

72098-12

6-6-2003

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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:

72098-12

Date of Issuance:

6/6/03

Term of Issuance:

Conditional

Name of Pesticide Product:

TICK-EX G

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

7511C

(See second page for signature)

SURNAME EPA Form 8570-6

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DATE

6-6-03 6-6-03

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)

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ACCEPTED
 JUN 10 2003
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. _____

TICK-EX G
 For Control of Ticks and Grubs

72098-12

ACTIVE INGREDIENT - <i>Metarhizium anisopliae</i> Strain F52*	% w/w 2.0%
OTHER INGREDIENTS	98.0%
Total	100.0%

* Contains 9.0 x 10⁸ Colony Forming Units (CFU)/gram.

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, or clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

FIRST AID

- IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.
- 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 the person is unconscious, do not give anything by mouth and do not induce vomiting.
- IF ON SKIN OR CLOTHING:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes and socks, and a 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/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 at 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 USA

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

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 G 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 G to residential and institutional lawns and landscape perimeters. Apply at a rate of 1.0 to 3.0 lbs. of TICK-EX G per 1000ft². Use higher label rates when pest pressure is expected to be high.

PESTS CONTROLLED

Ticks, such as:

- Blacklegged tick
- Deer tick
- Lone Star tick
- Wood tick

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

Grubs, such as:

STORAGE AND DISPOSAL

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

STORAGE: TICK-EX G consists of living microbes. Store closed product in a cool dry place, preferably under normal refrigeration. Opened packages should be closed tightly, stored in a cool dry place, and used within one month. Do not freeze or expose product to temperatures above 70° F.

PESTICIDE DISPOSAL: Unused TICK-EX G and wastes resulting from the use of this product may be disposed of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONTAINER DISPOSAL: Do not reuse EMPTY container. Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE

Earth BioSciences 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

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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.