

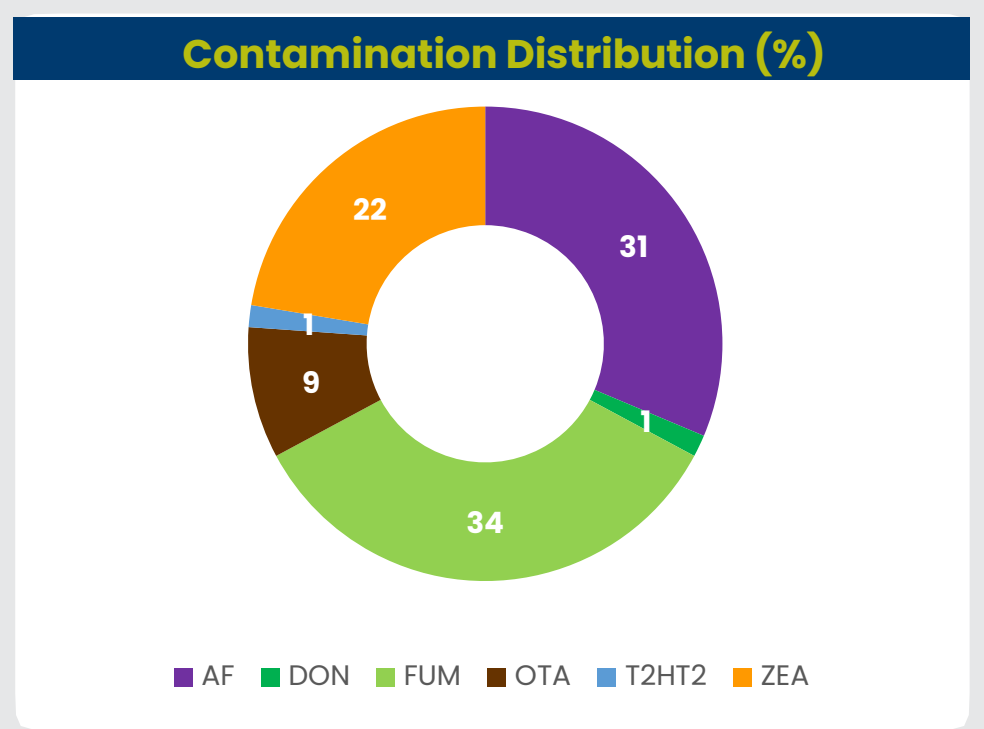
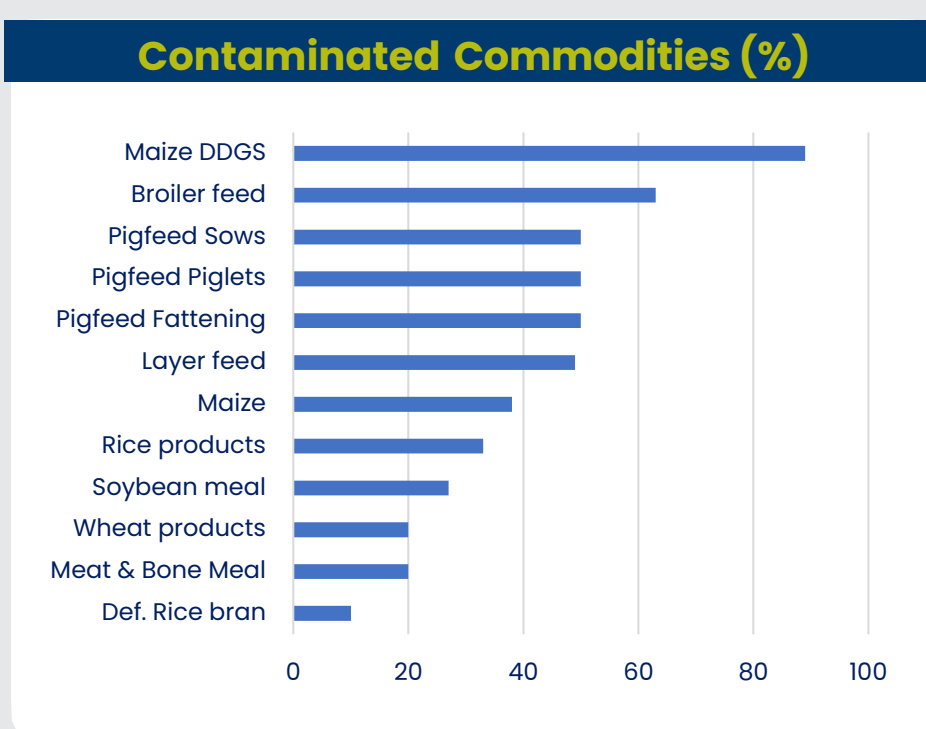
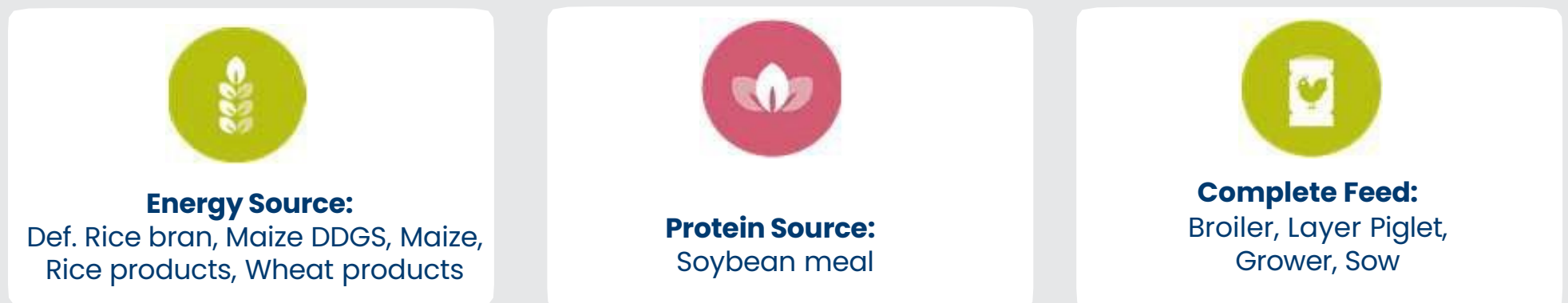
Mycotoxin Contamination Alert

Survey Period : September 01 – 30, 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

Species	AFLA	DON	FUM	AFLA	FUM	ZEA	AFLA	FUM	DON
Chicken	Medium Risk	Low Risk	Low Risk						
Pig	Medium Risk	Low Risk		Low Risk		Medium Risk			
Cow	High Risk			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

