



## EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides



### High Quality Packs.

### “State-of-the-art” long-term control for major insect pests of Public Health and Economic Importance!

EnviroMax® Technologies Pty Ltd., in association with the regions leading formulation experts, has developed this unique, water-based, bifenthrin, suspension concentrate formulation – of the highest quality standards!

### EnviroMax® Bifenthrin 80SC – Powerful, residual, odourless performance, for indoor and outdoor applications.

Binds strongly to treated soil – Australia's most persistent termiticide! (Please see label).

APVMA Approval Number: 63650 (Professional)  
APVMA Approval Number: 63974 (Residual)

**Australasia's most useful formulations!**

# Product Details

FEATURE	BENEFIT
The active ingredient Bifenthrin (80 g/L), is a synthetic pyrethroid which has been engineered for broad spectrum, fast knock-down, residual activity.	This superior, broad-label formulation, provides a comprehensive, long-term answer, to all your insect control needs.
This exceptional formulation is water based, and odourless. No hydrocarbon solvents!	EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides can be used indoors and outdoors, with no concern for smell, or staining.
Using a specialized milling technique, uniform, micron-sized bifenthrin particles are produced for suspension in this aqueous formulation.	The formulation method has resulted in a product which provides superior coating of treated surfaces, and increased insect-bifenthrin contact.
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are non-allergenic and non-sensitizing.	Technicians and customers are less likely to experience skin irritation and allergic responses associated with other insecticide formulations.
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides bind strongly to treated surfaces and are highly stable in sunlight.	EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are rainfast, and resists degradation by sunlight and heat – even under the most extreme conditions!
These characteristics make EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides ideal for applications against a wide range of pests of public health importance, including mosquitoes, ticks, ants, spiders, cockroaches and termites.	One pack does it all – replace your outdated formulations!
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are approved for both pre-construction and post-construction termite management. The formulation kills and repels termites.	Your total termite management solution, which provides the longest protection period available!
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides provide effective external and internal residual surface treatments against mosquitoes, biting midges, sandflies.	Pest management and vector control technicians are applying EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide residual barrier treatments. This method provides significant reduction (>90%) in mosquito and sandfly numbers for up to 8 weeks.
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are suitable for applications by hand held or knapsack sprayers, motorized air blowers, and machine mounted spray equipment.	This water based formulation is suitable for application via a wide range of delivery methods, and will not corrode equipment.
EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are formulated with only the highest quality ingredients, and manufactured according to the highest international quality control standards.	A EnviroMax® Bifenthrin 80SC Professional & Residual Insecticides are quality formulations which ensure performance! Result – Satisfied customers!

## General Household Pests

Pest species range controlled by EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide formulations.

PEST	SITUATION	RATE
Mosquitoes, Biting Midges, Flies, Fleas, Cockroaches, Ants (excluding Red Imported Fire Ants), Ticks (excluding the paralysis tick <i>Ixodes holocyclus</i> ) (Adults & Nymphs)	Internal & external areas & surrounds of domestic, commercial, public & industrial buildings and structures – Suitable for residual surface treatments.	65-125 mL / 10 L
Spiders	Internal & external areas & surrounds of domestic, commercial, public & industrial buildings and structures.	30-65 mL / 10 L
Papernest Wasps	Internal & external areas & surrounds of domestic, commercial, public & industrial buildings and structures.	65 mL / 10 L
Subterranean Termites	Domestic, public, commercial & industrial areas.	Refer to Table A

Table A: EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide use rates and protection period for SUBTERRANEAN TERMITES

SITUATION	ALL AREAS SOUTH OF THE TROPIC OF CAPRICORN (EXCEPT TAS)		ALL AREAS NORTH OF THE TROPIC OF CAPRICORN	
	RATE	EXPECTED PROTECTION PERIOD	RATE	EXPECTED PROTECTION PERIOD
<b>Pre-Construction Barriers</b> Under slabs and under suspended floors with less than 400 mm crawl space.	1.25 L / 100 L	At least 10 years	1.9 L / 100 L	5 years
			1.25 L / 100 L	4 years
	625 mL / 100 L	10 years	950 mL / 100 L	3 years
			625 mL / 100 L	2 years
<b>Perimeter Barriers</b> For new and existing buildings.	1.25 L / 100 L	At least 10 years	1.9 L / 100 L	5 years
	625 mL / 100 L	10 years	1.25 L / 100 L	4 years
	320 mL / 100 L	3 years	950 mL / L	3 years
			650 mL / L	2 years
<b>Post-Construction Barriers</b> Under slabs and under suspended floors with less than 400 mm crawl space.	1.26 L / 100 L	At least 10 years	1.9 L / 100 L	5 years
			1.25 L / 100 L	4 years
	625 mL / 100 L	10 years	950 mL / L	3 years
			650 mL / L	2 years
<b>Reticulation Systems</b> Perimeter and/or service penetration treatment only.	1.25 L / 100 L	At least 10 years	1.9 L / 100 L	5 years
	625 mL / 100 L	10 years	1.25 L / 100 L	4 years
	320 mL / 100 L	3 years	950 mL / L	3 years
			650 mL / L	2 years

# Table A: EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide use rates and protection period for SUBTERRANEAN TERMITES

SITUATION	ALL AREAS SOUTH OF THE TROPIC OF CAPRICORN (EXCEPT TAS)		ALL AREAS NORTH OF THE TROPIC OF CAPRICORN	
	RATE	EXPECTED PROTECTION PERIOD	RATE	EXPECTED PROTECTION PERIOD
Reticulation Systems Cavity infill and footing barriers.	625 mL / 100 L	5 years	1.25 L / 100 L	5 years
Protection of Poles and Fences Posts and establishing trees.	625 mL / 100 L	10 years	1.9 L / 100 L	5 years
			1.25 L / 100 L	4 years
			950 mL / 100 L	3 years
Nest Eradication.	625 mL / 100 L	Not applicable	625 mL / 100 L	Not applicable

## Timber

EnviroMax® Technologies Pty Ltd. unique formulation method has resulted in a State-of-the-Art Product for total H1 and H2 Timber Treatments.

PEST	SITUATION	STATE	RATE
Softwood Particle and Strand based boards in Hazard Class H2	All termites (including <i>Mastotermes darwiniensis</i> & <i>Coptotermes acinaciformis</i> ) & timber beetles.	All states	0.70 mL / kg of dry fibre
Treatment of 2.5 mm softwood veneer plywood and LVL in Hazard Class H2	All termites excluding ( <i>Mastotermes darwiniensis</i> ).	All areas South of the Tropic of Capricorn	310 mL / m³ in the glue line
Treatment of 2.5 mm softwood veneer plywood and LVL in Hazard Class H2	All termites.	All areas	625 mL / m³ in the glue line and faces treated to 0.003% mass/mass
Treatment of 3.2 mm softwood veneer plywood and LVL in Hazard Class H2	All termites excluding ( <i>Mastotermes darwiniensis</i> ).	All areas South of the Tropic of Capricorn	310 mL / m³ in the glue line

## Crops and Ornamentals

Protect your valuable Crops and Ornamentals with EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide formulations.

PEST	SITUATION	STATE	RATE
Apples	Apple Dimpling Bug ( <i>Campylomma liebknehti</i> ), Plague Thrips (Thrips imagines).	All states	0.70 mL / kg of dry fibre
Bananas	Banana Scab moth ( <i>Nacoleia ostasema</i> ).	Qld only	250 mL / 100 L
	Flower Thrips ( <i>Thrips florum</i> ).	Qld, NSW only	
Pears	Two Spotted Mite ( <i>Tetranychus urticae</i> ), Pear Looper, Longtailed Mealy Bug (crawlers), Light Brown Apple Moth, Coddling Moth.	Vic only	50 mL / 100 L
Roses, Carnations and other ornamental plants	Two Spotted Mite ( <i>Tetranychus urticae</i> ).	All States	35 or 50 mL / 100 L
	Aphids.		25 mL / 100 L
	Caterpillars and Loopers including Heliothis (Corn Earworm, Native Budworm) Helicoverpa spp., Light Brown Apple Moth ( <i>Epiphyas postvittana</i> ), Geranium Plume Moth ( <i>Sphenarches anisodactylus</i> ).		25 mL / 100 L
	Whitefly ( <i>Trialeurodes vaporariorum</i> ), Ponsettia White Fly ( <i>Bemisia tabaci Biotype B</i> ).		25 mL / 100 L
	Mealy Bug ( <i>Pseudococcus longispinus</i> ).		25 mL / 100 L
	Plague Thrips ( <i>Thrips imagines</i> , <i>Thrips simplex</i> , <i>Thrips hawaiiensis</i> ).		25 mL / 100 L
	Cutworm ( <i>Agrotis</i> spp.) in beds, containers and pots.		1.5 L / ha 15 mL / 100 square metres 25 mL / 100 L

Note: This table is for reference only. When using EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide please refer to the registered label.

Protect your valuable Turf with EnviroMax® Bifenthrin 80SC Professional & Residual Insecticide formulations.

PEST	SITUATION	RATE	CRITICAL COMMENTS
Lawn Armyworm ( <i>Spodoptera maurita</i> ), Sod Webworm ( <i>Herpetogramma licarsialis</i> )	Turf (eg lawns, commercial turf farms, parks, recreational areas, bowling greens, sports fields)	1.5 L / ha (15 mL / 100 m <sup>2</sup> )	Mix 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/100 m). 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> )		1.5 to 3 L / ha (15 to 30 mL / 100 m <sup>2</sup> )	
African Black Beetle adults ( <i>Heteronychus arator</i> )		3.0 to 4.5 L / ha (30 to 45 mL / 100 m <sup>2</sup> )	
Billbug adults ( <i>Sphenophorus brunnipennis</i> )		1.5 to 3 L / ha (15 to 30 mL/100 m <sup>2</sup> )	
Black Ant, Coastal Brown Ant, Funnel Ant, Meat Ant, Sugar Ant, Stinging Ant only		1.5 to 5.5 L / ha (15 to 55 mL / 100 m <sup>2</sup> )	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 <sup>2</sup> ) is recommended.

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