POISON

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

COUNTRY

Bifenthrin 100 SC

Insecticide

ACTIVE CONSTITUENT: 100 g/L BIFENTHRIN

GROUP 3A INSECTICIDE

For the control of a range of pests in Turf and Ornamental plants. For the control of a range of urban interior and exterior pests, for the control of mosquitoes, biting midges and flies by forming Residual Surface Treatments on a range of urban interior and exterior situations, for protection of structures from subterranean termite damage and for the control of termites, as specified in the Directions for Use Table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

BATCH NO:

DATE OF MANUFACTURE:

Garrards Pty Ltd ABN 74 010 648 325
32 Kenworth Place, Brendale Qld 4500 Ph: (07) 3881 1693

Contents 5 L

COUNTRY BIFENTHRIN 100 SC INSECTICIDE 5L FRONT LABEL
SIZE: 140MM WIDE X 130MM

DATE: 05/12/16
COLOURS: BLACK, RED 193, PINK 5015

COUNTRY

Bifenthrin 100 SC Insecticide

APVMA Approval No.: 67299/107102

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. 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 AS 2507 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 500 mm 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. Dispose of diluted surplus product by using according to the Directions for Use. DO NOT re-use empty container.

SAFETY DIRECTIONS: Poisonous if swallowed. May irritate eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. For termite control in buildings and structures: When opening container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-engths PVC or nitrile gloves. After each day's use, wash gloves and contaminated clothing.For hand held application: When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray wear protective waterproof clothing, elbow-length PVC or nitrile gloves and water resistant footwear. After each day's use, wash gloves, contaminated clothing. Wash hands after use.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET: For further information, refer to the material safety data sheet which is available from Garrards Pty Ltd upon request.

CONDITIONS OF SALE: The use of COUNTRY Bifenthrin 100 SC Insecticide being beyond the control of the manufacturer no warranty expressed or implied is given by Garrards 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 Garrards Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: HAZARD STATEMENTS: Harmful if inhaled. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS: If medical advice is needed, have product container, label or SDS at hand. Do not handle until all safety precautions have been read and understood. Do not breathe mists or spray. Use only outdoors or in a well ventilated area. Wear respiratory protection. If on skin, wash with plenty of soap and water. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call Poisons Information Centre (13 11 26) or a doctor. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call Poisons Information Centre (13 11 26) or a doctor. If exposed or concerned, get medical advice/attention. If skin irritation or rash occurs, get medical advice/attention.

IN A TRANSPORT EMERGENCY

DIAL 000

POLICE OR FIRE BRIGADE

drumMUSTER eligible container

COUNTRY BIFENTHRIN 100 SC INSECTICIDE 5L BACK LABEL
SIZE: 140MM WIDE X 130MM

DATE: 05/12/16
COLOURS: BLACK

COUNTRY

Bifenthrin 100 SC Insecticide

LIFT HERE

APVMA Approval No.: 67299/107102
IMPORTANT: READ THIS LEAFLET BEFORE USE

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IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

drumMUSTER eligible container

BARCODE

COUNTRY BIFENTHRIN 100 SC INSECTICIDE 5L LEAFLET FRONT LABEL
SIZE: 140MM WIDE X 130MM

DATE: 05/12/16
COLOURS: BLACK

POISON

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READ SAFETY DIRECTIONS BEFORE OPENING OR USING



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IMPORTANT: READ THIS BOOKLET BEFORE USE

Garrards Pty Ltd ABN 74 010 648 325
3 Kenworth Place, Brendale Qld 4500 • Ph: (07) 3881 1693

DIRECTIONS FOR USE

RESTRAINTS:
DO NOT use this product at less than indicated label rates.
DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid run-off of the chemical.
DO NOT use in cavity walls (except via certified cavity infill reticulation systems or direct treatment of nest).
DO NOT apply to mud, sand, mangrove or aquatic habitat.
DO NOT apply as an Ultra Low Volume (ULV) or via thermal fogging treatment.
DO NOT use in situations where predatory mites are established and providing effective mite control.
DO NOT apply if rainfall is expected before spray deposits dry on leaf surfaces.

CROP	PEST	RATE	CRITICAL COMMENTS
Roses, Carnations & other ornamental plants	Two Spotted Mite (*Tetranychus urticae*)	30 or 40 mL/100L	Apply at first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on 10-14 day interval. Best results are obtained from preventative rather than curative applications. Where indicated, use the higher dosage 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.
	Aphids	20 mL/100L	
	Caterpillars and Loopers including Heliothis (Corn EarWorm, Native Budworm), *Helicoverpa* spp., Light Brown Apple Moth (*Epiphyas postvittana*), Geranium Plume Moth (*Sphenarches anisodactylus*)	20 mL/100L	Apply at first sign of pest infestation and before pest populations build up to damaging levels. Repeat as necessary on 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 (*Trialeurodes vaporarioum*), Pointsettia White Fly (*Bemisia tabaci* Biotype B)	20-80 mL/100L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. 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 (*Pseudococcus longispinus*)	20 mL/100L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Spray to run-off covering both leaf surfaces.

CROP	PEST	RATE	CRITICAL COMMENTS
Roses, Carnations & other ornamental plants *– continued*	Plague Thrips (*Thrips imagines*, *T. simplex* and *T. hawaiiensis*)	20 mL/100L	Apply at first sign of pest activity and repeat at intervals of 7-10 days while pest pressure persists. Ensure that flowers and buds are sprayed. Spray to run-off.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 (*Agrotis* spp.) in beds, containers and pots	1.2 L/ha 12 mL/100 square meters	Spray evenly over the area to be treated. After application apply approximately 5 mm of sprinkler irrigation.
		20 mL/100L	Apply as a drench at the rate of 2 litres of prepared spray per square metre of pot area.
Turf (eg. Lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	Lawn Armyworm (*Spodoptera maurita*), Sod Webworm (*Heptetogramma licarsisalis*)	1.2 L/ha (12 mL/100m^2)	Mix Country Bifenthrin 100 SC Insecticide in water and apply evenly over the area to be treated using spray application equipment. Use a minimum total volume of at least 200 L/ha (2 L/100m^2). To ensure optimum control, irrigate the treated area with up to 4 mm 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.
	Argentine Stem Weevil adults (*Listronotus bonariensis*)	1.2-2.4 L/ha	
	African Black Beetle adults (*Heteronychus arator*)	2.5-3.6 L/ha	
	Billbug adults (*Sphenophorus brunnipnnis*)	1.2-2.43 L/ha (12-24 mL/100m^2)	
	Black Ant, Coastal Brown Ant, Funnel Ant, Meat Ant, Sugar Ant and Stinging Ant only	1.2 - 4.4 L/ha (12-44 mL/100m^2)	Mix Country Bifenthrin 100 SC Insecticide 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 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 broadcast 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). To aid in even coverage a minimum spray volume of 200 L/ha (2 L/100m^2) is recommended.

PEST	SITUATIONS	STATE	RATE	CRITICAL COMMENTS
Spiders	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	25-50 mL/10 L	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 spray to areas where spiders hide, frequent and rest. On non-porous surfaces apply as a coarse spray at the rate of 1 L of emulsion per 20 m^2 ensuring thorough coverage of the treated surfaces. 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 ensuring thorough coverage of the treated surfaces. When treating porous surfaces do not exceed the point of run-off. In an outdoor situations, 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 protected dark areas such as crack and crevices, behind & 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	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	50 mL/ 10 L	Apply prepared emulsion to the papernest ensuring thorough and even coverage. When applying emulsion do not exeed the point of run-off. When all adult wasps have been knocked-down the nest may be safely removed from the structure.

PEST	SITUATIONS	STATE	RATE	CRITICAL COMMENTS
Ants (excluding Red Imported Fire Ants) and Cockroaches	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures	All States	50-100 mL/ 10 L	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/or maximum residual protection is desired. The lower rate may be used for follow-up treatments. For indoor use, pay particular attention to protected dark areas such as cracks and crevices, behind and under sinks, stoves, refrigerators, furniture, pipes, cornices, skirting boards & other known hiding or resting places. DO NOT use as a space spray. 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 meters 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. When applying to concealed areas (eg such as wall cavities), foaming agents are useful in achieving greater penetration where a thorough application is difficult to achieve.

PEST	SITUATIONS	STATE	RATE	CRITICAL COMMENTS
Mosquitoes, Biting midges, Fleas, Flies, Ticks (Adults & Nymphs)	Internal & External Areas & Surrounds of Domestic, Commercial, Public & Industrial buildings and structures suitable for residual surface treatments	All States	50-100 mL/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. Reapply 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 orangic matter is present or foliage is dense. 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 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. When applying to concealed areas (eg such as wall cavities), foaming agents are useful in achieving greater penetration where a thorough application is difficult to achieve.
Subterranean Termites	Domestic, Public, Commercial & Industrial areas	All States, except Tas	Refer to Table A	Refer to Table B.

TABLE A: COUNTRY Bifenthrin 100 SC Insecticide use rates for control of SUBTERRANEAN TERMITES		
SITUATIONS	**All areas SOUTH of the Tropic of Capricorn (except Tas.)**	
	Rate	**Expected Protection Period**
Pre-Construction Barriers Under slabs and under suspended floors with less than 400 mm crawl space	1 L/100 L	At least 10 years
	500 mL/100 L	10 years
Perimeter Barriers For new and existing buildings	1 L/100 L	At least 10 years
	500 mL/100 L	10 years
	250 mL/100 L	3 years
Post-Construction Barriers Under slabs and under suspended floors with less than 400 mm crawl space	1 L/100 L	At least 10 years
	500 mL/100 L	10 years
Reticulation systems Perimeter and/or service penetration treatment only	1 L/100 L	At least 10 years
	500 mL/100 L	10 years
	250 mL/100 L	3 years
Reticulation systems Cavity infill & footing barriers	500 mL/100 L	5 years
Protection of Poles & Fence Posts	500 mL/100 L	10 years
Nest Eradication	500 mL/100 L	Not applicable

TABLE A: COUNTRY Bifenthrin 100 SC Insecticide use rates for control of SUBTERRANEAN TERMITES – continued

SITUATIONS	All areas NORTH of the Tropic of Capricorn	
	Rate	Expected Protection Period
Pre-Construction Barriers Under slabs and under suspended floors with less than 400 mm crawl space	1.5 L/100 L	5 years
	1 L/100 L (Note 1)	4 years
	750 mL/100 L (Note 1)	3 years
	500 mL/100 L (Note 1)	2 years
Perimeter Barriers For new and existing buildings	1.5 L/100 L	5 years
	1 L/100 L	4 years
	750 mL/100 L	3 years
	500 mL/100 L	2 years
Post-Construction Barriers Under slabs and under suspended floors with less than 400 mm crawl space	1.5 L/100 L	5 years
	1 L/100 L	4 years
	750 mL/100 L	3 years
	500 mL/100 L	2 years
Reticulation Systems Perimeter and/or service penetration treatment only	1.5 L/100 L	5 years
	1 L/100 L	4 years
	750 mL/100 L	3 years
	500 mL/100 L	2 years
Reticulation systems Cavity infill & footing barriers	1 L/100 L	2 years
Protection of Poles & Fence Posts	1.5 L/100 L	5 years
	1 L/100 L	4 years
	750 mL/100 L	3 years
Nest Eradication	500 mL/100 L	Not applicable

Note 1: This rate must be used in conjunction with a certified reticulation system that is capable of distributing the water based Termiticide & Insecticide emulsion according to the product label and the Australian Standard AS 3660 Series.

*** The need for retreatment is to be determined as a result of at least an annual inspection, or more frequently in high risk areas, by a qualified Pest Control Operator. 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	
SITUATIONS	**CRITICAL COMMENTS**
Pre-Construction Barriers Under Slabs for protection of new buildings	• Apply with suitable application equipment to form a complete and continuous chemical barrier (both vertical and horizontal) under the slab. The formation of the barrier may require a combination of conventional open wand application and soil trenching and/or rodding applications. Recommended rod spacing should be between 150 and 300 mm, as per soil type. For additional information refer to "CRITICAL APPLICATION DETAILS" on this label and the Australian Standard AS 3660 Series. • An external perimeter barrier (both horizontal and vertical) is an essential part of termite protection and must be installed at the completion of the building. Refer to "Perimeter Barriers" below for further details. • Chemical barriers that have been disturbed by construction, excavation and/or landscaping activities will need to be reapplied to restore continuity of the barrier.
Pre-Construction Barriers Under suspended floors	• For areas beneath suspended floors that have inadequate access (e.g. less than 400 mm clearance), the entire sub-floor area should be treated as a continuous horizontal barrier, which completely abuts an internal vertical barrier around any substructure walls. Ideally, this operation should be done during construction of the building while access is more readily available. • For areas beneath suspended floors which have adequate access (e.g. more than 400 mm clearance), install perimeter barriers around each individual pier, stump, service penetration and substructure walls. • An external perimeter barrier (both horizontal and vertical) is an essential part of termite protection and must be installed at the completion of the building. Refer to "Perimeter Barriers" in this leaflet, for further details.
Perimeter Barriers For new and existing buildings	• Perimeter barriers (both horizontal and vertical, external and where required, internal or sub-floor) are an essential part of termite protection and must be installed at the completion of the building. Perimeter barriers should be installed around slabs, piers, substructure walls and external penetration points. • Apply with suitable application equipment to form a continuous chemical barrier (both vertical and horizontal) around the structure and to a depth reaching to 80 mm below the top of the footings, where appropriate. The formation of the barrier may require a combination of several application techniques, including soil trenching and/or rodding and open wand applications. • In some cases the use of wetting agents or foaming agents may be useful in overcoming non-wetting soils or getting a more even application in areas of difficult access of soil subsidence. • Chemical barriers that have been disturbed by construction, excavation and/or landscaping activities will need to be reapplied to restore continuity of the barrier.
Post-Construction Barrier Treatments For the protection of existing buildings	• Apply with suitable application equipment to form a continuous chemical barrier (both vertical and horizontal) around and under the structure with particular emphasis on known infestation areas. The formation of the barrier may require a combination of several application techniques, including soil rodding, trenching, open wand applications and sub-slab injections. • Chemical barriers beneath concrete slabs and paths will require concrete drilling. Recommended drill hole spacings are between 150 and 300 mm. To enhance soil distribution use a lateral dispersion tip on the injector and up to 10 L of emulsion per linear metre. To ensure formation of a continuous barrier, holes should be drilled no more than 150 mm from walls or expansion joints. • For areas beneath suspended floors that have inadequate access (e.g. less than 400 mm clearance), the entire sub-floor area should be treated as a continuous horizontal barrier, which completely abuts an internal vertical barrier around any substructure walls. Otherwise, install perimeter barriers around each individual pier, stump, penetration point and substructure walls. • In some cases the use of wetting agents or foaming agents may be useful in overcoming non-wetting soils or getting a more even application in areas of difficult access of soil subsidence. • Chemical barriers that have been disturbed by construction, excavation and/or landscaping activities will need to be reapplied to restore continuity of the barrier.

TABLE B: CRITICAL COMMENTS for use against SUBTERRANEAN TERMITES – continued	
SITUATIONS	**CRITICAL COMMENTS**
Reticulation Systems Perimeter and/ or service penetration treatment only	• COUNTRY Bifenthrin 100 SC Insecticide must be used through a certified reticulation system to form and replenish perimeter barriers around buildings and service penetrations. The system must be installed according to the manufacturer's specifications and be capable of distributing the termiticide emulsion according to the product label and the Australian Standard AS 3660 Series. • Perimeter barriers consist of a horizontal barrier abutting a vertical barrier, which must reach down to the top of the footings. • Delivery pipes must be placed in such a position to ensure that the requirements for both horizontal and vertical barriers as specified in the Australian Standard AS 3660 Series are met. Special attention must also be afforded to the positioning of the delivery pipes to ensure that the resultant termiticidal barriers are continuous and complete. • Apply the prepared termiticide emulsion by pumping through the system according to the manufacturer's specifications. Use a minimum delivery volume of 100 L of emulsion per m^3 of soil. This equates to a delivery volume of 5 L of emulsion per linear metre for a vertical barrier 300 mm x 150 mm in dimension. • **Pre-Construction – For use in conjunction with full soil treatment horizontal barriers only:** apply the diluted emulsion through the perimeter reticulation system as specified above. Follow instructions for Pre-Construction horizontal barrier formation.
Reticulation Systems Cavity infill & footing barriers	• COUNTRY Bifenthrin 100 SC Insecticide must be used through a certified reticulation system to form and replenish cavity infill and footing barriers. The system must be installed according to the manufacturer's specifications and be capable of distributing the termiticide emulsion according to the product label and the Australian Standard AS 3660 Series. • Delivery pipes must be placed in such a position to ensure that the requirements for both horizontal and vertical barriers as specified in the Australian Standard AS 3660 Series are met. Special attention must also be afforded to the positioning of the delivery pipes to ensure that the resultant termiticidal barriers are continuous and complete. • Apply the prepared termiticide emulsion by pumping through the system according to the manufacturer's specifications with a delivery volume of 2 L of emulsion per linear meter of delivery pipe. • **Note: Where this system is to be installed at the pre-construction stage, a full under slab pre-construction barrier, applied by either open wand application or suitably certified reticulation system, is also recommended.** • The recommended rate of application is 2 L of emulsion per linear metre which equates to 2 L of emulsion per 0.0068 m^3 or approximately 7 L of sand. Should the volume of fill in the wall cavity deviate from 7 L (0.17 m x 0.04 m x 1 m = 0.0068 m^3) per linear metre of wall cavity, then the amount of COUNTRY Bifenthrin 100 SC Insecticide emulsion applied per linear metre of wall cavity should be adjusted accordingly. As a guide, the target bifenthrin loading of treated sand/soil in a cavity infill situation is 110 mg/kg South of the Tropic of Capricorn and 220 mg/kg North of the Tropic of Capricorn. • To facilitate more even distribution of the COUNTRY Bifenthrin 100 SC Insecticide emulsion in the wall cavity, ensure that the fill is evenly compacted at the time of installation. To further enhance distribution saturation of the sand/soil in the infill is recommended at the time of treatment.

TABLE B: CRITICAL COMMENTS for use against SUBTERRANEAN TERMITES – continued	
SITUATIONS	**CRITICAL COMMENTS**
Protection of Service Poles and Fence Posts	• 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 m^3 of soil . • Regular inspections should be undertaken to determine when and if retreatment 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 solution. • **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.**
Eradication of Termite Nest	• 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. • In some cases the use of foaming agents may be useful in achieving greater application in nests where access is difficult.

Note: The termiticide barrier provided by this product has a finite life. This together with the recommendation to undertake annual inspections must be stated on the durable notice required by the BCA, B1.3(j)(ii).

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

GENERAL INSTRUCTIONS

General Pest Control – COUNTRY Bifenthrin 100 SC Insecticide is a powerful knockdown and residual pesticide. Ants, cockroaches, biting midges, fleas, flies, mosquitoes, spiders, ticks and wasps are controlled by direct contact with spray and also by residual action as they come into contact with treated surfaces.

Termites – The use of COUNTRY Bifenthrin 100 SC Insecticide will help prevent and control subterranean termite infestations in and around buildings and structures when used in accordance with the Australian Standard AS 3660 Series, Termite Management. A dilute termiticidal emulsion must be adequately dispersed into the soil to establish a barrier between the building and subterranean termites in the soil. The purpose of a termite barrier is to prevent concealed termite entry into the building.
The biology and behaviour of the termite species involved, should be considered by the Pest Control Operator in determining which control measures are most appropriate to control and prevent termite infestation.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management COUNTRY Bifenthrin 100 SC Insecticide is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to COUNTRY Bifenthrin 100 SC 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 COUNTRY Bifenthrin 100 SC Insecticide or other Group 3A insecticides are used repeatedly. The effectiveness of COUNTRY Bifenthrin 100 SC Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Garrards Pty Ltd accepts no liability for any losses that may result from the failure of COUNTRY Bifenthrin 100 SC Insecticide to control resistant insects.
COUNTRY Bifenthrin 100 SC Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier, Garrards Pty Ltd representative or local agricultural department agronomist.

GROUP 3A INSECTICIDE

MIXING

Add the required quantity of COUNTRY Bifenthrin 100 SC Insecticide to water in the spray tank and mix thoroughly. Maintain agitation during both mixing and application. To facilitate even application of the termiticide emulsion over the area to be treated, the addition of a marker dye at label rates is recommended. On hard to wet soils, the penetration of the termiticide emulsion may be improved by the addition of a soil surfactant at label rates.

CRITICAL APPLICATION DETAILS

The application of COUNTRY Bifenthrin 100 SC Insecticide to form both horizontal and vertical chemical barriers must be in accordance with the Australian Standard AS 3660 Series.
For treatment of new and existing buildings, both horizontal and vertical barriers may be required around and under the building. External perimeter barriers and where required, internal perimeter barriers, are an essential part of this treatment. The purpose of a chemical termite soil barrier is to provide a continuous, no gap barrier between the building and the termite colony. It is therefore essential that the Pest Control Operator is familiar with the construction details of the building. For further details, refer to the "Horizontal Barrier Treatments" and Vertical Barrier Treatments" statements in this leaflet and to the Australian Standard AS 3660 Series.

Horizontal Barrier Treatments

Use 5 L of emulsion per m^2 of soil. Apply the termiticide emulsion evenly to the soil surface area to ensure the provision of a continuous barrier with no gaps.
To minimise drift, use low pressure, high volume spray equipment delivering large coarse droplets. On impervious soils where the application of 5 L/m^2 would cause excessive run-off, the application volume may

be reduced provided the concentration of the emulsion is increased by a corresponding amount. The volume of applied concentrate must be constant per square metre, depending on the location and the situation. DO NOT apply emulsion volumes below 2 L/m^2.
In situations where the soil surface is very dry and conditions are conducive to rapid drying, the area to be treated should be moistened prior to the termiticide application. It is important to note that when applying a horizontal barrier to the perimeter of a building or structure the chemical barrier is deemed to have a depth of 80 mm. In situations where the emulsion will not readily wet the soil to the required depth, loosen soil to a depth of 80 mm by 150 mm wide and apply 1.5 L of emulsion per lineal metre.

Vertical Barrier Treatments

To install a vertical barrier use a minimum of 100 L of emulsion per m^3 of Soil. Vertical barriers must be a minimum of 150 mm wide, extend down to 80 mm below the top of the footing and be complete and continuous. Vertical barriers can be installed by trenching and treating the soil as it is backfilled, by soil rodding or by the use of certified reticulation systems, as described in the Australian Standard AS 3660 Series. The preferred method of installing a vertical barrier treatment is either by trenching and treating the soil as it is backfilled or by delivery via a certified reticulation system. When using the soil rodding method to establish a vertical barrier the distance between rod spacings should be as per the following table. To improve soil penetration, the soil should be loosened to a depth of 150 mm.

Soil Type	Rod spacing (mm)
Heavy clay	150
Clay loams	200
Loams	250
Sands	300

In some cases the use of a wetting agents or foaming agents may be useful in overcoming non-wetting soils or getting a more even application in areas of difficult access or soil subsidence.

Perimeter Barrier Treatments

Perimeter barriers consist of horizontal barriers at least 150 mm wide adjoining a vertical barrier of at least 150 mm in width. A perimeter barrier must completely surround all buildings, pipes, piers and service penetrations. In buildings with suspended floors with greater than 400 mm crawl space, perimeter barriers should be installed to surround piers, stumps and service penetrations and completely abut all substructure walls. To ensure provision of a continuous barrier use a minimum of 100 L of emulsion per m^3 of soil. This equates to a delivery volume of 5 L of emulsion per linear metre for a 300 mm vertical barrier, or 10 L of emulsion per linear metre for a 600 mm vertical barrier. In some cases the use of wetting agents or foaming agents may be useful in overcoming non-wetting soils or getting a more even application in areas of difficult access or soil subsidence.
Termites may gain access behind engaged piers against single brick walls unless the soil is treated on both sides of the wall down to the footing.

Post Construction Under Slab Treatments

For concrete slabs, the emulsion needs to be injected through pre-drilled holes through the slab, at intervals between 150 mm and 300 mm. The following table shows the recommended hole spacing and recommended volume of spray solution required per hole, depending on the soil type.

Soil Type	Hole spacing (mm)	Litres per hole
Heavy clay	150	1.5
Clay loams	200	2
Loams	250	2.5
Sands	300	3

Application equipment used to inject COUNTRY Bifenthrin 100 SC Insecticide through pre-drilled holes in an interior situation must be in good working order, free of any leaks and the injector must have tip shut off to prevent nozzle dripping. Lateral dispersion tips are recommended. Drill holes must be resealed following injection of the COUNTRY Bifenthrin 100 SC Insecticide emulsion. The decision and/or need for drilling concrete floor slabs should only be made after a thorough inspection of the building. The degree of termite activity should also be taken into consideration.

Treatment in Conjunction with Physical Barriers
In situations where the termite protection system is to consist of a combination of both physical and chemical barriers, each certified system must be installed according to the relevant and appropriate product specification and the Australian Standard AS 3660 Series.

Reticulation Systems
COUNTRY Bifenthrin 100 SC Insecticide can be used through reticulation systems to form horizontal and vertical barriers under and around structures and all service penetrations. The reticulation system must be certified and be capable of distributing the termiticide emulsion according to the product label and the Australian Standard AS 3660 Series.
In situations using reticulation systems to form barriers around the perimeter and/or service penetrations only, a full pre-construction soil applied COUNTRY Bifenthrin 100 SC Insecticide horizontal barrier is recommended. It is the responsibility of the builder and all relevant sub-contractors to ensure that all termite barrier systems are installed in accordance with the relevant product installation directions and the Australian Standard AS 3660 Series.

Service Requirements
Service requirements are to be determined as a result of at least an annual inspection by a licensed Pest Control Operator. More frequent inspections may be required in high risk termite areas.

In determining the need for service, factors such as local termite pressure, breaches of the barrier and termiticide longevity should be considered.
Subterranean termites are on occasions capable of bridging termite barriers and therefore regular inspections, as detailed in the Australian Standard AS 4349.3, will significantly increase the probability of detection of termite activity before any damage or costly repairs are required.
Several factors contribute to longevity of the termite treatment and must be considered when evaluating the need for retreatment. The actual protection period will depend on the termite hazard, climate, soil conditions and rate of termiticide used. Refer to Table A for the expected protection periods provided.

PRECAUTIONS AND RE-ENTRY PERIOD
DO NOT use as a space spray. DO NOT spray directly on humans, pets or animals. Avoid contact with food, food utensils or preparation surfaces.

Re-Entry Period – Pre-Construction Re-entry: DO NOT allow entry into uncovered treated areas until the spray has dried. 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.

Post-Construction and General Pest Control: Allow treated areas to completely dry (normally 3-4 hours) and ventilate buildings before re-occupying. Workers re-entry to treated areas should be restricted until the spray has dried. 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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND THE ENVIRONMENT
Dangerous to fish and aquatic organisms. DO NOT contaminate dams, rivers, streams, waterways or drains with product or the used container.

PROTECTION OF PETS AND LIVESTOCK: DO NOT spray directly on humans, pets or animals. Before spraying, remove animals and pets from the areas to be treated. Cover or remove fish ponds, aquariums etc before spraying. Avoid contact with food, utensils or preparation surfaces. Cover or remove any open food and water containers. 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.

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. 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 the Australian Standard AS 2507 Storage and Handling of Pesticides. DO NOT allow spilled product to enter sewers, drains, creeks or any other waterways. The method of disposal of the container depends on the container type. Read the "Storage and Disposal" instructions on the label that is attached to the container.

SAFETY DIRECTIONS: Poisonous if swallowed. May irritate eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin.
For termite control in buildings and structures: When opening container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-engths PVC or nitrile gloves. After each day's use, wash gloves and contaminated clothing.
For hand held application: When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC or nitrile gloves. When using the prepared spray wear protective waterproof clothing, elbow-length PVC or nitrile gloves and water resistant footwear. After each day's use, wash gloves, contaminated clothing. Wash hands after use.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET: For further information, refer to the material safety data sheet which is available from Garrards Pty Ltd upon request.

CONDITIONS OF SALE: The use of COUNTRY Bifenthrin 100 SC Insecticide being beyond the control of the manufacturer no warranty expressed or implied is given by Garrards 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 Garrards Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: HAZARD STATEMENTS: Harmful if inhaled. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS: If medical advice is needed, have product container, label or SDS at hand. Do not handle until all safety precautions have been read and understood. Do not breathe mists or spray. Use only outdoors or in a well ventilated area. Wear respiratory protection. If on skin, wash with plenty of soap and water. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call Poisons Information Centre (13 11 26) or a doctor. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call Poisons Information Centre (13 11 26) or a doctor. If exposed or concerned, get medical advice/attention. If skin irritation or rash occurs, get medical advice/attention.

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