

# eco-neem®

Botanical Insecticide

## eco-neem DIRECTIONS FOR USE

Plant/Situation	Pest	Rate	How to Apply
Ornamental plants	Two-spotted Mites Whitefly Aphids	Mix 10 mL per 5 L water	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		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. The addition of eco-oil as an adjuvant is recommended at 2ml per litre
Home garden lawns, plant pots and garden beds (ornamentals only)	Lawn armyworm	Mix 20 mL per 5 L water to treat 10 square metres.	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.
	Curl grubs (African black beetle larvae)	Mix 10 mL per litre water	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.
Ornamental citrus	Citrus leaf miner	Mix 25 mL per 10 L water	Begin applying when new flush growth is 4cm long. Apply every 5 to 14 days with presence of new flush growth. Ensure that new flush leaves are sprayed on top and underneath.
Potting soil (for ornamental plants only)	Fungus gnats	30 mL/10 L water	Apply as a soil drench using approximately 1 litre mixture per 8 litres potting soil.

For more information on eco-neem and the rest of the eco-organic garden range visit [www.ecoorganicgarden.com.au](http://www.ecoorganicgarden.com.au).



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Printed on recycled paper

25ml  
20  
15  
10  
7.5

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**ACTIVE CONSTITUENTS:** 11.82g/L AZADIRACTIN A and B present as 29.55g/L *Azadirachta Indica* extract

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



Curl Grub



Caterpillars



Aphids



Lawn Armyworm



Whitefly & more



BFA ALLOWED INPUT 222A1  
**CERTIFIED  
PRODUCT  
FOR ORGANIC  
GARDENS**



# eco-neem<sup>®</sup>

Botanical Insecticide



**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

### 2. Distortion of Growth Cycles



Normal Caterpillar



Normal Pupa



Normal Adult



Affected Caterpillar



Affected Pupa



Affected Adult

**eco-neem** is NOT a knock-down insecticide as insects take a few days to die. During this time they stop feeding so no new damage occurs. They are also weakened and are easy prey for other insects and larger predators like birds and lizards.

## 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
- Certified Organic

## eco-neem SAFE FOR BENEFICIAL INSECTS

**eco-neem** must be ingested for it to work making it safe for good insects which do not feed on plant foliage. There is also no secondary poisoning eg it's safe for a ladybeetle to eat an aphid that has ingested **eco-neem**. **eco-neem** is harmless for larger creatures like birds, lizards and pets.

## eco-neem USE ON EDIBLE PLANTS

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.