

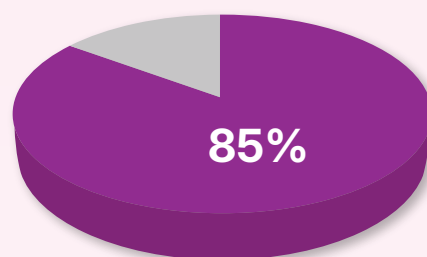


## The Most Efficient Rumen Protected Methionine



### NUTRITIONAL MATRIX

Rumen bypass	80 %
Digestibility	90 %
Crude protein (N x 6.25)	50 %
Crude fiber	3.0 %
Crude fat	1.0 %
Crude ash	2.0 %



**Composition**  
DL-Methionine - 85%



**Marketed By**  
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## I 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.

## I 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.

## Why Should you add Mepron® to the diet?

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.

## I BENEFITS

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

- ❖ 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

## DOSAGE RECOMMENDATION

Species	Mepron®
Dairy	10-25 gm/head/day
Beef	10-15 gm/head/day
Small Ruminants	3-10 gm/head/day

**Pack Size : 25kg**  
**Shelf Life: 3 Years**