EnviroMax® Permethrin 500EC
Residual Insecticide

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

Quality, broad spectrum, high concentration, low irritant product!
## Summary of Application Situations and Rates

<table>
<thead>
<tr>
<th>PEST</th>
<th>SITUATION</th>
<th>STATE</th>
<th>RATE</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auger beetles (Family Buprestidae)</td>
<td>Felled logs, poles, posts and sawn timber.</td>
<td>All States</td>
<td>20 mL/10 L diesel, light oil or water</td>
<td>Logs, posts and poles (especially when newly fallen or freshly peeled) use Knapsack or Power Sprayer at 700 mL per m³. Sawm timber apply at 1 L per 20 m² of surface area.</td>
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<tr>
<td>Powder post beetles (Family Lyctidae)</td>
<td>Remedial treatment of timber in buildings.</td>
<td>QLD, NSW &amp; NT only</td>
<td>40 mL/10 L non-staining oil or kerosene</td>
<td>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 m² 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.</td>
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<tr>
<td>Termites including Coptotermes acinaciformis</td>
<td>Sawn and round timbers for treatment by vacuum impregnation.</td>
<td>All States</td>
<td>12 mL/100 kg timber</td>
<td>Calculate uptake of suitable diluent eg. White spirit/100 kg of timber. Apply to timber through vacuum treatment equipment in accordance with manufacturer's directions. Ensure amount of white spirit uptake equals that calculated in 1.</td>
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<tr>
<td>Subterranean termites including Coptotermes spp.</td>
<td>Groundline treatment of power poles.</td>
<td>All States</td>
<td>40 mL in 10 L creosote or 100 mL in 10 L process oil</td>
<td>Excave 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.</td>
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<tr>
<td>Subterranean termites (including Mastotermes darwiniensis)</td>
<td>Softwood particleboard manufacture.</td>
<td>NSW, QLD, SA, Vic, WA &amp; NT</td>
<td>0.6 mL/kg dry fibre (gives 0.3 g permethrin 25:75/kg)</td>
<td>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.</td>
</tr>
<tr>
<td>Termites, including Coptotermes acinaciformis, subterranean termites, Mastotermes darwiniensis, giant termite</td>
<td>Processing and manufacture of softwood plywood.</td>
<td>NSW, QLD, SA, Vic, WA &amp; NT</td>
<td>360 mL/m³ dry veneer (gives 180 g permethrin 25:75/m³)</td>
<td>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/m³ 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.</td>
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<tr>
<td>Guerilla timber insects</td>
<td>Processing and manufacture of softwood and hardwood plywood for export.</td>
<td>All States</td>
<td>240 mL/m³ dry veneer (gives 120 g permethrin 25:75/m³)</td>
<td>Product to be applied in accordance with Australian Quarantine Inspection Service (AQIS) requirements.</td>
</tr>
<tr>
<td>Ants, cockroaches, fleas, spiders, silverfish</td>
<td>Household and industrial situations.</td>
<td>All States</td>
<td>30 mL/10 L of light oil or water</td>
<td>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 m² 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 havens.</td>
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<tr>
<td>Cockroaches, moths, beetles</td>
<td>Aircraft</td>
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<td>Mosquitoes, biting flies</td>
<td>Repellent treatment of fabric (excluding clothing) and mosquito nets:</td>
<td>All States, SA, NSW &amp; NT</td>
<td>(i) 15 mL in 500 mL of water (ii) 15 mL in 2L of water</td>
<td>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.</td>
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<tr>
<td>Lawn armyworm (Spodoptera mauritia)</td>
<td>Larvae, ovals, amenity areas.</td>
<td>QLD &amp; NSW only</td>
<td>100-200 mL/500 L water/ha plus 10 mL/100 kg Agral 600</td>
<td>Apply at first sign of damage as and when required.</td>
</tr>
</tbody>
</table>

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/V

**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, Repellent treatment of Fabric and clothing, Turf.