

**DANGER**

Keep out of reach of children

Read label before use

# ENSPRAY 99<sup>®</sup>

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, thrips on citrus and powdery mildew on grapes. Also for use with herbicides to enhance spreading, sticking and uptake.

ACTIVE INGREDIENT: 821g/L (980ml/L) mineral oil in the form of an emulsifiable concentrate. Unsulphonated residue not less than 99.0 %



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ENSPRAY 99  
NET CONTENTS: **20 L**



**SIPCAM**

# ENSPRAY 99



**HAZARD CLASSIFICATIONS:** Aspiration hazard Category 1, Eye irritation Category 2, Designed for biocidal action.

**TOXICITY:**

**DANGER:** May be fatal if swallowed and enters airways. Serious eye irritant.

**ECOTOXIC:**

Designed for biocidal action. Do not apply directly into or onto water. Avoid contamination of any water supply with product or empty container.

**PERSONAL PROTECTION:** When mixing or loading wear overalls, impervious gloves and eye/face protection. Avoid breathing spray mist. 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.

**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, 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 container and add residue to mixture. Recycle empty rinsed container via Agrecovery ([www.agrecovery.co.nz](http://www.agrecovery.co.nz)) or at an approved landfill.

**SAFETY DATA SHEET:** A safety data sheet is available from Sipcam New Zealand.

**FIRST AID:**

For advice call a doctor or the National Poisons Centre (0800 764 766). If medical advice is needed, have product container or label at hand. If swallowed, do NOT induce vomiting. Immediately call the National Poisons Centre or doctor for advice. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. If on skin, wash with plenty of soap and water. If irritation occurs, get 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.**

**DIRECTIONS FOR USE:**

**Mixing Instructions:** Ensure the sprayer tank is clean. 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). Apply only with ground-based application methods.

**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. DO NOT use additional spray adjuvants.

**COMPATIBILITY:**

**Adjuvant with herbicides:** Use ENSPRAY 99 as an adjuvant with herbicides to enhance spreading, sticking and uptake. Use with herbicides such as INTREPID® (clethodim), OFFICIATE® (flumetsulam) and HERALD® (haloxyfop-p). Use 0.5 – 2.0 L/ha, depending on the specific recommendations on the herbicide label.

ENSPRAY 99 is not compatible with a number of other materials including products containing folpet, captan, sulphur 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. As information is gained recommendations may change: consult your local adviser and the label of the proposed additive. If doubt remains do not mix products. DO NOT apply Sulphur containing sprays within 21 days of an oil application.

**RESISTANCE MANAGEMENT**

**GROUP NC FUNGICIDE**

ENSPRAY 99 contains mineral oil that is not classified, having a diverse mode of action, and as such has a very low risk of resistance development. To minimise any possible resistance risk use strictly in accordance with the label instructions. For further information see: [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

**GROUP UNM INSECTICIDE**

ENSPRAY 99 contains mineral oil with a non-specific mechanical and physical disruption mode of action and as such has a very low risk of resistance development. This makes it a valuable component of resistance management strategies for all products with other modes of action. To minimise any possible resistance risk use strictly in accordance with the label instructions. For further information see: [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

**WITHHOLDING PERIOD:** 1 day.

**Leaf Plucking 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.

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

Crop / Pest	Rate and Timing	Comments
Apples, Pears and Stonefruit - For the control of San Jose Scale, European red mite and aphids	1.5-2.0 L/100L of water, from green tip to tight cluster. [see notes on varieties] Summer application: 1.0 L/100L water.	Complete coverage is essential. If pest numbers are high, add a suitable insecticide.

**NOTES:**

- Sensitive varieties: Do not spray Cox's Orange or Pippin later than early Green tip. Do not spray Gala between tight cluster and early fruit development.
- In mixed blocks time the oil spray according to the earliest variety.
- Monitor early varieties for bud swell at least 3 weeks in advance of normal timing.
- Ensure crop is not under stress from drought or frost before application.

Crop / Pest	Rate and Timing	Comments
Avocados - For the control of armoured scale and greenhouse thrips.	1.0 L /100L of water. Determine pest pressures by monitoring, or follow the high pest pressure recommendations as a precaution.	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.
For the control of six-spotted mite.	0.5 - 1.0 L/100L of water.	To suppress six-spotted mite apply two sprays two weeks apart at first sign of infestation.
Citrus - For the control of scale insects, aphids, citrus red mite and thrips.	1.0 L /100L 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.
Grapes - As a spray adjuvant for insecticides.	1.0 L /100L of water. Apply from advanced bud swell to bud burst, mixed with a suitable insecticide.	ENSPRAY 99 will assist the spreading, adhesion and penetration of the insecticide into the bark crevices.
Powdery mildew control.	2.0 L /100L of water.	Apply as a high volume spray to run-off. Repeat on a 7 – 10 day schedule. Allow a gap of 10-14 days pre and post a sulphur application. The action of ENSPRAY 99 is short lived: the use of a DMI fungicide may be required to maintain control over an extended break. May reduce the visible bloom on red varieties when used close to harvest. The use of this product may delay harvest by up to one week.
Kiwifruit For the control of Armoured scale (including Greedy Latania and Oleander scales)	Dormant to pre-flowering 1.0 L /100L of water.	May be applied with oil compatible pesticide to control high pest numbers. Ensure crop is not under stress from drought or frost before application. Complete coverage is essential
	<b>Post flowering</b> Spraying oils have the potential to cause phototoxic damage to kiwifruit. To minimise the risk of damage it is recommended: <b>HAYWARD</b> - 1.0 L/100L of water. 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 2.0 L/100L water during the month of February. Note: The higher 2.0 L rate may result in unacceptable skin marking, especially under slow drying conditions. <b>Gold3</b> - May be applied at 1.0 L /100L water between 14-21 days immediately after fruit set and then again in the second or third week of February. Application outside of these times or at higher rate may result in unacceptable skin marking or fruit softening and/or premature fruit drop. <b>NOTES: All applications should be in response to a demonstrated need and be in accordance with the Crop Protection Programmes for export kiwifruit.</b> Use conventional aircraft spray volumes post bloom of 2,000 to 2,200L of water per hectare. The use of concentrate spraying or very high volumes of water (>2,500L) are not advised. Avoid spray overlap and slow drying conditions.	

Registered pursuant to the ACVM Act 1997, No P009104. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to HSN0 Act 1996, No HSR 100946. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**NOTICE TO BUYER:** This product must be used in accordance with the directions for use. Other than warranted by New Zealand consumer protection law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

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**Batch No:**

**Date of Manufacture:**



SCE90/B07