



**It stabilizes ponds' soils pH and releases bioavailable minerals**

**It enhances ponds' natural productivity**

**It promotes a better plankton balance, avoiding over eutrophication**

**It increases water alkalinity while reduces pH fluctuations**

**It promotes a better feed conversion ratio, weight gain and productivity of the shrimps and fish**

**It helps shrimp for a healthier and faster moulting process along the rearing crops**

**It increases the calcium absorption for a faster growth of fish bones and muscles**

**Higher yield, weight and size of the shrimp.**

LITHONUTRI® Acqua is a mineral fertilizer of 100% biological origin (Lithothamnium marine algae) with the capacity of chemical and biological conditioning of the pond's soil and water. It is a high bioavailable product, with nutritional and water buffering properties, which enhances pond's natural productivity, increases water alkalinity, stabilizes water pH and promotes a healthier shrimp moulting process and fish bones and muscle growth.

## INSTRUCTIONS FOR THE USE OF LITHONUTRI® ACQUA:

### For Earthen Ponds

- Apply LITHONUTRI® Acqua 250 - 500kg/hectare/cycle in moist soil after ponds sterilization.
- It may be applied manually or with the use of agricultural machines.
- Let it react on the soil of the earthen pond (without filling it) for at least 1 week.

### For Water Quality Improvement

- Intensive and Super-intensive aquaculture systems: Apply LITHONUTRI® Acqua at 3 - 20g/m<sup>3</sup>/day along the whole rearing crop (increase the daily amount according to the measurement of total alkalinity (minimum 120 ppm) and water pH fluctuations (max pH - min pH < 1)).

Semi-intensive aquaculture systems: Apply 50 - 100 Kg/hectare/week of LITHONUTRI® Acqua after filling up the pond (previous soil treatment must have been done).

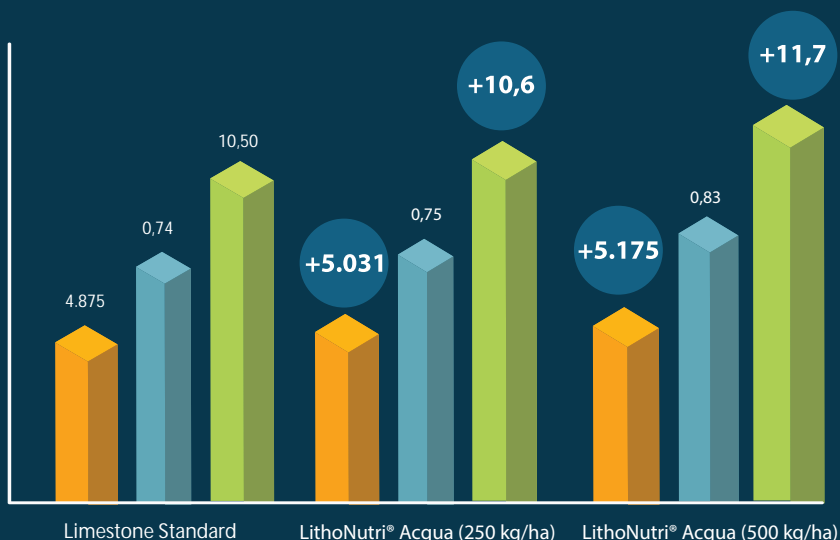
### For Feed Incorporation

- Replace the Calcium source for LITHONUTRI® Acqua in the dosage of 1% to 2%, depending on the nutritional matrix and/or specific environment conditions and species requirements.

## BENEFITS OF LITHONUTRI® ACQUA IN SHRIMP FARMING

SOURCE OF HIGH BIOAVAILABLE MACRO AND MICRO MINERALS, NUTRIENTS, AND AMINO ACIDS

Yield (kg/ha) ● Weight Gain per Week (g/week) ● Final average weight (g) ●



In the average of 2 cycles, 250 kg/ha of LITHONUTRI® promoted the increase of 155 kg/ha of shrimps and 500 kg/ha LITHONUTRI® promoted the increase of 300 kg/ha of shrimps. The increase of the shrimp growth, promoted by LITHONUTRI® ACQUA, generated shrimps with higher commercial value.

Prof° Dr. Hiran Farias Costa - UFC - 2018