

THE PROBLEM WITH MYCOTOXINS

No matter the species, control of mycotoxins is crucial for the health and production of livestock. As secondary metabolites of fungi or moulds, the presence of mycotoxins in feedstuff is virtually unavoidable. Common mycotoxins include Aflatoxins, T-2, Ochratoxin, Fumonisin, and Zearalenone. Each of which cause a wide range of problems across livestock such as immunosuppression, organ damage, poor feed conversion, reduced fertility, and poor fetal health. Taking these factors into consideration, the presence of mycotoxins in feedstuff can prove to cause a significant expense for the producer, and corrective action must be taken.

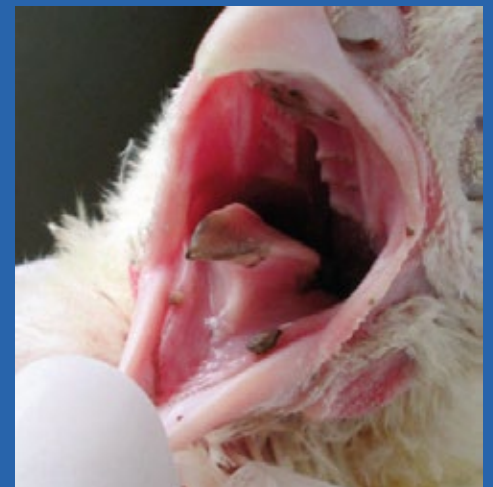


Fusarium ear rot- a mycotoxin producing fungi

MOS- β GLUCAN

CORRECTIVE ACTIONS

The growth of moulds and fungi on feedstuff can occur prior to harvest, as well as in storage. Producers should take extra care to stop and prevent the growth of these microorganisms in order to limit the amount of mycotoxins in the feed. However, these measures will do nothing to suppress the action of already present mycotoxins on the health of the animal. To avoid the negative effects, a mycotoxin binder must be added to the feed to prevent the mycotoxins from ever making it to the animals' blood stream.



Mycotoxin-related gastrointestinal tract lesions in poultry



WallPack is a mycotoxin binder formulated using the cell walls of yeast and seaweeds, providing the unique synergistic affect of indigestible carbohydrates from each to adsorb mycotoxins thus preventing their uptake in the small intestines of the animal.

The functional carbohydrates of Wallpack can be divided into 3 categories:

- (1) **Seaweed prebiotics** originated from the cell wall of selected strains of seaweed.
- (2) **β -glucans**, which have been found to bind a variety of mycotoxins without changing the nutritional value of the feed
- (3) **Mannan-oligosaccharides (MOS)**, which have been found to enhance growth performance, and gastrointestinal health through the adsorption of harmful mycotoxins and bacteria.

WallPack has been specifically designed to bind and promote the excretion of a broad spectrum of mycotoxins by the animal, without affecting the essential nutrients of the animal feed.



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