



# Sentinel<sup>®</sup>

## Bio-fungicide

### NATURAL BOTRYTIS BIO-FUNGICIDE WP

A living barrier protection against botrytis on grapes and tomatoes.



200g net

# Agrimm<sup>®</sup>

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

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ACVM Act 1997 No. P7235  
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for registration conditions

#### Recommended for inclusion in all IPM programmes.

**Sentinel Bio-fungicide** is a biological agent that contains the proprietary strain \**Trichoderma atroviride* LU132, formulated as a wettable powder for spray application to protect grapes and tomatoes against grey mould, *Botrytis cinerea*. This naturally occurring strain of *Trichoderma* acts as a preventative botryticide. It aggressively colonises the foliage, flowers and fruit to protect against the development of botrytis bunch rot on grapes and protects against botrytis stem rot on tomato vines occurring from wounds made after leaf and truss removal.

**Active ingredient:** Contains a minimum 2.5 Billion (2.5 x 10<sup>9</sup>) colony forming units per gram *Trichoderma atroviride* (Strain LU132) in the form of a wettable powder.

\*Licensed from Lincoln University, Canterbury, New Zealand



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## Bio-fungicide

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS

#### DIRECTIONS FOR USE:

**BACKGROUND INFORMATION** - Sentinel is a safe, naturally occurring bio-fungicide, which prevents grey mould development by competitive exclusion of *Botrytis cinerea* establishment on the foliage, flowers and fruit. Sentinel is best applied with a wetter/sticker and a UV protectant for the biological active ingredient. Sentinel can be integrated into an overall pest and disease management programme (IPM). Alternating Sentinel with chemical fungicide applications may assist in minimising development of disease resistance to certain chemicals.

**MIXING INSTRUCTIONS:** Always pre-mix Sentinel by adding the contents of the sachet to 10 litres of fresh clean water. Ensure the mixing tank has been thoroughly washed to remove any chemical residues prior to mixing. Partially fill the spray tank with clean water and start agitation. Add the premixed Sentinel to the tank and top up to within 10 - 20 litres of the desired volume. Apply the wetter / sticker and UV protectant at the label rate.

**APPLICATION:** Sentinel may be applied as a preventative spray through all conventional spray equipment. Ensure good spray coverage to run-off for optimum disease control. Sprayers should be calibrated before use.

#### PRECAUTIONS:

- Keep out of reach of children
- Store refrigerated at 4 - 6°C
- To avoid airborne particles wear mask when mixing powder with water
- Wash hands and exposed skin before meals and after using
- Crush the empty sachet and bury in approved landfill
- Do not contaminate any water supply with material or empty pack
- Use contents within 28 days of opening sachet

**COMPATIBILITY:** Sentinel should not be tank mixed with chemical pesticides. May be applied 14 - 21 days after most chemical fungicides without compromising the biological activity.

**NOTE:** Sentinel bio-fungicide should be used completely on the same day of mixing with water; or discarded. Do not store once Sentinel is made up with water.

**NOTICE TO BUYER:** The manufacturer of Sentinel bio-fungicide makes no warranty of any kind on the use of this product and accepts no liability for results from its use whether used in accordance with the label directions or otherwise.

Crop	Disease	Rate	Critical Comments
Grapes	Grey mould Botrytis	200g in min. 300 litres to max. 500 litres water (66g/100L) to cover 1 Ha.	Start application at 5% cap fall, then repeat at 80% cap fall, pre-bunch closure and veraison. Alternatively, apply at start of flowering and re-apply every 21-28 days thereafter depending on weather conditions.  For optimum disease control under conditions of high disease pressure such as during wet or humid weather, alternate Sentinel application with conventional chemical fungicides.  Under conditions of latent infection or late disease pressure Sentinel may be applied up until harvest with no withholding period.
Tomatoes	Botrytis stem rot	200g in 500 litres water	Spray entire crop to run off ensuring all stems are well wetted every 14-21 days or soon after leaf or truss removal.

Manufactured, Registered and Distributed by

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EXPIRY DATE: 1 2 3 4 5 6 7 8 9 10 11 12 / 16 17 8 19 20 21

Batch No: ..... Date of Manufacture: .....

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