

# BLIGHTBAN® A506

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

**ACTIVE INGREDIENT:**

*Pseudomonas fluorescens* A506..... 71%

**OTHER INGREDIENTS:** ..... 29%

**TOTAL:** ..... 100%

Contains 1 x 10<sup>10</sup> CFU/gm

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
SEE INSIDE BOOKLET 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.  
150 Harvester Drive  
Burr Ridge, IL 60527



NET CONTENTS: 10.5 oz. (300 grams)

**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.

**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 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 russetting 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 russetting 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. This product is compatible with streptomycin, Rovral<sup>®</sup>, Benlate<sup>®</sup>, 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<sup>®</sup> 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.

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