



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 24, 2023

Amy Plato Roberts  
Director of Regulatory Affairs  
Danstar Ferment AG / LALLEMAND PLANT CARE  
PO Box 990  
Hailey, Idaho 83333

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – To Update the EPA Registration Number, Company Name, and Company Address on the Label and Basic Confidential Statement of Formula (CSF) Per the Transfer of Registration; Add Organic Claims and Mode of Action Classification to the Label; and Make Other Changes, Including Those Requested by EPA (e.g., Update Respirator Requirements, Clarify Application Instructions, Update Active Ingredient Name, and Remove Physical or Chemical Hazards Statements)  
Product Name: TICK-EX G  
EPA Registration Number: 64137-32  
EPA Receipt Date: 04/16/2022  
Action Case Number: 00355724

Dear Ms. Roberts:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 03/07/2023

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section

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12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Hannah Dean via email at [dean.hannah@epa.gov](mailto:dean.hannah@epa.gov).

Sincerely,

**CODY**

**KENDRICK**

Digitally signed by  
CODY KENDRICK

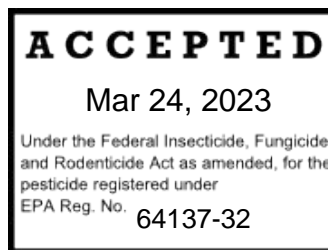
Date: 2023.03.24  
15:14:16 -07'00'

Cody Kendrick, Senior Regulatory Advisor  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs


Enclosure

[Text in brackets is optional]  
 (Text in parenthesis is for the reviewer)  
**(Front Panel)**

# TICK-EX G



<i>Metarhizium brunneum</i> (formerly known as <i>Metarhizium anisopliae</i> ) Strain F52	<b>GROUP</b>	<b>UNF</b>	<b>INSECTICIDE</b>
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- For the control of ticks
- Bioacaricide
-  [For Organic Gardening] [For Use in Organic Lawn Care] [Can be used in organic lawn care]

<b>ACTIVE INGREDIENT:</b> <i>Metarhizium brunneum</i> (formerly known as <i>Metarhizium anisopliae</i> ) Strain F52*	2.0%
<b>OTHER INGREDIENTS:</b>	98.0%
<b>TOTAL:</b>	100.0%

\*Contains a minimum of 9.0 x 10<sup>8</sup> Colony Forming Units (CFU) per gram of product.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if inhaled, absorbed through skin, or swallowed. Avoid contact with eyes, skin 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.

[REFER TO DIRECTIONS OF USE WITHIN THIS BOOKLET]

FIRST AID	
<b>IF IN EYES:</b>	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.
<b>IF INHALED:</b>	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 treatment advice.
<b>IF ON SKIN OR CLOTHING:</b>	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.
<b>IF SWALLOWED:</b>	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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378 8:00AM – 12:00PM Pacific Time (PT), Mon-Fri. For medical emergencies, call the poison control center at 1-800-222-1222.	

**Batch No.:** see printing on bag

[Expiration Date: see printing on bag]

**Net Contents:** [2.2 Lbs.][3 Lbs.][5 Lbs.][22 Lbs.][25 Lbs.][bag][XX Kg.]

**Manufactured for:**

Danstar Ferment AG / LALLEMAND PLANT CARE  
Poststrasse 30  
Zug CH-6300 Switzerland

**EPA Establishment Number:** XXXXX-XX-XXX

**EPA Registration Number:** 64137-32  
[Made in] [USA] [Canada] [Brazil] [Germany]

**Marketed and distributed by:**

Lallemand Specialties Inc. / LALLEMAND PLANT CARE  
6120 West Douglas Avenue  
Milwaukee, WI 53218  
United States

[LALLEMAND LOGO]

[Peel back for instructions. PRESS TO RESEAL]

(End Front Panel)

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

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

Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.

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

**USER SAFETY RECOMMENDATIONS**

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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**

For terrestrial uses. 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 washwater or rinsate.

**DIRECTIONS FOR USE**

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

**PRODUCT INFORMATION**

TICK-EX G is composed of spores of the pathogenic fungus *Metarhizium brunneum* (formerly known as *Metarhizium anisopliae*). The spores of *Metarhizium brunneum* (formerly known as *Metarhizium anisopliae*) attach to the surface of the tick, germinate, and begin to grow. It will penetrate the exoskeleton of the tick and grow inside, causing the tick to die. It usually takes about one week, once the tick is exposed, for death to occur.

## **APPLICATION INSTRUCTIONS**

This product is approved for urban and suburban outdoor terrestrial non-food uses. Apply TICK-EX G to residential and institutional lawns, and landscape perimeters. Apply using a broadcast spreader at a rate of 1.0 to 3.0 lbs of TICK-EX G per 1000 ft<sup>2</sup>. Use higher label rates when pest pressure is expected to be high. Applications for blacklegged ticks should focus on the border of manicured lawns and paths creating a minimum of a 9 foot border. Applications for more mobile ticks such as the lonestar tick should cover a wider area and include the entire lawn. Initial applications should begin in the spring before ticks become active and continue at 4 to 8 week intervals throughout their active season.

## **PESTS CONTROLLED**

Ticks

*Applicators other than homeowners:*

### **STORAGE AND DISPOSAL**

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

#### **PESTICIDE STORAGE**

Store TICK-EX G in its original container below 73°F (23°C), in a dry, locked place out of reach of children and out of direct sunlight. Do not use or store near heat or open flame.

#### **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.

*Homeowners:*

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#### **PESTICIDE DISPOSAL AND CONTAINER HANDLING:**

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##### **If empty:**

Place container in trash or offer for recycling, if available.

##### **If partly filled:**

Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## **NOTICE TO USER**

Lallemand Specialties Inc. / LALLEMAND PLANT CARE warrants only that this product conforms to the product description on this label and is reasonably fit for the purposes set forth in the Directions for Use when used in accordance with them. However, ineffectiveness or other unintended consequences may result because of such factors as the use, storage or handling of the product contrary to the label instructions, all of which are beyond the control of Lallemand Specialties Inc. / LALLEMAND PLANT CARE. To the extent consistent with applicable law, Lallemand Specialties Inc. / LALLEMAND PLANT CARE shall not be liable for indirect or consequential damages resulting from the use, storage or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LALLEMAND SPECIALTIES INC. / LALLEMAND PLANT CARE MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A

PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.


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**Marketed and distributed by:**

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6120 West Douglas Avenue  
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United States

[LALLEMAND LOGO]

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