

Solid Animal Feed Additive

■ **DESCRIPTION**

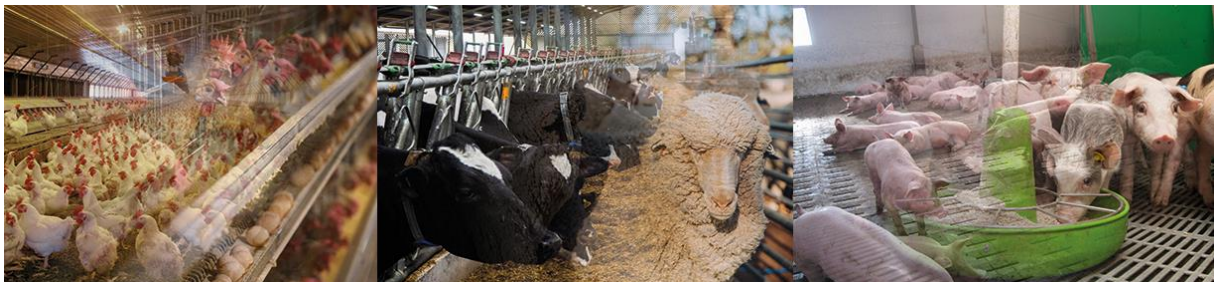
MicroAktiv®-ZECAMAG is a mineral mixture of natural clinoptilolite and calcium and magnesium carbonates. It is used as animal feed additive in cattle, sheep, pig and poultry breeding. **MicroAktiv®-ZECAMAG** is ecologically certified.

■ **APPLICATIONS**

MicroAktiv®-ZECAMAG is used as animal feed for pigs and cattle. It can be used at pig breeding and fattening farms, at dairy farms and also beef cow farms.

■ **BENEFITS**

- It is a consistent source of minerals, especially calcium and magnesium.
- Substantially reduces the rate of morbidity and mortality in youth.
- Eliminates diarrhea, milk fever in dairy cows (parturition paresis).
- Fights rumen acidosis, clostridia (botulinum toxin).
- Fights germs from the fam. streptococci/staphylococci.
- Fights other toxins and inflammations.
- The product stimulates the immune system and improves the general health of animals.
- Increases the consistency of feces, reducing quasi-liquid feces.



It is a supplement from the category of ECOLOGICAL technological additives!

100% natural!

Contains natural clinoptilolite and calcium and magnesium carbonates.

Animal	Benefit
Pigs	<ul style="list-style-type: none"> » Increasing feed efficiency up to 6% - 11%; » Weight gain up to 4% - 18%; » Reduction of mortality by up to 5%; » In fattening pigs, the average daily gain increases up to 17.5%; » The weight of 100 kg is reduced by up to 10 days.
Poultry	<ul style="list-style-type: none"> » Increases in growth up to 5% - 9%; » Reduction of mortality by approx. 5%; » Increasing the effectiveness of feed by over 9%; » Optimizing the digestion process and improving food assimilation; <p>In birds from egg-laying breeds, the percentage of broken eggs is reduced from 22.8% to 4%, the eggshell becomes intensely coloured and shiny.</p>
Cattle & Sheep	<ul style="list-style-type: none"> » Increases the average growth of cattle and young bulls up to 15-26% and reduces the specific consumption up to 22% - 28%; » Removes excess ammonia from the animal's body; » Restores the acid-base balance in the body; » Increases feed conversion index, decreases dry matter consumption up to 21 - 30%; » Decreases the cost of feed by 23%, decreases the consumption of fiber by 24% and concentrates by 21%; » Decreases the number of cells infested with clostridia; » Increases milk production in cows up to 17-18%, milk fat content up to 12-22% and protein content up to 7%; » The hygienic quality indices of milk improve, the percentage of NTG and NCS in milk decreases (total number of germs and number of somatic cells), these indicators decrease by up to 20%; » The reproductive indices of cows are improved through the content of microelements useful for the animal's body; » Decreases the percentage of digestive diseases - diarrheal syndrome in cattle and young sheep by 30% » Prevents and combats rumen and metabolic acidosis in ruminants.

MODE OF ACTION IN RUMINANTS:

Today's cow is fed about 15-22% protein through its feed. However, it can only process about 10% at rumination.

What happens to the rest of the protein?

Excess protein turns into ferment with a lot of excess ammonia. This gets into the blood and thus into the liver, kidneys, udder and hooves, and causes a variety of inflammations and diseases that have to be treated expensively.

Clostridia the underestimated danger!

Clostridia enter the cow in a variety of ways, but mostly through silage or pasture. Clostridia are bacteria that multiply rapidly in silage and also contaminate with about 400-1000 spores per liter of milk. In the milk from a cow fed with the ZECAMAG additive after about 6-8 weeks there are only 25 spores per liter of milk. Cows eating silage contaminated with clostridia are at risk, and cows and calves experience severe diarrhoea. There are 7 different types of Clostridia that can be very stressful for animals!

MicroAktiv®-ZECAMAG eliminates toxins and clostridia!

Example:

1. The toxins that are absorbed by the cow from the feed with a high intake of proteins and the bacteria, favor the multiplication of toxins and the clostridia bacteria;
2. These end up in the manure and return to the cow through the grass feeding process or silage;
3. Clostridia is the source of a large number of acidosis trichophytia cells, ammonia toxins that lead to inflammation and other diseases.

■ APPLICATION PROGRAMS

MicroAktiv®-ZECAMAG is added to the animal feed. The dosages below can be used for these applications:

Animal	Dosage
Cattle/Sheep	Adult animals: 50g - 70g/day Young animals: 15g - 20g/day Nursing calves/lambs: 1 table spoon added to the milk
Pigs	2% of the daily weight of the food
Poultry	Chickens (up to 30 days): 1% Laying, meat and mixed breed birds: 2%

■ PRODUCT CHARACTERISTICS

Appearance	Granular, grey powder
Ingredients	Natural zeolites: Clinoptilolite - 87% Calcium & Magnesium carbonate CaCO ₃ - min. 12% - max. 20% MgO min. 4% CaO min. 8%
Shelf life	7 Years
Packaging	25 Kg bags (1 bag of 25 KG is enough on average for 1 year of days/head of fed cow)
Certification	<p>MicroAktiv®-ZECAMAG products based on clinoptilolite, calcium and magnesium - comply with the following EU regulations and directives that contain specific references to clinoptilolite:</p> <ul style="list-style-type: none"> » IMPLEMENTING REGULATION (EU) NO. 651/2013 OF THE COMMISSION of July 9, 2013 regarding the authorization of clinoptilolite of sedimentary origin as an additive for the feed of all animal species and amending Regulation (EC) no. 1810/2005; » REGULATION (EC) NO. 889/2008 OF THE COMMISSION of September 5, 2008 establishing the rules for the application of Regulation (EC) no. 834/2007 of the Council regarding organic production and labeling of organic products in terms of organic production, labeling and control: section Technological additives, binders, anti-caking agents and coagulants; » EC Directive 2008/4/EC of January 9, 2008 amending Directive 94/39/EC regarding the use of feed additives to reduce the risk of milk fever in dairy cows and in which EFSA concludes that the mineral clinoptilolite has the potential to reduce this disorder metabolic (parturition paresis) in the case of dairy cows. » The concentration of clinoptilolite is at least 87%, CaCO₃ 12% - 20%, MgO min. 4%, CaO min 8%, processed by specific processes especially for feeding animals and birds.

■ STORAGE & HANDLING

Storage	5° - 30° C Dry conditions
Handling	ATTENTION
	The product itself is harmless. However avoid inhaling dust as this can cause respiratory distress.

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