

**HARMFUL**  
KEEP OUT OF REACH OF CHILDREN

Organic  
**ENSPRAY 99<sup>®</sup>**

**INSECTICIDE - FUNGICIDE - ADJUVANT**

An emulsifiable, narrow range spray oil for the control of armoured scale on kiwifruit, armoured scale, greenhouse thrips and six-spotted mite on avocados, scale, aphids and mites on citrus, pip and stone fruits, and powdery mildew, botrytis, mealy bug and erineum mites on grapes.



No.4547

ACTIVE INGREDIENT: 821g/L (980ml/L) mineral oil in the form of an emulsifiable concentrate. Unsulphonated residue of paraffinic oil 99.8 %

**NET CONTENTS: 20 200 1000 litres**

**Grosafe<sup>®</sup>**

**HSNO HAZARD CLASSIFICATION: 6.1E, 6.3B, 6.4A, 9.1D**

**WARNING:** May cause skin irritation, may cause eye irritation, maybe harmful if inhaled.

**PERSONAL PROTECTION:** When mixing or loading wear overalls, impervious gloves and eye/ face protection. Wash hands and exposed skin after work.

**STORAGE:** Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact the proprietor for further information about the use of this product if it 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 and absorb with suitable inert absorbent 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, water courses, 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 or bury below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

**CONTAINER DISPOSAL:** Triple rinse container and add residue to mixture. Dispose of via an approved recycler.

**ENVIRONMENT:** Toxic to aquatic organisms; avoid contamination of any water supply with product or empty container.

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

**FIRST AID:** If swallowed give water to dilute. Do not cause vomiting. Seek medical advice. **EMERGENCY RESPONSE – 0800 CHEMCALL (0800 243 622)**

**GENERAL INFORMATION:** EnSpray 99 is a highly refined narrow distillation range spraying oil which contains emulsifiers to facilitate mixing with water.

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

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food standards.**

**DIRECTIONS FOR USE: Mixing Instructions:** Pour the required amount of water into the mixing tank then add EnSpray 99 and agitate well. When mixing with other pesticides add the other product first, according to the manufacturer's instructions, then add the EnSpray 99 last. Maintain continuous agitation while spraying.

**Equipment:** Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the management of Agricultural Chemicals (NZS 8409).

**Restraints:** Do not spray under conditions that cause slow drying: i.e. low temperatures, high humidity. Do not spray in the late evening or early morning or during the hours of darkness: this could cause damage to the fruit.

**COMPATIBILITY:** EnSpray 99 is believed to be incompatible with folpet, captan, carbaryl and dodine, and should not be applied within 4 weeks of these products, or within 14 days of applications of sulphur or lime sulphur, once crop growth has commenced.

**RECOMMENDATIONS FOR USE:** The rates suggested are for high volume spraying to run-off.

Crop /Pest	Rate & Timing	Comments
<b>Apples, Pears &amp; Stone fruit</b> For the control of San Jose Scale, European red mite, aphids and powdery mildew	1.5-2 litres/100 litres of water, from green tip to tight cluster[see notes on varieties] Summer application: 1 litre/100 litres water.	Complete coverage is essential. If pest numbers are high, add a suitable insecticide.

Crop /Pest	Rate & Timing	Comments
<p>NOTES: 1. Do not apply to russet sensitive varieties such as Cox's Orange, Pippin or Gala later than green tip. 2. In mixed blocks time the oil spray according to the earliest variety. 3. Monitor early varieties for bud swell at least 3 weeks in advance of normal timing. 4. Ensure crop is not under stress from drought or frost before application.</p>		
<b>Avocados</b> For the control of armoured scale and greenhouse thrips  For the control of six-spotted mite	1 litre/100 litres of water. Determine pest pressures by monitoring, or follow the high pest pressure recommendations as a precaution.  0.5 - 1.0 litres /100 litres of water	From late January to February apply two sprays one month apart. If pest pressure is high apply three sprays from Jan to April. May be applied once or twice, pre-flowering in Sept/Oct. Do not apply to plants under moisture stress.  To suppress six-spotted mite apply two sprays two weeks apart at first sign of infestation.
<b>Citrus</b> For the control of scale insects, aphids, citrus red mite, thrips & powdery mildew	1 litre /100 litres of water. Apply during spring and summer.	Complete coverage is essential. Do not apply to citrus trees in hot dry weather when trees are suffering moisture stress. If pest populations are high or mealy bug is a problem add suitable insecticide.
<b>Grapes</b>	Powdery Mildew - 2 litres / 100 litres of water	To prevent powdery mildew apply on a 7-10 day schedule as required to maintain adequate control of powdery mildew. For eradication of powdery mildew infection, apply as a high volume spray to run-off. Repeat on a 7-10 day schedule as required to maintain adequate control of powdery mildew. If concentrate spraying use a minimum of 5 litres per hectare.
	Botrytis - 2 litres / 100 litres of water	Where disease conditions are high, or during periods of high risk (wet, humid weather) use a specific botrytis fungicide. Under low botrytis conditions through the season use EnSpray 99 at 2 litres to 100 litres of water. Do not mix with captan, chlorothalonil, Euparen® Shirlan® or Euparen Multi®.
	Mealy Bug & Erineum Mites - 2 litres / 100 litres of water	Pests present at the time of treatment with EnSpray 99 will be affected, particularly when they are at the juvenile stage of development. Specific mealy bug chemicals may be added to EnSpray 99 when mealy bug is a problem.
<b>Kiwifruit (Hayward)</b> For the control of Armoured scale	Spraying oils have the potential to cause phytotoxic damage to kiwifruit. To minimise the risk of damage it is recommended: HAYWARD - Use 1 litre of EnSpray 99 per 100 litres of water (1%). DO NOT apply during the period from 14 days after fruit set to 35 days after fruit set. The application of oil sprays after March increases the risk of fruit drop, and care is essential. In orchard blocks with very heavy infestations of scale insects use 2 litres of EnSpray 99 per 100 litres of water (2%) only during the month of February. (Note: the higher 2 litre rate may give rise to some fruit marking, especially under slow drying conditions). Hort16a (ZESPRI™ GOLD) - Use 1 litre of EnSpray 99 per 100 litres of water (1%). Apply only up to 21 days after fruit set.	Notes: All applications of spraying oils should be in response to a demonstrated need and be in accordance with the Zespri Crop Protection Standard for export kiwifruit. Use conventional airblast spray volumes of 2,000 to 2,200 litres of water per hectare. The use of concentrate spraying or very high volumes of water (>2,500 litres) are not advised. Avoid spray overlap. Apply when conditions favour rapid drying on the plant. Ensure complete coverage of vines including crowns and leaders. Do not apply within 14 days of copper sprays.
<b>General Use</b> All labelled crops	50ml/100 litres	EnSpray 99 is an effective wetting agent for use with plant protection products used in conventional and organic production systems. Because it is not possible to test all combinations of products that may be mixed it is recommended that a simple "jar test" be carried out.

Registered pursuant to the ACVM Act 1997, No P9104. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions. Approved pursuant to HSNO Act 1996, No HSR 100946. 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 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 PROPRIETOR:

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Batch No: \_\_\_\_\_ Date of Manufacture: \_\_\_\_\_



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