



Stop the Rot.

from bunch closure to harvest

SENTINEL BIO-FUNGICIDE LONG LASTING LIVING BARRIER PROTECTION

Sentinel is a registered bio-fungicide proven to protect against *Botrytis cinerea* (grey mould) in grapes. Tested and proven under New Zealand conditions for two seasons, Sentinel provides long lasting living barrier protection against Botrytis right up until harvest when used with NuFilm 17.

VERY COMPETITIVE

In conjunction with the Bio-Protection Centre at Lincoln University, Sentinel has been developed from a unique strain of Trichoderma, LC52, a beneficial fungus which creates a living barrier by aggressively colonizing leaves, flowers and any wound sites, where it actively competes with and repels invasion by Botrytis.

NATURALLY BETTER

Sentinel is the natural choice – a nil withholding period allows growers to apply Sentinel throughout the growing season. Sentinel is a Bio-Gro certified product with no residues.

Sentinel offers a powerful weapon in the growers integrated pest management arsenal. Although Botrytis is renowned for developing resistance to conventional fungicides, no such resistance to Sentinel is likely to occur due to its unique biological activity.

MODE OF ACTION

Sentinel stops the development of Botrytis by effectively blocking the sites normally attacked and infected by grey mould, Botrytis. Sentinel will protect flowers, foliage grape bunches and any damage sites and also help to contain the spread of pre-existing Botrytis to new sites. In this way Sentinel acts as a protectant bio-fungicide without obvious curative or reach back impact on Botrytis infections.

KEY FEATURES OF SENTINEL

- Cost effective with proven efficacy as a protectant fungicide
- A wettable powder formulation, leaves no coloured residue on the crop
- Nil withholding period
- Organic product. Bio-Gro certified
- New Zealand Technology from the Bio-Protection Centre at Lincoln University
- No safety issues

Stay on guard with Sentinel – proven treatment in the battle against Botrytis



Sentinel®



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DISTRIBUTED BY:



Phone 09 483 5526, Fax 09 917 1793, Email: sales@keyindustries.co.nz

USING SENTINEL

TIMING

1. Sentinel may be applied from flowering through until harvest. For superior bunch protection apply at pre-bunch closure and thereafter until harvest.
2. As a protectant bio-fungicide Sentinel provides a prolonged living barrier for up to 28 days under ideal conditions. However, under conditions of Botrytis disease always re-apply before rainfall.

SPRAY INTERVALS

As a full canopy spray apply Sentinel at 21-28 day intervals. Under heavy disease pressure, intervals should be reduced to 14-21 days. Always apply before rainfall or Botrytis disease pressure events.

APPLICATION RATE

Apply Sentinel at 66g per 100L water. Always apply with Nu-Film 17.

SENTINEL COMPATIBILITIES WITH CHEMICAL PESTICIDES

PRODUCT NAME	TYPE	ACTIVE GROUP(S)	COMPATIBILITY	
Amistar® Champ®, Kocide® Foli-R Fos® 400 Sulphur (Thiovit Jet®) Teldor®	F F F F F	azoxystrobin (strobilurin) copper hydroxide phosphorus acid sulphur hydroxylanilide] MAY BE TANK MIXED AT LABEL RATES WITH SENTINEL	
Aliette® WG	F	fosetyl-aluminium		
Captan Euparen Multi® Neptune® Quintec® Scala® Sumisclex®	F F F F F F	cyclic imide sulphamide pyrimidine phenoxyquinoline pyrimethanil (anilopyrimidine) procymidone (dicarboximide)] ALLOW 5 DAYS BEFORE APPLYING SENTINEL
Acrobat® MZ 690 Bravo® Mancozeb (Dithane® DF) Ridomil® Gold 2.5G Rovral® Flo Shirlan® Systhane® Switch® Thiram	F F F F F F F F F	morpholine, dithiocarbamate nitrile dithiocarbamate mefenoxam (phenylamide) iprodione (dicarboximide) pyridinamine myclobutanil (DMI - triazole) cyprodinil/phenylpyrrole (anilopyrimidine) disulphide		
Confidor® Eco oil® Endosulfan (Thiodan® 35EC)	I I I	chloronicotinyl canola oil sulphurous acid, cyclic diol ester		
Chess® WG Neem oil Success®	I I I	pyridine azomethine azadiractin spinosyn		

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 Dithane, Quintec, Systhane, and Success are registered trademarks of Dow AgroSciences
 Eco oil is a registered trademark of Organic Crop Protectants P/L Australia

Key: F = fungicide I = Insecticide

WATER RATE

For bunch line spray application use 200g in 250 – 300 L per ha. For higher water rates use 66g Sentinel per 100 L water.

WETTING AGENT

For grapes, - Sentinel should be applied with Nu-Film-17® at 600ml per ha as an sticker/adjuvant which protects the biological active ingredient against desiccation and UV exposure.

SAFETY

Non-toxic to humans, animals, wildlife and the environment, with no withholding period. May be applied right up until harvest.

PACKAGING

Sentinel is available in plastic foil sachets of 200g. Store in a cool place. Optimum storage conditions: 4°C. Do not freeze.

Sentinel is available from horticultural merchants. Further information is available by contacting: Agrimm Technologies Ltd, Ph: 0800 424-746 or Key Industries, Ph: 09 483-5526. www.tricho.com

Nu-Film-17 is a Registered Trademark of: Miller Chemical and Fertiliser Corporation, USA. Sentinel is a Registered Trademark of Agrimm Technologies Ltd, Christchurch, New Zealand.