

**orion** AGRISCIENCE

**HARMFUL | COMBUSTIBLE LIQUID**  
KEEP OUT OF REACH OF CHILDREN

# Saprol<sup>®</sup>

## FUNGICIDE

A systemic eradicator and protective fungicide of the DMI group, active against various fungal diseases on cucurbits, fruit and ornamentals.

**Active Ingredient:**

190 g/litre TRIFORINE in the form of an emulsifiable concentrate also contains 294 g/litre dimethyl formamide.



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**5 Litres**

## PLEASE READ THE LABEL COMPLETELY BEFORE USE

**HAZARD CLASSIFICATION:** 3.1D, 6.1E, 6.3A, 6.4A, 6.8A, 6.9A, 9.1D, 9.3C.

**COMBUSTIBLE LIQUID:** Do not store or use near heat, flame or sources of ignition.

**HARMFUL:** This material may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. May cause reproductive damage or organ damage from repeated oral exposure. Avoid contact with eyes, skin and clothing, and inhalation of spray mist.

**HARMFUL TO AQUATIC ORGANISMS:** Do NOT contaminate surface water such as ponds, waterways or drains with product or used container. Do NOT spray over, or allow drift over, surface water.

**HARMFUL TO TERRESTRIAL VERTEBRATES:** Remove domestic animals from the operating area. Do NOT allow spray drift outside the target area to occur.

### PRECAUTIONS

**STORAGE:** Store in original container, tightly closed, in a well ventilated area, as cool as possible, out of direct sunlight, and under lock and key. Do NOT store near food, feedstuffs, animals or fertilisers. When stored appropriately this product should show no significant degradation for three years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this. Stores containing more than 1000 litres require emergency response plans and secondary containment systems, and are subject to signage.

**TRANSPORT:** Do NOT carry this product on a passenger service vehicle.

**SPILLAGE:** Extinguish all ignition sources, and prevent any product from entering drains. Wear appropriate protective clothing. Absorb spill with an inert material and place in a labelled, sealable container for disposal. Wash the spill area with water and detergent, then absorb the washings and place in the same sealable container. Dispose of container in an approved landfill or under at least 50cm of soil in a non-crop, non-pasture area away from water sources and homes.

**PERSONAL PROTECTION:** When mixing or applying wear impervious waterproof clothing, suitable gloves, and face and eye protection.

**GENERAL SAFETY AND HYGIENE MEASURES:** Avoid contact with eyes and skin or inhalation of the spray mist. Wash splashes of concentrate from skin and eyes immediately. Do NOT eat, drink or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use. Store work clothing separately.

**EQUIPMENT:** Apply with well-maintained and accurately calibrated equipment. Clean out application equipment thoroughly after use.

**RECORD KEEPING:** Records of use must be kept. NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

**DISPOSAL:** Container: Triple rinse container and add residue to the spray tank. Burn rinsed container in an appropriate incinerator if circumstances, especially wind direction, permit. Otherwise crush and bury in a suitable landfill. Product: Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn.

**FIRST AID:** If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre **0800 POISON (0800 764 766)** or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If product is splashed in eyes, wash out immediately with water. If inhaled, move victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

### SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Freephone

**0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

### GENERAL INSTRUCTIONS

#### MIXING

Add the required amount of @Saprol to the spray tank while topping up, with agitators running or while stirring. Maintain agitation whilst spraying. Spray within 8 hours after preparation.

#### COMPATIBILITY

SAPROL can be mixed with most commonly used pesticides except tin based compounds, streptomycin, and alkaline materials such as Bordeaux mixture and lime sulphur. Do NOT use in mixture with propargite or nectarines. Saprol is compatible with Kocide, and SunSpray, oil.

#### APPLICATION

May be applied through all conventional orchard and ground spraying equipment.

**MOTORISED MIST BLOWER KNAPSACK:** Apply 2-3 litres/ha. As a guide use 30 ml/10 litres on medium restrictor and throttle settings. Lightly move all foliage in the air stream.

#### RAINFALL

Avoid application if rain is immediately imminent - spray must have time to dry on the plant. If heavy rain follows soon after treatment use the shorter spray interval.

#### WITHHOLDING PERIODS

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

Stonefruit 1 day, tomatoes and cucurbits 3 days, apples 35 days, all other crops 14 days.

#### CONDITIONS OF SUPPLY

As no control can be exercised over the manner in which, or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

®SAPROL is a Registered Trade Mark of Sipcam Pacific Australia Pty Ltd.

®DELAN is a Registered Trade Mark of BASF.

®KOCIDE is a Registered Trade Mark of El du Pont de Nemours.

**Registered to:** Sipcam Pacific Australia Pty Ltd, Level 1, 191 Malop Street, Geelong VIC 3220, Australia.

**Distributor:** Orion AgriScience Ltd,

Unit 1, 15 Sir Gil Simpson Drive,  
Harewood, Christchurch 8053.

[www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

Batch No:

Date of manufacture:

SAPROL

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AGRISCIENCE

## PLEASE READ THE LABEL COMPLETELY BEFORE USE

**DIRECTIONS FOR USE:** All rates are for high volume spraying to run off. For concentrate spraying adjust rates accordingly.

**IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.**

**RESISTANCE MANAGEMENT:** Resistance to this product and related DMI fungicides could develop in some disease situations from repeated use. To minimize this risk use strictly in accordance with label instructions.

CROP	DISEASE	RATE	CRITICAL COMMENTS
Apples	Powdery Mildew Black Spot	100ml per 100L (at least 2.5L/ha)	Apply from green tip to full bloom at 7-10 day intervals or as required, ensuring good coverage. Continue at 10-14 day intervals as required from full bloom. Use the shorter interval where disease has been or is severe. Use after late pink may cause russet. Some suppression of European red mite may be obtained. May be applied using semi-concentrate equipment. Do not apply within 35 days of harvest. <b>Resistance Management:</b> Always mix with a blackspot protectant fungicide. Do not use more than 4 applications during the season. In seasons of extreme disease pressure a maximum of 6 applications in mixtures could be used.
Cucurbits	Powdery mildew	150ml per 100L (at least 1.5L/ha)	Apply at the first sign of infection and repeat 10 days later. Do not apply within 3 days of harvest. <b>Resistance Management:</b> Apply a maximum of two Saprol sprays per crop per year, preferably in mixture with non-DMI fungicide. Use non-DMI fungicides at other times. Ensure full coverage of foliage.
Currants (Red and black)	Mycosphaerella leaf spot	200mL per 100L (2L/ha for first year bushes and 4L/ha for cropping bushes)	Apply at 10-14 day intervals from early green tip to 10% flowering. Immediately post harvest resume application at 200mL per 100L at 14-21 day intervals and continue at 14-21 day intervals until growth stops. Good coverage is important.
Grapes	Powdery Mildew	100mL per 100L (at least 2L/ha)	Commence application bud burst and repeat every 2-3 weeks. <b>CAUTION:</b> Continued use after flowering may cause russetting of berries with some varieties. Do not apply within 14 days of harvest. <b>Resistance Management:</b> Use a maximum of four Saprol applications per season, preferably mixed with a protectant fungicide (eg. Sulphur or Delan®). Do not apply before flowering. No more than two Saprol sprays should be applied alone per season.

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CROP	DISEASE	RATE	CRITICAL COMMENTS
Ornamentals (1) Roses	Black spot Powdery Mildew Rust	100mL per 100L	Apply as a high volume spray when infection is expected and repeat at 10-14 day intervals. Caution should be exercised over mixing Saprol with other products and it is recommended that a few plants be sprayed with any proposed mixture to ensure their tolerance.
	(2) Other Powdery Mildew Rust	100mL per 100L	Apply when infection is expected and repeat as necessary. <b>Resistance Management:</b> Apply a maximum of three Saprol sprays per crop preferably in mixture with protectant fungicide. Use non DMI fungicides at other times. Ensure full coverage of foliage.
Stone fruit (excluding plums)	Brownrot	100mL per 100L (at least 2L/ha)  POST HARVEST DIP TO CONTROL BROWN ROT: 100mL per 100L	Apply at 7-10 day intervals from pink bud to shuck fall. Use the shorter spray interval under severe infection conditions or where heavy infection has occurred in the previous season. Under slow drying conditions some skin marking may occur on smooth skin varieties where spray deposits run to drips. Do not apply within one day of harvest. Saprol may provide some suppression of European red mite. <b>Resistance Management:</b> Apply a maximum of three Saprol sprays, preferably in a mixture with non DMI fungicide. Use non DMI fungicides at other times. Dip fruit for 30 seconds as soon as practical after harvest. Note: Rhizopus fruit rot will not be controlled.
Stone fruit (excluding plums)	Rust	100mL per 100L	Apply at first sign of disease and repeat at 10-14 day intervals using the shorter interval if the disease is severe. <b>Resistance Management:</b> Apply a maximum of three Saprol sprays, preferably in a mixture with non DMI fungicide. Use non DMI fungicides at other times.
Strawberries	Frogs eye leaf spot	200mL per 100L (Use a minimum of 2L/ha)	Begin spraying as soon as new growth is seen. Frogs eye is a wet weather disease. If troublesome, spray every 7-10 days. Do not apply within 14 days of harvest. <b>Resistance Management:</b> Apply a maximum of three Saprol sprays, preferably in a mixture with a protectant fungicide. Use non DMI fungicides at other times. Ensure full coverage of foliage.
Tamarillos	Powdery mildew	100 ml per 100L (at least 2 litres/ha)	Apply at 14-21 day intervals throughout the season. Use the shorter interval if the disease is severe. Do not apply within 14 days of harvest. <b>Resistance Management:</b> Apply a maximum of three Saprol sprays per crop preferably in mixture with protectant fungicide. Use non-DMI fungicides at other times. Ensure full coverage of foliage.
Tomatoes	Leaf mould (Cladosporium)	150mL per 100L (at least 1.5L/ha)	Apply as a preventative spray at 7-10 day intervals. Do not apply within 3 days of harvest.