







 **TOXY-NIL<sup>®</sup>**

Reliable protection  
for your animals

# Target animals



-  Broilers
-  Layers
-  Swine fatteners
-  Beef cattle

The most important parameters for industrial non-breeding animals:

- **Growth**    
- **Laying performance** 
- **FCR**     
- **Resistance to diseases**     

# Target animals



Broilers



Layers



Swine fatteners



Beef cattle

FUM

T/HT2

AFL

How mycotoxins affect them?

Which mycotoxins are the most important?

OTA

- **Growth:** AFL, OTA, T/HT2, FUM
- **Egg production:** AFL, OTA, FUM
- **FCR:** AFL, OTA, T/HT2, FUM
- **Resistance to diseases:** AFL, OTA, T/HT2, FUM, DON

# Reliable protection with Toxy-Nil

 TOXY-NIL®

Reliable protection  
against low-level  
mycotoxin contamination



 TOXY-NIL®

Reliable protection against  
low-level mycotoxin  
contamination



 TOXY-NIL®

Reliable protection  
against low  
mycotoxin contamination  
or aflatoxin M1 in milk



## TOXY-NIL® benefits

- Effective against low-level and single mycotoxin contamination
- Supports animal health
- Improves animal growth and nutrient utilisation

# NutriAd mycotoxin risk management



## Adsorption

High adsorbent modified clay minerals



## Bio-inactivation

Yeast and fermentation extracts

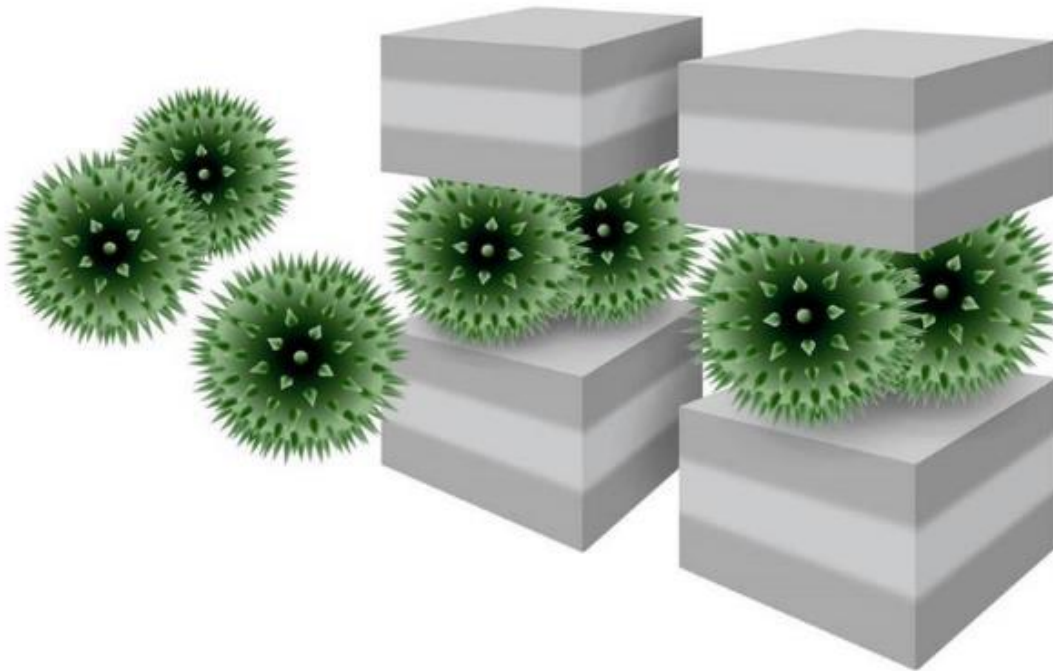
## Immune system revival

Fermentation extracts



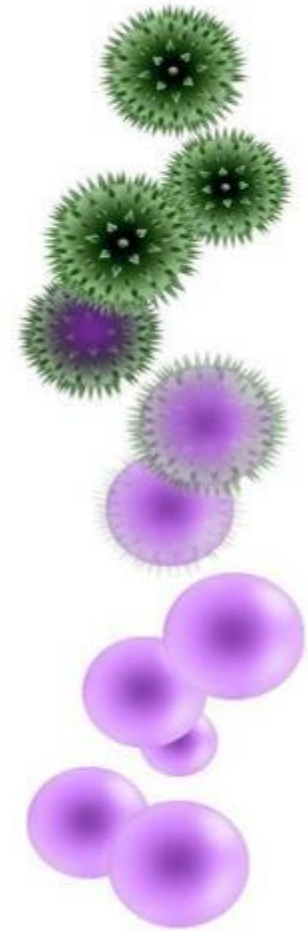
## ☑☐☐ Adsorption of mycotoxins

- ◇ several ingredients
- ◇ selective and effective adsorption of target molecules
- ◇ prevents absorption and promotes excretion of mycotoxins



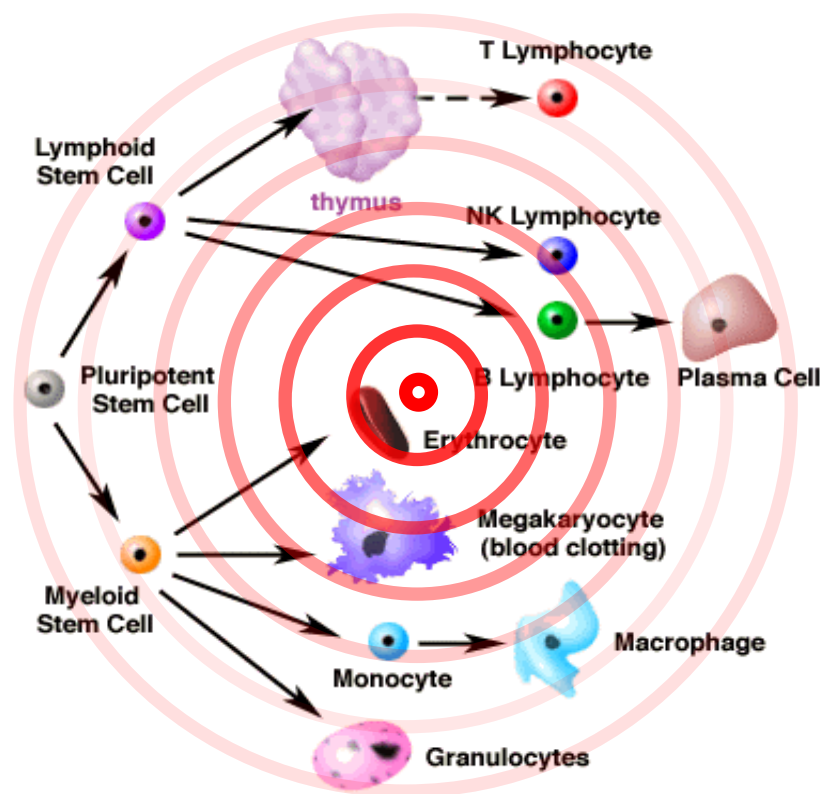
## ☑☑☐ Boost of mycotoxin bio-inactivation

- ◊ stimulation of the specific naturally present **microflora**
  - Bacteria
  - Yeasts
- ◊ stimulation of **specific cells** in the organism (hepatocytes, enterocytes)
  
- ◊ boosted microbiota and cells transform toxins into non-toxic compounds:



## ☑☑☑ Immune system revival

- Mycotoxin exposure cause immunosuppression
- Consequences of immunosuppression
  - Increased susceptibility to infections
  - More severe disease processes
  - More difficult therapies
  - Impaired vaccination response
- **Toxy-Nil** prevents these negative effects by boosting the immune response of the animals





# NutriAd mycotoxin risk management

## Why we are better...



- Combination of several actions in one product (6 pre-selected ingredients)
- The most appropriate solution for **none-reproductive** animals
  - Improves animal **growth** and **nutrient utilisation**
  - Supports animal **health**
- Neutralisation of mycotoxins in the gastro-intestinal tract (function:detoxification) and their negative effect in GIT and in other tissues (reparation:reparation)
- Proven in animal trials
- Registered and marketed in many countries
- Stable during storage and feed processing

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