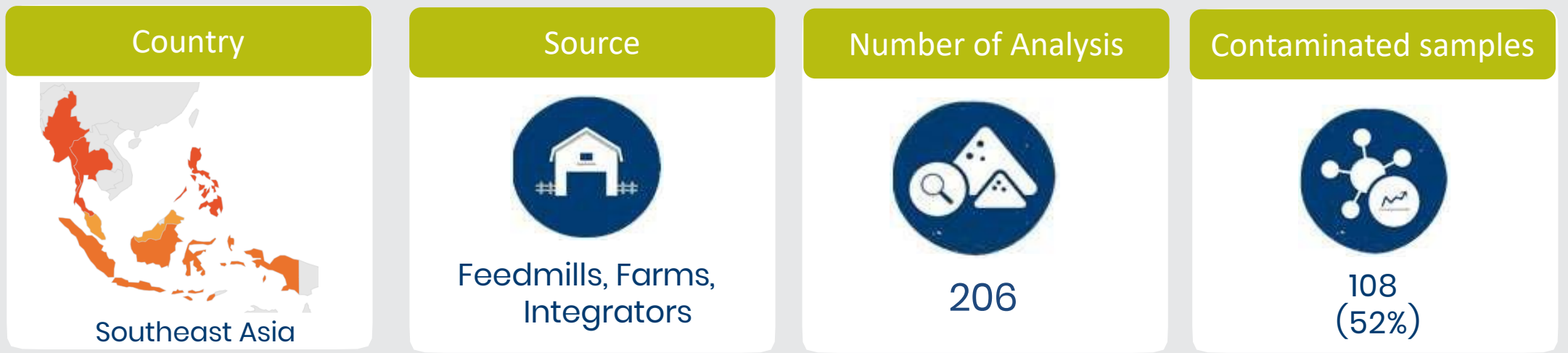


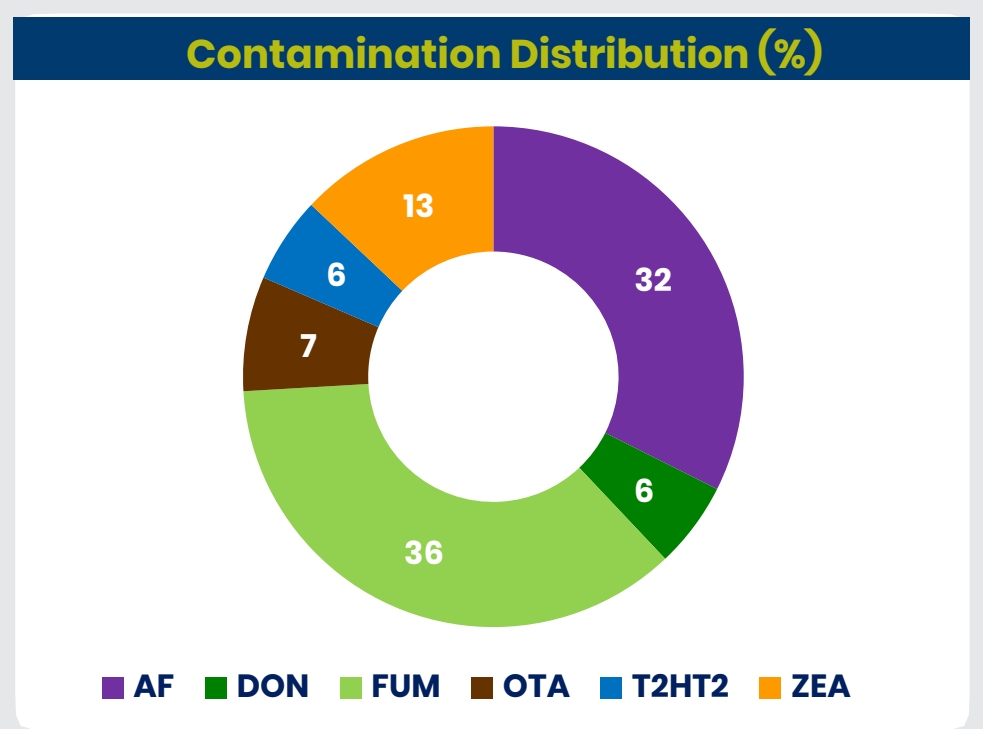
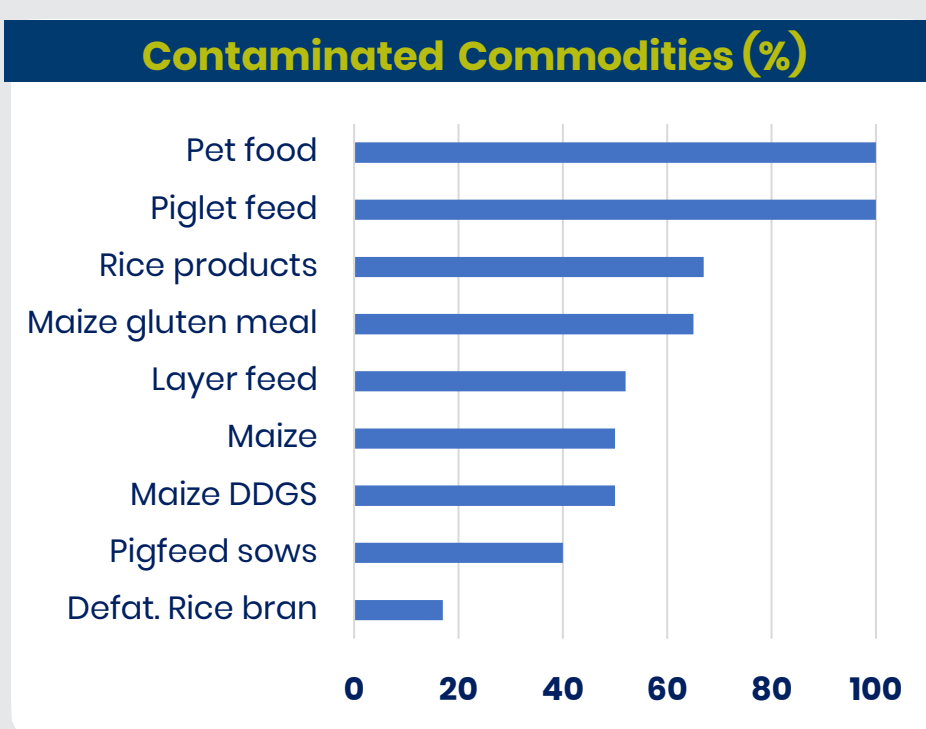
# Mycotoxin Risk Alert

Survey Period : November 01 – 30, 2024

## Survey Landscape




## Commodities




## Risk Level & Symptoms by Species

### Immediate Risk Mycotoxins


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



| AFLA     | DON       | FUM       |
|----------|-----------|-----------|
| Low Risk | High Risk | High Risk |
| OTA      | T2HT2     | ZEA       |
| Low Risk | Low Risk  | Low Risk  |



| AFLA     | DON       | FUM       |
|----------|-----------|-----------|
| Low Risk | High Risk | High Risk |
| OTA      | T2HT2     | ZEA       |
| Low Risk | Low Risk  | High Risk |



| AFLA      | DON       | FUM       |
|-----------|-----------|-----------|
| High Risk | High Risk | High Risk |
| OTA       | T2HT2     | ZEA       |
| Low Risk  | Low Risk  | High 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:

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