



DANGER
Keep out of reach of children
ECOTOXIC

HORTCARE®

ABAMECTIN

INSECTICIDE

For the control of mites on Avocados, Apples, Pears,
indoor Tomatoes, Strawberries and ornamentals,
Leafrollers on Kiwifruit and Tomato-Potato
Psyllid on Potatoes.

ACTIVE INGREDIENT: Contains 18 g/litre abamectin in the form of an emulsifiable concentrate (also contains N-methyl pyrrolidone: 300 g/litre and butylated hydroxytoluene: 10 g/litre)

GSHA 178/F04



HORTCARE®ABAMECTIN
NET CONTENTS: 5 Litres

Grosafe®

**HAZARD IDENTIFICATION:**

Flammable liquids Category 4; Acute oral toxicity Category 4; Acute inhalation toxicity Category 4; Skin irritation Category 2; Eye irritation Category 2; Reproductive toxicity Category 1; Effects on or via lactation; Specific target organ toxicity – repeated exposure Category 2; Hazardous to the aquatic environment acute Category 1; Hazardous to the aquatic environment chronic Category 1; Hazardous to soil organisms; Hazardous to terrestrial vertebrates; Hazardous to terrestrial invertebrates.

FLAMMABILITY: Combustible liquid. Keep away from sources of ignition, heat, hot surfaces. No smoking.

TOXICITY: Harmful if swallowed or inhaled. Causes skin irritation and serious eye irritation. May damage fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

ECOTOXICITY: Very toxic to aquatic life and with long lasting effects. Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Avoid contamination of any water supply with chemical or empty container. Hazardous to soil organisms, terrestrial vertebrates and terrestrial invertebrates. Very toxic to bees. Spray must not contact plants in flower if they are likely to be visited by bees.

QUALIFIED PERSON: A person mixing, loading or applying this product must be suitably qualified or under the supervision of a suitably qualified person.

PERSONAL PROTECTION: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. When mixing or applying, wear a face mask or goggles, rubber gloves and overalls. Do not breathe spray mist or vapours. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly before meals and after work. Wash protective clothing after use.

STORAGE: Keep out of reach of children. Store locked up in original container, tightly closed, in a cool, dry place. Keep away from foodstuffs.

In case of fire: Use fine water spray, foam or sand.

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.

RECORD KEEPING: A record of use must be kept according to HSN0 Regulations and N.Z. Standard for the Management of Agrochemicals (NZS 8409). If 3 kg or more is applied within 24 hours, in places where the product is likely to enter air or water and leave the application area, a written record is to be kept for each application.

SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Collect spill, recover liquid and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled absorb and collect in drums as above. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

PRODUCT DISPOSAL: If possible dispose of by using according to the label directions. Otherwise dispose of at an approved landfill.

CONTAINER DISPOSAL: Triple rinse empty container and add rinseate to the spray tank. Recycle empty container through Agrecovery (www.agrecovery.co.nz) or at an approved landfill. Do not reuse for any other purpose.

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

FIRST AID: For advice, or if you feel unwell or are exposed or concerned, contact the National Poisons Centre (0800 001001) 0800 764 766 or a doctor. Have the product container or label at hand.

If **SWALLOWED:** Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

If **ON SKIN:** Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention/advise.

If **IN EYES:** Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If **INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if person feels unwell.

EMERGENCY RESPONSE: 0800 CHEMICAL: (0800 243 622)

GENERAL INFORMATION

Hortcare® Abamectin is absorbed into the leaf, best results are obtained when applied to young, actively growing plant tissue. Thorough coverage of the foliage is essential. Absorption is reduced on older leaves. **Hortcare® Abamectin** is effective only against the feeding stages of mites, it has no effect on eggs.

RECOMMENDATIONS FOR USE:

It is an offence to use this product on animals.

The following rates are for high volume spraying to the point of run-off. For concentrate spraying adjust the dilution rate accordingly.

CROP	PESTS	RATE OF USE	COMMENTS
Avocados	Six spotted Mite,	37.5 ml/100L plus non-ionic surfactant at label rates, OR 500 ml all-purpose spraying oil.	Apply early Spring when mites first appear, repeat 14 - 28 days later. Mites first appear more than three times per season.
Kiwifruit	Leafrollers	25 ml/100L plus non-ionic surfactant at label rates, Use a minimum rate of 500ml/1000L product /ha. Spray to point of runoff (approx 2000 litres/ha)	Apply immediately after flowering. Followed by two further sprays at 14 day intervals. If further applications are needed spray at 3 week intervals. DO NOT tank mix or apply with foliar nutrients.

CROP	PESTS	RATE OF USE	COMMENTS
Apples, Pears	Two spotted Mite, European Red Mite	37.5 ml/100L plus non-ionic surfactant at label rates, OR 500 ml all-purpose spraying oil. Apply a minimum of 2,000 litres spray-mix per sprayed hectare. DO NOT exceed a total dose of 1.5 L/ha Hortcare® Abamectin or 10 litres of oil.	Make one application per season, between petal fall and mid December. CROP SAFETY: DO NOT use any all purpose spraying oil within 21 days before or after a spray of Captan. DO NOT spray with a surfactant or any spray oils under hot conditions, or slow drying conditions. DO NOT spray with equipment which leaves large droplets. Special care should be taken on sensitive varieties of apples and pears (Cox's Orange, Gala, apples; Anjou pears).
Tomatoes indoor	Two spotted Mite, Tomato Russet Mite	60 - 90 ml/100L Apply at least 300 - 450 ml product/ha, and a minimum of 500 litres water/ha.	Use a minimum of 500 litres water/ha. Use the highest rate under high mite pressure or when Tomato Russet Mite is the main pest. Apply at the first appearance of mites and repeat 7 - 10 days later. Spray no more than three times / season.
Strawberries	Two spotted Mite	100 ml/100 litres water. (apply a minimum of 500 ml product/ha).	Apply at the first appearance (3 - 5 mites/leaf) and repeat 7 - 10 days later. Spray no more than three times / season. Ensure thorough coverage of plants.
Ornamentals	Two spotted Mite	25-50 ml/100L (apply a minimum of 750 ml product/ha).	Apply at the first appearance (3 - 5 mites/leaf) and repeat 7 - 10 days later. Spray no more than three times per season. DO NOT apply to ferns or Showa dahlias. If unsure of crop safety apply to a few plants before spraying crops.
Potatoes	Tomato-Potato Psyllid	600ml/ha plus a non ionic surfactant at label rates.	Apply at the first appearance of the pest. Thorough coverage / penetration is essential. Apply at seven day intervals as required, but no more than 4 times per season.

It is an offence to use this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Commodities.

Withholding period: Apples, pears - do not apply within 14 days of harvest.
Kiwifruit - do not apply within 120 days of harvest.
Avocado - do not apply within 14 days of harvest.
Potatoes - do not apply within 14 days of harvest.
Strawberries - do not apply within 3 days of harvest.
Tomatoes - do not apply within 3 days of harvest.
Export crops - consult your exporter or industry crop advisor

Resistance Management:

Hortcare® Abamectin contains the GROUP 6 Chloride channel activator insecticide, abamectin. To minimise the development of resistance, alternate the use of **Hortcare® Abamectin** with a miticide belonging to an alternative group. Use only according to label directions. Refer to resistance management strategies for listed pests at <https://resistance.nzps.govt.nz>

Mixing: Add the measured quantity of **Hortcare® Abamectin** to the partly filled spray tank and top up with the required amount of water. When tank mixing oils, thoroughly mix the **Hortcare® Abamectin** and commence agitation before adding the oil.

Compatibility: May be tank mixed with a wide range of insecticides and fungicides. Take care when mixing with spray oils or spray adjuvants; damage may occur, particularly to sensitive varieties of apples and pears. All mixtures should be tested prior to use.

Rainfall: Rain within 3 hours following treatment may reduce effectiveness.

Registered pursuant to the ACVM Act 1997 No. P 8695.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSN0 Act 1996, Approval code: HSR000734

See 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:

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