



WARNING:
Keep out of reach of children
Read label before use
Do not handle until all safety precautions
have been read and understood

GROVENTIVE[®]

INSECTICIDE

A systemic insecticide for the control of apple leafcurling midge and armoured scales in apples, pear leafcurling midge in pears, mealy bugs in grapes, armoured scales in kiwifruit, Kelly's citrus thrips and armoured scales in citrus, thrips and mealy bug in blueberries and tomato potato psyllid in potatoes.

ACTIVE INGREDIENT: Contains 100 g/litre spirotetramat in the form of a suspension concentrate.

GSGV833/F04



GroSafe[®]

GROSAFE®



HSNO CLASSIFICATIONS:
Skin sensitisation Category 1, Reproductive toxicity Category 2, Hazardous to the aquatic environment chronic Category 3.

WARNING: May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child from repeated oral exposure.

ENVIRONMENT: Harmful to aquatic life with long lasting effects. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Avoid contamination of any water supply with product or empty container.

PERSONAL PROTECTION: Do not eat, drink or smoke while using. When mixing or using wear protective clothing such as impervious gloves, waterproof hat, coat and trousers. Avoid breathing spray. Wash hands and face before meals and after work. Wash protective clothing after use. Contaminated work clothing should not be allowed out of the workplace.

STORAGE: Store product in original container, lightly closed, in a cool, dry place. Keep out of reach of children, and away from foodstuffs. Storage must be in accordance with the current version of NZS 8409 Management of Agricultural Chemicals. Stores containing more than 1000 L are subject to requirements for signage, secondary containment and emergency response plans.

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. Contain material 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, otherwise dispose of in an approved landfill.

CONTAINER DISPOSAL: Triple rinse empty container and add rinseate to the spray tank. Recycle empty container through Agrecovery (0800 247 326; www.agrecovery.co.nz).

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

FIRST AID:

For advice call a doctor or the National Poisons Centre (0800 764 766). If exposed or concerned, get medical advice. If swallowed do not induce vomiting. Rinse mouth. If on skin, wash with plenty of soap and water. If irritation or rash occurs, get medical advice. If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

EMERGENCY RESPONSE 0800 CHEMCALL: (0800 243 622)

GENERAL INFORMATION

GroVente® is a systemic (mobile in phloem and xylem) insecticide belonging to the class of keto-enols.

Resistance Management: GROUP 23 INSECTICIDE

GroVente® belongs to Mode of Action Group 23 (lipid synthesis inhibitors). Resistance to this insecticide could develop in some situations from repeated use. To minimize this risk use strictly in accordance with label directions. Do not apply more than three times per season.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits for Agricultural Products.

It is an offence to use this product on animals.

DIRECTIONS FOR USE:

Mixing: Pour the measured quantity of GroVente® into the partly filled spray tank while the agitators are operating.

DIRECTIONS FOR USE

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

Crop	Pests	Rate of Use / 100 litres water	Comments
Apples	Apple leafcurling midge (ALCM)	42ml (minimum 960 ml/ha)	Apply GroVente® to coincide with the peak periods of ALCM egg laying. To control the 2nd generation apply from mid-November to mid-December, and from mid-January to mid-February to control the third generation.
	Armoured scales	42ml (minimum 960 ml/ha)	Apply GroVente® to target scale crawler release periods. For the first generation San Jose scale apply from mid-November to early December. For the second generation, if required apply from late January to mid-February. For other shell scales (South Island only) apply between mid-December and mid-January. There is a risk of fruit russet on russet-prone varieties when applied under cold or slow-drying conditions.
Blueberries	Thrips, Mealy bug	150ml (minimum 750 ml/ha)	Apply at 14-21 day intervals, up to three times per season, using sufficient water to obtain good coverage.
Citrus	Kelly's citrus thrips and armoured scales	96ml	Apply after flowering when pest thresholds are reached, and repeat if needed before cold flows and pre-harvest. Apply no more than three times per season, with at least 14 days between the first two applications, and no more than two applications to be made within 90 days of harvest.
Grapes	Mealy bug	150ml (minimum 750 ml/ha)	Apply a minimum of two applications when new season's shoots are 20-30 cm long, and just prior to flowering or immediately post flowering. Apply in 500 litres of water/ha. Do not apply in a water rate that will result in run-off.
Kiwifruit	Armoured scales	42ml (minimum 960 ml/ha)	Apply twice, the first at green tip, the second pre-flowering.
Pears	Pear leafcurling midge (PLCM)	42ml (minimum 960 ml/ha)	Apply GroVente® to coincide with peak periods of PLCM egg laying, either just prior to flowering or immediately after flowering.
Potatoes	Tomato potato psyllid	840ml/ha with 4L of EnSpray99®/99/ha	Make two applications early in the season at 7 day intervals as part of a programme, in sufficient water to ensure good coverage of all foliage. If large numbers of adult tomato potato psyllid are present, add a knockdown insecticide. DO NOT apply during flowering.

Withholding periods:

Apples -	14 days
Blueberries -	7 days
Citrus -	21 days
Grapes -	Do not apply after 10 days post flowering.
Kiwifruit -	Apply only pre-flowering
Pears -	35 days
Potatoes -	35 days

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

Compatibility: May be tank mixed with most fungicides. All mixtures should be tested prior to use.

Grazing:

Leaf-pucking in vineyards: Sheep must not be sent for slaughter or milked for 2 months after being removed from the vineyard (and placed on clean feed).
Post-harvest grazing: Livestock that have been grazing in treated orchards must be removed from treated areas and placed on clean feed for two months prior to slaughter or milking.

WARRANTY This formulation is warranted to contain the specified active ingredient within acceptable analytical tolerance when packed. The user bears the risk for 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 pursuant to the ACVM Act 1997 No. P9524.
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to HSNO Act 1996. Approval code: PHSR100545
See www.epa.govt.nz for approval conditions.

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Date of Manufacture: Batch No:

