



# nufense

Mycotoxin Management Solutions

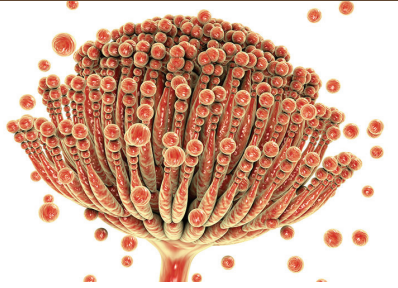
rum



nuevo

# Solutions for the Mycotoxin Challenges

Mycotoxins are secondary metabolites produced by fungi, mostly by saprophytic moulds growing on a variety of feed- and foodstuffs (Turner et al., 2009).



Contamination of feeds with mycotoxins is a worldwide problem and mycotoxin-detoxifying agents are used to decrease their negative effect.

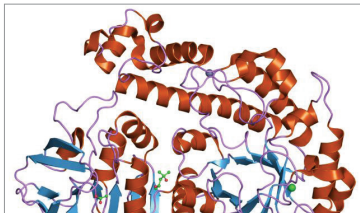
## nufense

### rum

- Thermally & Mechanically activated Aluminosilicate
- Rumen Enzyme: A non starch polysaccharidase enzyme containing feed additive for ruminants



The **mineral clay** used is highly porous, thermally, and mechanically activated with a highly sorbitive capacity and enhanced hydrophilic (anti-diarrhea) and oleophilic (toxin-binding) activity.



**Rumen Enzymes:** nufense rum contains a minimum of 500 FXU/g xylanase and a minimum of 23 GALU/g  $\alpha$ -galactosidase. Polysaccharidase, including the xylanase enzyme, efficiently degrades hemicellulose-type fibers of various feed materials. When added to feed, it significantly improves the utilization of nutrient content of the feed, which results in a significant increase in rumen volatile fatty acid production and thus a stable energy balance.

#### Advantages of Rumen Enzyme:

1. Significantly improves the energy supply of the rumen bacteria that produce VFA.
2. The balanced rumen pH reduces the risk of nutritional and metabolic disorders.
3. Higher milk and meat production.

#### Trilogy Results:

	AF1.	ZEN
% Efficiency	99.6	70.7
Incl. rate	0.02%	0.20%
Toxin conc.	4000 ppb	500 ppb



EURL Method:  
Adsorption of 4000 ppb AB1  
with 0.02% product at pH 5.0

Dosage: 10 – 20 g / head / day

Note: Dosage depends on the mycotoxin risk level