



## Super Lac 10

An innovative product for dairy cows, sheep & goats

**NUEVO Super Lac 10** is an innovative product designed exclusively to:

1. Meet the increased dietary needs of dairy cows, sheep and goats during the most demanding months of the lactating period.
2. Help dairy cows, sheep and goats deal with the health challenges and the important changes of the endocrine system.

Based on ingredients of high nutritional value and appropriate for the digestive system of ruminants, **NUEVO Super Lac 10** contributes to:

- Increased feed intake thanks to natural appetite enhancers
- Increased milk production up to 6%
- Improved milk quality → increase in protein up to 4%
- Improved body condition → higher fertility rates

### Ingredients

#### **Protected Methionine**

Methionine is the first limiting aminoacid in dairy cows and sheep nutrition. Rumen-protected methionine supplementation assures maximum absorption at the small intestine and together with a balanced feeding management it contributes to increased milk production, improved milk quality (protein and fat content) and better health.

In addition, methionine is an essential amino acid for both the transition period and the higher fertility rate.

#### **Protected Lysine**

Lysine is the second limiting aminoacid for both large and small ruminants nutrition.

In combination with rumen-protected methionine supplementation, **NUEVO Super Lac-10** ensures the ideal aminoacids profile in the small intestine.

#### **Sodium bicarbonate**

Sodium bicarbonate is used in ruminant diets as buffer in the rumen.

The addition of sodium bicarbonate regulates rumen pH (normal pH=6-7) and prevents extreme changes.

### Chelated Zinc

Chelated zinc is a more bio-available form of Zn for the animal. Zinc contributes to the strengthening of the immune system, to better udder and hooves health and it has a key role in higher conception rates per insemination as well as in hair quality.

### Vitamin E

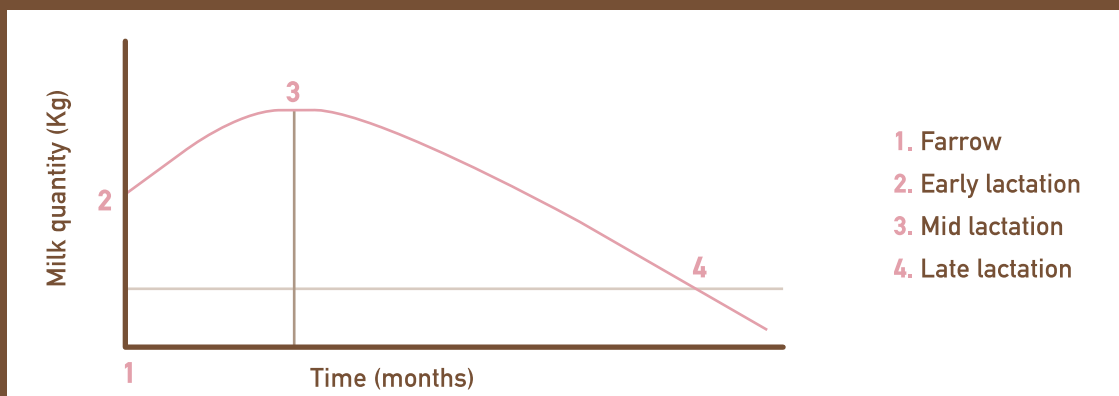
Vitamin E is a fat soluble vitamin which acts as a natural antioxidant, enhances cell protection mechanism and the immune and reproductive system, as it is a precursor of immunoglobulins.

### Natural aromatics and sweeteners

Natural aromatics and sweeteners contribute to increased dry matter intake.

### Metabolic Diseases

Right after calving, small and large ruminants become catabolic and are vulnerable to metabolic diseases that reduce milk production.



According to literature and field trials, animals with clinical ketosis may produce up to 5-7% less milk on average (for the first 60 days after calving) and up to 3% on the total milking phase, depending on the genetic potential of animals.

In parallel, ketosis will lead to a shorter lactating period from 2 to 4 weeks.

Acidosis will reduce milk production up to 2.2% and in addition will reduce milk protein and fat content. At the same time, it is associated with reproductive malfunctions, laminitis, bloating, shift and ulcer of the abomasum and reduced dry matter intake.

The inclusion of NUEVO Super Lac 10 at the total mixed ratio (TMR) of ruminants ensures the ideal aminoacids profile in the small intestine, prevents the rapid pH changes in the rumen and boosts the immune system.

### Inclusion

**Dairy cows:** 1 Kg / head / day from calving up to 90 days after calvin.g

**Dairy sheep and goats:** 100-125 gr / head / day

for the high producing lactating period.

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