



CopiTox MB

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Mycotoxin binder



CPC | VILOFOSS®

What is a mycotoxin?

A mycotoxin is a **fungal metabolite** that reduces the metabolic activity in animals. Therefore, they are the **cause of many poisonings, strogenic, gastrointestinal, urogenital, vascular, renal and nervous disorders**, which can cause the death of animals.

They are also **immunosuppressive**, reducing the resistance of animals against infectious diseases.

The **accumulation** of mycotoxins in **raw materials and feed** is a significant threat for **animal health**.

According to FAO, **global losses** of food products due to mycotoxins are of the order of **1000 millions tons per year**, so the negative economic effects are very important.

Why is important to use CopiTox?

It is estimated that 25% of the world's food crops are affected by mycotoxin-producing fungi.

Despite years of research and the introduction of good practises in the feed production, storage and distribution chain, mycotoxins remain a problem.

It is necessary to protect the health of the animals by limiting their exposure to the negative effects of mycotoxins.

What is CopiTox MB made of?

Organic adsorbents,
 β -glucans and
mannans from
S. cerevisiae

Diatom complex,
bentonite 1m558 and
aluminosilicates

High levels of
antioxidants to
preserve the quality
of the feed

Fungicides based on
organic acid salts

CopiTox is a **well-selected versatile mix of non-digestible adsorbents.**

Mycotoxins adhere to CopiTox MB in the gastrointestinal tract, preventing their absorption into the body. **Wide-range spectrum** of action.

Fungi and mycotoxins of global importance

Fungus specie	DERIVED MYCOTOXIN
<i>Aspergillus parasiticus</i>	Aflatoxins B ₁ , B ₂ , G ₁ y G ₂
<i>Aspergillus flavus</i>	Aflatoxins B ₁ y B ₂
<i>Fusarium sporotrichioides</i>	Toxin T-2
<i>Fusarium graminearum</i>	Deoxynivalenol (DON), Zearalenone
<i>Fusarium moniliforme (F. verticillioides)</i>	Fumonisin B ₁
<i>Penicillium verrucosum</i>	Ochratoxin A
<i>Aspergillus ochraceus</i>	Ochratoxin A



Benefits of using CopiTox MB

- ✓ **Prevention** of contamination during feed production.
- ✓ **Decontamination** during feed processing.
- ✓ **Deactivation** of mycotoxins during feed digestion, avoiding or **minimizing the main negative effects** of these metabolites in the animal husbandry:
 - Changes in feed consumption.
 - Conversion rate.
 - Fertility disorders.
 - Decrease in basic resistance.
 - Immune-related disorders.
 - Secondary infections.

Stable over a wide range of pH

Short chain organic acids known for their fungicidal action

Proven efficacy

CopiTox acts as a fungicide thanks to the incorporation of organic acid salts. Also, it is an efficient mycotoxin absorbent due to its studied composition.

Active against Aflatoxin, DON-Vomitoxin, Ochratoxin, Toxin T-2, Fumonisin and Zearalenone.

FUNGUS SPECIE	MYCOTOXINS	COPITOX MB	CONTROL
<i>Aspergillus</i>	Aflatoxins	Aluminosilicates Bentonite Clays	Adsorption
		BHT	Competitive inhibition
<i>Fusarium</i>	Toxin T-2 DON-Vomitoxin Zearalenone Fumonisin	β -glucans y mannans in cell walls of <i>S. cerevisiae</i>	Adsorption
<i>Penicillium / Aspergillus</i>	Ochratoxin A		

Proven in vitro efficacy:

- ✓ **Inclusion rate 1-2 kg/T** preventive and **up to 4kg/T** under suspicion of high contamination.
- ✓ **Stable in a wide range of pH** (this is necessary to keep the mycotoxin adsorbent fixed throughout the intestine and thus allow its excretion).
- ✓ **High affinity** to adsorb low concentrations of mycotoxins.
- ✓ **High adsorption capacity.**
- ✓ **Quick action** (before mycotoxin is absorbed).
- ✓ Trusted product.

CopiTox MB

Technology at your fingertips

At CPC-Vilofoss we believe that any producer or farmer must have the highest technology at their disposal to achieve maximum profitability.

Do not hesitate to contact with our technical-commercial department to solve any doubt that you may have. We also, will provide you with all the information that you need.

For more information contact us at info@cpcfeed.es

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