



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 1, 2024

William Barney
Authorized Agent to Texas Corn Producers Board
IR-4 Project, North Carolina State University
1730 Varsity Drive, Suite 210, Venture IV
Raleigh, NC 27606

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – To Remove an Advisory Statement That Is Not Required by the EPA and to Remove Inadvertent Highlighting by the EPA in the Storage and Disposal Instructions
Product Name: FourSure
EPA Registration Number: 91163-2
EPA Receipt Date: 01/25/2024
Action Case Number: 00497533

Dear Mr. Barney:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

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 the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the 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 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 the 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 the EPA's Office of Enforcement and Compliance Assurance.

If you have any questions, please contact Hannah Dean via email at dean.hannah@epa.gov.

Sincerely,

Alexandra Boukedes

Digitally signed by
Alexandra Boukedes
Date: 2024.03.01
08:55:13 -05'00'

Alexandra Boukedes, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

FourSure™

~~This labeling must be in possession of the user at the time of application.~~ FOR USE ON CORN ONLY IN THE STATE OF TEXAS

For displacing aflatoxin-producing fungi

FourSure™ contains a mixture of four atoxigenic strains of *Aspergillus flavus*. Each of the four strains occurs in the United States. When applied to corn from the 5 leaf stage (V5) until start of tasseling, the *Aspergillus flavus* strains in **FourSure™** compete with strains of *Aspergillus flavus* that produce large amounts of aflatoxin and, in doing so, limit the amount of these high aflatoxin producers that become associated with the crop.

Active Ingredients: <i>Aspergillus flavus</i> strain TC16F*	0.00024%
<i>Aspergillus flavus</i> strain TC35C*	0.00024%
<i>Aspergillus flavus</i> strain TC38B*	0.00024%
<i>Aspergillus flavus</i> strain TC46G*	0.00024%
Other Ingredients:	99.99904%
Total:	100.00000%

*Contains a minimum of 5 x 10⁴ CFU for each strain of TC16F, TC35C, TC38B and TC46G per gram of product

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF INHALED:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	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 IN EYES:	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.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), contact the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Time, or at http://npic.orst.edu . In the event of a medical emergency, call your poison control center at 1-800-222-1222.	

SEE PRECAUTIONARY STATEMENTS BELOW AND ON OTHER PANEL

EPA Reg. No.: 91163-2
EPA Establishment No.: 91724-AZ-002

Texas Corn Producers Board
4205 North I-27
Lubbock, Texas 79403

NET WEIGHT: 50 lb bags, 1000-3000 lb bulk bags or boxes

BATCH CODE:

Not for sale or use after [insert date 6 months after manufacture]

NOTIFICATION

91163-2

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/01/2024

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled or absorbed through skin. Avoid breathing dust. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

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

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607(d), (e), and (f)), the handler PPE requirements may be reduced or modified as specified in the WPS.

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

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

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.

Read all label directions before using. Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170.

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
- waterproof gloves
- shoes plus socks

PRODUCT INFORMATION

FourSure™ is for application to corn to displace aflatoxin-producing strains of *Aspergillus flavus*.

FourSure™ contains living fungi coated onto roasted grain which serves as both a carrier and a nutrient source. After application and once the colonized grain is exposed to sufficient moisture (this may occur at irrigation or after rain), the fungi that serve as active ingredients of **FourSure™** will grow out and the grain will become covered with green spores. The growing fungi will first appear as white fuzz and later as green fuzz. The green spores will eventually be spread to the crop by wind and insects in the same manner that aflatoxin-producing fungi are spread.

USE PRECAUTIONS

Do not apply as a tank mixture with fertilizers, insecticides, or fungicides. Apply **FourSure™** only when the potential for drift to adjacent, sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal. **FourSure™** may be applied to irrigated or rain fed corn fields.

APPLICATION INSTRUCTIONS

Ground Application: CORN

1. Apply **FourSure™** directly to the soil or under the plant canopy after last cultivation with a tractor-mounted, granular applicator. Make a single application from the V5 growth stage until emergence of the silks from the husk. Cultivations must be completed before application. **DO NOT COVER FourSure™ WITH SOIL.**
2. Adjust the applicator to optimize delivery of **FourSure™** under the canopy and to minimize delivery of **FourSure™** to areas without corn.
3. Rain or irrigation within 3 days of application of **FourSure™** will improve results.
4. Use 10 lbs. of **FourSure™** per acre of corn.

Aerial Application: CORN

1. Apply **FourSure™** by air at the appropriate rate, timing, and frequency as described for ground applications.
2. Cultivation after application may diminish efficacy.
3. Rain or irrigation within 3 days after application of **FourSure™** will improve results.
4. Use 10 lbs. of **FourSure™** per acre of corn.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE AND DISPOSAL.

PESTICIDE STORAGE: Store dry. Do not expose to relative humidity greater than 80% prior to use. This product contains a living organism that must be alive to work. Do not store under extreme conditions. Do not freeze. Do not expose to temperatures above 50° C (122° F).

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:

Paper Bags (50 lb) – Nonrefillable container. Do not reuse or refill 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 or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refillable Bulk Bags and Boxes (1000-3000 lb) – Refillable container. Refill this container with *Aspergillus flavus* FOURSURE only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, completely empty bag (or box) into application equipment. Then offer for recycling if available or dispose of empty bag (or box) in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.