



# Bio Eko Humat Feed Additive

*for turkeys raised for meat  
production*



# CHALLENGES



Today's poultry farms strive to combine exceptional product **quality** with efficient production, maximizing both performance and **profit**

For producers, this translates into more efficient turkey rearing, higher weight gains, better survival rates, and superior product quality.

# CHALLENGES FACING PRODUCTION

## MEAT QUALITY

Modern turkey production focuses on delivering meat of exceptional biological value. Equally important is ensuring environmental safety throughout the production process, from feed formulation to final processing.



## FEED CONVERSION

The feed-to-live-weight ratio represents the amount of feed consumed per kilogram of turkey body weight before slaughter. Under optimal conditions, it is feasible to achieve feed conversion rates of less than **3 kg** of feed per **1 kg** of live weight gain during various stages of turkey rearing



## FLOCK UNIFORMITY

Achieving uniform flock size at slaughter ensures consistent product quality and optimal processing efficiency



# CHALLENGES FACING PRODUCTION

## SURVIVABILITY

To maintain optimal flock performance, total mortality and culling during rearing should stay below **6%** of the chicks placed at the start.



## WEIGHT GAINS

With the right nutrition and management, turkeys can achieve impressive daily gains of **25 to 200** grams — ensuring rapid, efficient growth and high-quality meat production.



# INTESTINAL DISORDERS

one of the main causes of reduced productivity in turkey rearing

**70%** of immune responses in the body are associated with the digestive tract, highlighting its critical role in maintaining self-regulation and bird health.

**30%** of a bird's energy reserves are spent on processes occurring in an organism affected by enteritis. Losses manifest as reduced feed intake, low absorptive capacity, and weight loss. In the most sensitive individuals, this can lead to death.

**Prolonged** inflammation leads to reduced flock productivity, changes in feed intake, digestion, absorption, and nutrient utilization by the birds.

# FACTORS AFFECTING PRODUCTIVITY



- Proportional growth and development of the skeleton, internal organs, and muscle mass of turkeys
- Immunity or resistance of birds to adverse environmental factors (stress, microbes, viruses)
- Reduction of immunotoxic effects of mycotoxins on the bird's body
- Activation of digestion
- Stimulation of functional activity of the digestive organs and hormonal system
- Efficient metabolism (high digestibility and absorption of feed nutrients)
- Regulation of intestinal microflora composition (reducing pathogenic microorganisms that produce toxins and compete with normal physiological microflora)

# KEY BENEFITS



Increased bird **survivability**



Improved **weight** gain in reared birds



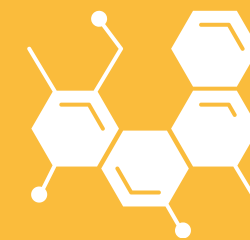
Reduced feed **conversion** ratio  
(better feed efficiency)



Enhanced **resistance** to environmental stress and adverse conditions



Improved meat **quality**



Mitigation of negative effects caused by **mycotoxins**

# KEY PERFORMANCE BENEFITS



Enhanced **immune**  
response to vaccinations



**Elimination** of inflammatory  
processes in the  
gastrointestinal tract



Activation of **digestive**  
functions



**Optimized** metabolic  
processes



Increased **economic**  
efficiency of turkey meat  
production

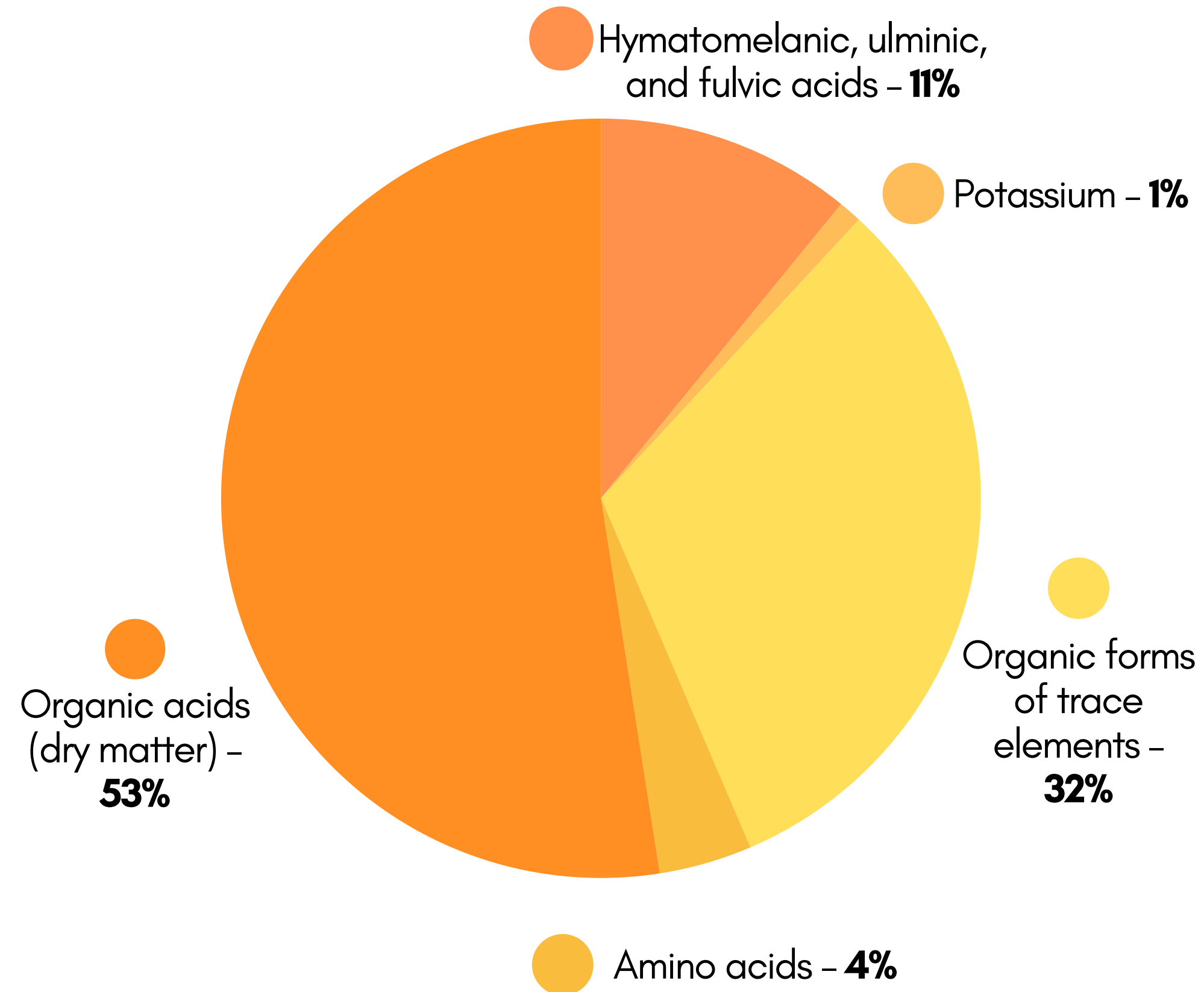
# Absolutely safe for TURKEYS, HUMANS, and the ENVIROMENT

➤ Eco Humate is a feed additive that has no carcinogenic, allergenic, anaphylactoid, teratogenic, or embryotoxic properties.

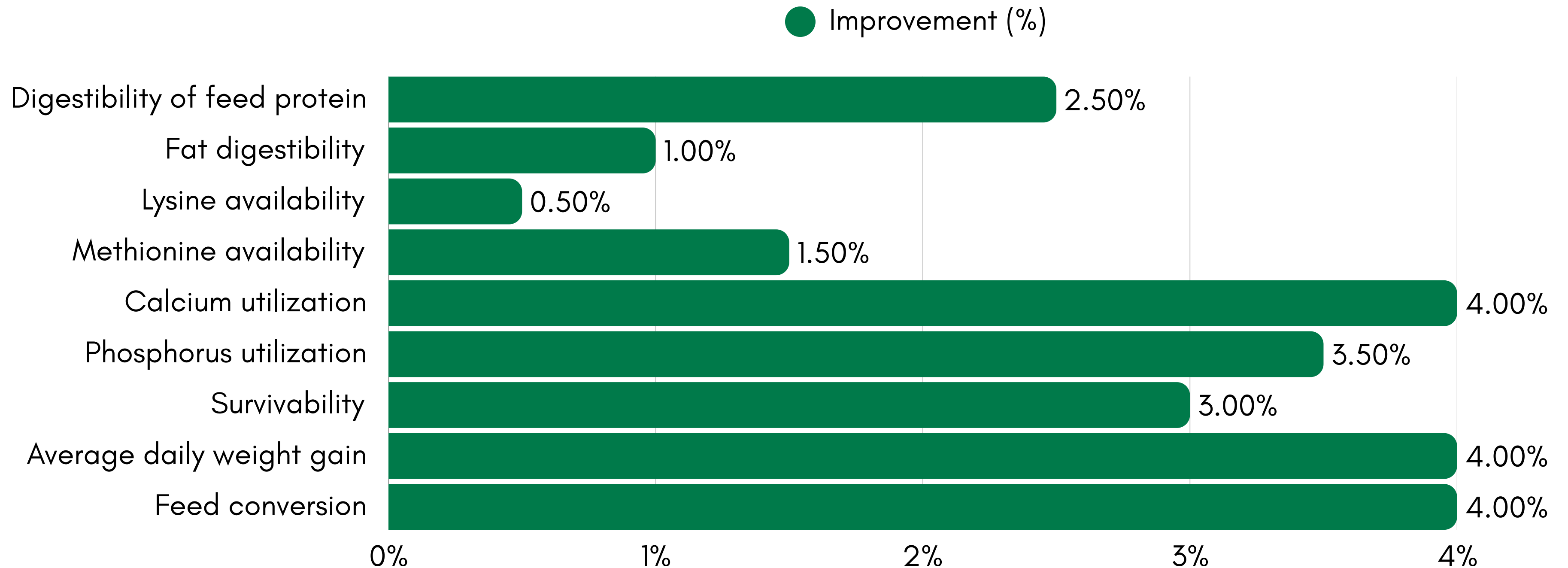
➤ It is also classified as an eco-friendly, natural feed additive for young and adult cattle

➤ Making it harmless for both animals and humans, providing significant advantages compared to conventional medicinal products.

## COMPOSITION (IN DRY MATTER):



# EFFECT OF "ECO HUMATE" ON YOUNG TURKEY CHICKS



## experiment description

- **Two groups of turkey chicks were selected:** experimental and control
- **Number of birds:** 250 in each group
- **Duration of productive period:** 150 days of rearing
- **Feeding:** both groups received the same diet
- **Experimental group:** received the feed additive "Eco Humate"

## studied parameters

- **Dynamics of live weight (weekly)**
- **Survivability (daily)**
- **Dynamics of average daily weight gain (weekly)**
- **Feed consumption (daily)**
- **Slaughter indicators**

# RESULTS

**+ 3%**

Increase in flock **survivability**

**+ 11.9%**

Increase in average live **weight** gain

**+ 8.7%**

Improvement in feed **conversion**

**+ 9.2%**

Increase in production **profitability**

**+ 2.1%**

Increase in slaughter **yield**