Bonza® Chick

Chelated Mineral Supplement

New Generation of Poultry Feed Supplements

Turkey, Indigenous Chicken, Duck, Goose, Quail and Partridge

Poultry; an Important Source of Protein Worldwide

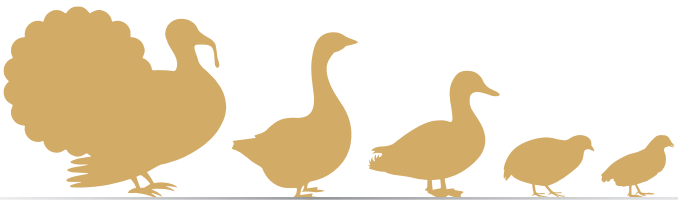
Poultry farming offers substantial benefits due to rapid growth rate, ease of feeding, higher stocking density and lower feed conversion ratio (FCR), compared to the other sources of protein. The FAO statistics corroborate the rapid growth rate of poultry meat consumption around the world.

In addition to chicken which is ranked first in the industry of raising poultry, other birds, such as turkeys, ducks, geese, partridges and quails, are also raised industrially in various regions. The meat and eggs of these birds are highly nutritious and are normally sold at a higher price compared to the meat and eggs of chickens.

Poultry 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, their essential requirement for normal function of biological system is definite. 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).



Bonzachick Supplement; Poultry 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 "Bonzachick" supplement as a new generation of poultry supplements (turkey, indigenous chicken, duck, goose, partridge and quail). 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 5 micronutrients of copper, zinc, selenium, iron and manganese in chelated form and guaranteed doses.

Supplementing poultry's diet with Bonzachick supplement improves health and FCR, increases weight gain at the end of the rearing period and reduces mortality rate as well as medications & antibiotics consumption. When Bonzachick supplement is added to the poultry's diet, there is no need to change the ingredients of the diet, including the types & amounts of vitamins or mineral supplements. Therefore, this supplement should be added to the feed or drinking water on a daily basis according to the tables of instruction.

Bonzachick Analysis

Zinc	Manganese	Copper	Selenium	Iron
56000	56000	8000	700	17000

ppm (in chelated form)

Key Points

- ✓Bonzachick supplement can be dissolved in water or mixed with feed.
- ✓On vaccination days, Bonzachick supplement should be added to water supply a couple of hours after vaccination.
- ✓Using Bonzachick supplement in water along with antibiotics, vitamins and other additives causes no problems, so when flocks are suffering from a disease, this supplement & medications can be used in water at the same time.
- ✓When Bonzachick supplement is used in drinking water, its daily consumption dose is not dependent on the amount of water, but it is based on the daily consumption dose that is specified in advance. Therefore, this supplement should be added to and dissolved in some water (preferably warm) in a separate container to be then mixed with the water supply.
- ✓Do not use other organic micronutrient supplements (such as amino acid, peptide, hydroxy analogue, polysaccharide or yeast-based chelates) along with Bonzachick supplement in diets.
- ✓Bonzachick supplement is packaged in 250, 500 and 1000g containers. The expiration date is 2 years after production if the container remains closed, and 12 months after it is opened.

The Results of Using Bonzachick Chelated Mineral Supplement on an Industrial Quail Farm

Increase in Live & Carcass Weight

Daily Dose for Quail, Duck and Partridge (Dissolve in Water)

	Quail		Duck		Partridge	
Age (Day)	One Bird (mg)	100 Birds (g)	One Bird (mg)	100 Birds (g)	One Bird (mg)	100 Birds (g)
1-10	0.45	0.045	0.4	0.04	1.3	0.13
10-20	1.5	0.15	1	0.1	1.3	0.13
20-30	3	0.3	1.7	0.17	1.3	0.13
30-40	3.2	0.32	2.2	0.22	2.3	0.23
40-50	4.3	0.43	2.5	0.25	2.3	0.23
50-Slaughter	4.3	0.43	2.8	0.28	2.3	0.23

Daily Dose for Turkey (Dissolve in Water)

Age (Month)	One Bird (mg)	100 Birds (g)
1	11	1.1
2	30	3
3	40	4
4	45	4.5
5	53	5.3
6	53	5.3

Daily Dose for Indigenous Chicken (Dissolve in Water)

Weight (g)	One Bird (mg)	100 Birds (g)
Under 200	0.5	0.05
200 - 500	1	0.1
500 - 1000	2	0.2
1000 - 1500	4	0.4
1500 - 2000	6	0.6
Above 2000	7	0.7

Daily Dose for Layer/Breeder Indigenous Chicken, Quail and Partridge (Dissolve in Water)

Type	One Bird (mg)	100 Birds (g)
Indigenous Chicken	8	0.8
Quail	4	0.4
Partridge	4	0.4

Daily Dose for Goose (Dissolve in Water)

Age (Week)	1 - 3	4 - 6	7 - 9	10 - 12	13 - 14
One Bird (mg)	1.5	3	5	6.5	8
100 Birds (g)	0.15	0.3	0.5	0.65	0.8

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