

Bonza[®] Shrimp

Chelated Mineral Farmed Crustaceans Feed Supplements

Shrimp, Crab and Lobster Specific

For Veterinary Use Only



Overview of Crustaceans & Shrimp Industry

According to the latest FAO statistics, the Aquatic Animal sector accounts for more than 70% (82 million tonnes) of the world's aquaculture industry products worth \$250 billion. Freshwater, marine shrimps and crabs (shrimp, prawn, crayfish, crab, and lobster) accounted for about 8.6% of total aquaculture production in 2019, equal to 10.4 million tonnes worth \$76 billion. About 7 million tonnes are dedicated to freshwater and marine shrimp production, with a market value of \$45 billion, and the remainder to freshwater and marine crabs (including crayfish, crab, and lobster), with a market value of \$31 billion. Pacific White Shrimp *Litopenaeus vannamei* is the most popular crustacean farmed species, accounting for 51% of the market with a value of \$32 billion. China, India, Ecuador, Indonesia, and Vietnam are the world's top shrimp producers. Iran ranks tenth with a production volume of approximately 50,000 tonnes of shrimp.

Aquaculture Feed Supplements & Additives

Feed supplements and additives are an essential part of aquaculture as they improve quality and function in this industry. Although micronutrients account for less than 0.01% of total body mass of fauna, they are vital for the normal function of biological systems. Mineral (inorganic) salts are commonly used to meet the needs of fish for micronutrients, yet owing to the low absorption rate of these compounds, often high doses should be added to diets, because they are not absorbed and 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; however, consuming these types of supplements industrially is not generally cost-effective.

Bonzashrimp Supplement, Shrimp & other Farmed Crustaceans 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 "Bonzashrimp" supplement as farmed crustaceans supplement specific for shrimp, prawn, crayfish, crab, & lobster. 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 8 microminerals of phosphorus, calcium, magnesium, copper, zinc, selenium, iron, and manganese in chelated form and guaranteed doses. Bonzashrimp supplement is available in powder form. Using this supplement is incredibly cost-effective, with profits several times over the cost of purchasing Bonzashrimp.

Caution & Warning

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

Some of the advantages of Bonzashrimp supplement are:

- Boosting immune system function & health
- Reduction in rearing period and maintenance costs
- Increase productivity and production efficiency per metric scale
- Growth rate & feed conversion ratio (FCR) improvement in shrimp farms
- Increase feed efficiency and reduction waste excretion and pool contamination

Bonzashrimp Composition			
Phosphorus	Calcium	Magnesium	Zinc
40000	20000	30000	20000
Iron	Copper	Selenium	Manganese
20000	3000	200	8000
(ppm) in chelated form			

Report of Shrimp Research Institute of Iran

According to the results obtained from the Shrimp Research Institute of Iran, the use of Bonzashrimp supplement in the amount of 1kg per ton of feed in the Pacific White Shrimp *Litopenaeus vannamei* diet increases weight growth by 7%, decreases the feed conversion ratio (FCR) by 0.3 unit, and increase survival by 13.3%.

Instruction

- ✓ Bonzashrimp supplement, containing 8 important micronutrients in chelated form, is added to feed as an additive (on top); then, there is no need to change the formulation of diet
- ✓ Bonzashrimp supplement is mixed with the feed. This supplement is resistant to temperature in pellet making or extrusion processes
- ✓ It is essential to follow the consumption dose precisely to obtain desired results in the farms or companies.

Dosage

Feed Factories: Mix 1000g of Bonzashrimp supplement with one metric ton of feed (in pellet or extrude form).

Farms: Dissolve 10g of Bonzashrimp supplement in 400ml of water and then spray it on 10kg of feed. It is recommended to spray a type of oil (fish or vegetable) or gelatin on the diet when the pellet becomes dry.

Package & Storage

Bonzashrimp supplement is packaged in 1 and 10-kg bags in powder form. The expiration date of this product is 2 years after production if the container remains closed, and 12 months after it is opened.

Bonzashrimp supplement must be kept out of reach of children, away from direct sunlight, in a dry place, at room temperature and in the original bag. Protect it from freezing.



Sodour Ahrar Shargh Knowledge-based Company

The Technology Owner and Producer of Advanced Chelate Compounds



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