

# MYCOTOXINS:

## GET THE WHOLE PICTURE ON REDUCED PROFITS

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

**DEOXYNIVALENOL** | Reduced Performance, Intestinal Damage, Diarrhea

**FUMONISINS** | Reduced Intake & Performance, Mild Liver Damage

**ZEARALENONES** | Reproductive Disorders, Lower Conception

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

**ERGOT ALAKALOIDS** | Lameness, Necrosis of the Extremities, Reduced Performance

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

## THE REAL COST OF CONTAMINATION

<b>15% DROP</b>	<b>\$326/cow</b>	<b>\$555</b>	<b>\$2-6</b>	<b>\$641</b>
<b>IN MILK PRODUCTION PER COW/DAY<sup>2</sup></b>	<b>COST OF SINGLE MASTITIS CASE<sup>3</sup></b>	<b>COST PER LOST PREGNANCY<sup>4</sup></b>	<b>LOSS PER COW/DAY FROM DAYS OPEN<sup>5</sup></b>	<b>AVERAGE COST OF DISPLACED ABOMASUM<sup>3</sup></b>
15% drop in milk production per cow/day <sup>2</sup>	\$326 per cow cost <sup>3</sup> of a single case of mastitis due to immunosuppressive nature of mycotoxins	\$555 cost for each pregnancy loss <sup>4</sup> caused by mycotoxin-induced immunosuppression	\$2-6 per cow for each day open <sup>5</sup> due to enlarged vulva and possible irregular heats and fertility	\$641 average cost of displaced abomasum <sup>3</sup>
<b>Common Culprits:</b> Aflatoxin, Deoxynivalenol	<b>Common Culprits:</b> Deoxynivalenol, T-2 Toxin, Zearalenone	<b>Common Culprit:</b> Zearalenone	<b>Common Culprit:</b> Zearalenone	<b>Common Culprit:</b> 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](http://pahc.com/AB20/dairy) to learn more.



<sup>1</sup>Pereira et al., 2019. Toxins. 11:290-352. <sup>2</sup>Adams, et al., 2016. Mold and Mycotoxin Problems in Livestock Feeding. <https://extension.psu.edu/mold-and-mycotoxin-problems-in-livestock-feeding>. <sup>3</sup>Liang et al., 2017. J. Dairy Sci. 100:1472-1486. <sup>4</sup>De Vries et al., 2006. J. Dairy Sci. 89:3876-3885. <sup>5</sup>Dairy 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>.