

AFLASAFE (ATOXIC FUNGI)

Aflatoxin-free fields and crops for safer food in Africa

TECHNOLOGY / SOLUTION



Aflasafe is a safe, natural solution to the problem of aflatoxins contamination, homegrown in Africa.

Aflasafe® is a biocontrol technology for aflatoxins management that uses harmless types of the fungus *Aspergillus flavus* which do not and cannot produce the toxins. The atoxic fungi are coated onto ordinary sorghum grain for transferring these innovative biocontrol agents to farmers' fields. A blue food coloring dye is added to distinguish Aflasafe® from other sorghum for food or feed use.



PROBLEM / ISSUE SOLVED

- "Aflatoxins" are a highly toxic, cancer-causing poisons produced by the fungus *Aspergillus flavus* which infest crops and foods produced by farmers
- Consumption of contaminated food by humans or livestock leads to the accumulation of aflatoxins inside the body and causes major diseases
- Aflatoxins poisoning has a massive economic impact by making food unfit to eat or trade, seriously damaging consumers' health, and killing farm animals



GOOD FOR
Small-scale farmers,
Commercial farmers



BENEFITS

- ✓ It is highly effective, cutting aflatoxin in food drastically and making it safe to eat
- ✓ It is a completely safe and environmentally friendly product, sourced from nature
- ✓ It only needs to be applied by farmers once each growing season and is therefore cheap and cost-effective
- ✓ It stays with food, protecting it all the way through storage and onto your plate
- ✓ It cuts aflatoxin levels in maize and groundnuts by 80% to 100% – down to safe levels



Pest management
Speciality



Maize, Rice, Sorghum/Millet, Groundnut, Cassava
Commodity

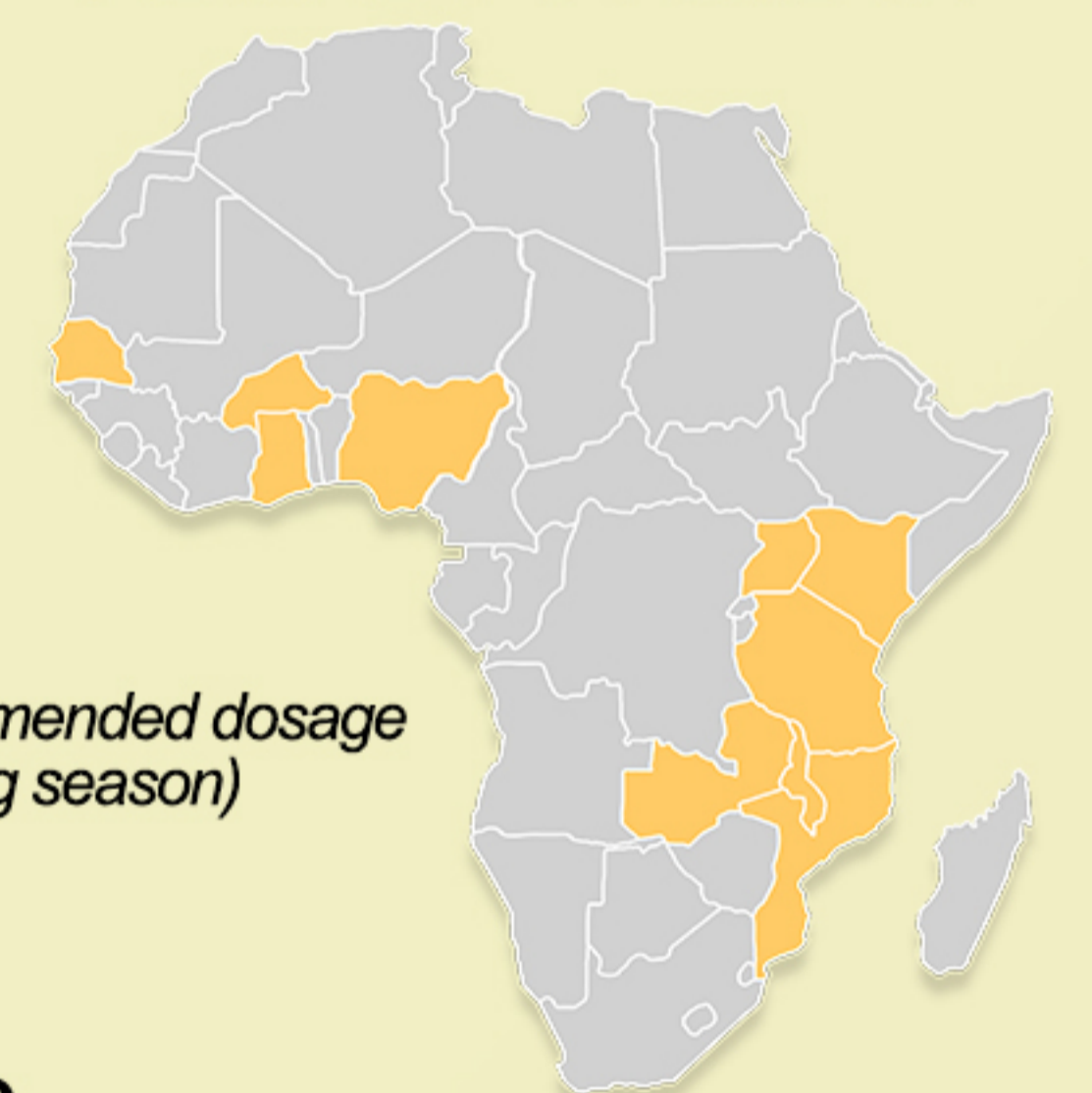


US\$12 - \$20 / ha (Recommended dosage of 10 kg/ha. Applied once each growing season)
Initial investment



16% increase in income
Added value

ALREADY IN USE IN



Nigeria, Tanzania, Kenya, Uganda, Ghana, Mozambique, Burkina Faso, Malawi, Zambia, Senegal, Gambia

HOW DOES IT WORK?

Aflasafe® must be spread by broadcasting handfuls onto the soil, or by using tractor-mounted spinners or side-dressers within crop stands 2 to 3 weeks before the onset of the flowering stage.

Aflasafe® should be applied to the crops early so that native poisonous fungi cannot get a competitive advantage. Application should coincide with rainfall and moist soil for populations of atoxic fungi to get well established.

