



**RUMISTART™**  
**SYNBIOTIC**

**Identification**  
A complex product to improve processes of ruminal digestion, increase productivity and livability of agricultural animals. It stimulates ruminal fermentation process of calves.

**Main characteristics**

Components	Action
Mannan-oligosaccharides (MOS)	Adsorption of pathogenic microflora
Ruminococcus albus	Colonization of rumen with highly productive microflora
Bacillus subtilis	Rehabilitation of intestinal microflora
Lactobacillus acidophilus	Rehabilitation of rumen beneficial microflora
Pectin lyase	Activation of ruminal fermentation, enhancing of herbage and bulk feed digestibility
Amylase	Activation of ruminal fermentation, enhancing of herbage and bulk feed digestibility, acceleration of concentrate starch breakage, enhancing of fiber digestibility
β-glucanase	Enhancing of fiber digestibility
Cellulose	Enhancing of fiber digestibility
Essential free amino acids	Stimulation of ruminal microflora development
Highly available protein	Optimization of protein in feed

**Biological properties:**  
Enzymes amylase, pectin lyase, cellulase stimulate processes of ruminal fermentation and digestion, activate nutrient intake. The product stimulates animal immune system, reduces occurrence of acidosis. Mannan-oligosaccharides absorb pathogenic microflora. Cultures Ruminococcus albus and Lacobacillus acidophilus rehabilitate ruminal beneficial microflora. Culture Bacillus subtilis rehabilitate intestinal microflora.

- Advantages of Rumistart:**
- ◆ stabilizes ruminal beneficial microflora
  - ◆ reduces occurrence of acidosis at elevated level of concentrates
  - ◆ helps to initiate enzymatic processes in calves
  - ◆ helps to eliminate rapid changes of productivity
  - ◆ stimulates animal immune system
  - ◆ helps to increase productivity, while lowering feed cost
  - ◆ allows to unlock animal's genetic potential

**Consumption rates of Rumistart**

Animal	Consumption rate, gr per capita/day
Calves till 1 moth	10
Calves 1-6 months	20
Feeder calves, lactation cows	40

**Package:** 20 kg bags  
**Warranted term of storage:** 6 months at temperature from -30°C to +30°C