

# Bonza<sup>®</sup>Chicken

**Chelated Mineral Chicken Feed Supplement**  
**Broiler, Layer and Breeder Chicken Specific**

**For Veterinary Use Only**



## Chicken; an Important Source of Protein Worldwide

Poultry farming offers substantial benefits due to rapid growth rate, ease of feeding, higher stocking density and lower feed conversion ratio (FCR), compared to the other sources of protein. The FAO statistics corroborate the rapid growth rate of poultry meat consumption around the world.

Chicken meat accounts for 87% of the global poultry meat market. According to the latest statistics, over 65 billion broiler chicks, 100 million metric tons of chicken meat and 80 million metric tons of chicken eggs are produced in the world annually. In a similar pattern, approximately one billion one-day-old chicks, 2 million metric tons of chicken meat and 700 thousand metric tons of chicken eggs are produced in Iran annually.

## Chicken Feed Supplements and Additives

Feed supplements and additives are an inseparable part of modern industrial poultry farming, which lead to quality and productivity improvement in this industry. Although micronutrients account for less than 0.01% of poultry body mass, they are vital for the normal function of biological systems. Mineral (inorganic) salts are commonly used to meet the needs of poultry flocks for micronutrients, yet owing to the low absorption rate of these compounds, often high doses should be added to poultry's diet, because they are mostly excreted directly into the environment. Organic sources of mineral elements, such as chelates (mostly having amino acid-based structures), usually demonstrate higher rate of absorption than inorganic structures.

One main obstacle to the widespread use of existing organic supplements is their low cost-effectiveness, so animal nutrition experts are currently looking for a proper method to improve both production efficiency (meat & egg) and health level (minimizing mortality rate & the incidence of diseases).

## Bonzachicken Supplement; Chicken Specific

Relying on the results of various research proven, scientific studies and experiments and also in view of the market need, Sodour Ahrar Shargh Knowledge-based Company has manufactured a unique product named "Bonzachicken" supplement as a forerunner of Bonza poultry supplements specifically for broiler, layer and breeder chicken. The technology used in the production of this supplement is patented in Iran Patent Center & the United States Patent and Trademark Office (USPTO) and is filed in the European Patent Office (EPO) as well. This supplement contains 7 micronutrients of copper, zinc, selenium, iron, manganese, chromium and iodine in chelated form and guaranteed doses.

Supplementing broiler, layer and breeder chickens' diet with Bonzachicken supplement improves health, FCR and performance (increase in the weight gain of broilers and production of layer & breeder chickens, etc.), while it reduces mortality rate and the need for medications (antibiotics, etc.). Therefore, using this supplement is incredibly cost-effective, with profits several times more than the cost of purchasing Bonzachicken supplement.

### Bonzachicken Analysis

Iodine	Chromium	Zinc	Manganese	Copper	Selenium	Iron
600	50	46000	50000	8000	150	40000
ppm in chelated form						

### Daily Consumption Instructions for Each Broiler as a Water-Soluble Additive (On Top)

Age of the Flock (In Days)	Amount (mg per day)
1 – 10	5.5
10 – 20	18
20 – 30	36
30 – 40	50
From the 40th day until the slaughter	55





دانشگاه تحقیقات دامپزشکی  
اراک



**نتیجه گیری کلی:**

استفاده از ۲۵۰ گرم در تن خوراک مکمل بن زا چیکن به صورت on top موجب بهبود ۰/۱ واحدی ضریب تبدیل خوراک، +۳/۴٪ افزایش درصد تولید و ۲/۵ گرمی Egg mass (g/bird/d) گردید. جایگزینی ۱۲۰۰ گرم در تن خوراک از مکمل بن زا چیکن به جای مکمل های رایج معدنی عناصر ریزمغذی موجب بهبود ۰/۱۱ واحدی ضریب تبدیل خوراک، ۳٪ افزایش درصد تولید و ۲/۴ گرمی Egg mass (g/bird/d) گردید.



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0.1 Unit Improvement in FCR, 170g Increase in Live Weight, 70% Reduction in Mortality Rate and 17% Improvement in European Production Efficiency Factor in Broilers by Bonzachicken Chelated Mineral Supplement

3% Increase in Production & 0.1 Unit Reduction in FCR in Layer Chickens by Bonzachicken Chelated Mineral Supplement

**Instruction**

- ✓ When Bonzachicken is used as an additive (on top), there is no need to change the ingredients of the diet, including the types and amounts of vitamins or mineral supplements. Therefore, this supplement should be added to the feed or drinking water as an additive according to the tables of instruction.
- ✓ On vaccination days with vaccines dissolved in drinking water, do not add Bonzachicken supplement to water supply 8 hours prior and after vaccination. Bonzachicken supplement can be used along with injectable and ocular vaccines.
- ✓ When flocks are suffering health problems, Bonzachicken supplement can be used in water along with antibiotics, vitamins and additives at the same time.
- ✓ Use Bonzachicken supplement from day one until the last day of raising chicken.
- ✓ It should be noted that if you wish to use this supplement for broilers in drinking water, the required amount of Bonzachicken per day is calculated on a daily basis dosage rather than per liter of water used. To use the Bonzachicken supplement, first pour the recommended amount per day into a container with some water, preferably warm, and stir until it dissolves completely before pouring it into the main water tank. To guarantee that the recommended daily quantity is consumed by the chickens, the water output should be adjusted so that the required Bonzachicken is consumed within the first third of the flock's water consumption.

**Key Points**

When using Bonzachicken supplement in broilers diets as a complete replacement for micronutrient supplements, you can experience higher performance by increasing the dosage to 2kg per metric ton of feed.

In the event of probable flock stress (heat stress, coccidiosis, aflatoxin, E. coli, etc.), 500 grams of Bonzachicken should be used per ton of feed. If these tensions arise unexpectedly, the amount of consumption should be raised to 500 grams per metric ton of feed.

**Precaution**

Do not use other organic micronutrient supplements (such as amino acid, peptide, hydroxy analogue, polysaccharide or yeast-based chelates) along with Bonzachicken supplement in diets.

**Bonzachicken Consumption Dose**

Type of Flock	Additive (On Top) (g/metric ton of feed)	Additive (On Top) (g/1000 L of water)	Complete Replacement for Mineral Micronutrient Supplements (kg/metric ton of feed)
Broiler	250	-	1 - 2
Layer	250	125	1.2
Breeder	250	125	1.2 (Layer) - 2 (Broiler)

**Storage**

- Make sure to close the container after each use. Keep out of reach of children, away from direct sunlight, in a dry place, at room temperature and in the original container. Protect it from freezing.
- The expiration date is 2 years after production if the container remains closed, and 12 months after it is opened.

**Package**

- 2kg bag
- 10kg composite bag

