AgroMag
By Brucite+

Recommendations

AgroMag® feed additive

Description and application

High demand of farm animals for magnesium is observed during the period of intensive growth, unfavorable seasons and during the period of high physical activity. During these periods, the reserves of magnesium in the body of animals have to be maintained.

AgroMag® is a ground brucite mineral with the highest magnesium content compared to other minerals and is therefore widely used as a source of magnesium in the production of feed and premixes for cattle, pigs and laying hens.

Recovery of magnesium in cattle normalizes and increases milk production and significantly reduces the risk of pasture tetany. In the field of pig farming, AgroMag® increases the average daily gain in weight of young animals, reduces feed costs and improves the general physiological condition of animals. The use of the optimal dosage of magnesium supplements in diets increases the average daily growth of chickens and allows one to increase the egg productivity of laying hens.

If necessary, AgroMag® can be used in feeding of other types of farm animals.

How does AgroMag® work?

Being a component of the feed, AgroMag® gradually dissolves in the stomach juice releasing magnesium ions, which are then easily absorbed through the wall of the gastrointestinal tract and are absorbed by the animal throughout the entire digestion cycle.

Application

AgroMag® product can be used in several ways:

- Introduction to the composition of premixes by dosing into a mixer with other components in the concentration necessary for the particular brand of premix produced.
- Introduction to feed by farmers in the concentration required for a particular type of farm animal.

Dosage recommendations are given in table.

Dosage recommendations for AgroMag®

Animal type	Dosage of AgroMag®	Expected result in efficiency
Young pigs 2–4 months	4 grams per head	Increase in meat production by 6,8%
Sows	12 grams per head	Increase in digestibility: Protein by 3,8%, Cellulose by 2,3%, Raw fat by 9%
Dairy cows	60 grams per head	Increase in milk production 10–15%
Hens	0.5 grams per head	Increase in eggs productivity by 4,5%

Application

Bioavailability of Magnesium

According to the results** of the research on dairy cows, the bioavailability of magnesium in the AgroMag® product is not lower than that in the best brands of feed magnesium oxides and is 53.1 % versus 50.5 % for the oxide with medium particle size of 50 microns, which is 1.47–1.57 times higher than that from regular feed ration.

Buffer capacity

Buffer capacity is the ability of a substance to neutralize acid in the digestive system of an animal.

The problem of buffer capacity is relevant when growing mainly pigs, because in young animals, as a rule, stomach juice of low or insufficient acidity is produced, and if the feed effectively neutralizes the acidity of the digestive environment, a number of intestinal diseases can occur.

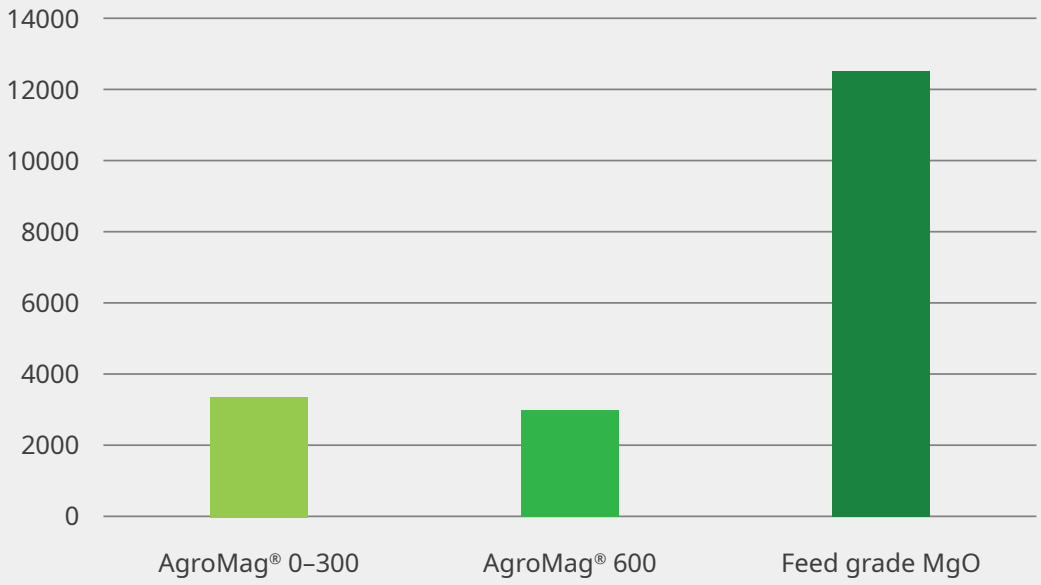
Therefore, the lower the buffer capacity, the better — means that additive less reduces the already low acidity of the stomach juice.

Application

The AgroMag® products have an optimal buffer capacity, which, on average, is three times lower than that of feed magnesium oxide*, and at the same time, provide higher bioavailability of magnesium**.

** according to research of RMCC LLC*
*** according to the research of Russian Animal Institute*

Buffer capacity of AgroMag® products in comparison with feed magnesium oxide in mEq HCl / kg

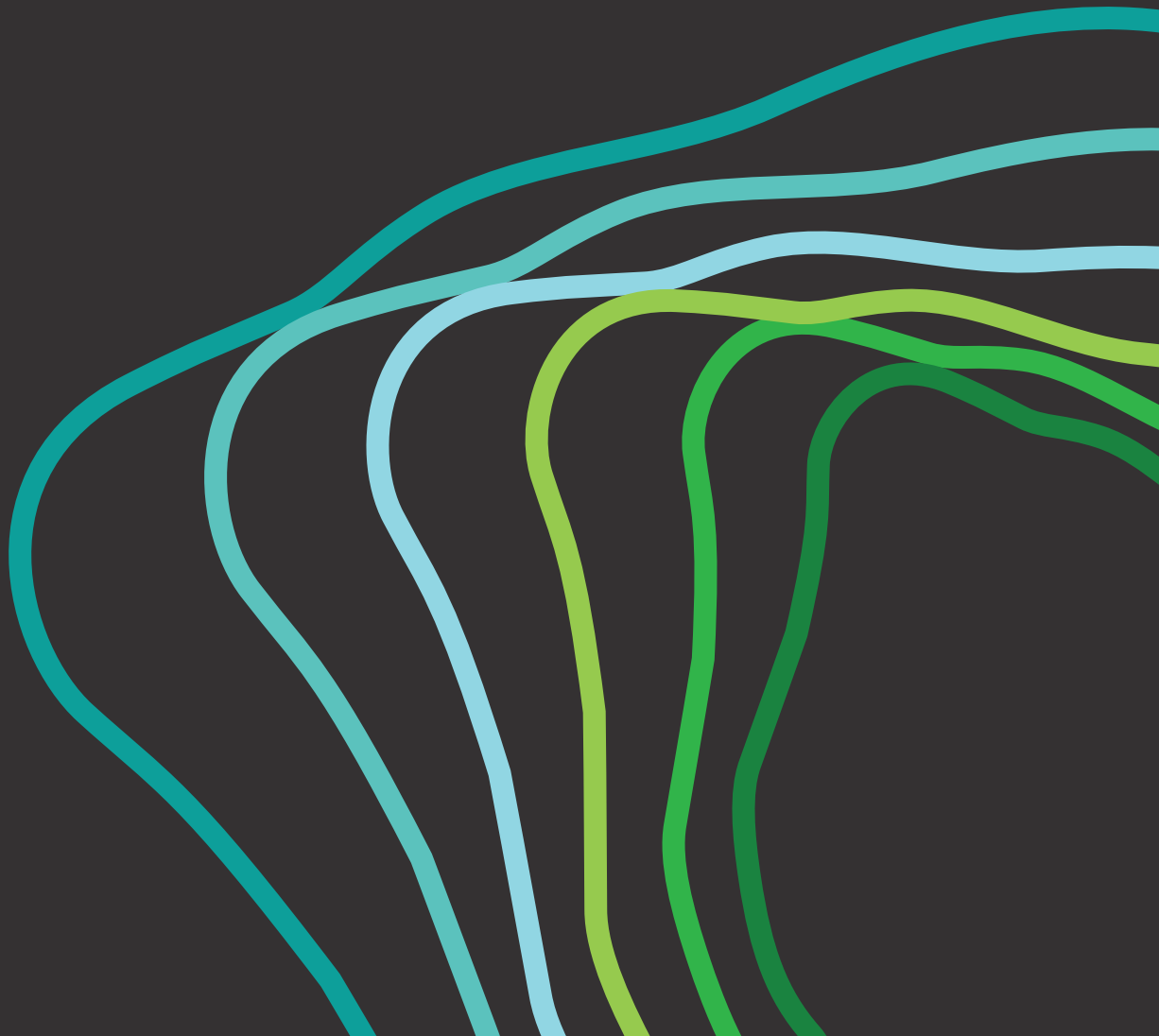


AgroMag® advantages

- High bioavailability of magnesium.
- Low buffer capacity compared to magnesium oxide.
- High proven effectiveness when used in pig breeding, cattle and laying hens.
- Minimizes the risk of cattle pasture tetany.
- Reduces feed costs.

By choosing AgroMag® products you ensure best technical support for application of product and receive a possibility to develop a custom solution with individual properties.

Please contact us via request form.



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