

# Alltech® MYCOTOXIN MANAGEMENT

## ALLTECH 37+® Survey: 2015 North America Corn Grain Analysis

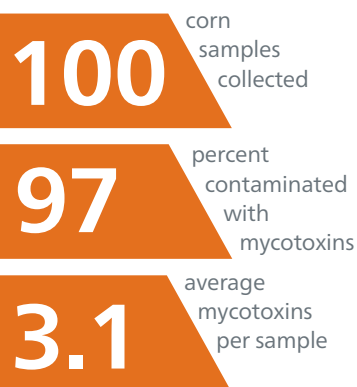
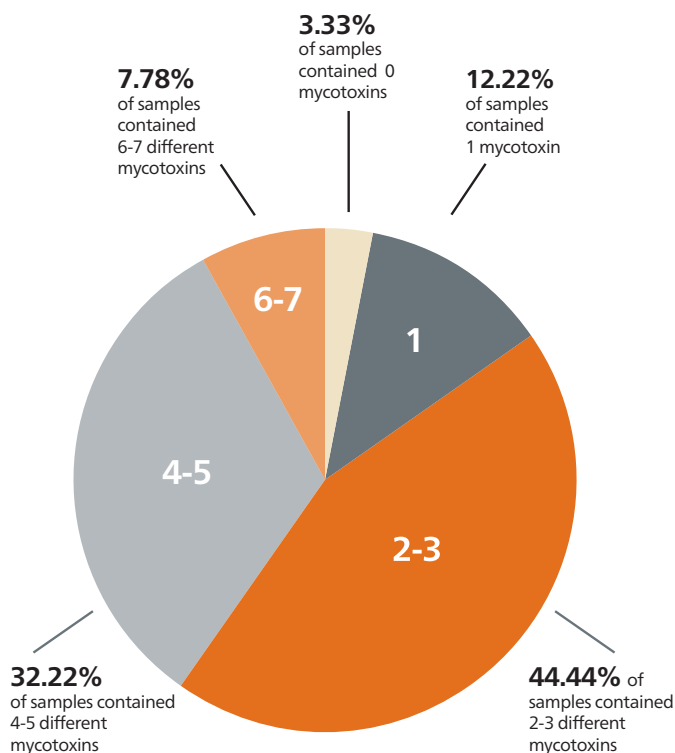
Alltech recently concluded its 2015 North America Harvest Analysis. From September to November 2015, 100 corn grain samples were collected from key production areas across the United States and Canada and analyzed through the ISO/IEC accredited Analytical Services Laboratory of Alltech, using LCMS/MS technology. Testing for over 37 individual mycotoxins in a given sample, the ALLTECH 37+ mycotoxin analysis shows the risk that mycotoxins in the new crop pose to livestock health and performance.

Some of the key mycotoxins prevalent in this year's corn crop include:

- **Type B Trichothecenes** – Can impact immunity, reduce feed intake, cause intestinal damage and ultimately result in altered production.
- **Fusaric Acid** – Can interact synergistically with Type B Trichothecenes. Symptoms include decreased feed intake and lowered blood pressure leading to swelling.
- **Fumonisin**s – Can reduce feed intake, cause liver and lung damage, suppress immune function, lower production.

With the survey finding a consistent presence of mycotoxins across a number of feedstuffs and the various risk levels associated with these mycotoxins to livestock, it is suggested that producers look to employ a proper management program and test all feedstuffs and forages for mycotoxins prior to feed out. Mitigation strategies such as the use of a mycotoxin sequestering agent at all times will aid in preventing and/or offsetting the negative effects of mycotoxins on livestock health. The most effective mycotoxin sequestering agents are those that can help combat the risk of simultaneous multiple mycotoxin contamination, as samples tested were contaminated with multiple mycotoxins more than 97 percent of the time. If left uncontrolled, contamination even at low levels can cause health and performance challenges in livestock, resulting in the loss of production and profitability.

Location: North America | Date Range: September – November 2015 | Number of Mycotoxins Contaminating Feedstuffs



Average Risk To Animals – Corn Grain		
Species	REQ (ppb)	Risk
Dairy	33	Low
Beef	26	Low
Calves/Heifers	12	Medium
Sows/Gilts	36	Medium
Nursery	16	Medium
Grow/Finish	53	Medium
Broilers	29	Low
Layers	26	Low
Breeders	26	Low

\*\*REQ = Risk Equivalent Quantity\*\*



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Protecting them is ours.