



G&G TOTAL AGRO

COMMITTED NEW SECTORS



LINE AQUACULTURE NUTRICAMA



NUTRICAMA in its normal formulation, EXI and PLUS contains:

Nitric nitrogen 15%, Silicate 3.5%, 23.2% Sodium and other elements such as boron, magnesium, sulfur and potassium. Nutricama phosphorus containing 6% of P₂O₅, in a relationship n / p ideal for encouraging the development of flowering or "bloom" of phytoplankton also contains the same nutrients as Nutricama without phosphorus.

It is important to note that **NUTRICAMA** containing the nutrient nitrogen in the nitrate chemical form, contains neither produces ammonia unlike other fertilizers. **NUTRICAMA** to be sprayed to soil and water ponds, productivity increases rapidly and this is reflected in the abundance of natural food of better quality shrimp. Diatoms, and chlorophylls cyanophytes

It is common to fertilize the soil with 100 kg / ha of phosphorus **NUTRICAMA** or just before filling the pond. This practice of fertilizing the soil improves the quality of the background, there is also the layer of mud where they all chemical and water exchange reactions. That is why the pond bottom is considered a "chemical laboratory and warehouse primary nutrients" and as such plays an important role in maintaining the productivity of the paper.

NUTRICAMA also provides oxygen and nitrate to enhance the biochemical processes that occur in the mud, so it acts as a reducing organic matter is concentrated in the funds.

Regular dosage **NUTRICAMA** by biologists was 10 and up 20 kg / ha weekly and ideally throughout the cycle. Also, to compare the productivity has been observed expansion of at least 5 times more where **NUTRICAMA** applied. This productivity is measured in cells / ml and with the disk sechii. The measure with the disc is 35-40 cm.

APPLICATIONS AND USES

NUTRICAMA used in different aquatic environments

- low salinity waters.
- estuarine waters.
- ocean waters.
- Water with low O₂ concentration.

REGULATORY ACTIONS AS ECOLOGICAL NUTRICAMA

- Alkalizes pH due to its sodium content.
- Prevents the formation of sulphides and odors.
- decontaminates the water and soil full of organic matter.
- Increases the oxygen level in the water column.
- Minimizes benthic algae and "dead corners".
- Increases the life of the ponds.
- Reduce the time of post-harvest treatment ponds.
- Reduce the costs of preparing the pond before planting.

NUTRICAMA SHARES AS FERTILIZER AQUACULTURE

- Nitrogen Assimilation immediate 100% Nitric (NO_3).
- Encourage the development of diatoms for their content of 100% soluble silicate (SiO_2).
- It promotes the growth of micro-algae, shrimp and other species by its content of essential micro-elements.
- Reduces filamentous bacteria, increasing the available nitrogen for phytoplankton.
- Renew the algae population, making it more selective proliferation.
- Improving the quality of phytoplankton ponds.
- Reduces levels Cyanophytas ponds.
- Serves as a treatment pond to remove the "musty odor" or "off flavor".

Fast application as a producer of natural food for shrimp and other species responds.

BENEFITS NUTRICAMA

Stable micro-environment of the pools for the cultivation of shrimp and other species.

- Extends the life of the ponds.
- Encourage the production of diatoms.
- Reduces feed intake.
- Increase survival.
- Reduces maintenance costs of the ponds.
- Improving the profitability of their production.

Using **NUTRICAMA** is a comprehensive solution that provides analysis and monitoring each of the stages of aquaculture production, from testing, sampling of soil and water monitoring visits scheduled through our technical experts. The use of this specialized fertilizer has to our clients grow beyond the expected short, medium and long term.

NUTRICAMA P4

ELEMENT	PERCENTAGE GUARANTEED
Nitrogen (N) (100% Nitrate)	14.0%
Phosphorus (P ₂ O ₅)	4.0%
Silicate (SiO ₂)	2.5%
CE (1 g/l a 20° C)	1.1 mS/cm
pH (1% solution)	7.6
Solubility (g/l a 20°C)	200
Aspect	Crystalline powder
Colour	White

NUTRICAMA P6

ELEMENT	PERCENTAGE GUARANTEED
Nitrogen (N) (100% Nitrate)	14.5%
Phosphorus (P ₂ O ₅)	6.0%
Silicate (SiO ₂)	3.5%
Boron (B)	0.5%
Sodium (Na)	23.0%
CE (1 g/l a 20° C)	1.1 mS/cm
pH (1% solución)	7.6
Solubility (g/l a 20°C)	200
Aspect	Crystalline powder
Colour	White

NUTRICAMA P4 – NUTRICAMA P6 as promoter of Fitobento

NUTRICAMA P4 - NUTRICAMA P6 applied to dry soil to develop fitobento layer, natural food shrimp.

The early development of fitobento allows the shrimp to get more food Natural during the first weeks of development, resulting in a higher weight gain, shortening the production cycle and decreasing mortality in the early stages of development.

Application standings NUTRICAMA P4 and P6 as promoter fitobento (kg)	
Country	Ground dose
México	250-300
Guatemala	250-300
Honduras	200-300
Panamá	200-300
Colombia	250-300
Ecuador	200-300
Perú	200-300
Brasil	250-350

NUTRICAMA P4 - NUTRICAMA P6 like algae promotor

NUTRICAMA P4 - NUTRICAMA P6 is ideal for application during the cycle of shrimp farming, promoting the development of diatoms, according to Nutricama Fertilization Program designed specifically for shrimp farm. The dose management, time and frequency, must be subject to analysis of water in order to obtain maximum productivity. The product should be applied during the initial stage in diluted form and broadcast homogeneously throughout pond or pool.

In the maintenance phase, **NUTRICAMA P4 - NUTRICAMA P6** can be applied either diluted or dry and broadcast, according to water analysis.

Standings NUTRICAMA-P application as a fertilizer (kg/ha)			
Country	Initial	Maintenance	Nº Dosage
México	30 - 50	10 - 15	1 to 2
Guatemala	50 - 70	15 - 20	1 to 2
Honduras	30 - 50	15 - 20	1 to 2
Panamá	25 - 35	15 - 20	1 to 2
Colombia	25 - 35	10 - 20	1 to 2
Ecuador	25 - 35	10 a 15	1 to 2
Perú	150	0	3
Brasil	30 - 50	15 - 20	1 to 2

NUTRICAMA EXI

Aquaculture NUTRICAMA line is specially developed for improving the quality and performance of aquaculture production, mainly of shrimp farming. **NUTRICAMA EXI** can maintain the natural balance of the ecosystem, stabilizing the key parameters of soil and water, preventing stress and disease shrimp farming, optimizing performance and quality.

ELEMENT	PERCENTAGE GUARANTEED
Nitrogen (N)	14.5%
Silicate (SiO ₂)	2.5%
CE (1 g/l a 20° C)	1.2 mS/cm
pH (1% solución)	10
Solubility (g/l a 20°C)	200
Aspect	Crystalline powder
Colour	White

NUTRICAMA PLUS

ELEMENT	PERCENTAGE GUARANTEED
Nitrogen (N)	15%
Silicate (SiO ₂)	3,5%
Sodium (Na)	23,2%
Boron (B)	0,035%
Magnesium (Mg)	0,15%
Sulphur (S)	0,08%
Potassium (K)	0,37%
Maximum Humidity	0,15%

PROPERTIES

For the nitrate content of NUTRICAMA EXI only it releases oxygen when the concentration of dissolved O₂ and redox potential are low by reinvesting quickly to the water column for immediate availability, avoiding the death of algae and the formation of hydrogen sulphide gas. NUTRICAMA EXI reduces the level of organic matter to be applied after harvest and before planting. Oxygen NUTRICAMA EXI is used by bacteria to mineralize organic matter transforming it into carbon dioxide and water, thus avoiding negative effects on the ecosystem as retarded growth, instability phytoplankton forming the undesirable gas and dead zones.



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