

Frostban B

ACCEPTED

MAY 31 2001

Product of the United States of America,
The Federal Insecticide, Fungicide, and Rodenticide Act,
and the amendments thereto, for the pesticide
Registration Agency
EPA Reg. No. 64004-2

For reduction of frost and frost damage on cherry, apple, pear, almond, peach, tomato, potato, and strawberry. Aids in fire blight and fruit russetting suppression on apple and pear.

ACTIVE INGREDIENTS:

Pseudomonas fluorescens A506 71%
 INERTS 29%

(Contains 1 x 10¹⁰ CFU/gm)

EPA Reg. No 64004-2

EPA Est. No. 72976-FL-1

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- 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 OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. 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 a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENT.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

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

USER SAFETY RECOMMENDATIONS

Users should: (1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet; (2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing; (3) 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

Keep out of lakes, ponds or streams. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

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

STORAGE: Store the container in the freezer, unopened, until ready to apply.

PESTICIDE DISPOSAL: Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law.

CONTAINER DISPOSAL: 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.

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 agency responsible for pesticide regulation.

DO NOT APPLY THROUGH ANY TYPE OF IRRIGATION SYSTEM.

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), notification to workers 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 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; waterproof gloves; shoes plus socks.

GENERAL INFORMATION

MODE OF ACTION: **Frostban B** contains a non-frost forming strain of naturally-occurring *Pseudomonas* which competitively reduce or suppress the growth of frost-forming and fire blight inducing bacteria on plant leaves, blossoms, and fruit. Aids in reduction of fruit russeting caused by russet inducing bacteria.

DILUTION RATES:

Use the following dilution rates when applying **Frostban B**. Use the coverage characteristics of the application equipment and plant size to determine the volume of water. Spray solution should be used within 48 hours of mixing. Standard municipal chlorinated water does not significantly reduce viability.

CONCENTRATE: 50-150 gallons per acre

DILUTE: 200-350 gallons per acre

FROST PROTECTION:

For frost protection apply 5.3 oz. (150 grams) in concentrate sprays or 7 oz. (200 grams) as a dilute.

Application and Mixing Instructions: For best results, make initial spray when plants are:

Tomato, Potato—Two true-leaf expansion.

Strawberry—First bloom initials emerging from crown.

Almond, Apricots, Blueberries, Peach, Nectarine—First bloom at about 10% fully-opened.

Apple, Pear, Cherry—Late green tip-half inch green tip.

Repeat treatments as necessary, with a total of 2-3 applications. Uniform application to blossom and leaf tissue is essential. Fill the spray tank $\frac{3}{4}$ full of water and add recommended amount of **Frostban B** to the tank. Mix thoroughly while adding the remainder of the water. Agitate as necessary to maintain suspension.

FIRE BLIGHT AND FRUIT RUSSETING REDUCTION:

Frostban B should be used in an integrated fire blight suppression program. **Frostban B** improves suppression with any existing antibiotic spray program. As an aid in the suppression of fire blight and fruit russeting in pears and apples, select one of the application methods below. When applied as a concentrate spray, using either method, better control is obtained when using a minimum of 100 gallons of water per acre.

Method 1: Apply 5.3 oz. (150 grams) as a concentrate or 7 oz. (200 grams) as a dilute spray. The first application should be made at early bloom followed by a second application at first petal fall—full bloom, and a third application at "rattail" bloom for pear, or post petal fall for apples.

Method 2: Apply 2.6 oz. (75 grams) as a concentrate 3.5 oz. (100 grams) as a dilute spray. Apply to alternate rows with the first application at early bloom followed by a second application to the untreated rows, one week later. Make the third and fourth applications using the same rates, applied to alternating rows at first petal fall-full bloom. For the final two applications, use the same rates and method for the final applications and apply at "rattail" bloom for pear or post petal fall for apples.

Compatibility: Do not tank mix with copper-based compounds. **Frostban B** is compatible with streptomycin, Rovral®, Benlate®, and other crop protection products. If the mixture has not been used before, it is recommended that small test areas be treated before undertaking large-scale application. Allow at least 5 days between the application of **Frostban B** and Terramycin® application. **Copper sprays or copper dust applications are incompatible with the performance of this product.**

BUNCH ROT REDUCTION-GRAPES:

As an aid to control bunch rot caused by species of *Acetobacter* bacteria (sour rot) in combination with *Aspergillus niger* and *Botrytis cinerea*. Apply 5.3 oz. (150 grams) per acre at bloom and again prior to bunch closure.

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

FROSTBAN USEXCA-1 SPEC (PM6.5/PHT 1/01)

NET WEIGHT 10.5 oz. (300 grams)

Manufactured For:

PLANT HEALTH TECHNOLOGIES

P.O. Box 198, Lathrop, CA 95330