


71975-1

09/11/2006

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Biopesticides and Pollution Prevention Division (7511C) 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u>x</u> Registration Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number: 71975-1	Date of Issuance: 9-11-06
	Term of Issuance: Unconditional	
	Name of Pesticide Product: Bloomtime Biological™ FD Biopesticide	

Name and Address of Registrant (include ZIP Code):
Northwest Agricultural Products
821 South Chestnut Avenue
Pasco, Washington 99301

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following conditions:

- 1) This registration is limited to the end-product, Bloomtime Biological™ FD Biopesticide, which contains the active ingredient, *Pantoea agglomerans* strain E325.
- 2) Change "EPA Registration Number 71975-R" to "EPA Registration Number 71975-1" on the final printed label.
- 3) The registrant must provide the Agency an upgraded analysis of samples.

Signature of Approving Official: (Signature on the second page)	Date: 9-11-06
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EPA Form 8570-6

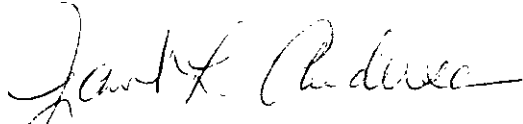
CONCURRENCES

SYMBOL	7511R	7511P						
SURNAME	Coyle	Reilly						
DATE	9/5/06	9/7/06						

- 4) Submit five (5) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

A stamped copy of the label is enclosed for your records.

Sincerely,

A handwritten signature in cursive script, appearing to read "Janet L. Andersen".

Janet L. Andersen, Ph.D., Director
Biopesticides and Pollution
Prevention Division (7511C)

Enclosure

Bloomtime Biological™ FD Biopesticide**ACTIVE INGREDIENT:***Pantoea agglomerans* strain E325;

NRRL B-21856*	7.0%
Other ingredients:	93.0%
	100.0%

* Minimum *Pantoea agglomerans* sps 1×10^{10} cfu/g

U.S. Patent No.: 5,919,446

EPA Reg. No. 71975-xx

EPA Est. No. 71975-WA-001

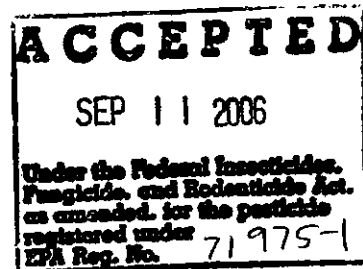
NAP Symbol – A Bio/Chemical Manufacturing Company

Northwest Agricultural Products

P.O. Box 3453

Pasco, WA 99302

(509)547-8234

**KEEP OUT OF REACH OF CHILDREN****CAUTION**

Net Contents: 150 grams (0.33 lb.)

FIRST AID	
IF INHALED:	<ul style="list-style-type: none"> ▪ Move person to fresh air. ▪ If person is not breathing, call 9-1-1 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. ▪ Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> ▪ 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:	<ul style="list-style-type: none"> ▪ Take off contaminated clothing. ▪ Rinse skin with plenty of water for 15-20 minutes. ▪ Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call a poison control center or doctor immediately for treatment advice. ▪ Have person sip a glass of water if able to swallow. ▪ Do not induce vomiting unless told to by a poison control center or doctor. ▪ Do not give anything by mouth to an unconscious person.
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 XYZ (123)456-7890 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS – Agricultural Use

HAZARDS TO HUMANS & DOMESTIC ANIMALS**CAUTION**

Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- NIOSH approved respirator with any N, R, P or HE filter

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

OPTIONAL STATEMENT: [When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.]

USER SAFETY RECOMMENDATIONS

Users should:

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

Remove clothing/PPE 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.

ENVIRONMENTAL HAZARDS – Agriculture Use

Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift or runoff from treated areas.

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, forest, nurseries and greenhouses and handlers of agriculture 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), 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 workers 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
- Water proof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

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

Pesticide Storage: Bloomtime Biological™ FD must be kept in the original container at temperatures between -4°F and 40°F, frozen or refrigerated.

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

GENERAL INFORMATION

Bloomtime Biological™ contains a naturally occurring strain of beneficial *Pantoea* bacteria that was isolated from Gala apple blossoms in Washington State by USDA/ARS tree fruit researchers.

Mode of Action: **Bloomtime Biological™** is a bacterial antagonist. Its mode of action has been characterized as competitive inhibition against the fire blight bacteria, *Erwinia amylovora* (Ea). When **Bloomtime Biological™** is applied to open pear or apple flowers, it rapidly colonizes the floral tissues. Because it colonizes the same sites and utilizes the same nutrients as Ea, this competitive exclusion by **Bloomtime Biological™**

can greatly suppress the ability of *Ea* from reaching the critical numbers necessary to trigger fire blight disease development.

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

Dilution Rates: Use the following dilution rates when applying **Bloomtime Biological™**. Use the coverage characteristics of the application equipment and overall plant size to determine the proper volume of water needed. Spray solutions should be used within 24 hours of mixing.

Application Rates: **Apply Bloomtime Biological™ to flowering apple and pear trees at the following times and rates:**

15%-20% Bloom: Use 150 grams (0.33 lb) per acre in enough water to thoroughly cover the open flowers.

Full Bloom – Petal Fall: Use 150 grams (0.33 lb) per acre in enough water to thoroughly cover the open flowers.

Note: Suggested gallonage is 50-150 gallons of water per acre. At lower rates the spray must be adjusted so as to thoroughly cover the open blooms.

Note: If more dilute sprays are necessary (200-350 gallons per acre) to get through flower coverage, then use 200 grams (0.44lb) **Bloomtime Biological™** per acre.

DO NOT APPLY AFTER FRUIT SET

Compatibility: Do not mix with copper-based compounds. **Bloomtime Biological™** is compatible with streptomycin. If mixing with other crop protection products, it is recommended that small compatibility tests be run prior to large-scale applications. Allow a minimum of 7 days between application of **Bloomtime Biological™** and Terramycin®. **Copper-based formulations are incompatible with the performance of Bloomtime Biological™.**

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of NORTHWEST AGRICULTURAL PRODUCTS or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold NORTHWEST AGRICULTURAL PRODUCTS and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. NORTHWEST AGRICULTURAL PRODUCTS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or NORTHWEST AGRICULTURAL PRODUCTS, and buyer assumes the risk of any such use.

To the extent allowed by law, NORTHWEST AGRICULTURAL PRODUCTS or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NORTHWEST AGRICULTURAL PRODUCTS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NORTHWEST AGRICULTURAL PRODUCTS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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Terramycin, a trade mark of Pfizer Corporation