

MYCOTOXINS:

THE TOXIC EFFECTS ON FEED & PROFITABILITY

AFLATOXINS | Depressed Milk Production, Reduced Intake & Performance, Liver Damage and Death

ZEARALENONES | Reproductive Disorders, Lower Conception

DEOXYNIVALENOL | Reduced Performance, Intestinal Damage, Diarrhea

T-2 TOXIN | Reduced Performance, Intestinal Hemorrhage, Diarrhea, Increased Disease



FUMONISINS | Reduced Intake & Performance, Mild Liver Damage

ERGOT ALKALOIDS | Lameness, Necrosis of the Extremities, Reduced Performance



When multiple mycotoxins are encountered, overall animal toxicity comes from the additive and synergistic interactions among them,¹ not only the sum of the individual toxins.

THE REAL COST OF CONTAMINATION

15% DROP

IN MILK PRODUCTION PER COW/DAY²

15% drop in milk production per cow/day²

Common Culprits:

Aflatoxin, Deoxynivalenol

\$326/cow

COST OF SINGLE MASTITIS CASE³

\$326 per cow cost³ of a single case of mastitis due to immunosuppressive nature of mycotoxins

Common Culprits:

Deoxynivalenol, T-2 Toxin, Zearalenone

\$555

COST PER LOST PREGNANCY⁴

\$555 cost for each pregnancy loss⁴ caused by mycotoxin-induced immunosuppression

Common Culprit:

Zearalenone

\$2-6

LOSS PER COW/DAY FROM DAYS OPEN⁵

\$2-6 per cow for each day open⁵ due to enlarged vulva and possible irregular heats and fertility

Common Culprit:

Zearalenone

\$641

AVERAGE COST OF DISPLACED ABOMASUM³

\$641 average cost of displaced abomasum³
\$180 average cost of ketosis case³

Common Culprit:

Deoxynivalenol

THE SMART CHOICE FOR AN EXPENSIVE THREAT

While multiple solutions are available to help manage mycotoxins in your feed, Phibro Animal Health Corporation offers a trusted partnership and research-proven results to help you better manage a healthy bottom line.

Talk to your Phibro dairy advisor or visit pahc.com/AB20/dairy to learn more.



pahc.com/AB20/dairy

¹Pereira et al., 2019. Toxins. 11:290-352. ²Adams, et al., 2016. Mold and Mycotoxin Problems in Livestock Feeding. <https://extension.psu.edu/mold-and-mycotoxin-problems-in-livestock-feeding>. ³Liang et al., 2017. J. Dairy Sci. 100:1472-1486. ⁴De Vries et al., 2006. J. Dairy Sci. 89:3876-3885. ⁵Dairy Cattle Reproduction Council. "The Dollar Value of a Pregnancy." <https://www.dccouncil.org/wp-content/uploads/2017/04/The-dollar-value-of-a-pregnancy.pdf>.