

# Mycotoxin Risk Management

Mitigate the risk of mycotoxins being predisposing factors to diseases and vaccine failure as well as overcome reproductive challenges



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## The causes and effects of mycotoxin contamination

- Mycotoxins are well-known toxic fungal metabolites commonly present in feed ingredients that affect birds differently depending on the type, life stage, and level of contamination in feed.
- Direct effects of mycotoxins are usually manifested through damaging the bird's gut and liver.
- The key aspect to note is their presence at low levels – mycotoxins can predispose birds to pathogenic bacteria causing diseases, affect immune function and cause vaccine failure, and affect protein metabolism resulting in reproductive and productive challenges.
- Therefore, the needs for mycotoxin risk management in poultry production are:
  - ▶ Considering mycotoxins as part of differential diagnosis for health and nutritional challenges
  - ▶ Managing risk associated with mycotoxins in the feed

## Mycotoxin risk management portfolio offering

A precise and cost-effective **mycotoxin risk management** program has consistent monitoring, risk assessment, and a comprehensive intervention plan. Consistent and continuous monitoring of mycotoxins by constantly analyzing feed materials helps to detect which mycotoxins are present, level of contamination, and their potential risk levels in order to devise a comprehensive intervention plan, which should include a combination of diverse technologies to tackle various mycotoxins since not all mycotoxins are same. This integrated approach helps to protect birds against mycotoxins and their negative effects on your poultry production and ensures optimal return on your investment. As part of differential diagnosis, systems like **blood biomarker modeling** can be used to determine to prevent health issues before they happen and effects on the environmental footprint can be calculated using **sustainability measurements**.

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