

unipoint® ag



Klinofeed®

multifunctional feed additive

www.klinofeed.ch



Swiss Quality



The Problem:

Mycotoxins

Mycotoxins lead to various problems in livestock husbandry which affect animal health and therefore, profitability for the breeders.

High temperatures and humidity promote the development of mycotoxins and mould during the storage of feed. Even small amounts of aflatoxin have a hepatotoxic effect. Other mycotoxins also have an influence on the skin and mucous membranes, the intestines, and fertility. The consequences of this include a poorer FCR, diarrhoea and a higher risk of infections. This is reflected in a higher mortality, higher feed consumption and additional costs for medication.

The Solution:

Klinofeed®

Klinofeed already binds moisture at production level and storage of feed, which therefore, reduces the development of mycotoxins and mould.

Klinofeed binds mycotoxins in the feed and in the animal.

Klinofeed reduces the Aw-value and increases the shelf life of the feed.

Klinofeed is 100% excreted along with the toxins in the faeces.



The Problem:

Ammonium

Ammonium is an intermediate product in animal metabolism. It is converted in the liver into non-toxic urea (mammals) or into uric acid (birds, reptiles). This transformation needs a lot of energy and can strain the liver.

High levels of ammonium can also have a negative impact on the digestive tract, which leads to bad food conversion and wet faeces.

Excessive ammonium levels in the digestive tract contain high levels of unconverted ammonia, which irritates mucous membranes and corneas. This leads to harmful infections and considerable stress to animals. In addition, there is a higher risk of bacterial infection if mucous membranes are damaged.

A combination of ammonia and wet faeces can result in footpad lesions, which are another cause of pain and stress to the animal.

The Solution:

Klinofeed®

There are several advantages to binding ammonium



It helps the food conversion rate (FCR) and therefore, better digestion



It reduces the risk of footpad lesions



It helps minimise harmful respiratory problems and eye irritations that cause stress to the animal

References are available on request



The advantages of **Klinofeed®** over other products

- 1 Selective and irreversible binding of mycotoxins and ammonium
- 2 Compared to clay minerals e.g. bentonite, Klinofeed does not absorb vitamins and other nutrients
- 3 Crystalline and stable structure, pores of 4 Å diameter
- 4 Reduction of ammonia accumulation in excrement
- 5 Lowest heavy metal content
- 6 Improves the flowability of feed.
- 7 Has a pellet-binding effect
- 8 EU registered (1g568) and GMP+ certificated

Application of **Klinofeed®**

- ☑ **Klinofeed** is recommended in all types of animal feed: poultry, pigs, ruminants and aquaculture.
- ☑ **Klinofeed** is multi-functional and is an asset to feed with low contamination levels.
- ☑ **Klinofeed** does not bind valuable nutrients such as vitamins, trace elements, and amino acids.
- ☑ **Klinofeed** does not interfere with other ingredients in the feed.
- ☑ **Klinofeed** does not absorb pharmaceutical products.
- ☑ **Klinofeed** may also be added in higher dosages, without harmful effects.

