

GALOZYME™ BOVINE

INTESTINAL FLORA BIO-REGULATOR TO HELP ENHANCE THE MICROFLORA OF CATTLE



Galozyme™ Bovine is a new probiotic that when administered is effective in the bio-regulation of cattle's ruminal and intestinal microbial flora. Its active principle is TURVAL B (an exclusive and balanced selected lactic yeast suited for the specific type of animal, a wide range of cellular metabolites, milk whey, and hydrolyzed protein) integrated and balanced by unique and specific naturally occurring vitamin sources. This unique additive favours and synergistically enhances the product's beneficial effects on cattle and milch cows.

The positive effects of active lactic yeasts on the bio-regulation and modulation of the intestinal bacterial flora in cattle and especially in milch cows for fattening has been well known for some time now. Unfortunately complex production and preservation problems have hindered and limited its use.

After years of research and tests, TURVAL Laboratories have succeeded in creating a process of biotechnological production suited for the production of these lactic yeasts.

Galozyme™ Bovine is a balanced mix capable of:

- a) greatly enhancing the probiotic properties in the intestines and rumens.
- b) preserving and maintaining unaltered the alimentary characteristics of the unique thermo-stabilized lactic yeasts without refrigeration.

Now, thanks to the **Galozyme™ Bovine** integration feed, these yeasts are finally made available for cattle breeders.

FUNCTIONING PRINCIPLES

The functioning of **Galozyme™ Bovine** differentiates it greatly from the usual beer yeasts and/or lactic ferments, as its active agents:

- spread into the rumen, the abomasum and in large areas of the intestine;
- have a great capacity to multiply;
- favour the multiplication of pre-existent protozoal flora;
- increase the effectiveness of the attack of ruminal bacteria on food;
- contribute to maintain the stability of ruminal pH.

At the beginning of the weaning phase, they play an important role in the intestine of young calves, especially with regard to those processes involving the digestion of lactose (thanks to the action of the naturally occurring **beta-galactosidase** enzyme). The biologically active presence of the lactic yeast and the consequent production of lactic acid in the intestine enable newborn and young calves to strengthen their immune system and to create favourable conditions for the implantation and the development of lactic ferments. They metabolize the sugars and especially the lactose by producing **lactic acid**, which leads to a reduction in the intestine's pH, thus inhibiting the development of enteric coliforms (direct action) and favouring the development of lactic ferments and of those forms of bacterial microflora defined as "useful" (indirect action). They perform a **modulating** function, which favours an improved microbial balance.

BENEFITS AND APPLICATIONS

Galozyme™ Bovine is a new probiotic for diet integration. It is very effective as a bio-regulator and modulator of the ruminal and intestinal bacterial flora in cattle.

Its main effects can be summarized as follows:

- It favours an increase in the ingestion of dry matter.
- It helps prevent the main forms of metabolic disorders such as alkalosis, ketosis and acidosis.
- It helps control and reduce the quantity of lactic acid produced in the rumen.
- It helps optimize the bio-regulation and modulation processes of intestinal bacterial flora.
- It can help stimulate optimal digestive metabolism.
- It favours the breaking down and the absorption of nutrients.
- The administration of Galozyme™ Bovine is recommended from the first days after birth and during the weaning phase, as it can help improve and strengthen the digestive system and therefore the "overall health" of the young animal. This can lead to improved yield and conversion levels.

INGREDIENTS

Galozyme™ Bovine is composed of a balanced mix of natural products, such as: distillers, dried cereal stillage, powder whey, TURVAL B® (selected active lactic yeast suited for the specific type of animal, fermentation substrata, cellular metabolites, protein hydrolysates, lactose), wheat bran, dosed and balanced vitamin additives (Vitamin E).

PRODUCT USE AND ADMINISTRATION

Milch cows: 10-20 gr. per head per day

Cattle for fattening: 10-20 gr. per head per day

Calves: 10-15 gr. per head per day.

For further information contact Techna Vet Industries Inc.

STORE IN A COOL DRY PLACE

All information has been based on trial tests in Europe with Equivalent product Turval Cattle.

All documentation written by Turval Laboratories SRL Modified for Techna Vet Industries for Galozyme™Bovine

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