

# Maximum Food Security for Maximum Animal Performance

**TOXIBAN<sup>®</sup> MAX**



**NOVUS<sup>®</sup>**  
SOLUTIONS SERVICE SUSTAINABILITY™



## WHAT IS TOXIBAN® MAX?

**TOXIBAN® MAX** is a new generation of mycotoxin shield that provides effective protection against the most significant mycotoxins in poultry, swine and dairy feed: such as aflatoxin, zearalenone, DON, ochratoxin and fumonisin.

## Characteristics

..... of TOXIBAN MAX .....

TOXIBAN MAX contains a mix of ingredients which ensure mycotoxin protection through different mechanisms.

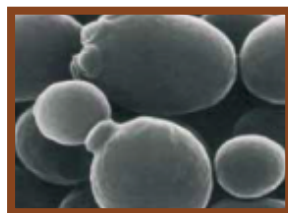
### RESPONSE TIME



**Bentonite-Montmorillonite**



Passive Sequestration



**Yeast Cell Wall**



Active Binding



**Lecithin**



Additional synergistic benefits for maximum protection



**Marigold Extract**



**Bentonite-Montmorillonite + Yeast Cell Wall**  
Blocks fungal toxic metabolites from entering the blood stream by a combination of active and passive adsorption

# Benefits

Due to its variety of ingredients, TOXIBAN MAX® is highly effective in controlling most important feed mycotoxins in animal production.

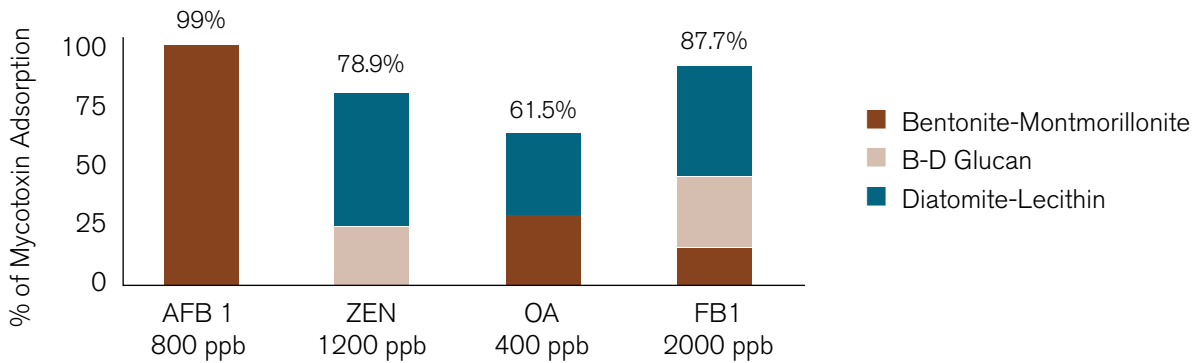


Figure 1. Effect of TOXIBAN MAX on live weight gain of pigs fed a Zearalenone (ZEN) and Deoxynivalenol (DON) contaminated diet\*

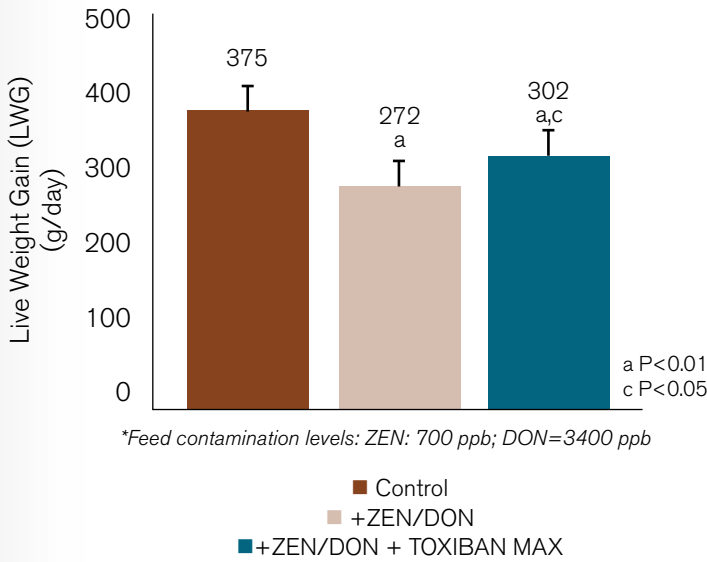


Figure 2. Effect of TOXIBAN MAX on liveability of pigs fed a Zearalenone (ZEN) contaminated diet

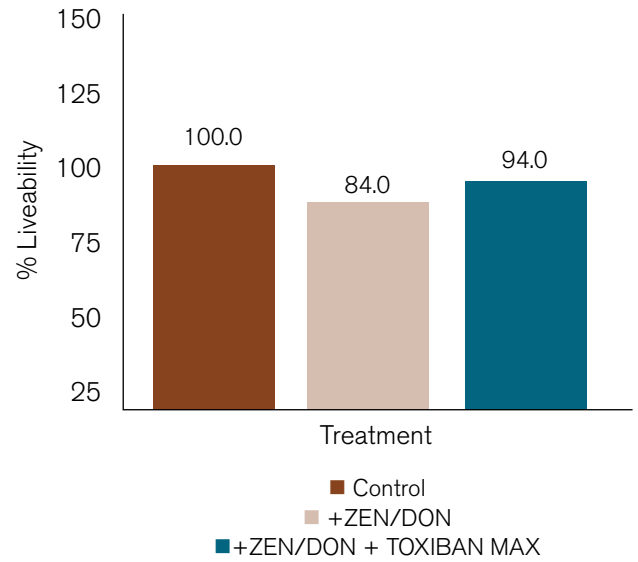


Figure 3. Effect of TOXIBAN MAX on clinical signs<sup>1</sup> of pigs fed with experimentally Zearalenone (ZEN) contaminated diet

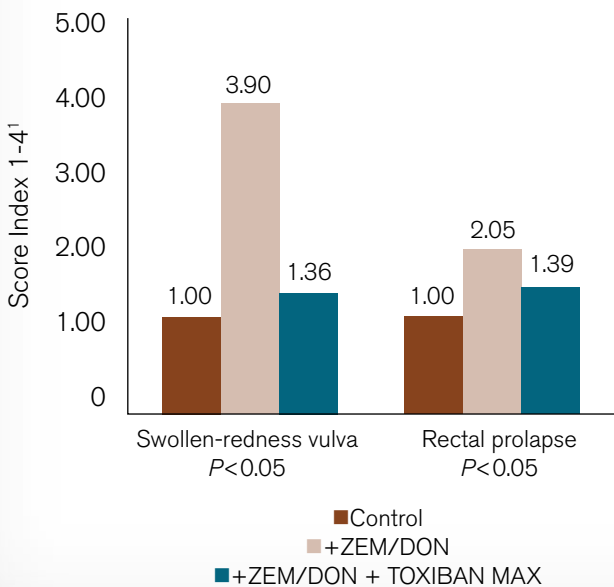
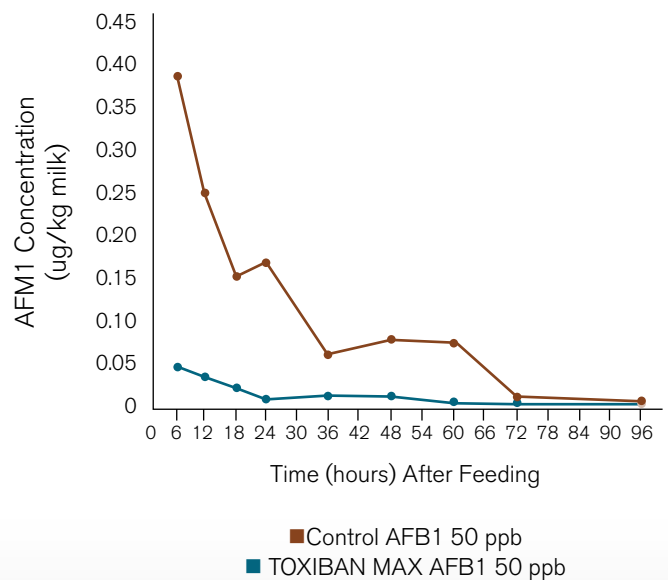


Figure 4. Effect of appearance of Aflatoxin M1 (AFM1) in milk when feeding an aflatoxin contaminated TMR with or without TOXIBAN MAX



## Feeding Recommendations

Animal specie	Production phase	TOXIBAN® MAX inclusion rate*
Poultry	All	0.5-1.5 kg/MT of feed
Swine	Starter-post weaning	1-2.5 kg/MT of feed
Swine	Grower-finisher	0.5-2 kg/MT of feed
Swine	Sows	1-2.5 kg/MT of feed
Dairy	Calves	1-2 kg/MT of feed
Dairy	Cows	20-50 g/h/d
Others	All	0.5-2.5 kg/MT

\*Inclusion rates should be modulated depending on the mycotoxin presence or contamination risk.

## The Novus Commitment

Novus is a leading developer of animal health and nutrition programs for the dairy, poultry, pork, beef, aquaculture and companion animal industries. Novus feed quality programs protect the value of high quality feed ingredients and finished feed to ensure optimal animal performance, improved feed conversion and protection of the producer's investment.

At Novus, our vision is to help feed the world affordable, wholesome food. To do that, we focus on the areas of performance, food safety, animal welfare and environment. With our world-class research facilities and headquarters in St. Charles, Missouri, USA, we create animal health and nutrition solutions based on science.

Novus International's roots trace back more than five decades with basic and applied research and development and manufacturing expertise. Since becoming an independent company in 1991, we have built upon our understanding of animal nutrition to develop multiple lines of products and services to the livestock, pet and industrial markets.

### Ordering Information

Novus has dedicated sales and technical services professionals ready to assist you. Please contact your Novus Sales Representative or contact Novus Customer Service at 800.568.0088.

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