



## Effective mycotoxin control and powerful protection

Anta Ferm MT 80 from Dr Eckel is a powerful protection against mycotoxins and supports the well-being and performance of livestock. All components of this effective mycotoxin binder are specifically selected to give an optimal and lasting effect against a wide range of mycotoxins.

[dreckel.com](http://dreckel.com)

Thanks to the high quality ingredients, Anta Ferm MT 80 guarantees high selectivity, so that no valuable nutrients are bound. Consequently, animal health,

performance and the profitability are improved. In summary, Anta Ferm MT80 benefits:

- The feed manufacturer:
  - High quality mycotoxin binder.
  - Higher feed security.
  - Free flowing, easy to handle.
- The farmer:
  - Protects against losses from health problems.
  - Protects against reduced performance due to mycotoxins.
- The animal:
  - Protects against mycotoxins.
  - Less mycotoxin related health hazards.
  - Does not bind nutrients.

## Mycotoxin management and mitigation programme

Mycotoxins may cause various toxic effects or mycotoxicosis. Symptoms caused by mycotoxin contamination depend on the type and level of mycotoxin contamination, and also on several factors such as species, sex, environment and nutritional status.

[globalnutrition.com](http://globalnutrition.com)

Additionally, multi-mycotoxin contamination even at low levels may result in chronic toxicity that produces elevated negative effects on performance and the immune system.

Among 400 known mycotoxins, zearalenone, ochratoxin, fumonisins and deoxynivalenol (vomitoxin) are the most commonly reported mycotoxins in swine feed.

Zearalenone is most frequently implicated in reproductive failure in pigs, it can also reduce conception rates, increase play-legged piglets and in certain severe cases cause embryonic loss.

Some recent studies have also shown that other fusarium mycotoxins like DON and T2

negatively impact immune-response and gut health in livestock.

Unlike polar mycotoxins, zearalenone and deoxynivalenol are difficult to mitigate and control with traditional binding agents.

For the past 15 years, Global Nutrition has aimed to develop the ideal mycotoxin management and mitigation programme.

Globafix Plus is a premium mycotoxin management and mitigating agent that has been proven to perform and protect livestock from difficult to control mycotoxins.



Thanks to the synergistic activities of a unique montmorillonite, a select yeast cell wall and pyrolyzed vegetal carbon, Globafix Plus has been shown to effectively bind ZEA and DON both in vitro and in-vivo.

It has also been shown to reduce ZEA and DON accumulation in blood and tissues of animals fed with mycotoxin contaminated feed. More than just binding a range of mycotoxins, it has proven to have in-depth effects on gut health and immunity as well.

## Minimising the direct and indirect effects of mycotoxins

Mycotoxins represent a worldwide problem in animal nutrition due to their negative effect on production, reproduction, growth efficiency and immunological defence as well as causing damage to liver and kidneys.

[drbata.com](http://drbata.com)

Both polar and non-polar mycotoxins can occur in the feed. Aflatoxins, trichothecene toxins, zearalenone, ochratoxin A and fumonisins can be found during feed analyses. With the use of Detoxa Plus, it is possible to minimise the direct and indirect effects of the mycotoxins in the feed.

Detoxa Plus contains biologically active enzymes and glucans with excellent absorption capacity.



The enzymes are produced by selected micro-organisms.

The glucans originated from *Saccharomyces* have an absorption surface of 22-25m<sup>2</sup>/g.

This newly developed product has the capability to bind aflatoxins and to deactivate ochratoxin, trichothecene- and zearalenone-type mycotoxins in the intestinal tract of the animal. The positive effects of Detoxa Plus include:

- By deactivating the fusariotoxins, which are blocking the protein synthesis, the body weight gain and the feed conversion ratio of pigs will be enhanced.
- Due to the breakdown of the mycotoxins and their metabolites, the immune suppressing effect disappears.
- These positive effects result in a lower occurrence of gastrointestinal and pulmonary diseases, as well as an enhanced efficacy of immunological treatments.

## A plethora of mycotoxin binders for specific needs

ProByn International Inc is a US company who specialises in manufacturing and marketing top quality, mycotoxin binder feed additives for the global animal health industries.

[probyn.com](http://probyn.com)

ProByn ingredients and formulas are based on leading, technological advances in mycotoxin control from prominent research institutions and they are additionally validated by the company's own research.

ProByn's most recently developed toxin binder is Hum-A-Flow, which is a combination of three different binding technologies: yeast cell wall (mannose oligosaccharide), hydrated sodium calcium aluminosilicate (HSCAS), and natural humate binders, humic and fulvic acids.

Mycy-Power on

the other hand, ProByn's top grossing product the past 22 years, is based strictly around mannose oligosaccharide (MOS) binding technology. Myco-Power is sold in numerous global markets and continues to increase in demand, thus demonstrating its worth as a leading option for mycotoxin control.

Aside from Hum-A-Flow and Myco-Power, ProByn International Inc offers a plethora of other mycotoxin binders with different binding capabilities, complexities, and price points, consequently offering farmers and feed millers a wide range of mycotoxin binder options for their specific needs.

ProByn International's toxin binder product line is aimed at keeping the customer's needs at the highest priority while continuing to offer fair and competitive pricing.

