## eco-neem®
### Botanical Insecticide

## DIRECTIONS FOR USE

### ACTIVE CONSTITUENTS:

11.82g/L AZADIRACHTIN A and B present as 29.55g/L Azadirachta Indica extract

### CONTROLS CHEWING AND SUCKING PESTS IN THE HOME GARDEN

<table>
<thead>
<tr>
<th>Plant/ Situation</th>
<th>Pest</th>
<th>Rate</th>
<th>How to Apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ornamental plants</td>
<td>Two-spotted Mites, Whitefly, Aphids, Caterpillars, Sooty mould</td>
<td>Mix 10mL per 5L water</td>
<td>Apply when pests appear. Re-apply every 7 days while pests are present. Good coverage is important so apply spray to upper and underside of leaves to point of run-off. Caterpillars: The addition of eco-oil at 2mL per litre is recommended as a spray additive. Sooty mould: Spray insects directly above and around or within the sooty mould affected areas.</td>
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<tr>
<td>Wingless Grasshoppers</td>
<td>Mix 15mL per 5L water</td>
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<tr>
<td>Mealybugs</td>
<td>Mix 15–30mL per 5L water</td>
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<tr>
<td>Home garden lawns, plant pots and garden beds (ornamentals only)</td>
<td>Lawn armyworm</td>
<td>Mix 20mL per 5L water to treat 10 square metres.</td>
<td>Apply at the first sign of pest infestation and before pest populations build up to damaging levels. Ensure thorough coverage of treated areas. Apply using a watering can.</td>
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<tr>
<td>Curl grubs (African black beetle larvae)</td>
<td>Mix 10mL per litre water</td>
<td>Apply as a soil drench using a watering can. For Curl Grubs the optimum application time is peak egg hatch which occurs between mid Spring to mid Summer. Ensure thorough coverage of treated areas.</td>
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<tr>
<td>Ornamental citrus</td>
<td>Citrus leaf miner</td>
<td>Mix 25mL per 10L water</td>
<td>Begin applying when new flush growth is 4 cm long. Apply every 5 to 14 days with presence of new flush growth. Ensure that new flush leaves are sprayed on top and underneath.</td>
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<tr>
<td>Potting soil (for ornamental plants only)</td>
<td>Fungus gnats</td>
<td>30mL per 10L water</td>
<td>Apply as a soil drench using approximately 1 litre mixture per 8 litres potting soil.</td>
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</tbody>
</table>


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**eco-neem** is an organic insecticide made from an extract of the neem tree seed which is combined with other plant oils. The active ingredients in eco-neem (Azadirachtin A & B) are the most effective natural insecticides commercially available and control a broad range of chewing and sucking insects.

**eco-neem HOW IT WORKS**

Once ingested by an insect **eco-neem** works in two main ways:

1. **Suppression of appetite resulting in starvation**

   ![Untreated, Treated, Healthy Armyworm, Affected Armyworm](image)

2. **Distortion of Growth Cycles**

   ![Normal Caterpillar, Normal Pupa, Normal Adult, Affected Caterpillar, Affected Pupa, Affected Adult](image)

**eco-neem WHAT MAKES IT DIFFERENT**

- Natural insecticide with broad spectrum activity (registered overseas to control over 200 pest insects)
- 100% plant oils and extracts
- Unique modes of action makes it effective on insects which have developed resistance to other sprays
- Safe for beneficial insects like bees and ladybeetles
- **eco-neem** is a concentrated and purified form of neem oil with increased stability and shelf-life
- Approved for use in organic gardens

Currently the Australian regulatory body (the APVMA) has only approved **eco-neem** for use on ornamental plants and this is indicated on the label.

Many overseas regulatory bodies (including in New Zealand, America, Japan and Europe) have approved eco-neem for use on edible plants with no withholding period.