



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 18, 2017

Danielle A. Larochelle
Regulatory Manager
Nufarm Americas Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

Subject: Labeling and Formulation Notification per Pesticide Registration Notice (PRN) 98-10 -
To change the company address and other minor changes to the label
Product Name: FROSTBAN B
EPA Registration Number: 228-710
Application Date: November 21, 2017
OPP Decision Number: 536146

Dear Ms. Larochelle:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling and Confidential Statement of Formula (CSF) submitted with this application have been stamped "Notification" and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 11/30/2017

Page 2 of 2
EPA Reg. No. 228-710
OPP Decision No. 536146

Any CSFs other than that listed above are superseded/no longer valid.

If you have any questions, please contact Michael Glikes of my team by phone at (703) 305-6231 or via email at glikes.michael@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Alan Reynolds". The signature is fluid and cursive, with a long horizontal stroke at the end.

Alan Reynolds, Team Leader
Emerging Technologies Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

FROSTBAN B

FOR REDUCTION OF FROST AND FROST DAMAGE ON CHERRY, APPLE, PEAR, ALMOND,
PEACH, TOMATO, POTATO, AND STRAWBERRY. AIDS IN FIRE BLIGHT AND FRUIT RUSSETING
SUPPRESSION ON APPLE AND PEAR

[ALTERNATE BRAND NAME: BLIGHTBAN® A506]

NOTIFICATION

228-710

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/18/2017

ACTIVE INGREDIENT:

Pseudomonas fluorescens A506 71%

OTHER INGREDIENTS: 29%

TOTAL: 100%

Contains 1 x 10¹⁰ CFU/gm

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE ~~INSIDE BOOKLET~~ **BELOW** FOR FIRST AID AND ~~ADDITIONAL~~ PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-710
EPA EST. NO. 72976-FL-1

Manufactured For
NUFARM AMERICAS INC.
11901 S. AUSTIN AVE ~~150 Harvester Drive~~
ALSIP, IL 60803 ~~Burr Ridge, IL 60527~~



NET CONTENTS: _____ oz. (_____ grams)

[Optional Marketing Tagline: **Grow a better tomorrow.**]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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:

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

FIRST AID

IF ON SKIN OR CLOTHING

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

HOTLINE 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 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

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

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.

PRODUCT INFORMATION

MODE OF ACTION

This product contains a non-frost forming strain of naturally-occurring *Pseudomonas* which competitively reduces or suppresses the growth of frost-forming and fire blight inducing bacteria on plant leaves, blossoms, and fruit. This product aids in reduction of fruit russeting caused by russet inducing bacteria.

DILUTION RATES

Use the following dilution rates when applying this product. Use the coverage characteristics of the application equipment and plant size to determine the volume of water.

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 spray.

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 this product to the tank. Mix thoroughly while adding the remainder of the water. Agitate as necessary to maintain suspension. Spray solution should be used within 48 hours of mixing. Standard municipal chlorinated water does not significantly reduce viability.

FIRE BLIGHT AND FRUIT RUSSETING REDUCTION:

This product should be used in an integrated fire blight suppression program. This product 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 or 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. This product 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 this product 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.

STORAGE AND DISPOSAL

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

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

SPILL: In case of spill, sweep up material and dispose of according to "PESTICIDE DISPOSAL" directions listed below.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest Environmental Protection Agency regional office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV112117)

[BlightBan is a registered trademark of _____]

BATCH CODE: _____