

DEC 5 1996

Lisa J. Strong, Regulatory Consultant
Frost Technology Corporation
P. O. Box 198
Lathrop, CA 95330

Dear Ms. Strong:

Subject: Frostban B
EPA Reg. No. 64004-2
Your letter dated September 19, 1996 and application
for amendment dated September 6, 1996
Your letter dated September 26, 1996
and enclosed draft labeling

Your application for a label amendment for the subject product under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for revisions to

change the words at the end of the **INGREDIENT STATEMENT** from "(Contains 11.5 x 10¹⁰ CFU/gm)" to "(Contains 1 x 10¹¹ CFU/gm)" and to

change the units for the rates of application in the **DIRECTIONS FOR USE** section from "5 ounces" or "7 ounces" to "150 grams" or "200 grams"

is acceptable provided you make, in addition, the changes to the label as noted below.

Under the **STATEMENT OF PRACTICAL TREATMENT** line please replace "IF IN EYES," with "IF IN EYES OR ON SKIN:".

Under the line **FROST PROTECTION:** insert a space between the word "apply" and the number "150".

A stamped copy of your draft label which shows the required changes is enclosed for your records. Please submit five (5) copies of your final printed label for each container size to the Agency before release of the product for shipment.

Enclosure

Sincerely,

9844/308-8717/BPD-sll-1/Pseudomonas fluorescens A506/PC = 6438

Janet L. Andersen, Director
BIOPESTICIDES and Pollution
Prevention Division (750IW)

SYMBOL	750IW	750IW					
SURNAME	DALL	HUTTEN					
DATE	12/03/96	12/3/96					

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Janet L. Andersen, Director
Biopesticides and Pollution
Prevention Division (7501W)

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FROSTBAN™ B

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

ACTIVE INGREDIENTS:
Pseudomonas fluorescens A506..... 71%
INERTS..... 29%
TOTAL..... 100%

(Contains 1 x 10¹¹ CFU/gm)

EPA Reg. No. 64004-2
EPA Est. No. 45398-MN-1
FROSTBAN™ is a registered trademark of Frost Technology Corporation.

KEEP OUT OF REACH OF CHILDREN CAUTION

ORCA SPIN
STATEMENT OF PRACTICAL TREATMENT
 IF IN EYES, flush with plenty of water. Get medical attention if irritation persists.

ACCEPTED
with COMMENTS
EPA Letter Dated
DEC 5 1996

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
 CAUTION: Avoid contact with eyes, skin or clothing.

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
64004-2

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)

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: Keep container unopened until use. Store unused product in original container. This product should be stored at temperatures between -4°F and 40°F (frozen or refrigerated) for long-term storage. This product may be stored at room temperature not to exceed 70°F for one week prior to use. Keep out of reach of children and animals.

PESTICIDE DISPOSAL: Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Unused material will be collected by the program manager.

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 requirement 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™ contains non-frost forming strains of naturally-occurring *Pseudomonas* which competitively reduce or prevent the growth of frost-forming and fire blight inducing bacteria on plant leaves, blossoms, and fruit.

FROST PROTECTION:

For frost protection, apply 150 grams of FROSTBAN™ B in concentrate sprays (50-150 gallons per acre) or 200 grams in dilute sprays (200-350 gallons per acre). Use higher rates within each recommended range depending upon coverage characteristics of application equipment and plant size.

Mixing and Application Instructions:

- For best results, make initial spray when plants are:
Tomato, Potato—Two true-leaf expansion.
Strawberry—First bloom initials emerging from crown.
Almond, Peach—First bloom at about 10% fully-opened.
Apple, Pear, Cherry—Late green tip - half-inch green tip.
- Repeat treatments as necessary (total 2-3 applications) to ensure uniform coverage to primary blossom and leaf tissue.
- Uniform spray coverage is required.
- Fill spray tank ¾ full with water and add recommended amount of this product to tank. Mix thoroughly while adding remainder of water. Agitate as necessary to maintain suspension.
- Spray solution should be used within 48 hours after mixing.
- Standard municipal chlorinated water does not significantly reduce viability.

FIRE BLIGHT REDUCTION:

FROSTBAN™ B should be used in an integrated fire blight control program. FROSTBAN™ B improves control with any existing antibiotic spray program.

As an aid in the control of fire blight in pears and apples, apply 150 grams of FROSTBAN™ B in concentrate sprays (50-150 gallons per acre) or 200 grams dilute sprays (200-350 gallons per acre). Better control is obtained with concentrate sprays of at least 100 gallons per acre. The first application should be made at 15-20% 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. Do not tank mix with ziram, mancozeb, maneb, copper-based compounds. FROSTBAN™ B is compatible with streptomycin, Terramycin®, Rovral®, and Benlate®. COPPER SPRAYS OR COPPER DUST APPLICATIONS ARE INCOMPATIBLE WITH THE PERFORMANCE OF THIS PRODUCT.

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.

PHT 2037SPEC (9/96)

NET WEIGHT 10.5 ozs. (300 grams)

FROST TECHNOLOGY CORPORATION
P.O. Box 198 • Lathrop, CA 95330