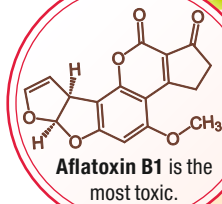


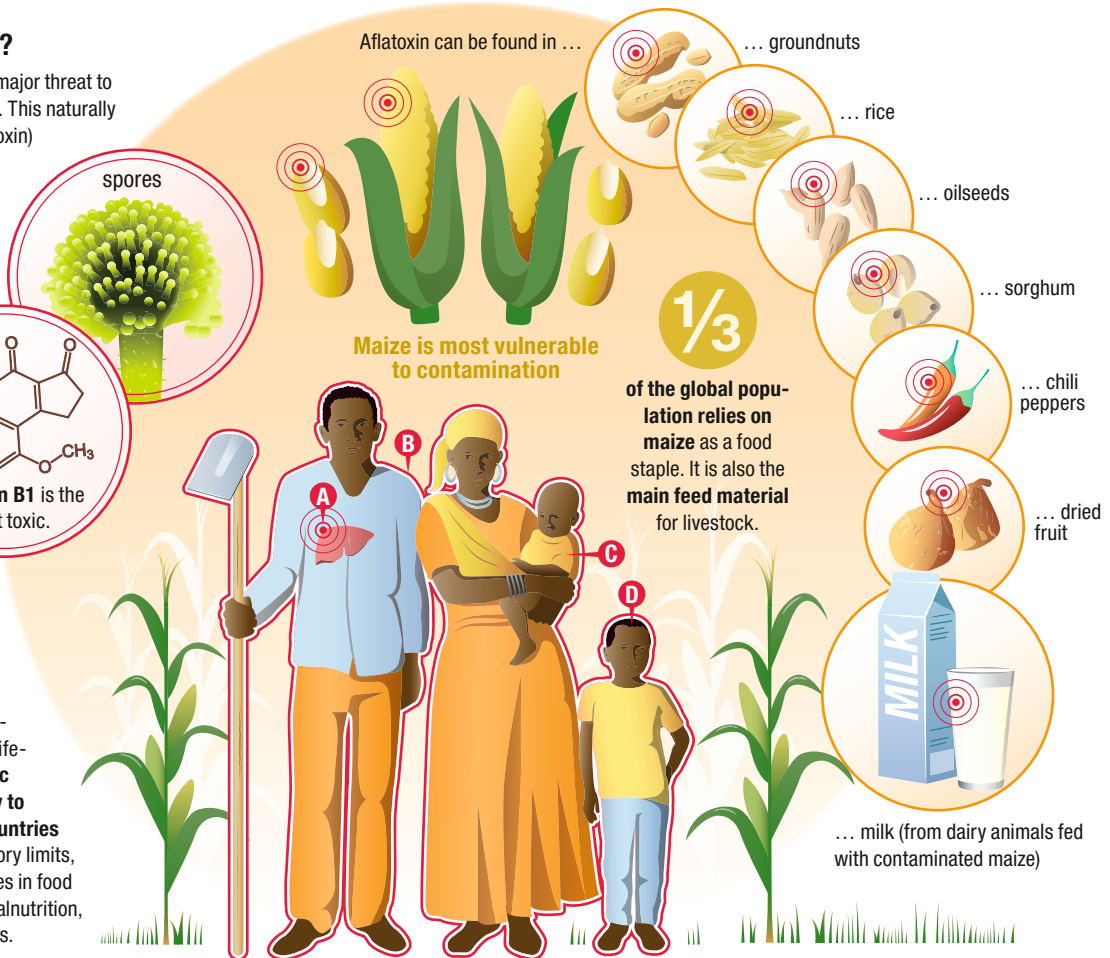
Toxic food: a global challenge

What is aflatoxin?

Aflatoxin is an invisible, major threat to health and food supplies. This naturally occurring poison (mycotoxin) is produced by a fungal mold (*Aspergillus* spp.). No treatment is available to destroy aflatoxin in contaminated food crops.



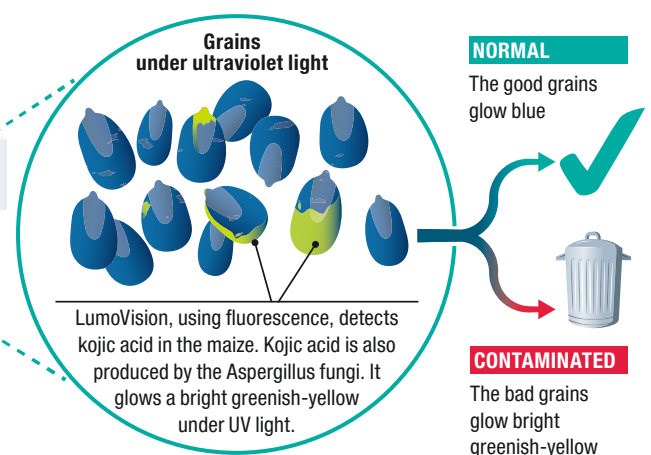
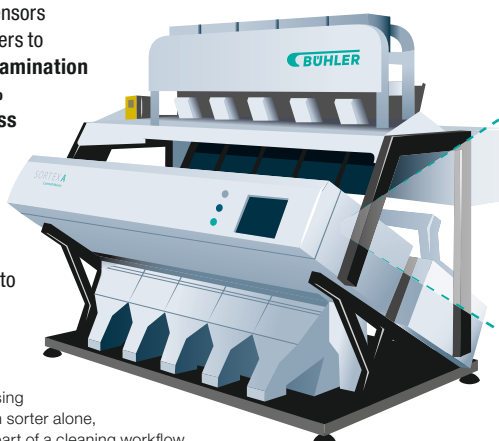
500 million of the poorest people in sub-Saharan Africa, Latin America, and Asia are at risk of chronic exposure to aflatoxins throughout their lifetimes. Acute and chronic exposure is more likely to occur in developing countries where less strict regulatory limits, poor agricultural practices in food handling and storage, malnutrition, and disease are problems.



LumoVision will help save lives and reduce food waste

Special cameras and sensors enable LumoVision sorters to **reduce aflatoxin contamination in maize by up to 90% with a yield loss of less than 5%***, while a Microsoft cloud solution helps the processor to estimate contamination risk of the raw material to maximize productivity.

* This result is based on using the SORTEX A LumoVision sorter alone, however, it would be one part of a cleaning workflow.



Sources: International Agency for Research on Cancer; Global Burden of Aflatoxin-Induced Hepatocellular Carcinoma; Food and Agricultural Organization of the United Nations; Benedict Deefholts, Senior Research Engineer at Bühler. Infographic by: Daniel Röttele