

Highly effective  
mycotoxin inactivator  
for maximum result



# Hidden threat!

Although the signs of acute mycotoxins may not be overt, animals can still be affected by mycotoxins. Not only high levels, but subclinical lower levels like we often see in the field also create substantial risks for animals. The result: reduced performance and reproduction, but also a greater susceptibility to infectious diseases. Therefore, it is crucial to prevent animals from the negative effects caused by mycotoxins. With UNIKE<sup>®</sup>PLUS you will have a powerful tool to eliminate these harmful toxins and optimize your animal production.

## UNIKE<sup>®</sup>PLUS benefits:

- ✓ Effective against a broad range of mycotoxins and other naturally toxicants
- ✓ Support animal health
- ✓ Increases animal performance

# How it works...

## Problem definition

### Mycotoxins cause health and performance problems

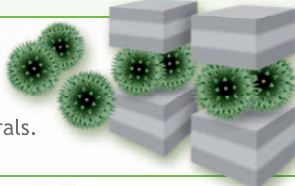
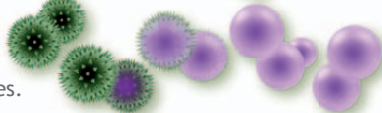

Mycotoxins are naturally occurring toxic substances produced by fungi (*Aspergillus*, *Penicillium* and *Fusarium*) in the field, during handling or storage. They can be found in feeds and cereals all over the world. Mycotoxins can negatively affect animal health and performance. According to the levels of mycotoxin contamination, mycotoxins can cause acute mycotoxicosis or at lower levels cause chronic effects. The most important mycotoxins affecting health and performance in animals are Deoxynivalenol, Zearalenone, Fumonisin, Ochratoxin A, Aflatoxins, T-2 toxin. The negative effects of mycotoxins have been widely published and are known to depend on different factors such as the type and level of toxin in the diet and/or co-contamination of mycotoxins.

## Solution

### Detoxify & Support

UNIKE<sup>®</sup>PLUS is a complete, cost effective solution to inactivate mycotoxins and minimise the negative effects of mycotoxins in poultry.

The 5 components of UNIKE<sup>®</sup>PLUS for total maximum result:

Detoxify	<p><b>1 Adsorption</b></p> <p>Adsorption of mycotoxins by modified high adsorbent minerals.</p>  <p><small>Improved Clay/Mineral Formula</small></p> <ul style="list-style-type: none"> <li>✓ increased adhesion surface</li> <li>✓ stronger static adhesion</li> <li>✓ better prevention of loss of minerals and vitamins</li> </ul>
	<p><b>2 Biotransformation</b></p> <p>Elimination of toxicity by changing of chemical structures.</p> 
Support	<p><b>3 Organ support</b></p> <p>Specific selected botanicals known to prevent organ damage.</p> 
	<p><b>4 Boosting immune response</b></p> <p>Reducing immunosuppression.</p>
	<p><b>5 Preventing cell damage</b></p> <p>Preventing oxidative stress caused by free radicals by inclusion of antioxidant substances.</p>

Analysing mycotoxins in your feed supply can be a sufficient measure to decide if counteraction is required. With the ToxiTest you can easily map your mycotoxin contamination and threat level.

More info: [www.nutriad.com/en/our+products](http://www.nutriad.com/en/our+products)

## Effect

### Test results

Summary of results of *in vivo* trials with various levels of mycotoxin co-contamination.

<ul style="list-style-type: none"> <li>Animal Health &amp; Performance</li> </ul>	<ul style="list-style-type: none"> <li>• ADFI</li> <li>• FCR</li> <li>• BW</li> <li>• ADG</li> <li>• improved immunity</li> <li>• organ health</li> </ul>	<p>Significant improvements in different situations and different levels of (co)contamination are extensively proven by <i>in vivo</i> tests.</p>
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business solutions in animal production

PROGRAMS: **Gut Support** **Mycotoxin Inactivation** **Acids & Preservation** **Palatability**

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