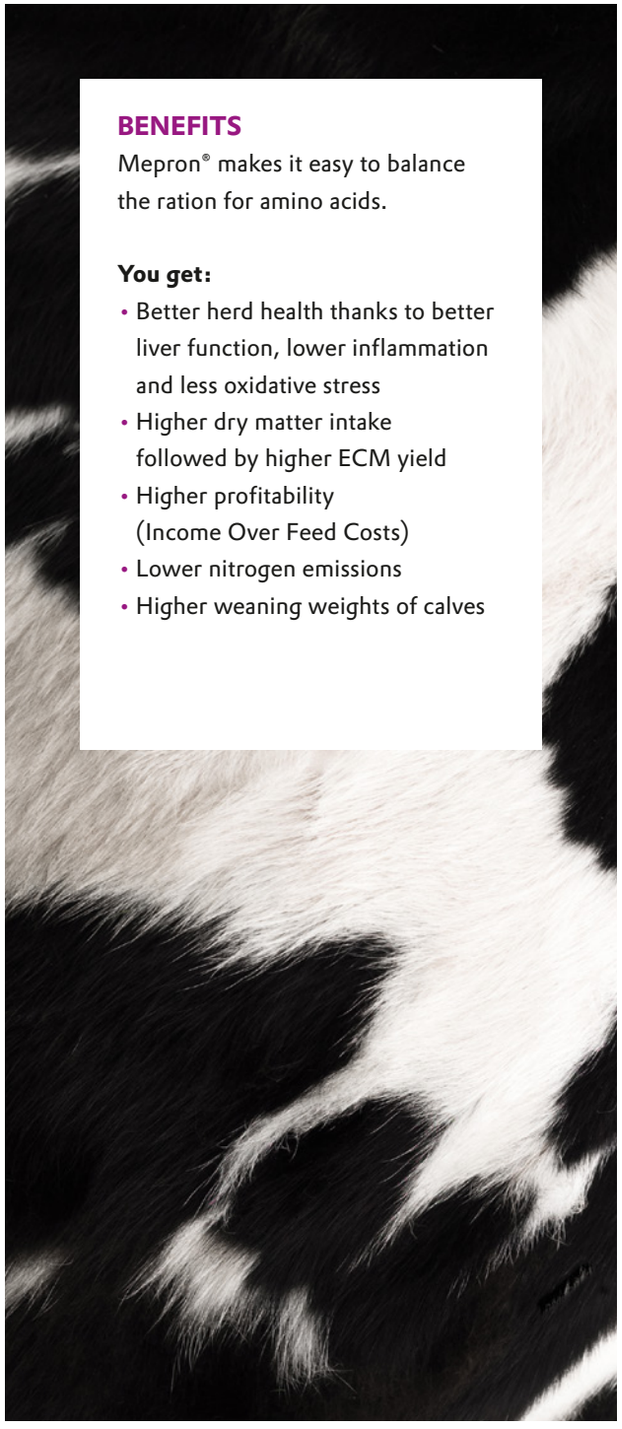


BENEFITS

Mepron® makes it easy to balance the ration for amino acids.

You get:

- Better herd health thanks to better liver function, lower inflammation and less oxidative stress
- Higher dry matter intake followed by higher ECM yield
- Higher profitability (Income Over Feed Costs)
- Lower nitrogen emissions
- Higher weaning weights of calves

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Learn more about Mepron®

EVONIK
Leading Beyond Chemistry

Mepron®

The Most Efficient Rumen Protected Methionine



EVONIK
Leading Beyond Chemistry

CHALLENGE

The transition phase is the most critical period in the production cycle of dairy cows and a challenge for the immune system. Cow's dry matter intake is lowest and non-esterified fatty acid (NEFA) levels are highest around calving resulting in a high risk of ketosis when milk production increases quickly after calving. Not surprisingly, most diseases occur during this transition phase.

During lactation, methionine is the first limiting amino acid for dairy cows and often limiting production. The unbalanced supply of amino acids negatively affects the utilization of all other amino acids what leads to metabolic stress and unnecessary nitrogen excretion.



SOLUTION

Methionine is not only an essential nutrient but also a functional amino acid. It plays an important role in the overall metabolism and is responsible for maintaining several immune functions. Mepron®, the rumen protected methionine of Evonik, delivers the essential amino acid in a highly concentrated form. Its patented coating protects methionine from microbial degradation in the rumen and ensures the absorption in the small intestine. Mepron® provides metabolizable methionine at lower cost per gram than any feed protein. Balancing the amino acid supply with Mepron® reduces metabolic stress.

WHAT'S IN IT FOR YOU

By optimizing the amino acid supply already during the transition phase, you can achieve higher milk production, improved fertility and a better health status of dairy herds. In later stages of lactation, a reduction of dietary protein while supplementing Mepron® reduces ration costs and maintains – or even improves – performance. Bottom line: Supplement rations with Mepron® and increase your profitability.

Talk to the ruminant specialists at Evonik and find out more about what Mepron® can do for you.

Effect of Mepron® supplementation (0.1 %) from 28 days prior to calving until 60 days in milk

