



70127-2

8/26/2003

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

**Application for Pesticide - Section I**

|   |   |  |
|---|---|--|
| 1. Company/Product Number<br>70127-2  | 2. EPA Product Manager<br>S. Cerrelli   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Novozymes Biofungicide Green Releaf 710-140  | PM#<br>BPPD   |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Novozymes Biologicals, Inc.<br>5400 Corporate Circle<br>Salem, VA 24153<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

**Section - II**

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.  |

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Submission of a notification to add chemigation prohibition language to the product label per PR Notice 87-1.

**Section - III**

|   |   |  |   |   |  |
|---|---|--|---|---|--|
| 1. Material This Product Will Be Packaged In:   |   |  |   | 2. Type of Container  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br>Notification must be submitted                                      | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br>If "Yes"<br>Unit Packaging wgt.      No. per container | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><br>If "Yes"<br>Package wgt      No. per container | Metal<br>Plastic<br>Glass<br>Paper<br>Other (Specify) _____ |   |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container  |   | 4. Size(s) Retail Container  |   | 5. Location of Label Directions<br><input type="checkbox"/> |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |   |  |   | <input type="checkbox"/> Other _____                        |  |

**Section - IV**

|  |  |   |
|--|--|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |   |
| Name<br>James Messina  | Title<br>Authorized Representative                                   | Telephone No. (Include Area Code)<br>(202) 772-4932 |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  | 6. Date Application Received<br>(Stamped)           |
| 2. Signature<br>   | 3. Title<br>Authorized Representative of Novozymes Biologicals, Inc. |   |
| 4. Typed Name<br>James Messina   | 5. Date<br>7/31/03   |   |

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D.S.

**Exponent®**

(formerly Novigen Sciences, Inc.)

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July 31, 2003

Susanne Cerrelli  
U.S. Environmental Protection Agency  
Biopesticides and Pollution Prevention Divisions (7504C)  
Document Processing Desk (NOTIF)  
1921 Jefferson Davis Highway  
Crystal Mall 2, Room 266A  
Arlington, VA 22202

Subject: Novozymes Biofungicide GREEN-RELEAF™ 710-140 (70127-2)  
Project No. WD00418.000

Dear Ms. Cerrelli:

On behalf of our client, Novozymes Biologicals, Inc. (Novozymes) (EPA Company Number 70127), 5400 Corporate Circle, Salem, Virginia 24153, Exponent is submitting a notification pursuant to Pesticide Registration Notice 87-1 to add the chemigation prohibition language to the product label for Novozymes Biofungicide GREEN-RELEAF™ 710-140 (EPA Registration Number 70127-2). Please find enclosed the following information in support of this notification:

- EPA Form 8570-1; and
- Five copies of the revised product label.

We have not submitted a new confidential statement(s) of formula for Novozymes Biofungicide GREEN-RELEAF™ 710-140, because no changes have been made to the confidential statement(s) of formula on file with EPA.

For your convenience we have highlighted all of the additional text in one of the enclosed label copies. The chemigation prohibition language reflects the language in PR Notice 87-1.

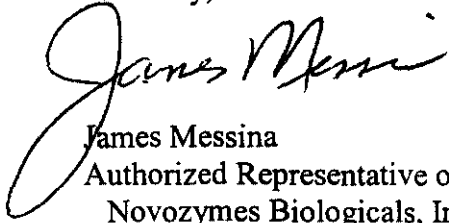
This notification is consistent with provisions of PR Notice 87-1 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 87-1 and 40 CFR 152.46, this product may be in violation of

Susanne Cerrelli  
July 31, 2003  
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FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions, please contact me at (202) 772-4932.

Sincerely,



James Messina  
Authorized Representative of  
Novozymes Biologicals, Inc.

Enclosures (2)

cc: Rebecca Horton, Registrations by Design  
Jeff Howard, Novozymes

## NOTIFICATION

Date Reviewed: 8/26/03

Date Reviewed: 8/26/03

Reviewed By: Supreme Court

# LOG

### For Use On

## Golf courses, Lawns and other ornamental turfgrass



For information, contact us at [info@novozymes.com](mailto:info@novozymes.com) or 1-800-541-1111.  
**Novozymes Biologicals, Inc.**

Novozymes Biologics, Inc.

## 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 when weather conditions, cultural practices, extreme moisture conditions or other environmental conditions are outside of the ranges that are generally recognized as conducive to good growing practices. Do not apply with solutions containing strong acids, bases, oxidizing agents, or solvents.

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.

### 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 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, and shoes plus socks and protective eyewear.

### Product Description:

EcoGuard is a concentrated suspension of the bacterial spores of the organism *Bacillus licheniformis* SB3086 (patent pending), which has been found effective as a natural inhibitor of a variety of agronomically important fungal disease species.

### Product Use Sites:

EcoGuard is applied as a foliar spray or soil drench on ornamental turf at the following sites: lawns, golf courses, sports turf, turf farms and arboretums. EcoGuard is a preventative or curative treatment for a variety of fungal diseases, such as those listed below.

### INCLUSION IN PEST MANAGEMENT PROGRAM:

EcoGuard also works well as part of an Integrated Pest Management (IPM) program, especially to help reduce the occurrence of disease resistance to other fungicide products. In addition, during times of high disease pressure, such combinations may provide optimal pest management while reducing overall yearly pesticide application amounts. Such an integrated program may be achieved by regular rotation of the treatments using EcoGuard with treatments of other fungicides. Another approach is to apply EcoGuard until the onset of high disease pressure, then to substitute another fungicide (at standard application rates) for a brief period (1-4 treatments) followed by a return to standard applications of EcoGuard.

### Targeted Diseases on Golf Courses, Lawns and Other Turfgrass:

Dollar Spot *Sclerotinia homoeocarpa*

Golf Course greens, tees, fairways, ornamental turfgrass, lawns, and sports turf:

Apply EcoGuard in an adequate amount of water to provide complete coverage. For greens and tees, amount of water to deliver EcoGuard may vary from 2-4 gal. per 1000 ft<sup>2</sup> depending on application equipment. For fairways, the amount of water to deliver EcoGuard may vary from 0.7-2.0 gal. per 1000 ft<sup>2</sup>. See the following chart for application rates, timing, and mixing instructions. EcoGuard contains small amounts of urea to enhance the rate of spore germination. At the standard application rate (20 fl. oz./1000 ft<sup>2</sup>), 0.14 lb. Nitrogen is applied per 1000 ft<sup>2</sup>. For best results, use the diluted product within 8 hours of mixing. Do not store diluted product for more than 24 hours.

| Treatment Sites   | Conditions   | Application Rate (fl. oz. EcoGuard /1000 ft <sup>2</sup> ) | Frequency of Application <sup>1</sup> | Mixing Instructions (ex. when applying in 2 gal./1000 ft <sup>2</sup> ) |
|---|--|--|---------------------------------------|---|
| Golf Course greens, tees, fairways, ornamental turfgrass, lawns, and sports turf. | <b>Standard Application</b><br>Use this rate when light disease symptoms have become evident, or when conditions are conducive to disease development in areas with historical occurrence. | 20   | 14 days <sup>1</sup>                  | Mix 2 gal. EcoGuard in 25 gal. water.                                   |
|   |  | 10   | 7 days <sup>1</sup>                   | Mix 1 gal. EcoGuard in 25 gal. water.                                   |
|   |  | 5  | 3-4 days <sup>1</sup>                 | Mix 1/2 gal. EcoGuard in 25 gal. water.                                 |
|   | <b>Moderate Application</b><br>Use this rate when significant disease pressure has become evident.   | 20-25  | 7-14 days <sup>1</sup>                | Mix 2-2 1/2 gal. EcoGuard in 25 gal. water.                             |
|   | <b>High Application</b><br>Use this rate when high disease pressure has become evident.  | 20   | 3-4 days <sup>1</sup>                 | Mix 2 gal. EcoGuard in 25 gal. water.                                   |

<sup>1</sup>Note Nitrogen contribution per application: at standard application rate (20 fl. oz./1000 ft<sup>2</sup>), 0.14 lb. Nitrogen is applied per 1000 ft<sup>2</sup>.

### Tank Mixing:

Due to the nature of this microbial product (contains live spores), tank mixing of EcoGuard with solutions containing strong acids, bases, oxidizing agents, or solvents should be avoided.

Do not apply this product through any type of irrigation system.

See Side Panel for Storage & Disposal directions.

Manufactured by:

**Novozymes Biologicals, Inc.**

5400 Corporate Circle, Salem, VA 24153

## **PRECAUTIONARY STATEMENTS:**

### **Hazards To Humans and Domestic Animals - CAUTION:**

#### **Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- Long-sleeved shirt and long-pants
- Shoes plus socks
- For handling activities use a non-powered air purifying NIOSH approved respirator with any N, P, R, or HE filter.

Follow the manufacturer's instructions for cleaning/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.

**Environmental Hazards:** 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 residual product or equipment washwaters. Do not use this product on plants intended for food or feed. Do not feed treated plants to livestock or domestic animals.

## **STORAGE AND DISPOSAL:**

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

**Pesticide Storage:** EcoGuard is a stable suspension of microbial spores. For best results, store within the recommended storage temperature range of 40° F - 95° F (4° C - 35° C). Avoid longer-term storage at warmer temperatures or in direct sunlight. This product can also be stored at lower temperatures (<40° F) for up to 2 weeks as freezing will not affect its usefulness. Store product in original container in a secure location.

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

**Container Disposal:** Triple-rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.