



Grosafe®

# BIONEEM®



INSECTICIDE

BioNeem® is a broad spectrum insecticide derived from the neem tree, for the control of aphids, thrips, whitefly, leaf-mining flies, mealy bugs, mites and scale.

BioNeem® contains 10,000 ppm (1%) of pure azadirachtin and 30% clarified hydrophobic extract of neem oil to produce a high efficacy on insect pests on fruits, vegetables, ornamentals, flowers and lawns, tree crops and vines.

## Features:

- BioNeem® has repellent and antifeedant properties that effectively prevent adverse effects from insects that suck and rasp.
- Non-phytotoxic.
- 1 day withholding period.

## Benefits:

- BioNeem® effectively controls the economically important pests in a wide range of crops.
- Usually safe to beneficial insects and predatory mites when applied at label rates, thus offering long lasting pest control.
- Helps to increase productivity by controlling pests and improving crop health.
- Low cost per litre.



## HOW BIONEEM® WORKS

BioNeem® is a naturally based repellent and anti-feeding insecticide. It leads to feeding inhibition, moulting and a reduction in fecundity and breeding ability. BioNeem® controls a wide range of plant pests without harming beneficial insects.

BioNeem® is a unique new generation formulation. It is formulated by using azadirachtin at a rate of 10g/litre and neem oil at a rate of 300g/litre. Azadirachtin is the true insecticide and is extracted from the neem seed while neem oil is added back to the formulation as a compatible "carrier" that provides additional insecticidal properties.

The clarified hydrophobic extract of neem oil supports the active ingredient, azadirachtin, by suffocating insect and mite pests.

BioNeem® displays anti-feeding and repellent properties in insects, modifying their behaviour, pests stop feeding on treated plants and won't lay eggs.

**DIRECTIONS FOR USE:** As a preventative treatment before pests appear, apply every 3 -4 weeks. The product is primarily a contact insecticide with little or no systemic activity. Thorough coverage of plants is essential for optimum results. The product can be applied through all conventional ground spraying equipment calibrated to ensure thorough coverage of plants. Water rates will depend on the crop and growth stage. When concentrate spraying, adjust the dilution rate accordingly.

**ACTIVE INGREDIENTS:** 10g/litre azadirachtin A&B in the form of an emulsifiable concentrate. Also contains 300g/litre neem oil.

CROPS	PESTS	RATE/Litre of Water	COMMENTS
Vegetables, fruits, ornamentals, flowers and lawns, tree crops and vines	Mealy bug Mites Scale Thrips Whitefly	1ml	Apply when pests are first seen. Monitor crop and repeat application 10-14 days later if necessary. When pest monitoring indicates high levels are present, a cluster of 2-3 sprays at 7 day intervals may be necessary to achieve best control.
	Aphids	1ml	Apply when the pests are first seen. Monitor crop and repeat the application 10-14 days later if necessary.
	Leaf miners (flies)	1ml	Apply when the pests are first seen. Apply 2-3 sprays at 7 day intervals.

Withholding period: 1 day

Registered pursuant to the ACVM Act 1997 No. P9791



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