



Bioluence®

Bioluence Products in Livestock Industry



**Livestock
Industry**



**Engineering Nature for a
Brighter Future**



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Bioluence®

Engineering Nature for a Brighter Future

Bonda Faravar Company, operating under the brand name Bioluence, stands as the sole enzyme manufacturer in Iran and the largest production facility of its kind in the Middle East. Additionally, Bioluence is the leading probiotics manufacturer in the region, boasting an expansive production area of 8,000 square meters. This space is divided into two dedicated units for enzyme and probiotics production, complemented by 1,700 square meters of state-of-the-art clean rooms located in Safadasht Industrial Town.

Supported by a dedicated research and development team, strategic collaborations with experienced domestic and international consultants, and a workforce of over 300 highly skilled professionals across various disciplines, Bioluence has successfully delivered high-quality enzyme and probiotics products to meet the diverse needs of multiple industries; including but not limited to: detergents, food and dairy, meat processing, flour and bakery, feed for livestock and poultry, alcohol and starch production, as well as leather and textiles.



GUTROCARE Cow

Ruminants GUTROCARE

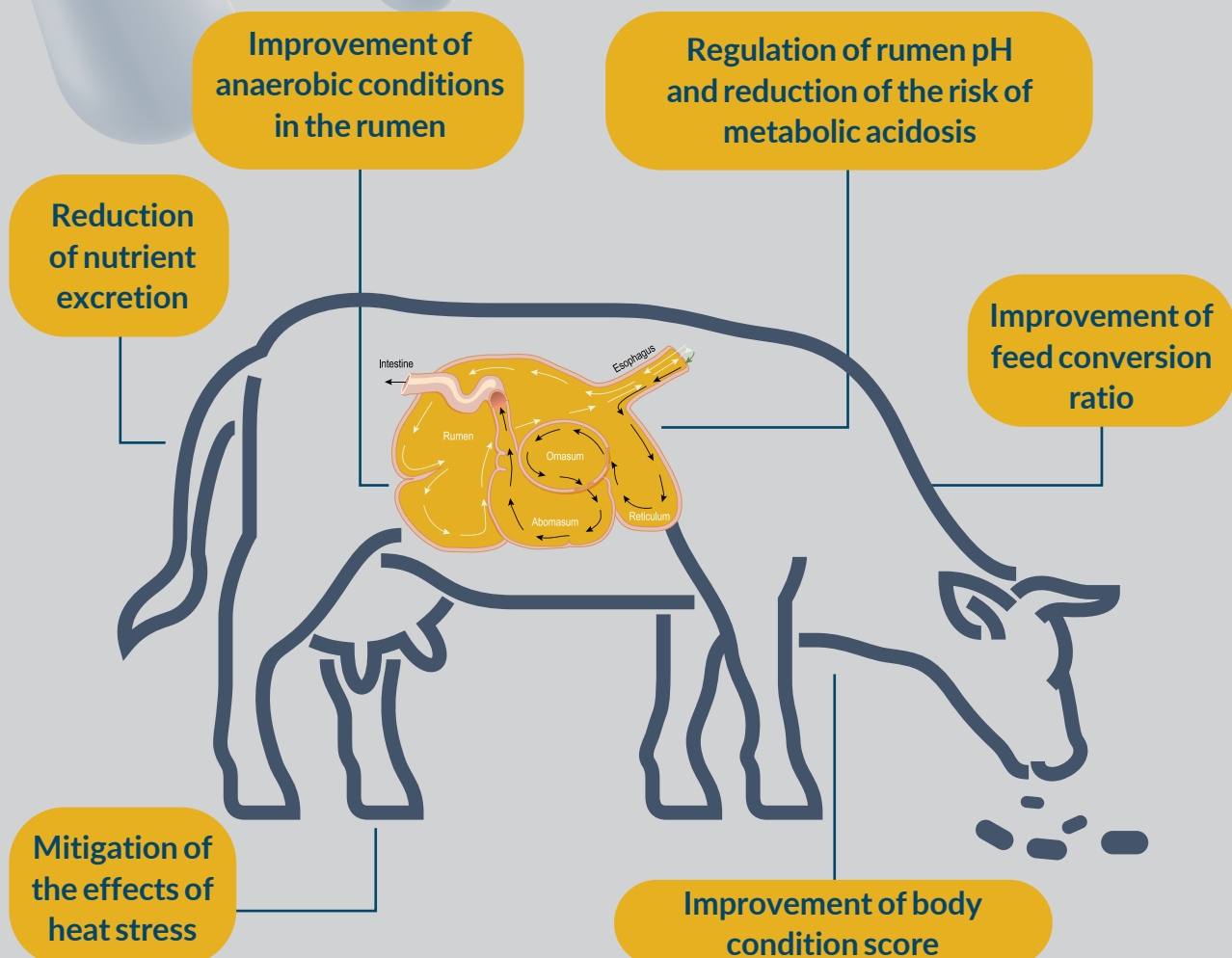
Special Yeast for Dairy Livestock

Probiotic is not an additive, it is a necessity.

| Product Introduction

GUTROCARE Cow Probiotic contains a proprietary strain of *Saccharomyces cerevisiae* yeast for dairy livestock. This product helps to strengthen the microbial population inside the rumen and aids in the digestion of fiber and starch. As a result, it increases the energy intake of the livestock, regulates the rumen pH, controls subclinical acidosis, and thus reduces inflammation in high-producing herds, ultimately improving production.

| Indications



GUTRO CARE Cow

Ruminants GUTRO CARE

Dosage and Method of Use

1.5g Per head of livestock per day	2g Per head of livestock per day	2g Per head of livestock per day	5g Per head of livestock per day	10g Per head of livestock per day
				
Lamb	Sheep	Goat	Beef cattle	Dairy cattle

Active Ingredients

Saccharomyces cerevisiae with a minimum count 1×10^{12} CFU/Kg

Product Form

Powder

Packaging

20 kg three-layer aluminum foil pouch

Shelf Life

24 months after production



GUTROCARE Calf

Milk-fed Ruminants GUTROCARE

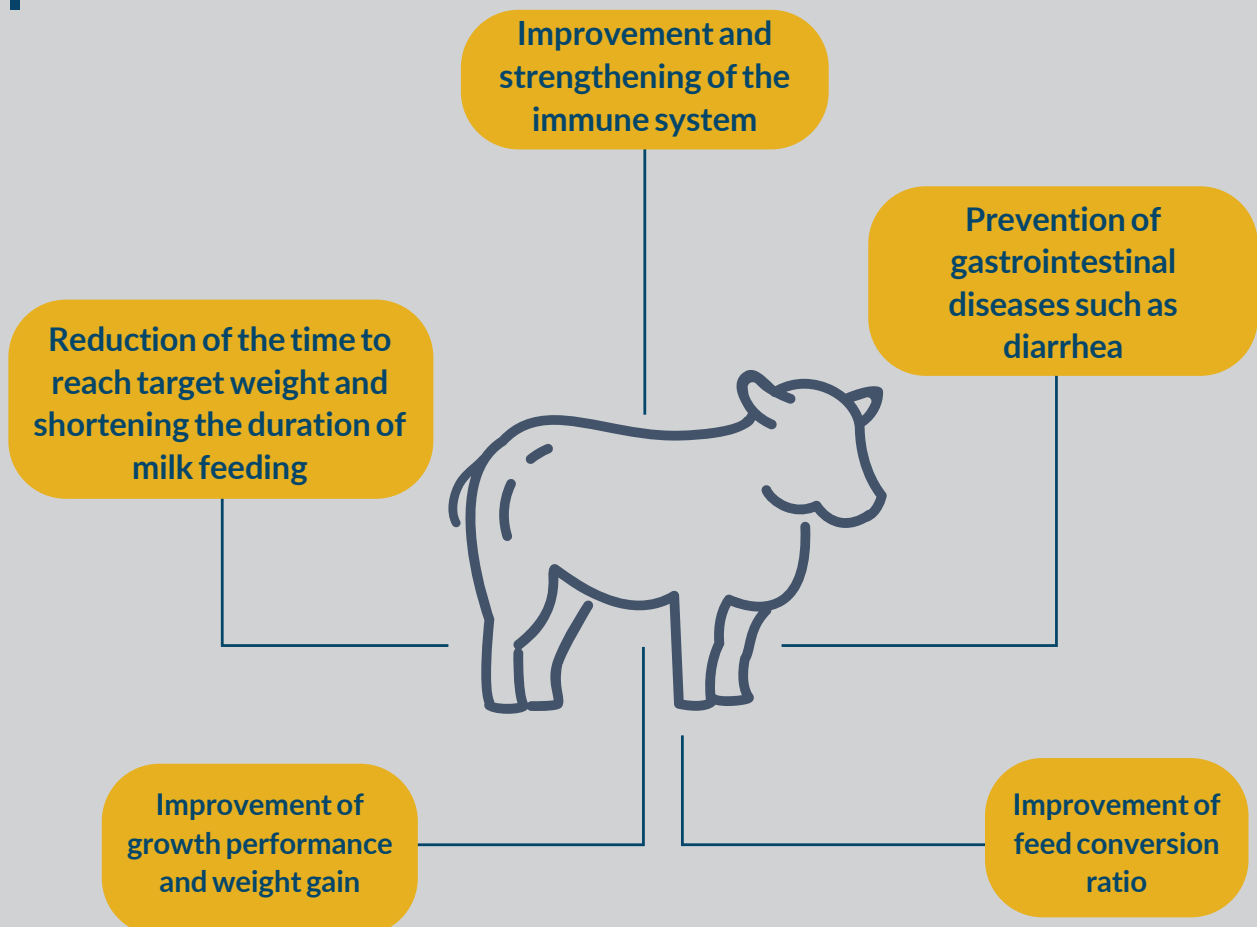
Probiotic for milk-fed livestock

Probiotic is not an additive, it is a necessity.

| Product Introduction

GUTROCARE Calf Probiotic, containing 8 bacterial strains and *Saccharomyces cerevisiae* yeast, is specially designed for milk-fed livestock. This product strengthens the microbiota of the digestive system and prevents pathogen adhesion to the intestinal wall, helping to prevent and reduce diarrhea, a common issue in milk-fed livestock. Ultimately, it enhances the immune system, improves calf health, and boosts the economic performance of the herd.

| Indications



GUTROCARE Calf

Milk-fed Ruminants GUTROCARE

Active ingredients

Bacterial strain	Minimum effective count
<i>Enterococcus faecium</i> , <i>Lactobacillus plantarum</i> , <i>Lactobacillus bulgaricus</i> , <i>Lactobacillus acidophilus</i> , <i>Lactobacillus rhamnosus</i> , <i>Bifidobacterium bifidum</i> , <i>Streptococcus thermophilus</i> , and <i>Lactobacillus casei</i>	6×10^{11} CFU/kg
<i>Saccharomyces cerevisiae</i> yeast	1×10^{11} CFU/kg

Dosage and usage method



3 g
Per head of livestock per day

Milk-fed livestock
Diarrhea prevention

Calf

This product should be used as a solution in milk.



5 g
Per head of livestock per day

Milk-fed livestock
During diarrhea

Calf



Product Form

Powder

Packaging

1 kg three-layer
aluminum foil pouch

Shelf Life

24 months after
production

GUTROZYME Silage

Inoculant for silage production

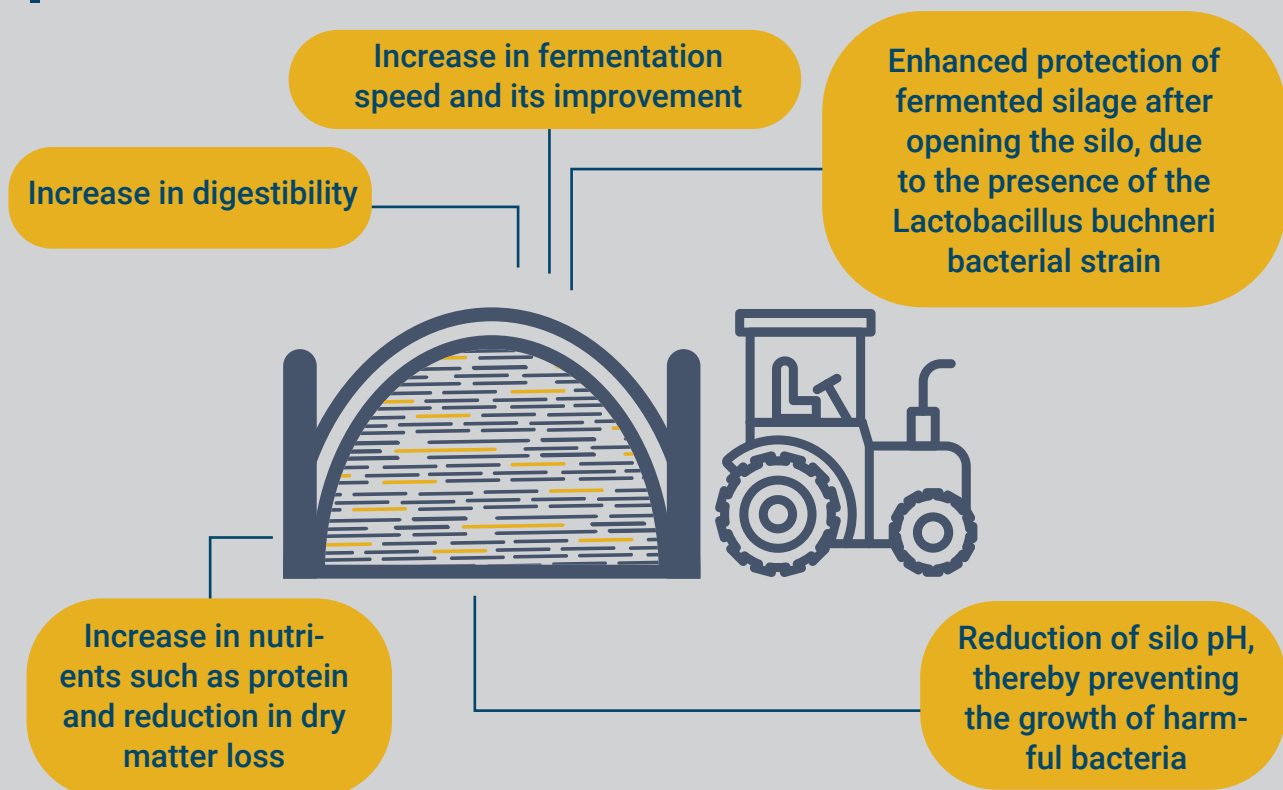
Product Introduction

The production of high-quality silage has long been of great importance in the nutrition of ruminants and the economy of dairy farming operations. However, producing high quality silage is associated with several challenges, including dry matter loss, spoilage, mold growth, reduction of beneficial bacteria populations, and various management difficulties.

Gatrozyme Silage, with its combination of beneficial probiotics and fibrolytic enzymes, helps improve fermentation and silage preservation. By regulating pH, moisture, and accelerating the fermentation process, it not only preserves valuable nutritional components of the silage, such as fiber and starch, but also enhances its palatability and digestibility.

Due to its collection of fiber-degrading enzymes, Gatrozyme Silage can be used in the preparation of silage from various forages, including maize, barley straw, and others, even in conditions of low dry matter availability (fermentable starch), ultimately improving the quality of the final product

Benefits of Use



GUTROZYME Silage

Active ingredients

Bacterial strain	Minimum effective count
Enterococcus faecium	1×10 ¹¹ CFU/kg
Lactobacillus plantarum	
Pediococcus acidilactici	
Lactobacillus buchneri	
Enzymatic component	Activity
Cellulase	1,000,000 (U/Kg)
Xylanase	5,000,000 (U/Kg)
Alpha Amylase	6,000,000 (U/Kg)

Product Form

Powder

Packaging

200g three-layer
aluminum foil pouch

Shelf Life

24 months after
production

Usage Recommendation

For every 40 tons of silage, mix one 200gram sachet of the product in 50 liters of chlorine-free water and spray it onto the silage.

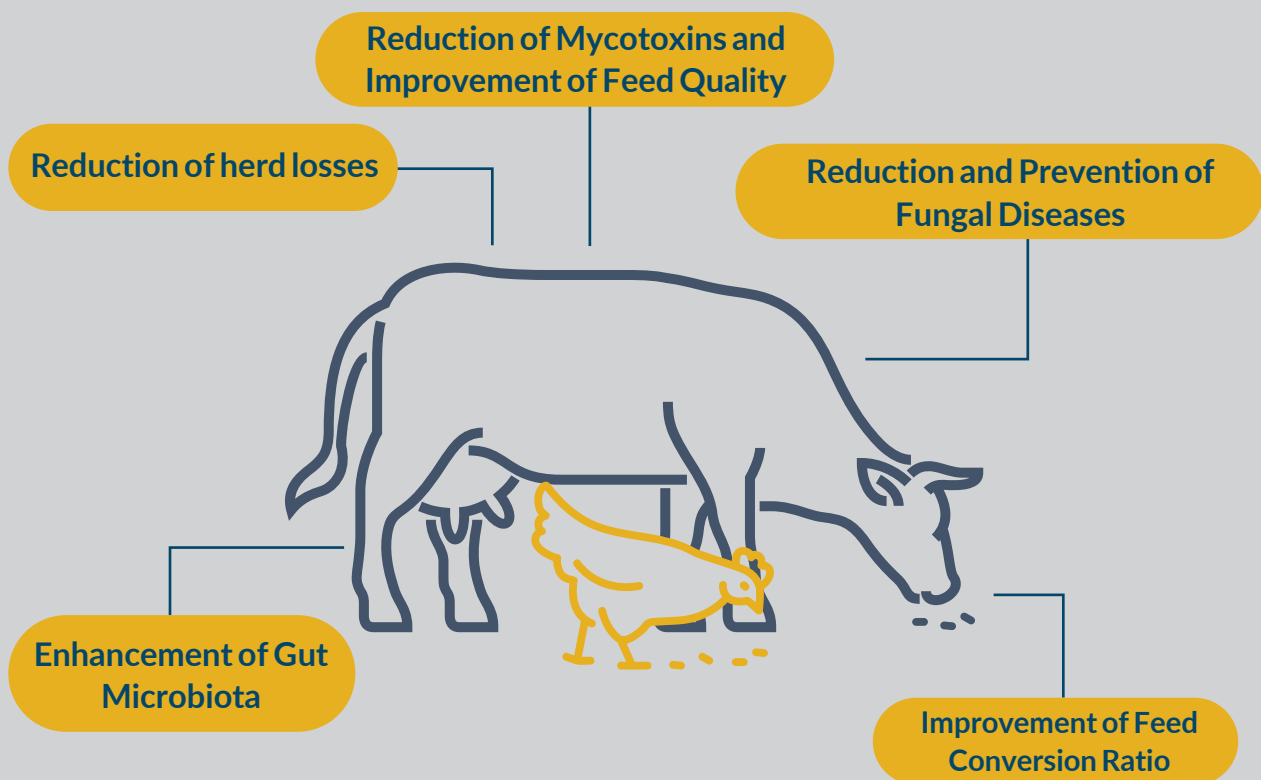
Toxin Binder¹

Fungal toxin absorber

Product Introduction

Bioluence's Toxin Binder, containing oligosaccharides, yeast cell wall, activated charcoal, and other mycotoxin-absorbing materials, can bind to mycotoxins in feed and render them inaccessible. This product can reduce the effects of mycotoxins in feed under conditions of quality degradation and contamination, and also prevent the side effects of fungal contamination and diseases caused by them in livestock and poultry.

Indications



Active Ingredients

Mannan oligosaccharides, beta-glucans, bentonite calcium, sodium bentonite, activated charcoal, and probiotics

Dosage and Method of Use

As per the specialists' recommendation and the type of animal, 500 to 1500 grams per ton of feed.

Packaging

20 kg three-layer aluminum foil pouch

Shelf Life

24 months after production

Probiotic Single Strain Table

Raw Material Names	Physical Form	Packaging
<i>Lactobacillus rhamnosus</i>	Powder	1 kg pouch
<i>Lactobacillus reuteri</i>		
<i>Lactobacillus plantarum</i>		
<i>Lactobacillus paracasei</i>		
<i>Lactobacillus casei</i>		
<i>Lactobacillus brevis</i>		
<i>Lactobacillus salivarius</i>		
<i>Lactobacillus acidophilus</i>		
<i>Lactobacillus fermentum</i>		
<i>Lactobacillus buchneri</i>		
<i>Lactobacillus bulgaricus</i>		
<i>Lactobacillus helveticus</i>		
<i>Streptococcus salivarius</i>		
<i>Streptococcus thermophilus</i>		
<i>Enterococcus faecium</i>		
<i>Pediococcus acidilactici</i>		
<i>Bifidobacterium lactis</i>		
<i>Bifidobacterium longum</i>		
<i>Bifidobacterium bifidum</i>		



Bioluce



Livestock Industry

www.bioluce.com

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