

# Vintec<sup>®</sup>

**A biofungicide for the protection of almonds and grapevines against Esca disease complex and other wood and canker diseases (*Eutypa* sp., *Botryosphaeria* sp., *Cytospora* sp.)**

**Active Ingredient:**

*Trichoderma atroviride* strain SC1 ..... 15.0%

**Other Ingredients:** ..... 85.0%

**Total** ..... 100.0%

Contains a minimum of  $9 \times 10^9$  colony forming units (CFU)/gram of active ingredient.

**KEEP OUT OF REACH OF CHILDREN**

EPA Reg. No. 92083-2

EPA Est. No. \_\_\_\_\_

Net Weight: 50 g each

Total Net Weight: 200 g

**Lot No.**

**Manufactured on:**

**Manufactured for:**

Bi-PA nv  
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Belgium  
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**Distributed by:**

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## PRECAUTIONARY STATEMENTS

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)
- long-sleeved shirt and long pants
- shoes and socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

### USER SAFETY RECOMMENDATIONS

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

### Environmental Hazards

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that

are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

- Coveralls
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks

**IMPORTANT:** Read the entire label before using this product.

For optimal results, ensure that rain or frost does not occur within 48 hours after application.

Apply VINTEC® using conventional spray equipment adapted to target the pruning wounds (power operated application equipment or a backpack sprayer). In all cases, make treatment on each side of the crop row. Use an amount of water sufficient to cover all the pruning wounds.

VINTEC® is more effective when used in combination with cultural prophylactic measures, such as quality of scions and rootstocks, quality of grafting, type, period and quality of pruning, and limitation of inoculum in field by elimination of dead woods and vines.

#### **MIXING AND SPRAYING**

Thoroughly clean application equipment before use and thoroughly rinse with clean water. Residues of products used before application of VINTEC® can have a negative effect on the survival of the microorganism, *Trichoderma atroviride* strain SC1. Do not use water containing sanitizing/disinfecting substances.

Partially fill the tank with the required quantity of water (as directed in application instructions), turn on the agitation system, and slowly add the required amount of VINTEC® to the partially filled tank (as directed in application instructions). Finish filling the tank with water and maintain agitation throughout application. A water temperature between 45°F and 60°F is recommended. **Apply the spray solution within 24 hours of preparation.**

#### **Compatibility:**

Do not mix VINTEC® with other plant protection products. VINTEC® is sensitive to fungicides, acids, hydroxides, and organic oxidizers. VINTEC® may be combined with *Mycorrhizae*, *Bacillus* spp., and root stimulating hormones. For compatibility with other plant protection products, please contact AMVAC Chemical Corporation.

## APPLICATION INSTRUCTIONS

### For dip or drench treatment in nurseries

Crop	Application Rate (Ounces of product/gallon of water)	Target Pest	Number of Treatments	Time of Application
Grapevine (nursery): Rootstocks and scions	0.25	Esca disease complex and other wood diseases	1 - 4	During processes in nursery, e.g.: - watering of scions and rootstocks before storage - re-watering of scions and rootstocks before grafting - stratification - acclimatization

### For agricultural applications

Crop	Application Rate (Ounces of product per acre)	Target Pest	Use Instructions
Almond	1.4 – 2.8	<i>Eutypa</i> sp., <i>Cytospora</i> sp., <i>Botryosphaeria</i> sp. and other canker diseases	Apply 1-2 times in a sufficient water volume (10-30 gal/A) during winter dormancy period. Apply shortly after pruning. Best efficacy is achieved at temperatures above 50 °F and at high relative humidity.
Grapevine	2.8	Esca disease complex and other wood diseases	Apply 1-2 times in a sufficient water volume (10-20 gal/A) during winter dormancy period. Apply shortly after pruning. Best efficacy is achieved at temperatures above 50 °F and at high relative humidity.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** VINTEC® must be stored out of direct sunlight in a cool, dry place. Do not freeze. From date of manufacture, unopened product can be stored: 6 months at 68°F (20°C) or 24 months at 39°F (4°C). Store only in original container in an area designated for pesticide storage. Keep out of reach of children. Once container is opened, product is stable at 39°F (4°C) for one month.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an

approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

#### Conditions of Sale

To the extent consistent with applicable law, the seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on this 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 to the instructions on this label. To the extent consistent with applicable law, any liability arising from the handling, storage and use of this product is limited to replacement of product or refund of purchase price.