suspension concentrate requiring dilution with water prior to use. Application can be applied by a variety of application techniques, such as power sprayers, hand-held pump sprayers or backpack sprayers, which are calibrated to deliver appropriate spray volume and a droplet size of 150 to 200 microns to ensure thorough coverage and minimal spray drift. **NOTE:** the product must NOT be applied as a fog or mist using ULV or fogging equipment, which produce small droplets that may result in off-target drift.

MIXING

Add the required quantity of **CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE** to water in the spray tank and mix thoroughly. Maintain agitation during mixing and application.

SURFACTANTS

CHAINDRITE BOUNCER 100SC T & O MULTI-INSECTICIDE contains a surfactant. Additional surfactant may be only necessary on hard to wet plants and in high volume situations.

PRECAUTIONS

DO NOT spray directly on humans, pets or animals. Avoid contact with food, food utensils or preparation surfaces.

RE-ENTRY PERIOD

Re-entry Period for general pest control applications: Ventilate indoor treated areas and allow all areas to completely dry (normally 1-2 hours) before re-occupying. When prior entry is necessary, wear cotton overalls buttoned to the neck, wrist and elbow-length PVC, neoprene or nitrile gloves and chemical resistant footwear. Clothing must be laundered after each day's use.

Re-entry turf and ornamental applications: Do not allow entry into treated areas until the spray deposits have dried or been watered in after treatment. When prior entry is necessary, wear suitable protective clothing (ie. Water-proof boots, overalls and gloves). Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

Dangerous to fish and aquatic organisms. DO NOT contaminate dams, rivers, streams or waterways or drains with product or used containers. DO NOT apply to mud, sand, mangrove or aquatic habitats. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Extreme caution must be used to avoid aquatic contamination. Avoid spraying flowers that attract and harbour bees.

PROTECTION OF PETS AND 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. DO NOT allow re-entry until spray has dried. 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.

SPILLAGE

In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter. Dispose of waste in accordance with Australian Standard AS2507 – Storage and Handling of Pesticides.

STORAGE 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.

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.

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SAFETY DIRECTIONS

Poisonous if swallowed. May 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, a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray wear protective waterproof clothing, gloves and water resistant footwear. After each day's use, wash gloves and contaminated clothing. Wash hands after use.

FIRST AID

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