

Vintec[®]

A biological fungicide to protect outdoor wine grapes against the pathogens of the ESCA diseases *Phaeomoniella chlamydospora* and *Togninia minima*

FOR USE AS A PROFESSIONAL FUNGICIDE

A water dispersible granule formulation containing 1×10^{13} colony forming units (CFU) *Trichoderma atroviride* strain SC1 per kg product

MAPP No.: 19606

GROUP

BM02

FUNGICIDE

Production date / Batch number: see packaging

STORE AND TRANSPORT BETWEEN 4°C AND 20°C MAXIMUM

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.



The Voluntary Initiative

This label is compliant with the CPA Voluntary Initiative Guidance.



Approval holder:

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IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crops/ situations:	Maximum individual dose: (g product/ha)	Maximum total dose: (g product/ha)	Maximum number of treatments: (per season)	Latest time of application:
Wine grapes (outdoor)	200	400	2 (7 day interval between applications)	1 day before harvest

Other specific restrictions:

Unprotected persons must be kept out of treated crops until the spray deposit has dried.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

VINTEC® - A WG formulation containing 1×10^{13} colony forming units (CFU) *Trichoderma atroviride* strain SC1 per kg product.

Precautionary statements:

P261 Avoid breathing dust.

P280 Wear protective gloves/protective clothing.

P284 Wear respiratory protection.

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EUH208 Contains active spores of *Trichoderma atroviride* SC1. May cause an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

24-hour emergency number: 0032 14 58 45 45

SAFETY PRECAUTIONS

Operator protection

ENGINEERING CONTROL OF OPERATOR EXPOSURE must be used where reasonably practicable in addition to the following personal protective equipment:

- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product or applying the product.
- *Disposable filtering facepiece respirator to at least EN 149 FFP3 or equivalent.

However, engineering controls may replace personal, protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- IF YOU FEEL UNWELL, seek medical advice IMMEDIATELY and show this container or label.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- Re-enter treated area/crops only after spray has dried.
- Microorganisms may have the potential to provoke sensitising reactions.

Environmental protection

- Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

Storage and disposal

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS
- KEEP IN ORIGINAL CONTAINER IN A COOL, WELL-VENTILATED PLACE.
- STORE BETWEEN 4°C AND 20°C MAXIMUM.

- DO NOT STORE IN DAMP CONDITIONS.
- DO NOT RE-USE CONTAINER FOR ANY PURPOSE
- VINTEC® contains living organisms. Shelf-life depends on the temperatures during storage:

Storage temperature	Shelf-life
4°C	24 months
20°C	6 months

- OPENED PACKAGES CAN BE STORED IN A REFRIGERATOR FOR 4 WEEKS.
- AVOID STORAGE FOR EXTENDED PERIODS IN DIRECT SUNLIGHT AND AT TEMPERATURES ABOVE 20°C.

Important notes:

- DO NOT ALLOW THE DILUTED PRODUCT TO STAND OVERNIGHT.
- Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other products.
- Spraying equipment should be calibrated prior to use to ensure accurate application.

DIRECTIONS FOR USE

Important: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

VINTEC® is a biological fungicide to protect outdoor wine grapes against the pathogens of *Phaeomoniella chlamydospora* and *Togninia minima*. These pathogens can cause the symptoms of the ESCA disease in grape

vines. The *Trichoderma atroviride* SC1 living fungus contained in VINTEC® settles in cuts and protects them once established, acting as an antagonist to provide a reduction in ESCA disease.

The product can be used in both conventional and organic farming.

Resistance management

VINTEC® contains *Trichoderma atroviride* strain SC1. The fungus belongs to FRAC mode of action group BM02.

There are no reports of resistance to VINTEC® however, alternating with fungicides of different modes of action, is advisable for resistance management.

CROP SPECIFIC INFORMATION

VINTEC® is a biological fungicide to protect outdoor wine grapes against the pathogens of the ESCA diseases *Phaeomoniella chlamydospora* and *Togninia minima*.

Timing of application

VINTEC® is applied immediately on the cuts after pruning when vegetation is dormant during winter up to the flowering period of vines. For best results, the temperature during application should be >10°C combined with high levels of humidity (>70%). No rain or frost should be anticipated within 48 hours of application. VINTEC® can be applied via conventional crop sprayers. The pruning cuts should be thoroughly moistened during application. There should be no fungicide residues within the sprayer at application.

Rate of application and water volume

The rate of use is 200 g VINTEC®/ha applied typically in 100 L/ha water.

Spray schedule

Two applications of VINTEC® may be applied with an interval of 7 days between applications.

Application

Fill the spray tank with $\frac{3}{4}$ of the spray volume. Add the required amount of VINTEC® with the agitator stirring constantly. Fill the tank with the remaining water and maintain agitation until spraying is complete. The water temperature should be between 7°C and 15°C. The contents of the sprayer should be used on the day of mixing.

Latest time of application: One day before harvest.

Integrated pest management

- Bees will not be endangered when VINTEC® is applied in full accordance with the label instructions.
- VINTEC® is classified as non-lethal to populations of the predatory mite *Typhlodromus pyri*.

TANK CLEANING

Prior to applying VINTEC®, ensure the sprayer is thoroughly cleaned and rinsed with clean water. Residues from plant protection products used before the application of VINTEC® may have a negative effect on the viability of the microorganism *Trichoderma atroviride* strain SC1. It is not recommended to use water that contains a disinfecting substance.

Thoroughly wash all spraying and measuring equipment with water immediately after use. Dispose of washings and cleaned containers according to the DEFRA Code of Practice and local authority guidance.

COMPATIBILITY

DO NOT tank mix VINTEC® with any plant protection

products without checking with the manufacturer. VINTEC® is sensitive to fungicides, acids and hydroxide, as well as other products that attack organic matter.

Spray Nozzles

A **FINE** quality spray (as defined by BCPC) is preferred for application of VINTEC®. Choice of nozzle is determined by consulting manufacturer's literature and selecting a nozzle that produces a fine quality spray at an output consistent with the nozzle spacing on the boom, chosen forward speed, required spray volume and operating in the range 2-3 bar.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality of fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

WARRANTY

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with use and/or handling and/or the storage of the product, if this use and/or

handling and/or storage are carried out contrary of the instructions on the label.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



WEBLINK to specific data sheet
on manufacturer's website:

www.belchim.co.uk/pdf/MSDS/Vintec_MSDS.pdf

Alternatively, contact your supplier.