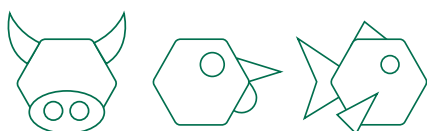


# BioX-Y

MULTI  
SPECIES

## MYCOTOXIN BINDER FOR FEEDING STUFFS AND RAW MATERIALS

- + Effective against the most common mycotoxins
- + Prevents adverse effects of mycotoxins
- + Increases performance of animals
- + Prebiotic components to improve intestinal stability



# BioX-Y

## MYCOTOXIN BINDER FOR FEEDING STUFFS AND RAW MATERIALS

MULTI SPECIES

### What are mycotoxins?

Mycotoxins are toxic substances that originate from the secondary metabolism of several strains of mould fungi. These metabolites are toxic to vertebrates and other animal groups, even in low concentrations. Mycotoxins have different negative impacts on animal performance, including growth, fertility and reproductive performance. The U.N.'s Food and Agriculture Organisation (FAO) estimates that about 25% of crops worldwide are affected annually with mycotoxins (Witlow L.W. et al., 2010).

### Mode of action

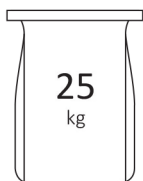
Prevention is the main target, but unfavourable weather conditions do not always make prevention feasible. Therefore, many mycotoxins are frequently found in contaminated commodities. In order to obtain complete decontamination, a blend of binding agents is clearly indicated. **BioX-Y** is a blend of highly efficient inorganic and organic mycotoxin binding agents.

Besides these effects, the yeast cell walls support gut integrity and gut flora for improved intestinal welfare and mucosa's barrier function. Additionally yeast cell walls derived  $\beta$ -glucans adsorb mycotoxins. Consequently, toxins are inhibited from entering the systemic circulatory system by this component, too.

Table 1 shows the adsorption of the product's main components for AFB1 at a pH value of 5. Figure 1, on the other hand, illustrates the binding efficiency of the toxin binder **BioX-Y**.

**Table 1:** Adsorption of AFB1 by the main components of **BioX-Y** at a very low inclusion rate (AFB1 concentration = 4ppm; inclusion rate of components = 0.02%)

Adsorption of AFB1 [%]		
Component I	Component II	Component III
89	94	88



### BioX-Y

- + Binds aflatoxins, ochratoxins, zearalenone, T-2 toxin and fumonisins
- + Prevents detrimental effects of mycotoxins
- + Results in higher animal performance
- + Supports intestinal stability
- + Improves intestinal barrier function

### Packaging

25 kg

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