

# Mycotoxin Contamination Risk

1 – 31 August 2024

## Survey Landscape



**15**  
countries



**634**  
samples



**Commodities:**

Defat. Rice Bran, Maize, Rapeseed meal, Rice, Rice products, Soybean meal, Wheat Bran, Wheat



**166 (26 %)**  
Contaminated  
samples

## Contamination

Mycotoxin contamination increased in FUM & reduced in AF & T2HT2 vs. July 2024

Mycotoxin	Samples	Contaminated samples*	Contaminated samples (%)
AF	133	35	26
DON	146	45	31
FUM	98	41	42
OTA	81	15	19
T2HT2	82	7	09
ZEA	94	23	24
<b>Total</b>	<b>721</b>	<b>193</b>	<b>27</b>

**Mycotoxin contamination review:**

- Rice products, rapeseed meal, defatted rice bran & Maize were mainly mycotoxin contaminated
- Multiple (6) mycotoxin contaminations were found in Maize, followed by rice products (4)

Mycotoxin	Impact to livestock
AF	○ Liver damage
DON, FUM, OTA, T2HT2	○ Immune suppression
DON, T2HT2, ZEA	○ Digestive disorders & reduced feed intake
FUM	○ Respiratory issues
OTA	○ Kidney damage
ZEA	○ Reproductive issues

(AF) – Aflatoxin, (FUM) – Fumonisin, (DON) – Deoxynivalenol, (OTA) – Ochratoxin, (T2HT2) – T2-Toxins, (ZEA) – Zearalenone

## How Does Trouw Nutrition Reduce Mycotoxin Impact?

### Key advantages

Accurate on-site analyses



Fast and reliable decisions



Efficient and easy to use



Cost-effective procedure



applications are recommended to strengthen intestinal tight junctions thereby, hindering mycotoxins to enter the bloodstream.

Dosage Recommendation	Toxo XL (kg/mt)	Safe	Low	Medium	High
		---	0.5	1.0	2.0

Medium FUM-contamination in maize & rice products for poultry, swine & dairy cows

Species	Mycotoxin	Rice bran	Maize	Rapeseed meal	Rice	Rice products	Soybean Meal	Wheat	Wheat Bran
Broiler & Broiler Breeder	AF	Low	Low	Medium	Safe	Low	Safe	Safe	Safe
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Low
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Safe	Safe	Low	Safe
	ZEA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
Layer	AF	Low	Low	Medium	Safe	Low	Safe	Safe	Safe
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Safe
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Safe	Safe	Low	Safe
	ZEA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe

Species	Mycotoxin	Rice bran	Maize	Rapeseed meal	Rice	Rice products	Soybean Meal	Wheat	Wheat Bran
Grower & Finisher	AF	Low	Low	Medium	Safe	Low	Safe	Safe	Safe
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Safe
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	ZEA	Safe	Low	Safe	Safe	Safe	Safe	Safe	Low
Sows & Piglets	AF	Low	Low	Medium	Safe	Low	Safe	Safe	Safe
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Low
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Low	Safe	Low	Safe
	ZEA	Safe	Low	Safe	Safe	Safe	Safe	Safe	Low

Species	Mycotoxin	Rice bran	Maize	Rapeseed meal	Rice	Rice products	Soybean Meal	Wheat	Wheat Bran
Dairy cows	AF	Low	Low	High	Safe	High	Low	Safe	Low
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Low
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	ZEA	Safe	Low	Safe	Safe	Safe	Safe	Low	Low
Beef Cattle	AF	Low	Low	Medium	Safe	Low	Safe	Safe	Safe
	DON	Safe	Low	Safe	Safe	Safe	Safe	Safe	Safe
	FUM	Safe	Low	Safe	Low	Low	Safe	Safe	Safe
	OTA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	T2HT2	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe
	ZEA	Safe	Safe	Safe	Safe	Safe	Safe	Safe	Safe

**Mycotoxin contaminations reduced in July 2024**

- Medium to high AF-contamination in Rapeseed meal
- Medium DON-contamination of Maize used in broiler-breeder, sows & piglet so as dairy cow feed
- Adding up to 1.5kg/mt Toxo XL for save animal performance is recommended
- Recommendation of up to 3 kg/mt Toxo MX inclusion for dairy feeds caused by medium to high AF-contaminations of maize, rapeseed meal & rice products