

# Aflasafe TZ01

## PRODUCT INFORMATION

**Aflasafe TZ01** is a biopesticide for application in maize and groundnut fields to displace aflatoxin-producing strains of *Aspergillus* fungi. **Aflasafe TZ01** contains living fungi coated on sterile sorghum grain, which serves as both carrier and nutrient source. A polymer binder helps the spores stick to grains and does not rub off or stick to the hands of applicators. A blue food-grade dye is also coated on grains to distinguish it from food/feed grain. After application and once grains are exposed to sufficient moisture, **Aflasafe TZ01** strains will grow out. These growing fungi will first appear as white fuzz and with green spores and later appear as green fuzz containing spores. The green spores will eventually spread to the crop by wind and insects in the same manner that aflatoxin-producing fungi are spread.

## APPLICATION INSTRUCTIONS

- Follow standard agronomic practices in your area to grow the crop.
- Prior to **Aflasafe TZ01** application, the fields should be weeded, fertilizer applied, and all other cultural practices carried out in the field to avoid trampling of the **Aflasafe TZ01** grains after application.
- **DO NOT CARRY OUT ANY OPERATION THAT WILL BURY Aflasafe TZ01 UNDER THE SOIL** after application. Ensure that **Aflasafe TZ01** stays on the soil surface.
- For both maize and groundnut, broadcast **Aflasafe TZ01** by hand 2 to 3 weeks before flowering at the rate of 10 kg/ha.
- As far as possible, apply **Aflasafe TZ01** after rains or when rains are forecasted or when the soil is wet. When there is adequate moisture in the soil, the atoxigenic strains grow rapidly on the sorghum grain carrier which serves as their food.
- Five to seven days after **Aflasafe TZ01** application, visit the field and observe the colour of the carrier grains. A greenish growth should be visible on some or all sorghum carrier grains if soil moisture is adequate. If the greenish growth is not evident, return to the field after 3 to 5 days to repeat the observation.
- Follow good harvest and postharvest practices.

## USE PRECAUTIONS

Do not apply with fertilizers, insecticides, or fungicides. Apply **Aflasafe TZ01** only when the possibility for drift to potential sensitive areas (e.g., residential areas, water bodies, known habitat for threatened or endangered species) is minimal.

## STORAGE AND DISPOSAL

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

**Aflasafe TZ01 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 expose to temperatures above 50 °C.

**Aflasafe TZ01 DISPOSAL:** Use all product of this package by applying according to directions. Offer remaining product to a waste disposal facility or pesticide disposal program (such programs are run by Regional or local Governments or by industry).

**CONTAINER HANDLING:** Do not reuse or refill container. Offer bags for recycling if available or dispose empty bag in a sanitary landfill or by incineration or, if allowed by state or local authorities, by burning. If burned, stay out of smoke.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present. Do not contaminate water when disposing of equipment wash water or rinsate.

**For more information, please contact:**

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