

Milk Protection, Greater Profit



Dairy cattle consuming feed contaminated with mycotoxin AFB1 result in:

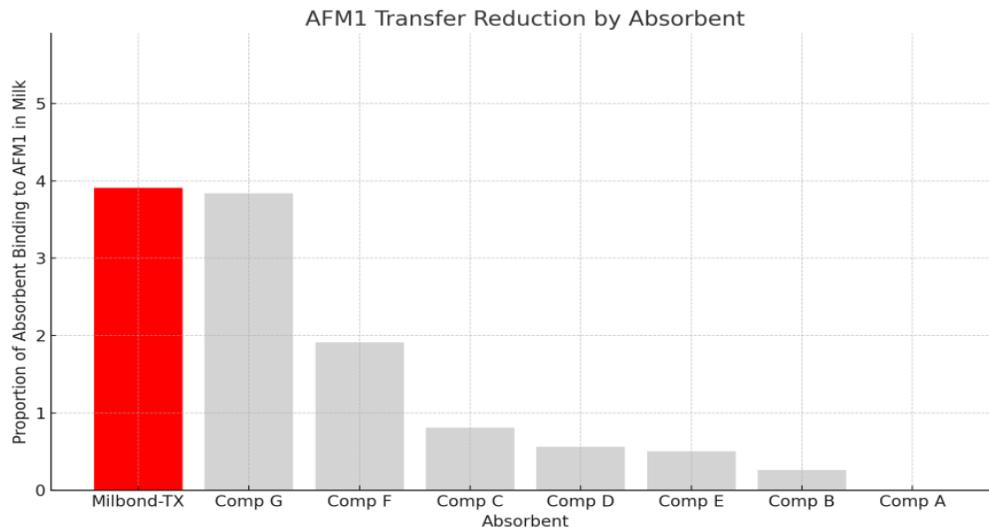
- Reduced overall performance and productivity
- Impaired liver function
- Weakened immune system, increasing vulnerability to disease
- Negative effects on reproductive function, including reduced sperm quality and DNA integrity in bulls

A Public Health Concern:

Due to its serious impact, AFM₁ is strictly regulated. In the U.S., The FDA limits AFM₁ in milk to 0.5 pg/kg to protect consumers.

HOW MILBOND[®]-TX BETTER ANIMAL HEALTH MORE PROFITABILITY

MILBOND[®]-TX reduces the risk of AFM₁ contamination by efficiently binding the toxin before it transfers into milk. With a high toxin-binding efficiency (proportion value: 3.91), MILBOND[®]-TX binds more AFM₁ per unit remaining in milk than other binders—helping to safeguard milk quality, animal health, and ultimately, consumer safety.



Data adapted from Stroud (2006)

AFM₁ Reduction in Milk by Absorbent Type. This chart compares the effectiveness of various absorbents in reducing the transfer of AFM₁ into milk.

Reference: Stroud, J. S. (2006). The effect of feed additives on aflatoxin in milk of dairy cows fed aflatoxin-contaminated diets (Master's thesis, North Carolina State University). North Carolina State University.

Jiang Y, Ogunade IM, Vyas D, Adesogan AT. Aflatoxin in Dairy Cows: Toxicity, Occurrence in Feedstuffs and Milk and Dietary Mitigation Strategies. *Toxins (Basel)*. 2021 Apr 17;13(4):283. doi: 10.3390/toxins13040283. PMID: 33920591; PMCID: PMC8074160.



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by the Office of The State Chemist of Texas
License No. 111924-3
MILBOND[®]-TX



CERTIFICATE ISO 9001:2015



MILPRO[®]-TX – Dairy cows's First Line of Defense for Gut Integrity and Long-Term Vitality.



INTRODUCTION:

MILPRO[®]-TX is a proprietary, all-natural blend of feed additives formulated to support optimal gut health and provide comprehensive detoxification across the gastrointestinal tract. Engineered for daily use, MILPRO promotes resilience and longevity in Dairy cows by enhancing internal wellness and environmental cleanliness.

Key Benefits:

- **Comprehensive Gut Support:** Maintains daily gastrointestinal function and integrity.
- **Mycotoxin Protection:** Demonstrated efficacy in adsorbing a wide spectrum of harmful mycotoxins.
- **Pathogen Defense:** Proven effectiveness against bacteria, viruses, and endotoxins.
- **Ammonia Control:** Binds ammonia both within the animal and in its surrounding environment.
- **Advanced Detoxification:** Targets and neutralizes heavy metals, nitrates, herbicides, radiation, and microplastics.

Reducing toxic interference and promoting a cleaner living environment, MILPRO-TX supports overall animal wellness and enhances productivity.

Use & Dosage (General Guidelines)

Species	Dosage / Guideline	Frequency / Notes
Dairy Cows	100–120 g / cow / day	Daily
Calves	1 g / kg BW / day	For 5–10 days

Stable in feed and water; no withdrawal; 5-year shelf life.

Species-Specific Effects and Observations

Ruminants:

- Field observations highlighted enhanced colostrum quality.
- Fewer instances of subclinical hypocalcemia were noted during transition periods.
- Rumen pH remained more stable, supporting non-pharmaceutical, supportive interventions.

Citation: Movahedi NS, Foroudi F, Karimi N, Abedini MR, Karimi K. Zeolite-supplemented diets in the prenatal period affected postpartum reproductive parameters, colostrum production, and body condition score of dairy cows. *J Adv Vet Anim Res.* 2023 Sep 24;10(3):410-420. doi: 10.5455/javar.2023.j694.

Su X, Huang P, Guo Y, Cao J. Zeolite for preventing periparturient hypocalcemia in dairy cows: mechanisms and application strategies. *Front Vet Sci.* 2025 Aug 8;12:1635245. doi: 10.3389/fvets.2025.1635245.



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