

# BUFFERMIN<sup>®</sup> CHROMIUM YEAST

## Chromium Enriched Yeast

### Organic Chromium

**Buffermin Chromium Yeast** is a product resulting from the fermentation of yeast (*Saccharomyces cerevisiae*) with salts of chromium. It is a nutritional animal feed supplement formulated to prevent and correct chromium deficiency in animals.

**Buffermin Chromium Yeast** contains a natural form of organic chromium extracted from yeast (*Saccharomyces cerevisiae*) which plays a role in the metabolism of carbohydrates, fats, and proteins.

**Buffermin Chromium Yeast** can alleviate the negative effects of stress and improve the performance and health of livestock, leading to better farm profitability.



### Product Profile:

Form: Powder

Function: Corrects and prevents mineral deficiencies

Shelf life: 3 years

International use only



**Made in  
USA**

### Advantages:

- High bioavailability
- Organic chromium
- Beneficial yeast content
- Uniform blending
- Stable in feed

### Key Features:

- Corrects and prevents chromium deficiency
- High prebiotic levels in yeast extract
- Improves livestock performance



## Chromium's Role in Animal Nutrition

Chromium nutrition is an important factor in the livestock diet. When you have a chromium deficiency, glucose intolerance is usually one of the first conditions that occurs. This is followed by abnormal lipid metabolism, nerve disorders, impaired growth, decreased longevity and reproduction, and depressed immune system. Furthermore, chromium deficiency can lead to other conditions such as increased mortality, high intestinal ammonia levels, obesity, decreased milk and egg production, diabetes, and unhealthy offspring.

Chromium's importance is because of its role in animal physiology and its interaction with the Glucose Tolerance Factor (GTF). GTF is synthesized within the body from the absorbed dietary chromium and research shows that it is significant in blood sugar metabolism, improving insulin effectiveness, enzyme activity (especially in production of energy, synthesis of fatty acids and cholesterol), protein transport and

synthesis, and more. GTF stimulates insulin activity directly by binding to both insulin itself and specific insulin receptors, thus increasing glucose entry into the cell inside an animal's body.

Insufficient dietary chromium is a problem in animals. Organic chromium is an excellent source of biologically active chromium; which has significantly higher levels of absorption efficiency, metabolic responses, and insulin-potentiating biological activity than inorganic chromium. Organic chromium effectively supports healthy glucose tolerance and helps maintain normal blood sugar levels, and requires much lower levels of insulin to elicit similar biological responses. Moreover, intestinal ammonia levels are reduced by more than 50%; which provide better living environment to animals as well as humans.

Look to **Buffermin Chromium Yeast** for your dietary chromium.

