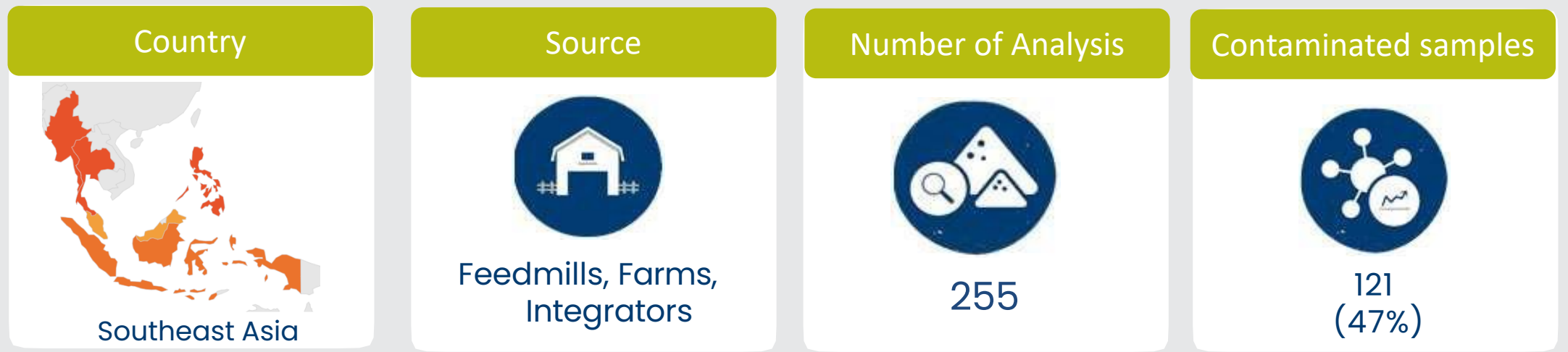


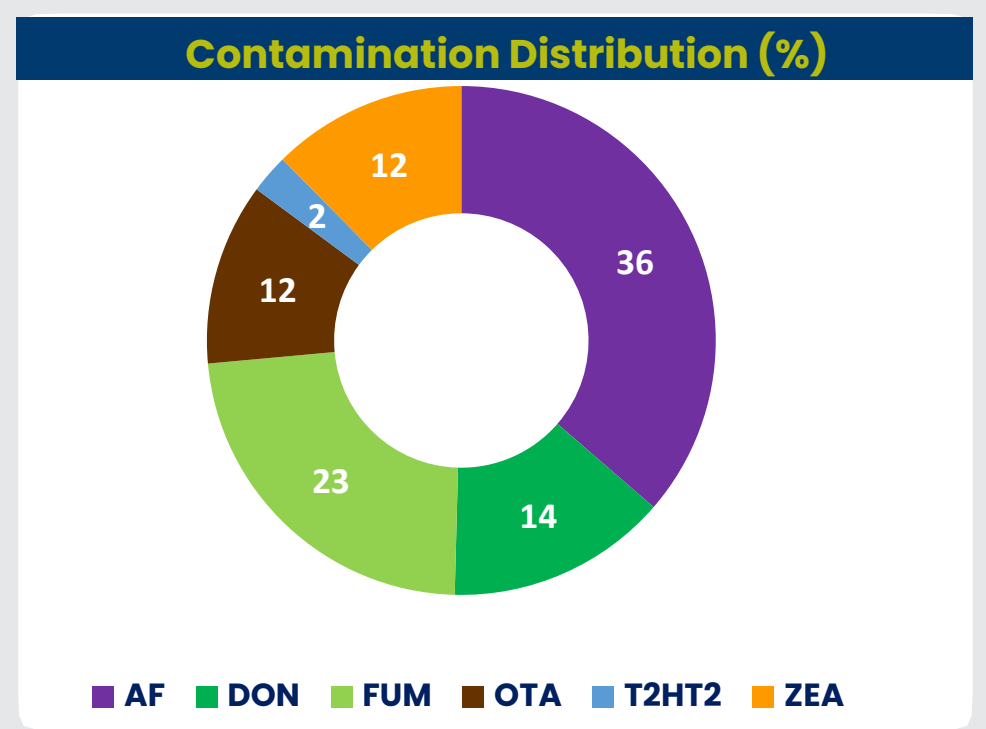
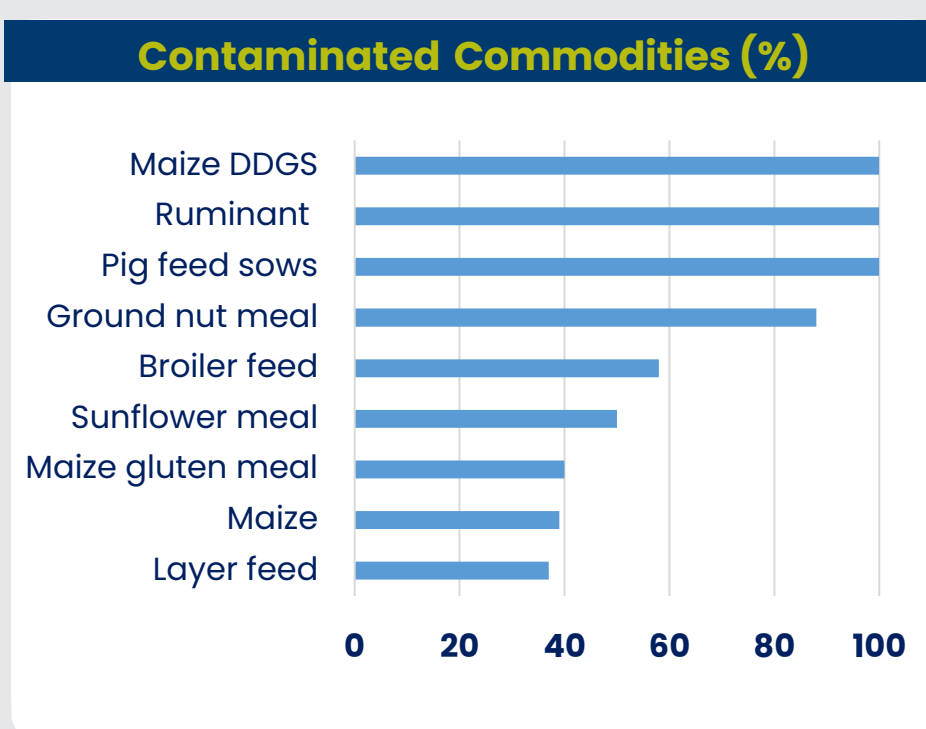
Mycotoxin Risk Alert

Survey Period : October 01 – 31, 2024

Survey Landscape




Commodities




Risk Level & Symptoms by Species

Immediate Risk Mycotoxins


Aflatoxin (AFLA)	Digestive disorders, Reduced feed intake, Immunosuppression, liver damage, AFM1 in milk
Deoxynivalenol (DON)	Digestive & neurological disorders, Immunosuppression, liver damage
Fumonisin (FUM)	Poor intestinal water and glucose absorption (diarrhea), Necrotic lesions in GIT, Poor nutrient absorption



AFLA	DON	FUM
Medium Risk	Medium Risk	Low Risk
OTA	T2HT2	ZEA
Low Risk	Low Risk	Low Risk



AFLA	DON	FUM
Medium Risk	High Risk	High Risk
OTA	T2HT2	ZEA
Low Risk	Low Risk	Medium Risk



AFLA	DON	FUM
High Risk	High Risk	Medium Risk
OTA	T2HT2	ZEA
Low Risk	Low Risk	Low Risk

Recommendation

Consider synergistic and additive effects for interpretation of mycotoxin assessment



Mycotoxin Interaction

- Synergistic effects occur when the combined effects of two mycotoxins (even at low levels) are greater than the individual effects of each toxin alone (1+1 >2)
- Additive effects can also occur with the combined effects of two mycotoxins being equal to the sum of the effects of each toxin on its own (1+1 =2)



For further information please contact:

Kai Jens Kuehlmann – Feed Quality Program Manager Trouw Nutrition Asia Pacific
kai.kuehlmann@trouwnutrition.com or your sales representatives