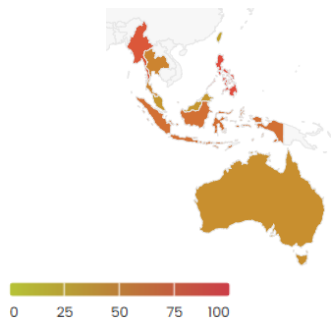
2025 Mycotoxin Risk Alert

Annual Survey Result

Supply chain – Quality control – Feed formulation

Country



Mycotoxin contamination risk

Source

Feed mills, Farms, Integrators

Analyses

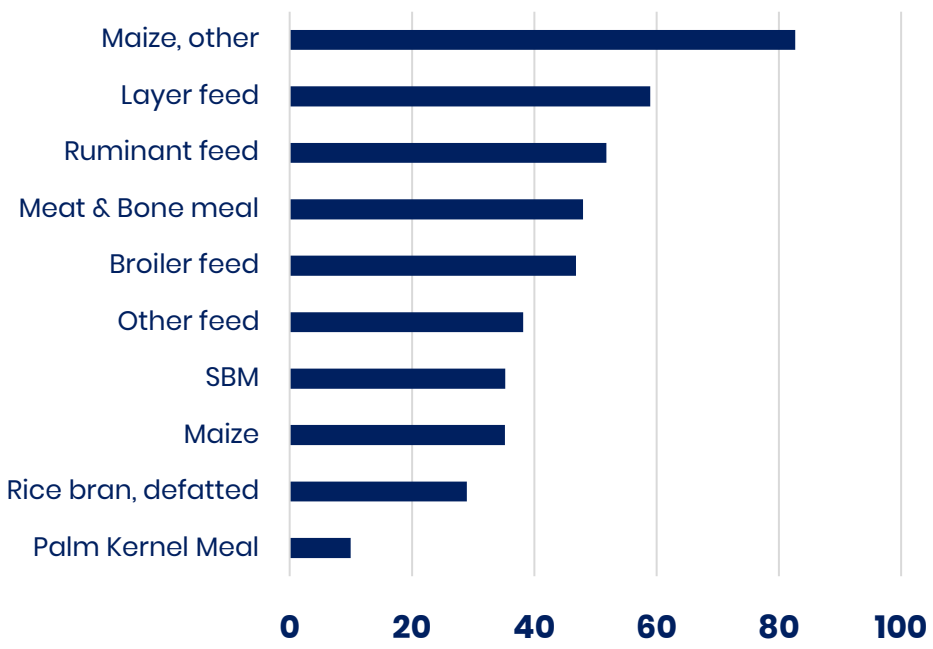
1,769

Risk

Mycotoxin	
AFLA	Medium
OTA	Safe
T2HT2	Low
ZEA	Medium
DON	Medium
FUM	Medium

Mycotoxin contaminations analyzed from feed & feed material samples

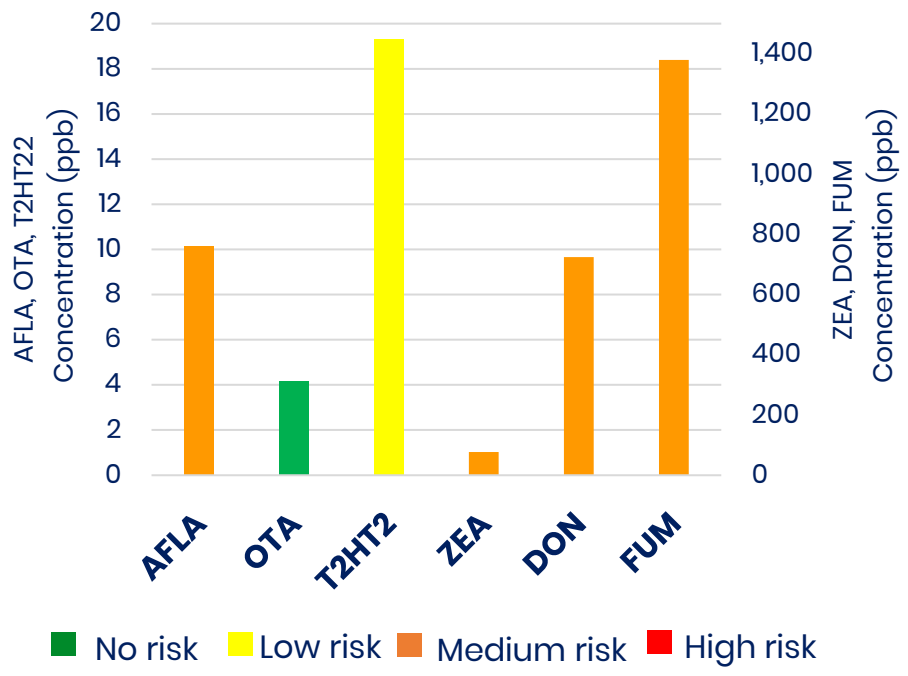
Commodities contamination (%)



Mycotoxin prevalence by feed ingredients

- Maize and related by-products (husks, silage, stalks) showed the highest mycotoxin contamination at 83%, followed by layer feed at 59%, representing ~20% of all analyses
- Ruminant feed, broiler feed, and MBM exhibited similar contamination levels (47–52%), while
- SBM, maize, and defatted rice bran showed 29–35% contamination (24% of analyses) with Palm Kernel Meal had only 10% contamination

Avg. mycotoxin concentration (ppb)



Mycotoxin Burden 2025

- AFLA, ZEA, DON, FUM occurred at medium levels, driving immunosuppression, reproductive issues, reduced growth, and organ damage in livestock
- Co-occurrence of multiple mycotoxins intensified synergistic physiological damage, exceeding single-toxin effects
- Continuous raw-material monitoring remained essential for timely and effective mitigator application in high-risk batches

Risk Level & Symptoms by animal type

Aflatoxins (AFLA)	Liver damage, Immunosuppression, transmission to milk, eggs, meat
Zearalenone (ZEA)	Impacts fertility & result in lower conception rates and higher embryonic death rates
Deoxynivalenol (DON)	Impaired gut & liver, tight junction damage, feed refusal
Fumonisins (FUM)	Disrupts lipid biosynthesis, damages liver/kidney, leading to cell membrane integrity loss (Sphingolipid metabolism)

Broiler

AFLA	OTA	T2HT2
ZEA	DON	FUM

Piglets

AFLA	OTA	T2HT2
ZEA	DON	FUM

Dairy Calves

AFLA	OTA	T2HT2
ZEA	DON	FUM

Young Fish & Shrimp

AFLA	OTA	T2HT2
ZEA	DON	FUM

Layer

AFLA	OTA	T2HT2
ZEA	DON	FUM

Grower/Finisher

AFLA	OTA	T2HT2
ZEA	DON	FUM

Dairy Cows

AFLA	OTA	T2HT2
ZEA	DON	FUM

Mature Fish & Shrimp

AFLA	OTA	T2HT2
ZEA	DON	FUM

Breeder

AFLA	OTA	T2HT2
ZEA	DON	FUM

Sows

AFLA	OTA	T2HT2
ZEA	DON	FUM

Beef cattle

AFLA	OTA	T2HT2
ZEA	DON	FUM

No risk Low risk Medium risk High risk

Recommendation

Selko TOXO-MX	Poultry & swine 2.0kg/mt Ruminant 75g/h/d
Selko TOXO-XL	Poultry & swine 2.0kg/mt Ruminant 45g/h/d

- **Toxo-MX** recommendation during for single or non-polar mycotoxin (AFLA) contamination risks
- **Toxo-XL** recommendation during multiple & medium to high mycotoxin risks for long living animal types (layer, breeder, sows, cows so as young animals during sensitive growth stages (broiler, piglets, calves)

For further information please contact:
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