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W E A F A M I L Y

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**BIOFACTOR**

Designed By Nature Delivered By Us



Biofactor is a pioneer in manufacturing probiotics, biostimulants, biopesticides and related alternatives that help reduce the environmental impact and benefit the farming community.

We are leaders in providing biologically beneficial microbes/enzymes that cater to the needs of organic agriculture, aquaculture, poultry and livestock. All our solutions are natural, non-toxic, eco-friendly and cost-effective providing dual benefit in the form of enhanced protection and increased productivity.

For over a decade, Biofactor is engaged in research and development of biosolutions that are the outcome of customers' needs and concerns. We closely follow National Council of Industrial Microbes (NCIM), Indian Council of Agricultural Research (ICAR), amongst others to understand the current scenario and then steer our R & D efforts in the direction that helps promote sustainable farming practices. Backed by a strong team of microbiologists and biotechnologists from eminent institutions, Biofactor continues to innovate and provide just-the-right-mix traits on-time, a factor that is renowned to be the cornerstone of Biofactor's success.

“To develop environment-friendly biological inputs at affordable prices that maximize the potential for enhanced protection and increased yields” Research and development is the cornerstone of all we do. All application-oriented basic research is conducted by our in-house R&D team & facility recognised by **DSIR** (Department of Scientific Industrial Research) Govt. of India at the Biofactor Research Center (BRC) at IDA Bollaram, Hyderabad.

Collaborations with global institutions and organisations strengthen the Biofactor research core. Synergies from these research collaborations inspire us to push the boundaries of Agri, Aqua, Poultry and livestock care and continue developing customer-oriented solutions that are a step ahead of the competition.

Through actively following prominent research institutes, Biofactor is constantly in touch with the latest scientific knowhow, from which novel biosolutions are developed and produced.

Thank You





Regalis contains soil, water and gut probiotics. In this, the best range of microorganisms such as Bacillus (Aerobic), Lactobacillus (Anaerobic) and Rhodococcus (facultative) are granulated hundred crores per gram. So that these granules bottom first and manage the sludge and water there efficiently and helps the healthy growth of shrimps and efficiently manages the exchange of fodder. As a result of this management of pond expenses will be reduced significantly and farmers will get profits.

If you use scientifically proven regalis granulated aquaprobiotic regularly you can observe that the water changes to a golden green colour and the colour is also stable. Use scientifically proven regalis granulated aquaprobiotic regularly. Reduce your pond management and cultivation expenses and get high yields. **Regalis is a scientific choice.**

**Dosage:** For one hectare basal dose is 1 kg. Top up the dosage everyday for every 10 days is 300-500 gms.



**Regalis**



**Virban**

White gut disease is caused by a harmful microorganism of the species Vibrio, Six types of harmful microorganisms of this Vibrio species will always be in a pond. We see them as green colonies in water test report. The problem starts when this harmful Vibrio microorganisms colonize in the gut of the shrimps. Its a little difficult to detect at the farmer level, but after few days we can notice that there is a white thread in the food tube of the shrimp. Since then the yellow or white coloured excrete of the shrimp floats on the water along with the edges of the pond embankment. Their severity is increasing day by day. In this situation it is natural for the farmer to become tense a bit. Then here only that the temporary relief methods (systems) chosen by the farmers are being delayed and finally pond with the higher losses due to loose shell syndrome throwing the farmer into a debt is happening unknowingly. To prevent that from happening a sure solution to the white or white fecal problem is needed.

From the first day of the white gut appearance, for one k.g fodder 10ml l. Virban should be added and use regularly as specified in 24 to 36 foddors. On the 3rd of the use, white fecal matter will come out a little more. On 4th day more matter will come. On 5th day even more matter will come out. This means the infection in the gut and stomach on 3, 4 and 5th days is excreted. After that on 6 and 7 days white fecal will appear in a little amount. On 8 and 9 days it will be completely reduced. No fodder is reduced in this order.

**Dosage and usage:**

For 1 kg fodder 10 m.l. Virban feed will be given 4 times a day.







**V vacc**

Vibriosis disease is caused by a harmful microorganism of the species Vibrio, Six types of harmful microorganisms of this Vibrio species will always be in a pond. We see them as green colonies in water test report. The problem starts when this harmful Vibrio microorganisms colonize in the gut of the shrimps. Its a little difficult to detect at the farmer level , but after a few days we can notice that the shrimp will turn pale red or pink. Then they swim on the surface of the water in the pond. During this time if the farmer does not follow the proper farming techniques the losses can not be estimated. In this situation it is natural for the farmer to become tense a bit. Then here only that the temporary relief methods (systems) chosen by the farmers are being delayed and finally pond with the higher losses throwing the farmer into a debt is happening unknowingly. To prevent that from happening a sure solution to the Vibriosis problem is needed. **V vacc should be used to see the end of the viriosis.**

**Dosage and usage:**

From the first fodder of the Vibriosis appearance, in all fodders V vacc 10 ml.l should be added for kilo fodder.

Evacc is a new technological innovation. The phyto chemicals in it are micro - encapsulated using a special process that improves the performance of the disease fighting chemicals ten times. Not only that, it also motivated the stunted growth due to E.H.P and increases the speed of the growth of the shrimp and efficiently maintains fodder exchange efficiency.

**Dosage and usage:**

For every 1l. water add 10 m.l of Evacc and marinate 2 kilos food till 15 to 20 days in all foods.



**Evacc**

**Stress is the reason for all diseases and problems.**

- If the concentration of shrimps in ponds is more than the required concentration then it is called stress.
- If the shrimp is un able to consume the protein fully in the fodder its called stress.
- Due to the lack of sludge (aquaorganisms fecal matter) management in the bottom of the pond stress will be caused.
- Severe stress is due to imbalance in weather conditions.

Due to the water management deficiency in the pond stress is mentioned above. Stress is measurable and countable. **A stress reliever seafactor is a stress reliever** which can defeat the stress. It contains nano encapsulated selenium, chromium, vitamin C, vitamin B1 and B2 will not only relieve all types of stress and promote healthy growth of shrimp but also manages properly the efficiency of fodder consumption capacity.

**Seafactor is a lucky line in fish and shrimp farming.**

**Dosage and Usage:**

Add 1.5 m.l in 1 kg food and should be given everyday.



**Seafactor**





**Trucare is a best range of gut probiotics.**

The enzymes, prebiotics, probiotics in Trucare plays a crucial role in the healthy development of shrimps. Due to the pre mixing of the required prebiotics that are needed to spread and grow quickly in the gut for probiotics, shrimps make use of the work of probiotics. The enzymes in it speed up the metabolism of the shrimp and increases the food consumption and immunity.

**Dosage:** 5 to 10 gms /kg food



**Trucare**



**Dawn**

White spot disease is a virus disease in shrimps. This is very harmful to shrimps and fatal disease as well. Once its is infected it will spread very quickly. So proper precaution should be taken to prevent infection. As part of this the immunity of the shrimp should be developed against the whitespot. Dawn is made of in a special way. The micro encapsulated phyto extract in it is having the best immunity. This is specially tested on white spot virus and recorded best results. For one kilo fodder add 10 m.l in all fodder once in a week.

In Panami shrimp farming the role of minerals is considered to be a lions share. It is because in the growth of a shrimp the role of minerals plays a major and popular role. These are available in market as three types.

1. In organic minerals 2. Chilled and organic minerals 3. We will check how and where in the exchange of nano encapsulated minerals efficiency be. In organic minerals- For one hectar with an 10x20 kg of exchange capacity is not exceeding 30%.

Organic minerals or chilled minerals: These are stabilized with any organic matter with inorganic minerals and their exchange capacity is up to 60%.

Organified nano minerals: These are new generation micro mineral nutrients. These have been proven experimentally in universities around the world i.e the exchange capacity of these are confirmed as 100%. Due to the usage of these regular micro mineral shrimp will never be bend (bends) and the problem of white muscle will never be happen. Not only that approximately there will be a chance of 12% to 14% more growth in shrimps. Use high exchange Milap regularly. Get more yields.

All the minerals required for the osmo regulation of shrimp in Milap are made with the help of a modern scientific nano technology. The minerals in it are all made of micro panels . So that shrimps are fully utilized as the bio availability is at the higher level. So completely molted . Not only this, it will be useful for the healthy growth of joo planktan, phto planktons. So the capacity of fodder exchange rate is significantly increased and FCR will be managed efficiently. So farmer will get profits. **"A big wonde is possible through a small one."**



**Mintop**  
(liquid nano minerals)





**Biocidaa**

Water sanitation is a compulsory process in shrimps and fish farming. We should keep in mind that all that is used for this is harmful chemicals. The usage of harmful and severe poisonous chemicals kills not only the pathogenic organisms in the water but also water soil probiotics. Due to this the eco system in the pond will be damaged and all of a sudden shrimps will be under severe stress. Infection will be increased. Biocidaa is a natural water sanitizer and as it does not contain any dangerous and severe poisonous chemicals there is no scope for severe stress for shrimps. This is made of modern nano technology. This is proven scientifically to be harmless by OECD international guidelines.

**Biocidaa has an extensive function of anti microbial.**

It contains natural phyto, bio chemicals. They do not cause any harm and stress to the environment and shrimps in the pond and hens. The special nano capsulation method in it has the most efficient effect on 60% of micro particles i.e smaller than 100 nano meters size of microorganisms i.e virus. 40% of micro particles will show effect on more than 200 nano meters i.e bigger micro organisms bacterias and fungus. It has been approved scientifically in the laboratories of central government (**NABL**). Biocidaa can be used as sanitizer and disinfectant.

**Dosage and usage:** For shrimps: per hectar water 5liters biocidaa and for fish: per hectar 2liters, 1-1.2 meters.

Procare-W that has gut probiotics like the species of lactobacillus , streptococcus belonging to the acidophilas, pantafaram, KC, balgarikas and Fesium, Fikalis, thermophilas like bacterias show best functionality.

If you use regularly the scientifically proven procare w aquaprobiotics we can observe that the water will turn into golden green colour and the colour will be stabilized.

Use scientifically proved procare w aqua probiotics regularly. Reduce your pond management and farming expenses and get higher yields.

**Procare w is a scientific choice.**

Resources: soil and water probiotic (Soil and water probiotic)



**Pro care-W**



**Trumin ultima**

Minerals play a crucial role in the growth of shrimps is not a exaggeration. Minerals is more required before and after molting by shrimp. shrimps will absorb minerals in the water in osmo regulation method. But minerals are not available in water, but if available they are not in absorbing form. So Trumin ultima minerals should be given at least once in a day in one fodder. It has minerals that are made by nano technology. So as their bio availability in at a higher level shrimps will use them fully and grows quickly. In special conditions like white muscle disease and bend disease (bends) in shrimps trumin ultima should be used in all fodders.





Kipper is a red disease in fish farming. We should consider this as big problem. This is technically called epizootic alcripative syndrome. We should consider this as a secondary bacterial and fungus infection. It spreads widely in lower temperature. This will create farmer a big loss by preventing osmoregulatory system in fish that will cause contract of the muscles in the fish and subject to severe ulcers in fish. Kipper is a natural phyto, bio based micro encapsulated liquid. This will face the red disease very strongly and co-operate speedy growth of fish.



**Kipper**



**Bioton**

The best range microorganisms in bioton has been formulated as a multi purpose utilizer for food exchange order , growth of fishes and the management of the pond. The composition of pre biotics and probiotics and enzymes it has helps in usage of higher percentage of proteins in the food. They will also increase immunity. They will manage efficiently the wastage in the pond and contribute a healthy growth in fish. Thus farmers will get more profits.

This is a composition of nano selenium and nano ascorbic acid. It will work as stress reliever. As it increased the immunity level it greatly reduces the translocationl stress and increases survivability. It will control freeradicals as it contains more anti oxidants.

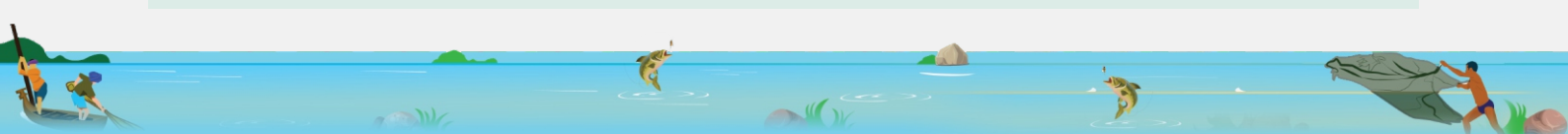


**Vardaan**



**Moltmaster**

The molding process in shrimps is considered to be the very first important thing. To occur molding naturally and in a proper way in shrimps all the minerals must be available in and suitable for absorption by osmo regulation and the maintenance of factors and co factors must be carried out efficiently and regularly during that time. The malt master is formulated with the required minerals, amino acids and enzymes in proper doses.





## Biofac Inputs Private Limited

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