

85004-2

11-30-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Avenue NW
 Washington, D.C. 20460

EPA
 Registration
 Number:

85004-2

Date of Issuance:

NOV 30 2011

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
 (under FIFRA, as amended)

Term of
 Issuance: Unconditional

Name of Pesticide Product:
 Econem™

Name and Address of Registrant (include ZIP Code):

Pasteuria Bioscience, Incorporated
 12085 Research Drive, Suite 185
 Alachua, FL 32615

Note: Changes in labeling, differing in substance from that accepted in connection with this registration, must be submitted to and accepted by the Biopesticides and Pollution Prevention 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/reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act). Registration is in no way to be construed as an endorsement or recommendation of this product by the Environmental Protection Agency (EPA or the Agency). In order to protect health and the environment, the Administrator, on his or her 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 unconditionally registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms:

1. Submit/cite all data and/or information, which are required to support *Pasteuria usgae* – BL1, within the time frames required by the terms of EPA Registration Number 85004-1. These data and/or information must be determined by EPA to be acceptable.
2. Submit two (2) copies of the final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for further description of final printed labeling.

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

Signature of Approving Official:

W. Michael McDavit

Date:

NOV 30 2011

W. Michael McDavit, Associate Director
 Biopesticides and Pollution Prevention Division

EPA Form 8570-6

CONCURRENCES

SYMBOL	7511P	7511P	7511P					
SURNAME	KNSCH	Reynolds	Relf					
DATE	11/30/2011	11/30/11	11/30/11					

EPA Form 1320-1A (1/90)

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ECONEM™

Biological management of sting nematodes in turf



FOR ORGANIC TURF and LAWN CARE



Active Ingredient:	<i>Pasteuria usgae</i> – B11*	2.0000%
Other Ingredients:		98.0000%
Total:		100.0000%

* Contains at least 1×10^4 spores per g or 4.5×10^6 spores per pound.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on the back panel

EPA Registration Number: 85004-2
EPA Est. Number: 70051-CA-001

ACCEPTED

NOV 30 2011

Manufactured for:

 **PASTEURIA**
bioscience

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 85004-2

12085 Research Dr., Suite 185
Alachua, FL 32615
(386) 462-0008
www.pasteuriabio.com/

Net Weight:

Batch Code:

Pasteuria Bioscience, Inc.

29 November 2011

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time. During other times, call your poison control center at 1-800-222-1222.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

The PPE requirements that follow apply to both Worker Protection Standard (WPS) uses (in general, agricultural-plant uses are covered under the Worker Protection Standard (40 CFR Part 170)) and Non-WPS uses.

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

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

ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-5)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS

Users should:

- 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

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 wash waters or rinsate.

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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 State or Tribal agency responsible for pesticide regulation. Do not use this product until you have read the entire label.

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) and restricted-entry interval. The requirements in this box apply only 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
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until product has been integrated into soil through irrigation.

PRODUCT INFORMATION

This product contains a biological nematicide for the control of the following nematode for most turf grass uses:

Sting Nematode

Belonolaimus longicaudatus

USE RESTRICTIONS

Consult your extension agent or manufacturing representative before mixing this product with fertilizer or seed. Do not mix this product with other turf grass pesticides.

APPLICATION INSTRUCTIONS

Turf Grass: Apply 2 to 10 pounds of **Econem™** per 1000 square feet of turf prior to, during, and after turf green-up in 3 to 4 week intervals using calibrated, standard granule application equipment such as a drop-spreader. For best control, a minimum of 3 sequential applications is required. For warm-season grasses, these green-up periods may be in early spring and again in late summer or early fall; for cool-season grasses, this may be late summer or early fall. Monthly applications throughout the year may help maintain sting nematode populations below economic threshold levels.

Use the higher application rates on sites with high sting nematode populations (greater than 60 sting nematodes per 0.4 cup [100 cm³] of soil) or areas with extensive nematode damage such as bare turf areas, dying turf areas, or turf with root systems less than 0.8 – 1.2 inch (2 – 3 cm) in length.

Apply 0.10 inch water immediately following all applications. After application of **Econem™** and subsequent treatment with water, minimizing irrigation for several weeks following treatment may improve sting nematode control. For areas under intense irrigation or experiencing excessive rainfall, repeat applications may be necessary to maintain sting nematode populations below an economic threshold.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in a cool, dry place. Reclose containers of unused portions of Econem™.

PESTICIDE DISPOSAL

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

WARRANTY STATEMENT

Pasteuria Bioscience, Incorporated (PBI) warrants that this product conforms to its label description and is suitable for its intended use if stored and used in accordance with the Directions for Use. To the extent consistent with applicable law, PBI makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on this label. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in accordance with accompanying directions.