



VERITASVET
TRUSTED PARTNER

TOXYFIX PERFECT



Comprehensive Mycotoxin Solutions
Through Adsorption, Biotransformation,
and Bioprotection Mechanisms



Your Comprehensive Solution for Mycotoxin Detoxification and Organ Recovery



What is **TOXYFIX PERFECT?**

Toxyfix Perfect is a synergistic blend of specifically selected binders, enzymatic biotransformers, and botanicals designed to provide maximum protection against mycotoxin contamination. This advanced formulation features multi-layered mineral components and yeast sources that effectively adsorb, bind, and inactivate both polar and non-polar mycotoxins, including:

Aflatoxins (AFL)
Ochratoxins (OTA)
T-2 Toxin
Zearalenone (ZEN)
Deoxynivalenol (DON)

The modified minerals in Toxyfix Perfect are registered by EFSA for the reduction of mycotoxin contamination in feed (category 1, functional group m, EU No. 1060/2013)



Quality You Can
Trust, Prices You
Can Afford!



Key Benefits of **TOXYFIX PERFECT**

Maximum Mycotoxin Control

Aflatoxins (AFL): B1, B2, G1, and G2 with 100% adsorption

Ochratoxin (OTA): 95% deactivation

T-2 Toxin: 77% binding

Zearalenone (ZEN): 95% binding

Deoxynivalenol (DON): 72% binding

In-vitro university trials have demonstrated a significant detoxification capacity of Toxyfix Perfect, as measured at 200ng/ml at a dosage of 0.5% (legally defined contents for trials):

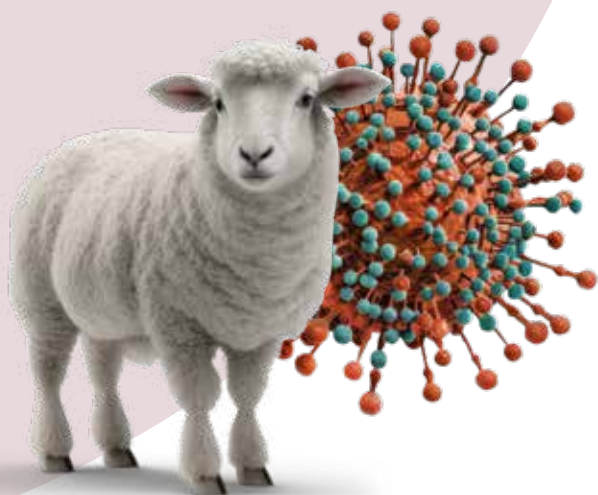
| Mycotoxin: | Detoxification at pH 3.0 | Detoxification at pH 6.5 |
|------------|--------------------------|--------------------------|
| AFL B1 | 100,0 % | 100,0 % |
| AFL B2 | 100,0 % | 100,0 % |
| AFL G1 | 100,0 % | 100,0 % |
| AFL G2 | 100,0 % | 99,0 % |
| OTA | 95,0 % | 71,0 % |
| ZEN | 91,0 % | 95,0 % |
| T2-Toxin | 69,0 % | 77,0 % |
| DON | 72,0 % | 72,0 % |
| ENN | 100,0 % | 100,0 % |
| FUM B2 | 100,0 % | 84,0 % |



“...protecting animals
against mycotoxins...”

TOXYFIX PERFECT – Join the movement towards effective mycotoxin detoxification and enhanced organ recovery with Toxyfix Perfect!

Mycotoxin Eliminator



Enzymatic Biotransformation

Toxyfix Perfect includes enzymes such as Esterase and de-Epoxidase, which transform Deoxynivalenol (DON) and ZEN into non-toxic molecules, facilitating their elimination from the animal's body.

Herbal Detoxification and Recovery

The product contains carefully selected herbs that support liver, pancreas, and kidney detoxification and recovery.

Immune System Support

Toxyfix Perfect includes various ingredients that positively impact the immune system, enhancing overall animal health.



“...positively impact the immune system...”

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Mycotoxin Eliminator



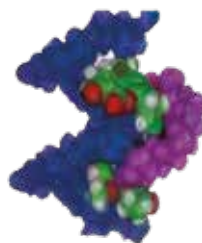
Mode of Action of **TOXYFIX PERFECT**

Adsorption

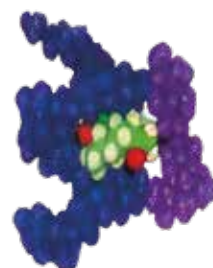
Modified Hydrated Sodium Calcium Aluminium Silicates (double and multiple layer HSCAS) function as a chemical sponge, adsorbing mycotoxins in the gastrointestinal tract. Their unique structure, total ionic charge, charge distribution, pore size, and accessible surface ensure maximum adsorption of AFL, OTA, T-2 Toxin, and ZEN.

Binding

Yeast cell walls contain polysaccharides (Glucans & Mannans), proteins, and lipids, providing numerous easily accessible 'adsorption centers'. Binding mechanisms include hydrogen bonds, Van der Waals bonds, and ionic or hydrophobic interactions.



β -glucans vs. AFL



β -glucans vs. ZEN



**“...adsorbing mycotoxins
in the gastrointestinal tract...”**

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Mycotoxin Eliminator



Antioxidant Protection

Some mycotoxins, such as OTA, T-2 Toxin, and DON, act as free radicals. The antioxidants in Toxyfix Perfect help protect against cellular damage, lipid peroxidation, and degradation of essential nutrients.

Recovery and Promotion

Botanicals like Silybum marianum, Artichoke, and Rosemary enhance the function of the liver, kidneys, spleen, and pancreas. Their actions include antioxidative, antifibrotic, and anti-inflammatory effects, along with immune modulation and detoxification.



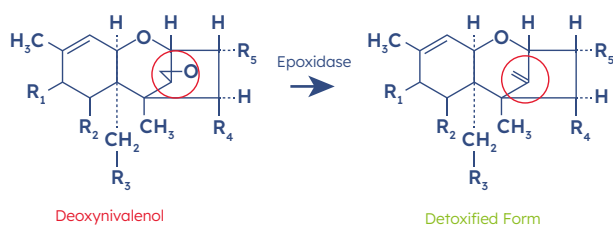
“... helping protect against cellular damage...”

TOXYFIX PERFECT – Join the movement towards effective mycotoxin detoxification and enhanced organ recovery with Toxyfix Perfect!

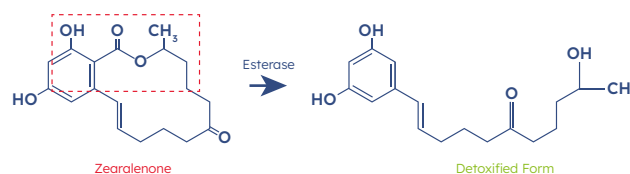
Mycotoxin Eliminator

Biotransformation

Toxyfix Perfect promotes a process where poisonous chemicals undergo enzymatic or microbial degradation, resulting in non-toxic or significantly less toxic metabolites.



The epoxide ring is responsible for the toxicity of Trichotecenes. The reductive de-epoxidation results in a significant loss of toxicity (400x). In addition, DON becomes less polar and can also be bound by Glucan / Mannan Polysaccharides.



ZEN is biotransformed into a detoxified metabolite, by means of the enzyme Esterase. Important: During this transformation, no toxic α -Zearalenone is formed.



“...resulting in non-toxic or significantly less toxic metabolites...”

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Mycotoxin Eliminator



Toxin binder for Animal Feed

| | | | |
|---------------------|---|--------------------------------------|---|
| Product Name | TOXYFIX PERFECT | Animal Species | Add In feed for Cattle (fattening, dairy) Poultry (Broiler, Broiler parent, layers, Layers parent) sheep, camel, goat, and fish |
| Feed Classification | Premix | Storage Condition | Store in dark, cool & Dry Place (Below 25°C) away from direct sunlight |
| Ingredients | Bentonite 50% Sepiolite - Yeast Cell Walls (MOS & β -Glucans) - Propionic Acid - Citric Acid - Phosphoric Acid Prebiotics Phytogenics & enzymes | Name of Address of Manufacturer | FF CHEMICALS BV NETHERLANDS |
| Analysis | - Bentonite (1m558i) 382 g - Bentonite (1m558) 150 g - Sepiolite (E562) 170 g - Yeast Cell Walls (MOS & β -Glucans) 225 g - Plant derivatives 50 g - Propionic Acid 75% 20 g - Citric Acid (E330)99% 1 g - Phosphoric Acid (E338)99% 2 g | Name, address of Marketing Authority | Avenue de Broqueville 136/b1 1200 Bruxelles, Belgium |
| Indications | Mycotoxin Binder | Country of Origin | The Netherlands |
| Direction of Use | 0.5-2.5 kg/ton of the feed | Production Date | |
| | | Expiry Date | |
| | | Batch Number | |
| | | Net Weight | 25 kg |
| | | For Animal Feed Plant | |

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Mycotoxin Eliminator