

IMPORTANT

Protector^{hml} is a product that contains various liquid soaps that will layer out over time. They will readily recombine by either rolling the drum or gently stirring through the bung hole. It is recommended that this is done the day before and immediately before the product is used.

NET CONTENTS 20 & 200 litres

Henry Manufacturing Limited Protector^{hml}

A Fungicide for the Control of Botrytis on Grapes An Adjuvant to improve coverage of fungicides on Grapes

ACTIVE INGREDIENT: Contains 182 g/litre fatty acids (Potassium salts) in the form of a soluble concentrate

Registered pursuant to the ACVM Act 1997. No.P7149

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

Manufactured and Distributed by :

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Registered to: Henry Manufacturing Limited
PO Box 12015, Ahuriri, Napier.

LOW TOXICITY

Harmful – May cause eye irritation. Avoid contact with the eyes.

Designed for biocidal action against fungous diseases. Avoid contamination of any water supply with chemical or empty packaging.

PRECAUTIONS:

Keep out of the reach of children.

Store in original containers, tightly closed, in a cool dry, well ventilated place.

Do not eat, drink or smoke while using.


Avoid skin contact and inhalation of spray mist.

Wear overalls, gloves and goggles while mixing and spraying.

Remove protective clothing and wash hands and exposed skin before meals and after work.

Wash protective clothing daily after work.

Storage & Disposal: Store in original packaging, tightly closed, in a cool, dry, well ventilated place. Triple rinse container and empty rinsate into spray tank, recycle or otherwise bury in landfill.


Warren Hughes
Principal Adviser ACVM
Regulation and Assurance



FIRST AID: If splashed in the eyes, flush with plenty of water for at least 15 minutes. If splashed on the skin wash with plenty of water.

DIRECTIONS FOR CONTROL OF BOTRYTIS ON GRAPES

It is an offence to use this product on animals

APPLICATION

Throughout the season up to veraison, apply sufficient water to obtain full coverage of bunches and leaf canopy. After veraison apply sufficient water to obtain full coverage of bunch line and surrounding canopy. Concentrate spraying is not recommended.

Protector^{hmi}'s mode of action is contact, therefore viticultural practices such as well tuned sprayers and adequate bunch exposure will optimise efficacy.

RATES OF USE:

Mix 2 litres of **Protector^{hmi}** per 100 litres of spray mix (2% solution) and apply to the point of run off. Water rates used depend on canopy development (no less than 450l/ha on 2.4m row equivalent). Higher water rates will give better coverage and better botrytis control. Low water rates and concentrate spraying is not recommended. When making late season bunch-line applications for botrytis control every effort should be made to saturate (flood) the bunch.

TIME OF APPLICATION:

Protector^{hmi} should be first applied at early flowering followed by a second application around late flowering, then applied at any other strategic growth stage such as pre-bunch closure and veraison or default to 14 day intervals throughout the season until withholding date occurs preharvest.

Late season applications are best applied before wet weather events. Keep application intervals close (7– 14 days) over extended wet periods.

If **Protector^{hmi}** is used as an adjuvant, use the timing as directed on the companion product.

DIRECTIONS FOR USE AS AN ADJUVANT ON GRAPES

APPLICATION:

Apply 500 mls of **Protector^{hmi}** per 100 litres of spray mix (0.5% solution).

Protector^{hmi} used as an adjuvant in the spray mix with sulphur will enhance powdery mildew control in both high and low water rate regimes.

Protector^{hmi} used as an adjuvant in the spray mix with copper hydroxides will enhance downy mildew and powdery mildew control (avoid this spray mix through flowering if there is a risk of slow drying).

Protector^{hmi} can be applied as an adjuvant on certified organic properties. Growers need to confirm with their certifiers before use.

COMPATIBILITY

Protector^{hmi} is compatible with copper hydroxide fungicides (see note above), potassium bicarbonate and sulphur.

Add **Protector^{hmi}** to the spray tank only after other materials have been added and are thoroughly mixed. **Protector^{hmi}** is an alkaline material. Do not add other pesticides or materials unless they have been specifically cleared as being compatible.

WATER HARDNESS

Protector^{hmi} when mixed in hard water (high in dissolved mineral cations) may have mixing issues. **Where growers have a known water hardness issue it is recommended that a small premix is made to determine mixing.**

WITHHOLDING PERIOD:

3 days before harvest when used in a 2% solution

1 day before harvest when used in a 0.5% solution (as an adjuvant)

Note: This is a voluntary limit that is not residue based (MRL based). It covers off conservatively the rare occurrence of an off-flavour that has developed in the past with use of **Protector^{hmi}**. This off-flavour has never been detected in wines.

For all industries, growers should refer to industry export spray schedules, before use

Protector^{hmi} can be applied on certified organic properties as a fungicide. Growers need to confirm with their certifiers before use.

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Exclusion of Liability: Please Read

To the extent permitted by law, buyers and/or users of the goods accept that Henry Manufacturing Limited as the manufacturer and distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

Batch No.

DOM

Shelf Life: When stored appropriately this product should show no significant degradation for 2 years from date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

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