Bio care's

BIO MIN FORTE

Enriched with minerals,Enzymes and Probiotics

BIO MIN FORTE : Is a powder blend of Herbal macro & Micro minerals, beneficial, bacteria, Activated carbon, and Zeolite. Which can be used for maintaining stable algal blooms in the pond, High concentrated minerals and probiotic bacteria helps in mineralization of the aquatic pond soil. Maintain a healthy environment by virtue of its ability to biodegrade complex organic wastes, removes toxic contaminants by enriching the soil and water.

Calcium	32%	Iron	0.1%	Sodium Selenite	0.2%
Phosphorus	12%	Potassium	10.5%	Chromium Picolinate	0.005%
Magnesium	30%	Manganese Sulphate	0.5%	L-Lysine	0.4%
Copper Sulphate	0.04%	Vitamin A43	150,000IU	Sulphur Powder	0.5%
Cobalt	0.01%	Vitamin E	50,000IU	Choline Chloride	0.5%
Ferrous Sulphate	0.5%	Sodium Borate	1%	Ammonium Molybedate	0.2%
Zinc	10%	A	A	A	A

BENEFITS : Induces faster for maintaining stable algal bloom in the pond and keeps away majority of the problems in the aqua culture pond management
Improves the uptake of nutrients and their retention in the soil and suppresses the harmful effects of soil acidity
Oxidizes ammonia and hydrogen sulphide and maintains high water quality and an ideal environment for shrimp/fish to grow
Rejuventes the pond bottom,restore its productivity and nourishes phytoplankton and zooplanktons.

Dosage : 5 kg to 15kgs per acre Or as directed by the Aqua culture consultant

Presentation : 10 kgs

Bio care's

LIQUID PS

LIQUID PROBIOTICS - WATER & SOIL

LIQUID-PS Pond water & bottom pollution are one of the foremost causes of poor yields in prawn farming. Dead, decaying & putrefying organic substances at the pond bottom instigate pond water and bottom pollution. Among the chief pollutants in this process is the release of hydrogen sulphide gas. The discharge of Hydrogen sulphide radically drops levels of dissolved oxygen in the pond water, suffocating the shrimp in the polluted water. **LIQUID-PS** is a blend of probiotic bacterial species - Multi strain bacteria. These probiotic bacteria display broad metabolic diversity and an array of unique enzymatic capabilities of considerable environmental and biotechnological importance. These species are well suited for bioremediation due to their capacity for long-term survival in soil & their exceptional ability to degrade hydrophobic pollutants.Multi strain bacteria in **LIQUID-PS**"biologically disengage pollutant hydrogen sulphide into its' salts, which are not harmful to prawn growth. Reduction of pollution within the pond bottom decreases the biological oxygen demand within the pond ecosystem. Promotes the occurrence of nonpathogenic bacteria over pathogenic types.Control of pollution, secures aerobic conditions at the pond bottom, which results in vigorous growth of shrimp. Digest the unused organic substances including proteins, carbohydrates and lipids. Farmer is assured of a disease free, vastly enhanced shrimp growth rate.

Benefits:
- LIQUID-PS Reduces the pollution in water and pond bottom.
- LIQUID-PS Reduces the growth of the risky pathogenic micro-organisms in the pond and maintains a healthy Ecosystem
- LIQUID-PS Reduces the B.O.D and improves the harvest yield.
- LIQUID-PS ensures faster & better growth of shrimp and fish.
- LIQUID-PS is a very easily spreadable liquid.
- LIQUID-PS is effective in wide range of PH and salinity

Composition: Multi strain bacteria-3x10⁸ cfu / ml.

Dosage : Shrimp : 2 litre per acre (every week) Fish : 1 liter per acre (Once in 15 days)
(Or as advised by aqua culture consultant)

Presentation : 20 lts

Mfg & Mktd By
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Bio care
Since 2003

Product Catalog
2020-21 edition

Creating revolutionary trends in the world of Aqua Culture

Bio care's

W.S.P

WATER & SOIL PROBIOTICS

Bad Soil parameters like soil pH, Pond Bottom pollution, Bound Nutrients like Phosphorous in the soil, Presenceof Pollutants, Pathogens, obnoxious Gases like H_2S, Ammonia will affect the survival and growth of the inhabitant (Prawn & Fish).

Bad water parameters like pH, Salinity, Hardness, Supended Solids, Dissolved Solids, Turbidity, Algal Blooms,Heavy metalls, Pesticides, Lack of vailable N, P and K, Lack of available Minerals, Lack of D.O, Presence of Pollutants, Pathogens, presence of hazardous gases etc will hamper the growth and survival of the inhabitant.

In order to with stand the high stocking densities in Litopenaeus vannamei production (hatcheries and pondgrow-out) and related stress situations,directly fed probiotics and water medium probiotics are a promising solutionto have a sustained penaeus vannamei culture by improving survival rate, enhancing immunity, improving FCR andstimulation the body weight gain of the vannamei. W.S.P is a blend of probiotic formulation specially designed to maintain ahealthyenvironment in aquaculture pond. W.S.P contains natural and highly beneficial microorganisms well suited to the aquatic environment.The probiotics in WSP are selected based on their superior probiotic features and ability to biodegrade complex organic wastes and remove toxic contaminants from pond water during intensive aquaculture farming.W.S.P stabilizes water quality, improves pond bottom quality and supports the gut health of fish and shrimp, thereby improvingperformance and efficiency in production.Probiotics and enzymes present in W.S.P can effectively prevent pathogenic bacterial diseases. Thus W.S.P can result in reducing mortality and in giving the highest survival rate with the fastest growth rate.

BENEFITS :
- W.S.P Strains are adaptable to different pH and Salinity conditions.
- W.S.P Removes organic load of pond bottom and reduces the pollution of the pond.
- W.S.P Reduces ammonia levels.
- W.S.P Inhibits vibrio & other pathogenic bacteria and reduces bacterial toxins in the pond.
- W.S.P Ensures healthy environment for the Prawn, Fish & Shrimp by reducing BOD and increasing DO levels.
- W.S.P Improves water quality & Reduces the frequency of water exchange.
- W.S.P Reduces the mortality rate of Prawn, Fish & Shrimp.
- W.S.P Improves growth and health performance
- W.S.P Reduces pond bottom sludge.

Dosage :
500 gm per Hectare Or as directed by the Aqua culture consultant

Presentation : 500 gms.

Bio care's

VIB-C

VIBRIO CONTROL

Shrimp aquaculture industry is beset by disease, mostly due to bacteria (especially the luminous Vibrio harveyi) and viruses. Vibriosis is a bacterial disease responsible for mortality of cultured shrimp worldwide It is caused by gram-negative, motile, facultative anaerobic bacteria of the family Vibrionaceae.

It is ubiquitous throughout the world and all marine crustaceans, including shrimp, are susceptible. Vibrio species are the eminent microorganisms in the marine environment and usually constitute the majority in the normal micro flora of farmed and wild panaeid shrimp.

They become opportunistic pathogens when the natural defense mechanisms are suppressed. In intensive systems, shellfish species are often exposed to stressful conditions due to the high stocking density, leading to secondary vibriosis. Surveys undertaken on diseases caused by Vibrio spp. from culture ponds in India recorded the occurrence of five types of diseases: Tail necrosis, shell disease, red disease, loose shell syndrome (LSS), and white gut disease (WGD). Among these,LSS,WGD and red disease caused mass mortalities in shrimp culuture ponds.

BIOCARE introduces **VIB-C** which reduce sludge by Bioaugumentation and bring down the vibrio population by competitive mechanism. **VIB-C** is an unique combination of aerobic, micro aerophilic and anaerobic micro-organisms to maintain pond in an environmentally balanced condition at the same time compete with vibrio population by producing secondary metabolites such as by Bacillus subtilis and Bacillus polymyxa which are antibacterial.

The microbial cultures in **VIB-C** are adapted to produce enzymes like proteases cellulases lipases those degradies the organic matter. Simultaneously the bacterial cultures in **VIB-C** involve in natural nitrification process which converts harmful nitrates and ammonia into nitrites.

Advantages :
- The microorganisms in **VIB-C** compete in growth with Vibrio sp., bringing down Vibrio population due to competitive exclusion.
- **VIB-C** with its specific, non-pathogenic, beneficial microorganisms continuously bio-degrade variety of the accumulated organic load at the pond bottom.
- **VIB-C** Removes the organic load through a continuous mineralization process in a systematic way and release nutrients into the pond environment.
- **VIB-C** also keep the pond clean by digesting organic matter and reducing H_2S, $NH_3$and other toxic materials.
- **VIB-C** Inhibits sludge formation at the pond bottom.
- **VIB-C** reduces accumulation of organic load and noxious gases
- **VIB-C** eradicates vibrio species by competitive exclusion
- **VIB-C** optimizes blooming status and improves pond ecology
- **VIB-C** increases shrimp's resistance
- **VIB-C** helps farmer to maintain pond quality

Dosage :
500 gm per acre Or as directed by the Aqua culture consultant

Presentation : 500 gms.

Bio care's

GUT PRO

GROWTH PROMOTER

GUT-PRO is a blend of selective strains of microbes isolated from the healthy stock of Shrimp.
GUT-PRO ensures the need of modern day consumers for sustainability, safety of farmed products. This 100% natural, bio degradable, non-antibiotic growth promoter complies the best management practice being implemented worldwide.

BENFITS :

GUT-PRO improves gut function & keeps the gut healthy by implanting beneficial bacteria in the gut and prevents white Gut disease.

GUT-PRO prevents & controls the growth of pathogenic bacteria and protects against pathogens like clostridia, E.Coli, Salmonella and vibrio species.

GUT-PRO increases Feed Conversion Rate (FCR) and survival of PIs.

GUT-PRO strengthens host defense mechanism by immune modulatory effect.

DOSAGE :
3 to 5 gm per Kg. Feed. Or as directed by the Aqua culture consultant

Presentation : 500 gms.

Bio care's

A.M.C

AMMONIA CONTROLER

BENEFITS :
- Removes obnoxious gases, and detoxify the pond
- Lowers ammonia and Nitrites levels in the pond
- Inhibits the enzymes urease to form ammonia in the pond
- Binds noxious gases and reduces the odour in the pond
- Stimulates growth of the benficial bacteria in the pond
- Reduces mortality of the aquatic animals
- Promotes healthy aquatic environment

Composition :
Blend of probiotic, enzymes, silicate with Yucca schidigera

Dosages :
500 gm per acre Or as directed by the Aqua culture consultant

Mode of application :
Mix either with zeolite 5 kg or 5 lts of water and broadcast over the pond or asrecommended by the aqua consultant

Presentation : 500 gms.

Bio care's

GUT ACTIV

GROWTH PROMOTER

The Powerful spore –forming bacteria in GUTACTIV acidify the gut of the shrimp/prawn and prevent the growth of pathogens like clostridia, Streptococcd, E.coli, Salmonella and Vibrio species, thereby preventing occurrence of major diseases. These bacteria are also capable of releasing enzymes like Amylase, Phytase, Protease and Lipase in substantial quantities along with B group of Vitamins.

COMPOSITION :GUT ACTIV is the best combination of probiotics with natural mineral rich source, Vitamin C and an innovative combination of beneficial micro-organisms and enzymes.

ADVANTAGES :

Control white gut decease Higher feed consumption rate with better FCR.
Faster growth rate and weight gain.
Improves efficiency of the digestive system.
Significant reduction in medical costs.
Considerable increase in yields.
Better absorption & synthesis of minerals, trace elements & nutrients.
Phosphorus supplementation checks the loose shell problem.
Protease improves the digestion of complex proteinaceous material.
Enhances the body's ability to resist stress and the attacks of pathogens.
Phytase converts the phytates (present in the feed) into available phosphorus.

DOSAGE :
5 to 10 gms Kg. Feed.

Presentation : 250 gms.

Manufacturers and BulkSuppliers of Aquaculture Chemicals & Feed Supplements

- W.S.P — WATER & SOIL PROBIOTICS
- VIB-C — vibrio control
- GUT PRO — growth promoter
- GUT -ACTIV — control white gut disease
- LIQUID PS — liquid probiotics - water & soil
- A.M.C — ammonia controler
- VIB-CON'S — Broad Spectrum Bactericide and Virucide Control
- EDTA — chelavation value: 330
- VIT-C — feed supplement
- OXY-TAB — oxygen tablets
- RYKER — fish lice medicine
- ZEOLITE — powder form/granules form
- BIO MIN FORTE — Water Minerals
- PROTEIN GEL — Feed Supplement
- FUNGAL CARE — Powerful Fungicide cum protozoacide and Zoothmnicide
- CALCIUM PEROXIDE — powder form
- MAGNESIUM CHLORIDE — commercial grade / lab grade
- CALCIUM CHLORIDE — commercial grade / lab grade
- POTASSIUM CHLORIDE — commercial grade / lab grade
- MAGNESIUM SULPHATE — commercial grade / lab grade
- POTASSIUM PERMANGANATE — crystals
- SODIUM PERCARBONATE — Granules

Mfg & Mktd By
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Bio care
Since 2003