

AFLATOXIN

AFLATOXIN IS POISONOUS

Aflatoxin, a byproduct of naturally-occurring fungi that infect many crops, is a Class I Human Carcinogen and leads to:

IN ADULTS • Liver Cancer
• Immunosuppression

10%
OF ADULT DEATHS IN SOUTHEAST ASIA AND SUB-SAHARAN AFRICA ARE CAUSED BY LIVER CANCER

IN CHILDREN • Stunting
• Mental Impairment
• Acute Poisoning

UP TO **35%**
OF CHILD STUNTING IS ASSOCIATED WITH AFLATOXIN

IN LIVESTOCK • Contaminated Meat & Milk
• Passed to Human Consumers



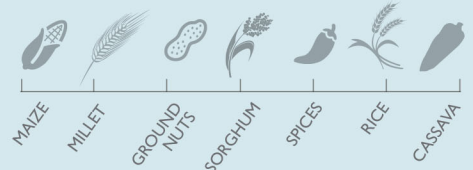
AFLATOXIN IS HARMFUL TO ECONOMIES

Higher medical costs, market losses and toxic effects in livestock can devastate economic systems and livelihoods.

IN 2001, AFRICA LOST OVER **\$600 MILLION** IN TRADE WITH THE E.U. DUE TO AFLATOXIN CONTAMINATION

\$1 BILLION USD PER YEAR ESTIMATED COST OF AFLATOXIN MANAGEMENT IN THE PHILIPPINES, THAILAND AND INDONESIA

25%
OF THE WORLD'S CROPS ARE SUSCEPTIBLE TO AFLATOXIN



CAUSES

PREVENTION

PRE-HARVEST INFECTION



- ***Aflasafe™** is a harmless fungus that competes with and prevents the growth of the aflatoxin-producing fungus in the field.
- ***Plant breeding** through traditional and biotech-driven methods can produce aflatoxin-resistant crops.

INSUFFICIENT GRAIN DRYING



- ***Stove and solar powered grain dryers** reduce moisture content before storage, which reduces the capacity for fungal growth.

POOR STORAGE



- ***Low-cost hermetic storage bags** last up to a full year and eliminate the need for pesticides, prevent infestation and stop mold growth.

CONTAMINATED MEAT/MILK/EGGS



- ***Adequate testing** can ensure that animal feed is not contaminated at dangerous levels.
- ***Chemical binding agents and feed processing techniques** are currently being studied to establish efficacy.

HOW DO WE ENSURE SMALLHOLDER ACCESS TO PREVENTION TECHNOLOGIES?

LEARN MORE AT

AGRILINKS.ORG/AFLATOXIN

*Aflatoxin interventions supported by the U.S. Agency for International Development through Feed the Future.

Feed the Future is the U.S. Government's cornerstone global hunger and food security initiative, and supports broad-based economic growth through agricultural development with a focus on enabling smallholder farmers to increase productivity of better, more nutritious foods. Learn more: www.feedthefuture.gov