

NUTRA-AID[®] BIO

Multiple Direct-Fed Microbials

Maximize Feed Power

Nutra-Aid Bio is a broad-spectrum feed additive containing several important natural growth promoters for use in livestock production such as poultry, cattle, and swine. It contains a yeast culture with probiotics, digestive feed enzymes and cell wall components containing oligosaccharides as immunostimulants, all of which are important natural growth promoters for modern livestock and poultry production.

The advantages of having several promoters over traditional antibiotic growth promoters are:

- No withdrawal time
- No residual effect
- No causes of microbial mutation

Nutra-Aid Bio contains a high-strength, live yeast culture, and three strains of high-fermenting and high-reproductive capacity microbes. The yeast culture, *Saccharomyces cerevisiae*, is fermented using a unique process on a nutrient rich medium. The yeast culture is gently harvested and dried to retain their viability together with the fermented yeast metabolites. Unlike other products that do not have live yeast cells and culture medium, **Nutra-Aid Bio** includes the culture medium for the live yeast cells to ensure active growth and multiplication once in the animal digestive tract.

Product Profile:

Form: Powder

Function: Improves digestion and promotes a healthy gut environment

Shelf life: 2 years



Made in
USA

Advantages:

- Multiple direct-fed microbials coupled with yeast extract
- Easily added into current diet
- All-natural ingredients
- No withdrawal time
- High stability

Key Features:

- Increases feed efficacy
- Maintains gut health
- Natural growth promoter
- Stimulates immune systems
- Reduces mortality, especially effective for young animals

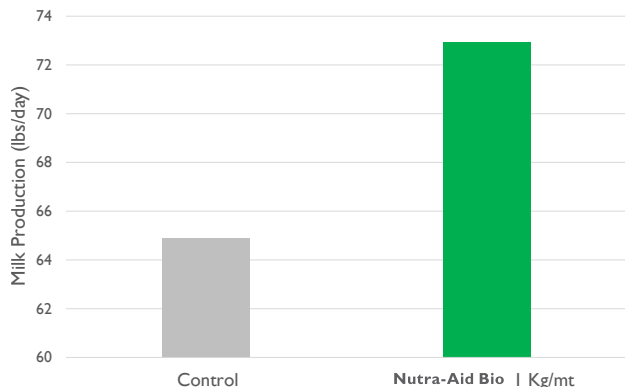


The Benefits of Nutra-Aid Bio

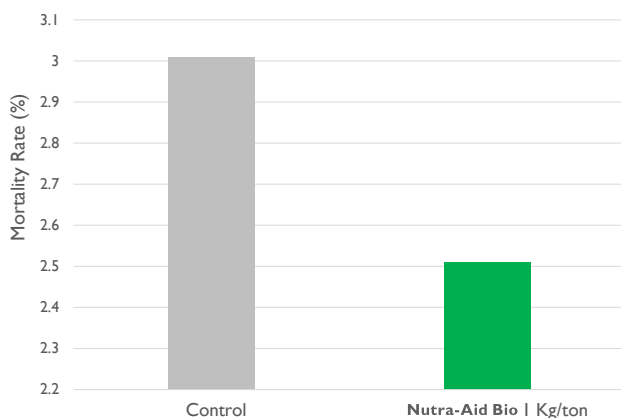
Nutra-Aid Bio has many benefits as a broad-spectrum feed additive. It contains multiple digestive enzymes (amylase, protease, cellulase, lipase, beta-glucanase, and phytase) to enhance digestion by breaking down carbohydrates, proteins, and fats. The yeast cell wall components are potent immunostimulants; β 1, 3- β 1, and 6-D-glucan are immune cell activators with anti-tumor properties, which also stimulate macrophages that fight against

pathogenic microbes and tumor cells, while mannan oligosaccharides increase pathogenic binding activity. Additionally, it includes other performance enhancing natural ingredients like colostrum, clinoptilolite, organic mineral proteinates, *Yucca schidigera* plant extract, and *Aspergillus oryzae* fermentation extract. The ingredients in **Nutra-Aid Bio** provide minerals, improve animal immune systems and maximize overall animal performance.

Milk Yield in Cows Fed **Nutra-Aid Bio**



Mortality Rate in Chicks fed **Nutra-Aid Bio**



Performance of Nutra-Aid Bio

Inclusion rate: 1kg of **Nutra-Aid Bio** per metric ton of complete feed

	Control	Nutra-Aid Bio	% Improvement
Number of pigs	50	50	
Initial weight (kg)	23.30	23.20	
Final weight (kg)	67.48	71.90	6.55 %
Total feed intake (kg/pig)	121.90	125.60	3.041 %
Average daily gain (g)	0.631	0.696	10.30 %
Feed conversion ratio	2.76	2.53	6.52%