



Reg # 64004-1

PM-21

195 file

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAY 26 1994

J. SCOTT THENELL  
LANDIS INTERNATIONAL INC.  
AGENT FOR: FROST TECHNOLOGY CORP.  
BOX 5126  
VALDOSTA, GA. 31603

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 04/21/94 Response to PR Notice 93-7  
EPA Reg. No. 64004-1  
FROSTBAN A

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



**Recycled/Recyclable**  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

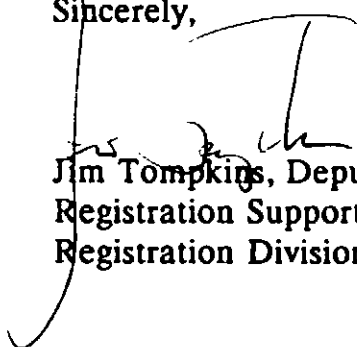
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

J. Scott Thenell  
LANDIS INTERNATIONAL INC  
AGENT FOR: FROST TECHNOLOGY CORP  
BOX 5126  
VALDOSTA GA 31603

Comment for: EPA Reg Nr.64004-1  
FROSTBAN A

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The respirator requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is incorrect. Remove the incorrect requirement (if any) and add "Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)." The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

Correct the typographical errors circled on your proposed label.

Revised to include  
EPA statements 495

# FROSTBAN™ A

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

<i>Pseudomonas fluorescens</i> A506.....	23%
<i>Pseudomonas syringae</i> 742RS.....	24%
<i>Pseudomonas fluorescens</i> 1629RS.....	24%
INERTS.....	29%
<b>TOTAL.....</b>	<b>100%</b>

(Contains 11.3 x 10<sup>9</sup> CFU / gm)

## STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES,** flush with plenty of water. Get medical attention if irritation persists.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Avoid contact with skin or clothing.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

## PERSONAL PROTECTIVE EQUIPMENT

MAY 26 1994

### APPLICATORS AND OTHER HANDLERS MUST WEAR:

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

- . Long-sleeved shirt and long pants
- . Waterproof gloves
- . Shoes plus socks
- . For exposures outdoors; a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposures in enclosed areas; dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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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

**BEST AVAILABLE COPY**

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 temperature 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, add 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

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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 Workers Protection Standard.

Do not entry or allow entry into treated areas during the restricted entry interval (REI) of 12 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 5 ounces of Frostban™ A in concentrate sprays (50-150 gallons per acre) or 7 ounces 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.
  - 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 3/4 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.
- Almond, Peach — First bloom at about 10% fully-opened  
Apple, Pear, Cherry — Late green tip - half-inch green tip

#### FIRE BLIGHT REDUCTION

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

As an aid in the control of fire blight in pears and apples, apply 5 ounces of Frostban™ A in concentrate sprays (50-150 gallons per acre) or 7 ounces in 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 or Terramycin™. Frostban™ A is compatible with streptomycin, Rovral™, and Benlate™.

COPPER SPRAYS OR COPPER DUST APPLICATIONS ARE INCOMPATIBLE WITH THE PERFORMANCE OF THIS PRODUCT.

EPA Reg. No. 64004-2

EPA Est. No.  
NET CONTENTS

Frost Ban™ is a registered trademark of Frost Technology Corporation.

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CPC 2660 2

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