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BloomtimeTM

Biological FD Biopesticide

REV 05/16 BO
FFN 00234

BACTERIAL ANTAGONIST TO REDUCE THE SEVERITY OF FIRE BLIGHT

For Organic Production

ACTIVE INGREDIENT:

Pantoea agglomerans strain E325;

NRRL B-21856*

7.0%

OTHER INGREDIENTS:

93.0%

TOTAL

100.0%

*Minimum *Pantoea agglomerans* sps 1×10^{10} cfu/g

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See inside booklet for complete First Aid, Precautionary Statements, Directions For Use, and Conditions of Sale and Limitation of Warranty and Liability

EPA Reg. No. 73771-2

This product is manufactured by:
Verdesian Life Sciences, U.S., LLC 1001 Winstead Drive, Suite 480, Cary, NC 27513
Customer Service: 800-868-6446

Bloomtime is a trademark of Verdesian Life Sciences



Target Market

FIRE BLIGHT

Target Usage/
Application

BIOPESTICIDE

FIRST AID

IF INHALED

- Move person to fresh air.
- If person is not breathing, call 9-1-1 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN

- Take off contaminated clothing.
- Rinse skin with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for further treatment advice.

IF SWALLOWED

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact InfoTrac at 1-800-535-5053 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS - Agricultural Use

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- NIOSH approved respirator with any N, R, P or HE filter

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

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Agricultural Use

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 washwaters or rinsate. Do not apply when weather conditions favor drift or runoff from treated areas.

GENERAL INFORMATION

Bloomtime™ is a naturally occurring *Pantoea agglomerans* that suppresses fireblight. For optimal use of this product, apply prior to colonization by the pathogen.

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.

Dilution Rates: Use the following dilution rates when applying **Bloomtime™**. For optimal results spray immediately upon mixing. Do not allow spray mix to stand overnight or for prolonged periods.

Application Rates: Apply **Bloomtime™** to flowering apple and pear trees at the following times and rates:

Early Bloom: Use 0.33 lb (150 grams) per acre in enough water to thoroughly cover the open flowers.

First Petal Fall - Full Bloom: Use 0.33 lb (150 grams) per acre in enough water to thoroughly cover the open flowers.

Post Petal Fall: Use 0.33 lb (150 grams) per acre in enough water to thoroughly cover the open flowers when a third application is needed.

Dilution Instructions: Use the coverage characteristics of the application equipment and overall plant size to determine the proper volume of water needed.

Apply in 50-150 gallons of water per acre as long as volume is large enough to cover all open flowers. The spray must thoroughly cover the open blooms.

During extended bloom periods up to 2 additional treatments of **Bloomtime™ Biological** may be applied.

Compatibility: **Bloomtime™** is compatible with streptomycin. Allow a minimum of three days between applications of **Bloomtime™** and oxytetracycline. **Bloomtime™ is not compatible with copper-based compounds.** Before mixing with other products, consult with a licensed crop advisor.

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, forest, nurseries and greenhouses and handlers of agriculture 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. 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 workers 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
- Waterproof gloves
- Shoes plus socks.

USE RESTRICTIONS

Do not apply through any type of irrigation system.

Do not apply Bloomtime™ Biological FD Biopesticide on orchards abutting newly planted conifer forestry blocks.

STORAGE AND DISPOSAL

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

Pesticide Storage: Bloomtime™ must be kept in the original package at temperatures between -4°F (-20°C) and 40°F (4.4°C), frozen or refrigerated. Carry-over should be kept in a frozen state at 20°F (-7°C) or below.

Pesticide Disposal: Waste resulting from the use of this product may 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 dispose of bag in a sanitary landfill by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions for use of this product are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of VERDESIAN LIFE SCIENCES (VERDESIAN). To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

VERDESIAN warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, VERDESIAN makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, VERDESIAN disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product. No agent of VERDESIAN is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at VERDESIAN's election, the replacement of product.

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