

United States Environmental Protection Agency



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

EPA Reg. Number:

72098-13

Date of Issuance:

6/6/03

Term of Issuance:

Conditional

Name of Pesticide Product:

TICK-EX EC

NOTICE OF PESTICIDE:

- X Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Earth BioSciences, Inc.
451 Orange Street
New Haven, CT 06511

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.

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.

The registration application referred to above, submitted in connection with registration under § 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you do the following terms and conditions.

- 1. Submit/cite all data required for registration of your product under FIFRA § 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit production information for this product to Mr. Owen Beeder of Registration Division (7505C) for the fiscal year in which this product is conditionally registered, in accordance with FIFRA § 29. The fiscal year begins October 1 and ends September 30. Production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.
3. This registration is registered under FIFRA § 3(c)(7)(C) because of outstanding data of your technical product.

ONE YEAR AFTER THE DATE OF THIS REGISTRATION

- 4. This registration will automatically expire on midnight June 6, 2005. EPA will reevaluate the outstanding data before the above date on whether to convert the registration to a non-expiring registration.

Signature of Approving Official:

[Handwritten Signature]

CONCURRENCES

Date:

6/6/03

SYMBOL

7511C

(See second page for signature)

SURNAME

EPA Form 8570-6

COLE SUHAY

DATE

6-6-03 6-6-03

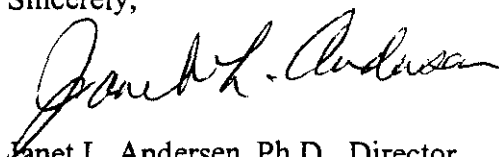
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5. You must submit the field efficacy data for the control of blacklegged ticks (*Ixodes scapularis*). Efficacy data must be developed for each specified public health pest. These product performance data must be submitted 1 year from the date of this registration.
6. 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,



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

ACCEPTED

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JUN 16 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 72098-13

TICK-EX™ EC

For Control of Ticks and Grubs

% w/w

ACTIVE INGREDIENT <i>Metarhizium anisopliae</i> Strain F52*	11.0%
OTHER INGREDIENTS	89.0%
Total	100.0%

* Contains 5.5 x 10⁹ Colony Forming Units (CFU)/mL of Tick-Ex EC.

Keep Out of Reach of Children

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

First Aid

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. Get medical attention.

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Personal Protective Equipment (PPE)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove personal protection equipment immediately after handling this product. If gloves are worn, wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

GENERAL

TICK-EX EC is composed of spores of the arthropod pathogenic fungus *Metarhizium anisopliae* Strain F52 on a grain matrix. The spores of *Metarhizium anisopliae* attach to the surface of the arthropod, germinate and begin to grow. It will penetrate the exoskeleton of the arthropod and grow very rapidly inside the arthropod, causing the arthropod to die. It usually takes about one week, once the arthropod is exposed for death to occur.

APPLICATION INSTRUCTIONS

Apply TICK-EX EC to residential and institutional lawns and landscape perimeters. Apply at a rate of 2.0 to 3.0 fluid ounces of TICK-EX EC per 1000 ft². Use higher label rates when pest pressure is expected to be high. Apply using a minimum of 4 gallons of water per 1000 ft². Do not apply at pressures above 200 psi. Do not tank mix with fungicides.

PESTS CONTROLLED

Ticks, such as:

- American Dog tick
- Blacklegged tick
- Brown Dog tick
- Lone Star tick
- Rocky Mountain Wood tick
- Rotund tick

Grubs, such as:

- Japanese beetle larvae
- June beetle larvae
- May beetle larvae
- Oriental beetle larvae

STORAGE AND DISPOSAL

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

STORAGE

Keep container closed. Do not allow to freeze.

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 by other procedures approved by state and local authorities.

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Applicators and other handlers of this product must wear a long-sleeved shirt and long pants, waterproof gloves, and shoes and socks. 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.

Emergency Information

For spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

Environmental Hazards

Do not use near aquatic areas or 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 cleaning equipment or disposing of equipment washwaters.

Not for Sale or Use after (Date to Be Inserted)

Net Contents: _____ Ounces; _____ Grams

Earth BioSciences Inc.
451 Orange Street
New Haven, CT 06511

EPA Establishment Number _____
EPA Registration Number: 72098-____
Made in _____
Revision: 030603

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CONDITIONS OF SALE

Taensa, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer, and buyer assumes the risk for any such use.