



**DANGER**

Keep out of reach of children  
Read label before use

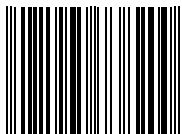
# BIONEEM<sup>®</sup>

## INSECTICIDE

A broad spectrum insecticide derived from the neem tree. For the control of aphids, mites, thrips, whitefly, leaf-mining flies, mealy bugs and scale on fruit, vegetables, horticultural and floricultural crops.

ACTIVE INGREDIENT: Contains 10 g/litre azadirachtin A & B in the form of an emulsifiable concentrate. Also contains 300 g/litre extract of neem oil and 540g/L hydrocarbon solvent.

GSNEW/200F05



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BIONEEM<sup>®</sup>  
NET CONTENTS: 5 Litres

**Grosafe<sup>®</sup>**

# BIONEEM®



## HAZARD CLASSIFICATION:

Aspiration hazard Category 1, Eye irritation Category 2, Skin sensitisation Category 1, Reproductive toxicity Category 2, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 2.

## TOXICITY

**DANGER** - May be fatal if swallowed and enters airways.

Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

**ECOTOXICITY:** Toxic to aquatic life with long lasting effects. Do not apply directly onto or into water. Harmful to terrestrial vertebrates. Take all reasonable steps to ensure the product does not cause any significant adverse effects to the environment beyond the application area. Product has low toxicity to bees but it is recommended not to spray when bees are actively foraging (i.e. early morning or evening).

**PERSONAL PROTECTION:** Do not eat, drink or smoke while using. When mixing or using wear protective clothing such as eye protection, impervious gloves, waterproof hat, coat and trousers. Wash hands and face before meals and after work. Wash protective clothing and equipment after use.

**STORAGE:** Store product in original container, tightly closed, locked up, in a cool, dry place. Keep out of reach of children, and away from foodstuffs. Shelf life: When stored appropriately this product should show no significant degradation for two years from date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Avoid contamination of any water supply with product or empty container.

**PRODUCT DISPOSAL:** If possible dispose of by using according to the label, otherwise dispose of in an approved landfill.

**CONTAINER DISPOSAL:** Triple rinse empty container and add rinseate to the spray tank. Recycle empty container at an approved recycling facility. Otherwise crush and bury empty container in a suitable landfill.

**SAFETY DATA SHEET:** A safety data sheet is available from Grosafe Chemicals Ltd.

**FIRST AID:** If medical advice is needed. Have product container or label at hand. For advice call a doctor or the National Poisons Centre (0800 764 766). If exposed or concerned get medical advice. If swallowed, rinse mouth but do NOT induce vomiting. Immediately call a Poison Centre or doctor. If in eyes, immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do after the first 5 minutes then continue rinsing. If irritation persists, get medical attention. If on skin, remove contaminated clothing immediately. Wash skin immediately with plenty of soap and water. If irritation or rash persists, get medical advice. In case of inhalation of spray remove to fresh air. Get medical attention if patient is in distress.

## EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)

### GENERAL INSTRUCTIONS

Product has repellent and antifeedant properties. Effective preventative of adverse effects from insects that suck and rasp (i.e. aphids, thrips). For control of caterpillars combine with Btk (*Bacillus thuringiensis*) insecticide at recommended rates.

**INSECTS CONTROLLED:** A wide range of pests including aphids, mites, thrips, whitefly, leaf-mining flies, mealy bugs and scale. Note: There may be some species within these pest groups that are not controlled.

**DIRECTIONS FOR USE:** 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.

**MIXING:** Product is compatible with commonly used fungicides except for strong alkaline compounds such as lime sulphur and Bordeaux mixture. Applications of other copper compounds should also be applied separately.

Pour the measured quantity of concentrate into a sprayer filled with half of the required water and mix well. Continue agitation while filling the sprayer with the required amount of water to final volume and adding any additional insecticide or fungicide. Maintain agitation during the spray operation. Refer to Directions for use table for dilution rates.

### Note:

- No additional surfactant or wetting agent is required.
- Diluted spray solution should be used within 12 hours of initial use.
- IPM and effects on non-target pest species. When applied at label rates this product is usually harmless to beneficial insects and predatory mites.
- For greenhouse crops, ensure coverage of the underside of all leaves.
- Product is believed to be non-phytotoxic to all plants, however if crop/plant appearance is important, test the product on a small area.

**It is an offence to use this product on animals.**

### Directions for Use:

As a preventative treatment before pests appear, apply every 3-4 weeks. Do NOT apply more than 2 L product/ha and no more than 4 applications per year.

CROPS	PESTS	RATE/Litre of Water	COMMENTS
Vegetables, fruits, ornamentals, tree crops and vines, lawns and flowers	Mealy bug Mites Scale Thrips Whitefly	1ml	Apply when the pests are first seen. Monitor crop and repeat the 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 applications 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 See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to the HSN0 Act 1996, No HSR101572 See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**WARRANTY:** This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for the damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered and Distributed by:

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BATCH No:

DATE OF MANUFACTURE:

GSNEM/200805

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