



Mycotoxin Control Solution for Maximum Animal Performance



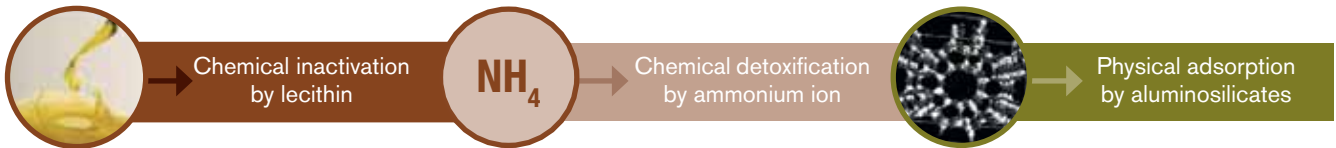
What is TOXIBAN®?

TOXIBAN® is an effective solution to

- reduce feed deterioration caused by molds and their metabolites
- control Aflatoxin contamination in feed ingredient raw materials
- reduce mycotoxicosis risk, thus improving animal production parameters on the farm

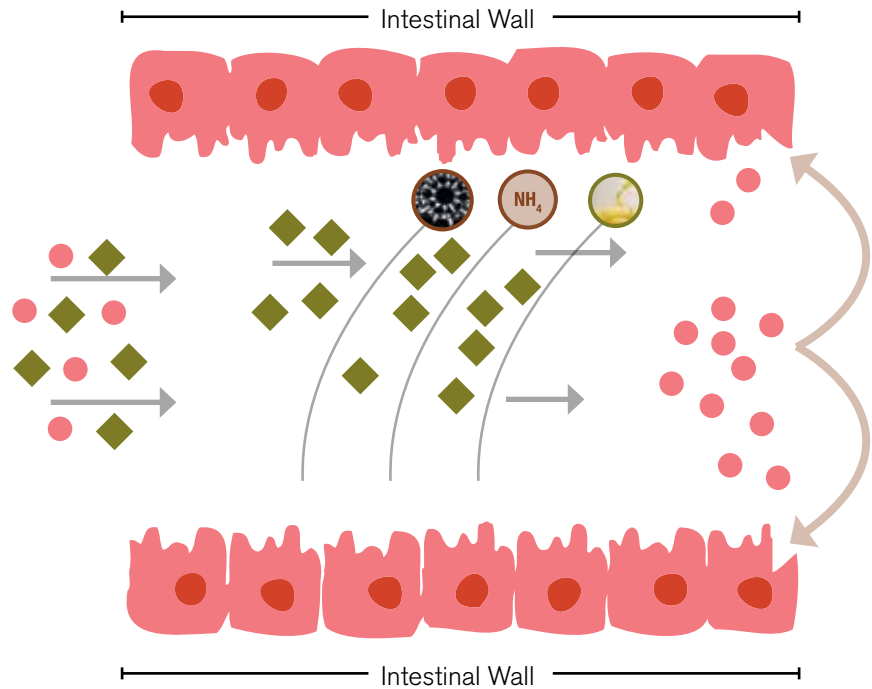
TOXIBAN Characteristics

Carefully-selected, high-purity ingredients ensure effective product activity at two levels: *in the feed and in the animal.*



Mycotoxins are adsorbed, detoxified or inactivated by active ingredients of TOXIBAN.

Nutrients can be absorbed by enterocytes with little interference.



- Nutrients
- ◆ Mycotoxins

TOXIBAN® Benefits

- Improves production parameters [feed conversion ratio (FCR), daily growth]
- Works in the presence of vitamins, pigments, antibacterials and coccidiostats
- Prevents the risks of mycotoxins passed to human food by products of animal origin

Figure 1. TOXIBAN Reduces Aflatoxin B1 Toxicity and Improves Body Weight (BW) in Broiler Chicks

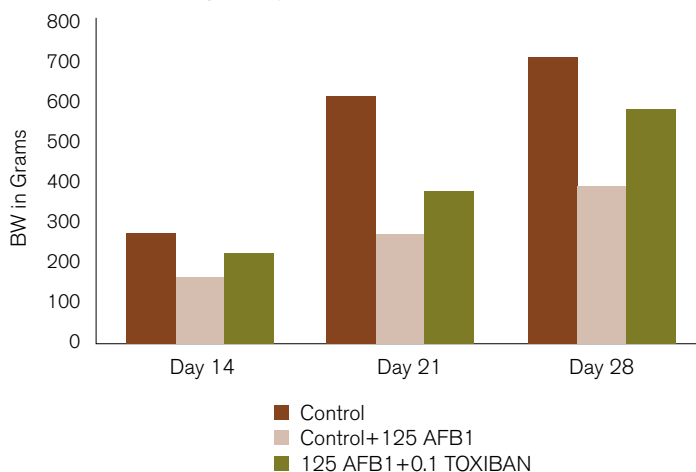


TABLE 1.

TOXIBAN Reduces The Presence of Aflatoxin M1 in Milk when Aflatoxin B1 Contaminated Feed Is Fed to Dairy Cows

	Control	Control	TOXIBAN 75 g/d	TOXIBAN 75 g/d
Number animals	5	5	5	5
Level of Aflatoxin B1 in feed	0.2 mg/kg	0.5 mg/kg	0.2 mg/kg	0.5 mg/kg
Level of Aflatoxin M1 in the milk	0.05 mg/L	0.09 mg/L	Not detectable	Not detectable
Milk production per day	22.8 kg	21.1 kg	24.0 kg	23.9 kg

TABLE 2.

TOXIBAN Improves Piglet Performance in the Presence of Aflatoxin and Ochratoxin Contaminated Feed Compared to Other Adsorbents in the Market

Days	Control			0.5% TOXIBAN		
	1	21	42	1	21	42
BW, Kg	11.32	19.23	26.46	11.21	20.15	35.06
Average Daily Gain (ADG), g/pig/day		0.38	0.63		0.43	0.71

Application Recommendations

Material to protect	Low contamination	High contamination
Raw material	0.5-1 kg/MT	1.5-5 kg/MT
Feed	0.5-1 kg/MT	1.5-5 kg/MT

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