



EnviroMax® Permethrin 500EC Residual Insecticide



APVMA Approval Number: 63598



High Quality Packs.

For control of insect pests of public health, domestic and commercial importance.

UNIQUE FEATURES

- Broad spectrum activity.
- Non irritant synthetic pyrethroid.
- Low mammalian toxicity.
- Fast knock-down and long residual activity.
- Indoor and outdoor applications.
- High Concentration formulation – smaller high quality packs.

TARGET PESTS

- | | | |
|-----------------------|----------------------------------|-----------------|
| • Auger Beetles | • Silverfish | • Moths |
| • Powder Post Beetles | • Ants | • Beetles |
| • Pinhole Borers | • Cockroaches | • Mosquitoes |
| • Furniture Beetles | • Fleas | • Biting Flies |
| • Spiders | • Quarantine Timber Insect Pests | • Lawn Armyworm |
| • Termites | | |



Quality, broad spectrum, high concentration, low irritant product!

Summary of Application Situations and Rates

PEST	SITUATION	STATE	RATE	CRITICAL COMMENTS
Auger beetles (Family Bostrychidae), Powder post beetles (Family Lyctidae), Pinhole borers (Family Platypodidae), Furniture beetles (Family Anobiidae)	Felled logs, poles, posts and sawn timber.	All States	20 mL/10 L diesel, light oil or water	Logs, posts and poles (especially when newly fallen or freshly peeled) use Knapsack or Power Sprayer at 700 mL per m ³ . Sawn timber apply at 1 L per 20m ² of surface area.
	Remedial treatment of timber in buildings.	QLD, NSW & NT only	40 mL/10 L non-staining oil or kerosene	Applicable only to surfaces which will absorb the solution, hence varnished, painted or polished surfaces need to be sanded down to ensure penetration of the solution. Apply at 1 L/20 m ² of surface area or to the point of run-off. Drill damaged areas and inject solution until timber is unable to absorb more liquid. Treat all infested areas (as indicated by expulsion of frass) for maximum effect. A single application may be sufficient. Continued expulsion of frass may be due to movement of timber.
Drywood termites, <i>Cryptotermes primus</i> , <i>C. brevis</i> , <i>C. domesticus</i>				
Powder post beetles, furniture beetles	Sawn and round timbers for treatment by vacuum impregnation.	All States	12 mL/100kg timber	Calculate uptake of suitable diluent eg. White spirit/100 kg of timber. Dilute EnviroMax® Permethrin 500EC Residual Insecticide in white spirit as calculated above. Apply to timber through vacuum treatment equipment in accordance with manufacturer's directions. Ensure amount of white spirit uptake equals that calculated in 1.
Termites including <i>Coptotermes acinaciformis</i>		NSW, QLD, SA, Vic, WA & NT	40 mL/100 kg timber	
Subterranean termites including <i>Coptotermes</i> spp.	Groundline treatment of power poles.	All States South of Tropic of Capricorn except Tasmania	40 mL in 10 L creosote or 100 mL in 10 L process oil	Excavate 30 cm around pole to a depth of 30-40 cm. Apply 5 L of mixture to the pole at ground level and puddle the backfill with remaining 5 L.
Subterranean termites (including <i>Mastotermes darwiniensis</i>) Timber beetles	Softwood particleboard manufacture.	NSW, QLD, SA, Vic, WA & NT	0.56 mL/kg dry fibre (gives 0.3 g permethrin 25:75/kg)	Dilute as required for metered addition into the glue. Add sufficient EnviroMax® Permethrin 500EC Residual Insecticide to treat weight of the fibre component only of the boards.
Termites, including <i>Coptotermes acinaciformis</i> , subterranean termites, <i>Mastotermes darwiniensis</i> , giant termite	Processing and manufacture of softwood plywood.	NSW, QLD, SA, Vic, WA & NT	360 mL/m ³ dry veneer (gives 180 g permethrin 25:75/m ³)	Calculate the uptake of solution by veneers traversing a shallow dip bath. Dilute as required to ensure the mean target application of EnviroMax® Permethrin 500EC Residual Insecticide/m ³ dry veneer. Dip uptake of individual veneers will vary hence the average uptake should be assessed rather than of individual veneers on the basis of shift or daily throughput.
Quarantine timber insects	Processing and manufacture of softwood and hardwood plywood for export.	All States	240 mL/m ³ dry veneer (gives 120 g permethrin 25:75/m ³)	Product to be applied in accordance with current Australian Quarantine Inspection Service (AQIS) requirements.
Ants, cockroaches, fleas, spiders, silverfish	Household and industrial situations.	All States	50 mL/10 L of light oil or water	All dilutions should be applied to the point of run-off. That is, at the rate of 5 L of prepared spray per 100 to 150 m ² depending on the porosity of the sprayed material. Porous surfaces such as brick, cement, ceramic (unglazed), etc. absorb the spray and hence more spray is needed to deliver the required surface deposit. Spray in cracks, crevices and other insect harbourages.
Cockroaches, moths, beetles	Aircraft.		Initial: 200 mL in 5 L water Routine: (Monthly) 100 mL in 5 L water	Apply to carpets and other fabrics at 25 mL spray mix per m ² and to other surfaces at 10 mL spray mix per m ² .
Mosquitoes, biting flies	Repellent treatment of fabric (excluding clothing) and mosquito nets: (i) Nylon (ii) Cotton/cotton blends		(i) 15 mL in 500 mL of water (ii) 15 mL in 2L of water	The dilution rate depends on the water uptake rate of the material. Dip thoroughly for two minutes, drain then dry, preferably laid flat on a non-absorbent surface. Nets should not be hung up to drain.
	Repellent treatment of clothing of ADF personnel.		12 mL/1L of water	Dip treat for two minutes, pre-dry on a horizontal non-absorbent surface before hanging up to dry to prevent excessive dripping in accordance with the Australian Defence Force Publication ADFP 705 Pesticides Manual.
Lawn armyworm (<i>Spodoptera mauritis</i>)	Lawns, ovals, amenity areas.	QLD & NSW only	100-200 mL/500 L water/ha plus 10 mL/100 L Agral 600	Apply at first sign of damage as and when required.

Note: This table is for reference only. When using EnviroMax® Permethrin 500EC Residual Insecticide please refer to the registered label.

Active Constituent: Bifenthrin 100g/L or 10% W/W

Areas of Use: Large Scale or Commercial Operations for Dip/Spray Treatment of felled logs, poles, posts and sawn timber, Plywood Manufacture, Aircraft Disinsection, Household and Industrial Situations, Repellant treatment of Fabric and clothing, Turf.

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