

The solution is: MaXx Energy

MaXx Energy supports and improves rumen stability through the feeding of microbes, which results in higher forage intake, improved digestibility, better energy- and vitamin supply, detoxication and stronger immune system.

MaXx Energy

**MORE ECONOMICAL PRODUCTION
LONGER USEFUL LIFE
BETTER FERTILITY
HEALTHIER STOCK
BETTER FORAGE UTILIZATION
BETTER ENERGY AND RUMEN PH BALANCE**

When to use MaXx Energy?

In the most critical periods, when **MaXx Energy** is especially recommended:

- Last two weeks of the dry period
- 100 days after calving (then change to MaXx Original to maintain healthy micro flora)
- Two weeks before insemination (for better performance)
- Six weeks after conception (for a safe embedding)
(Third period of lactation, if the condition is not as required)
- For calves not recommended before the 12th week





MaXx Energy

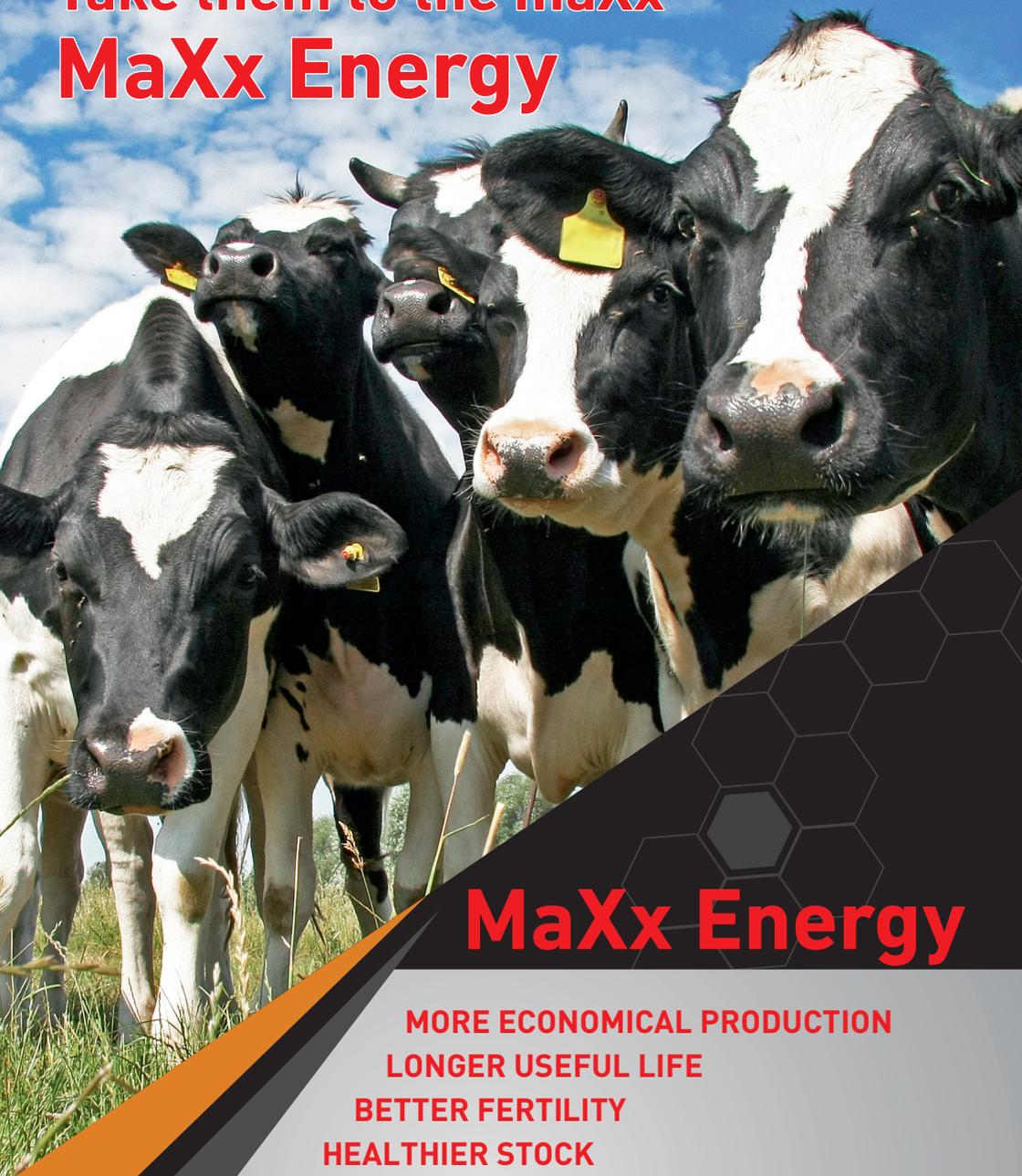
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Take them to the maXx
MaXx Energy



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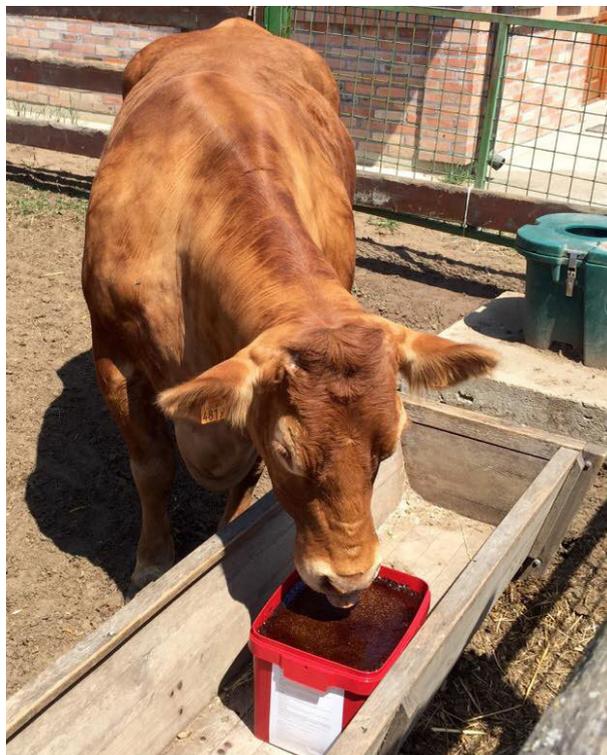
Take them to the maXx: MaXx Energy



- Less metabolic problems
- Better performance from pasture and forage
- Better health
- Better milk yield
- Better fertility
- More economical production

Maximum forage utilization

For better forage utilization in the rumen there must be a sufficient number of microorganisms, which is only possible with a balanced rumen pH.



Common problems on a farm with dairy and beef cattle

- Energy balance: extraordinary weight loss (ketosis), body condition, overweight, problems around calving, fertility problems
- Rumen pH: acidosis, stability of rumen micro flora, metabolic problems, digestion problems, bad energy supply, lameness
- Immune system: mastitis, lameness, fertility, illnesses – that all result in

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Typical intakes:

- cattle: 120-150g (max 300 g/head/day)
- sheep: max 80 g/head/day

How to use

According to many surveys, **MaXx** licks are consumed by the animals 6-8 times a day in an amount of maximum 500 g. When the animal sees the product, it starts to produce saliva. By licking **MaXx Energy**, animals can only make the top layer soft. **MaXx Energy** ensures a constant flow of energy, minerals, nitrogen, that also supports rumen microbes.

Vitamins act as anti-oxidant making the animals healthier. Offer **MaXx Energy** on a free choice basis. Place away from source of drinking water.

Controlled intake

In spite of a free-access basis, the formula of **MaXx** licks enables a controlled intake. The combination of saliva, highly concentrated sugars and energy, encourages a consistent nutritional flow to the rumen.

Fully formulated

MaXx licks are manufactured using a process that maintains high sugar, oil and fat, vitamin and energy levels. The manufacturing process dehydrates the molasses very rapidly. This results in less destruction of sugar energy, vitamins, proteins and insaturated fats, so that



more digestible energy is available to stock for a better performance.

MaXx Energy helps in case of energy deficiency, acidosis, ketosis, low fertility, problems around calving, mastitis and lameness.

The product ensures rumen microbes enough energy to multiply in form of sugar 35% (16 MJ/kg DM), oils 14% (palm and sunflower) and contains by-pass energy.

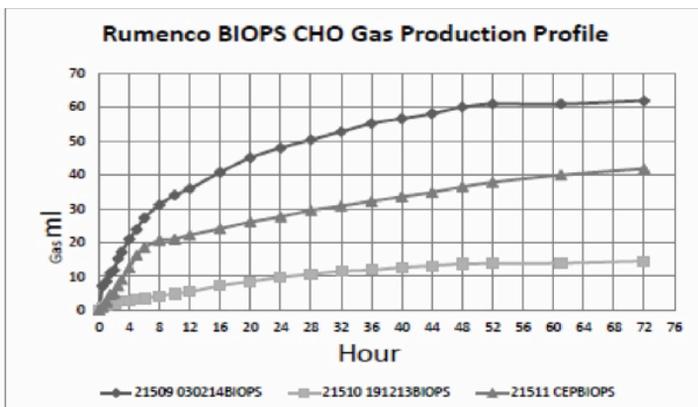
In the product there are all the vitamins (A, D, E), microelements and minerals (16% ash), that are required by the microbes and the animal.

Quick protein synthesis decreases ammoniac in the rumen and in blood, later prohibits turning it to urea. This way it prevents loss of energy and aids forage utilization.



Main advantages of our Products:

| Element | Function | Element | Function |
|---------------------------------------|---|--------------------------------|--|
| Protein 12.5% | protein production of microbes, protein supply of the animal and milk protein | Iodine 60 mg/kg | development of thyroid gland which controls metabolism |
| Oils (palm and sunflower) and fats 6% | energy, aids absorption of vitamins | Manganese 1000 mg/kg | fertility, bone development and growth rates |
| Sugars 35% | quickly fermentable energy for microbes in the negative energy balance period | Zinc 1500mg/kg | healthy immunessystem and tissue growth. Aids wound healing |
| Calcium 4% | muscle contraction, nerve impulse and milk production | VitaminA 120,000iu/kg | formation, protection and regeneration of skin, vision-immunity |
| Phosphorus 1% | closely associated with Ca, involved in energy metabolism, hence link to fertility | Vitamin D3 24,000iu/kg | absorbtion, storage and transport of calcium and phosphate |
| Selenium 10 mg/kg | anti-oxidant, activates iodine, builds muscle, supports conception | VitaminE 300iu/kg | anti-oxidant, immunity, works with selenium, newborn health and vitality |
| Cobalt (II) carbonate 10 mg/kg | required by rumen microbes for production of B12 deficiency results in unthriftness, anaemia, loss of apetite | Urea 3% Fibre 0% Ash 27% | production of microbe proteins to physiological process of microorganisms |



1. First curve is **MaXx**
2. Second curve is a competitor's product
3. Third curve is Rumevite (main energy sources are starch and protected fats)

Top curve: MaXx, which is the quickest sample to ferment and has the highest gas yield.

This means the sugars in MaXx are readily available and it contains more sugar than the other 2 samples.

Highly palatable

The very high molasses content and inclusion of vegetable oil offers excellent palatability and acceptance. Intakes are uniform without over-consumption. The animals' licking action generates saliva which moistens the product surface, releasing a controlled amount of product for consumption.

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