

Our Scientific and R&D Innovative Solutions For Sustainable Aqua Culture Practices

India's top quality Aqua culture Inputs



APPLE BIO TECHNOLOGIES



An ISO Certified Company



GMP Certified Company



HACCP Certified Company

DE-NITRATE

Active Nitrosomonas and Nitrobacter species to Curb NH₄ & NO₂



PRESENTATION: 5Ltr.

COMPOSITION:

Nitrosomonas and Nitrobacter species

BENEFITS:

- DE-NITRATE promotes the decomposition of the undesirable Organic substances in pond water and improves healthy ecological environment of aquaculture by minimizing the toxic gases like ammonia, nitrite, etc.
- DE-NITRATE increases dissolved oxygen concentration by efficient removal of detritus materials and maximize primary culture productivity.
- DE-NITRATE improves the animal survival rate and productivity.

DOSAGE:

Shrimp/Prawn: 1-2 L/Acre. Under severe condition apply 2.5L/Acre
Fish: 1L/Acre
(Or) as Advised by Qualified Aquaculture Practitioner.

CALMIN MAG90

The most essential minerals for shrimp and vannamei culture



PRESENTATION: 20Kg.

COMPOSITION:

Magnesium
Calcium.

BENEFITS:

A mineral product designed especially for shrimp and fish ponds. CALMIN MAG90 brand contains an optimal mix of soluble and Bio available macro minerals and trace minerals to meet the mineral requirements of aquaculture farms and improve yield.

Use Cases of CALMIN MAG90

- It is necessary to maintain a healthy fish population in the pond.
- Rich in essential minerals CALMIN MAG90 keeps the fish's performance and health in the pond at optimal levels.
- CALMIN MAG90 provides a much-needed boost to the health of the fish by fulfilling their mineral requirement.
- Essential minerals are vital to keeping the metabolism and increasing the fish's survival rate.
- CALMIN MAG90 is loaded with the macro and trace minerals to improve feed efficiency and weight gain.

DOSAGE:

Pond preparation: Apply 20kg/acre

During culture:

Mouling period : 3-5kg/1000m²in 1 meter depth
Solves Cramp muscle and soft shell : 5-8kg/1000m²in 1 meter depth
Maintains plankton : 4-6kg/1000m²in 1 meter depth

(or) as Advised by Qualified Aquaculture Practitioner.

CITRA CARE PLUS

Unique combination of Herbal extracts
Organic acid of vitamin C for white Faecal disease in shrimp



PRESENTATION: 500gms.

COMPOSITION:

Ascorbic Acid

BENEFITS:

- Vitamin C is required by shrimp for proper collagen formation and wound repair. Severe deficiency can result in "Black Death" syndrome, which is characterized by black melanized lesions.
- Vitamin C is essential in prawn and shrimp for disease resistance, rapid growth, high survival and moulting.
- Vitamin C increases intestinal absorption of iron from plant-based foods.
- Vitamin C enhances immune response.
- Vitamin C helps synthesize carnitine, adrenaline, epinephrine, the neurotransmitter serotonin, the thyroid hormone thyroxine, bile acids, and steroid hormones.
- Vitamin C regulates the moult phase and helps in quick formation of exoskeleton in shrimps.

DOSAGE:

Shrimp/Fish : 3-5 grams/kg of feed usage 2-3 days per week
(or) as Advised by Qualified Aquaculture Practitioner.

EDTA

An Effective Molecule to Control Hardness & Heavy metal Toxicity



PRESENTATION: 1Kg.

CONTAINS:

Ethylene Diamine Tetra Acetic Acid

BENEFITS:

- EDTA eliminates heavy metal toxicity and effectively reduces hard shell problems.
- EDTA stimulates and improves their healthy moulting cycles.
- EDTA works effectively at all kind of water salinities and reduces the animal stress.
- EDTA softens the water through the normalizing water alkalinity and hardness.
- EDTA reduces heavy metal pollution such as Cu, Fe, Hg & etc., and creates favourable toxic free environment for the growth of cultured animals.

DOSAGE:

Shrimp/Prawn: 2 Kg/Acre
Fish: 1 Kg/Acre (or) as Advised by Qualified Aquaculture Practitioner.

ENVIRON-DS

High C.E.C.Zeolite and Toxin Binder for feed



PRESENTATION: 25Kg.

COMPOSITION: Zeolite

BENEFITS:

- Maintain alkalinity of pond water.
- Environ-DS cleans pond bottom, absorbs Bacteria, Suspended solids and waste dirty matter.
- Environ-DS improves water quality, absorbs H₂S, NH₃ other toxic gases from water.
- Environ-DS increase D.O. level.
- Zeolites are porous minerals with high absorbency and ion-exchange capacity. They have a microporous network composition consisting of tetrahedral of Al₂O₃ and SiO₄ joined by shared oxygen ions. It absorbs ammonia from decaying organic matter and feeds it to phytoplankton thus, it reduces the hazards of ammonia to fish.

DOSAGE :

Shrimp/Prawns:12-15 kg/Acre
Fish: For Fish Culture pond preparation 50Kg/ Acre.
During Culture 10-15 Kgs/ Acre (or) as as Advised by Qualified Aquaculture Practitioner.

PRO-CURE

A Versatile Cleaning Microbial Disinfectanting Agent



PRESENTATION:1Ltr,5Ltr & 20Ltr.

CONTAINS:

Benzalkonium Chloride
Glutaraldehyde solution
Propylgallate
Butylated hydroxyanisole

BENEFITS:

- To control pathogenic bacteria, protozoa and Fungal diseases in the fish/shrimp cultures.
- Powerful disinfectant.
- Controls various diseases against fish / shrimp.
- Highly effective on gram negative bacteria & bacterial Endospores.
- Higher efficacy lesser dose.
- Long lasting efficacy.

DOSAGE :

for Fish culture / Shrimp: 500ml to 1ltr /acre/1 metr water depth (or) as Advised by Qualified Aquaculture Practitioner.

ENVIRON-PS

Powerful water treatment Probiotics for Aquaculture



PRESENTATION: 5Ltr & 25Ltr.

COMPOSITION :

Rhodococcus species
Rhodobacter species
Rhodospseudomonas species

BENEFITS:

- High bacterial count 4x10⁸ cfu / ml. Contains beneficial group of Eco friendly bacterial group.
- Enhances the level of D.O. in the water. Decomposes and decreases the ammonia and H₂S in the water column and in soil. Controls the pathogenic bacteria in the pond water and prevent the occurrence of diseases

METHOD OF APPLICATION :

Mix required quantity of Environ PS with sand or Zeolite broadcast all over the pond.

DOSAGE :

For fish culture apply 2-5 ltr / Hectore depends on the pond condition (or) as Advised by Qualified Aquaculture Practitioner.

ARGVNL

Cypermethrin- High Cis Emulsifiable concentrate



PRESENTATION: 500 ml & 1Ltr.

COMPOSITION : CIP-GAURD contains Cypermethrin - High CIS - EC 10%. Organic Pyrethroid along with uniquely formulated polymers & other additives.

BENEFITS:

- Effective against Argulus, Lernaea & other fish parasite.
- Low dose, less toxic to fish.
- Effective against Argulus Juveniles.
- No Effect on phytoplankton.
- No Effect on phytoplankton.

DOSAGE : Fish Culture : 100 ml / acre/ 1-1.5 meter water depth Apply 2 times in 7 days interval or as per Aquaculture consultant.

PRECAUTION : Toxic if swallowed. Harmful in contact with skin & eyes. Use gloves & mask during application.

STORAGE : Keep in cool & dry place out of reach of children.

FERMI YEAST
Live Yeast culture



PRESENTATION: 500gms.

COMPOSITION:
saccharomyces cerevisiae, Rice bran, Molasis

- BENEFITS:**
- Supplementing yeast culture in low fishmeal diets improves growth performance and immune response of shrimps. Yeast culture supplementation in diets positively influenced intestinal health of shrimps.
 - FERMI YEAST is a novel probiotic formulation of Yeast. to provide improved performance of commercially important aquaculture species in aquaculture ponds.
- As Feed Supplement:**
- Improved feed conversion.
 - Enhanced survival rate.
 - Reduction in feed cost.
 - Reduced duration of the cycle to achieve target weight.
 - Increased average weight and corresponding market value.
- For Pond Application:**
- Improved pond conditions with good plankton and beneficial bacterial density.
 - Reduced water exchange.

USAGE:
5-10 grams/kg of feed(or) as Advised by Qualified Aquaculture Practitioner.

LACTOZYME
Gut probiotics and growth promoter



PRESENTATION: 500gms.

COMPOSITION:
Lactobacillus Species, Protease, Lipase, Hemicellulose, Amylase, Phyltase and Xylase, Vitamin A, Vitamin D, Vitamin C, B-glucans and Selenium

Lactozyme is a natural, scientifically selected multi strain probiotic feed supplement with the added Enzymes, vitamins, B-glucans and Selenium. Its producing under high quality control conditions.

- BENEFITS:**
- LACTOZYME Reduce the adverse effects of pathogens by producing antibiotic like Acidolin, Acidophil and Lactin in the stomach and intestines of Shrimp and fish.
 - LACTOZYME Synthesizes B-complex vitamins such as Biotin, Thiamine, Riboflavin, Nicotinic acid, Vitamin B-12 and also Vitamin K, which are absorbed by the host for body requirements.
 - LACTOZYME Improves gut conditions by establishing required beneficial flora.

DOSAGE:
Shrimp/Prawns: 5-10 gram/kg feed.
Fish: 2gram/kg feed.(or) as Advised by Qualified Aquaculture Practitioner.

IDOPOWER
Trusted Idophor for Aqua Culture



PRESENTATION: 1 Kg,

CONTAINS:
Stable iodine
Antioxidants

IDOPOWER is a unique formula to control pathogenic microbes such as Virus, Bacteria, Fungus and Protozoa are of aquaculture ponds and it works effectively at all physical and Biochemical Conditions.

- BENEFITS:**
- It shows an effective bactericidal, fungicidal, virucidal and sporicidal and antiprotozoal activity in pond water.
 - It directly reacts with the microbial DNA and kills or controls the pathogenic microorganisms.
 - It is a good solution for to treat antennal cuts, gill rot, black gills, brown gills, red gills, black spots, tail rot, broken legs, swollen gills, necrosis in prawn and shrimp.
 - It is also shows powerful disinfectant activity against all pathogenic microbes and reduces the pathogenic microbial load in pond water.
 - It helps animals to relieve from biological stress and speed the growth under unfavorable conditions.

DOSAGE:
For Bacterial, Viral and Fungal: Apply 200 ml to 250 ml per Acre/meter water depth.
For Protozoan: Apply 200 ml to 250 ml per acre/foot water depth.
(or) as Advised by Qualified Aquaculture Practitioner.

MOULTISTIM-80
Unique Sanitizer



PRESENTATION: 1Ltr&5Ltr.

COMPOSITION:
Alkyl Dimethyl Benzyl Ammonium Chloride (N-alkyl ethylbenzyl dimethyl ammonium)-80%, Stabilisers 6%.

- BENEFITS:**
- Controls fungal, bacterial, protozoan diseases and external parasites infestation in fish/shrimp.
 - Proven efficiency in both hatchery and grow-out pond.
 - Does not cause any stress to fish/shrimp.
 - Does not cause any algal crash on application.
 - Resistant to temperature changes.

DOSAGE:
Shrimp/Prawn: 1-2 L/Acre. Under severe condition apply 2.5L/Acre
Fish: 1L/Acre
(or) as Advised by Qualified Aquaculture Practitioner.

OTM FORTE
Superior Organic Minerals for
Vannamei Culture & Chelated
Mineral Proteinates with Vitamin C



PRESENTATION: 1Kg & 5Kg

COMPOSITION :
Organic Minerals, Vitamin C

- BENEFITS:**
- Prevents soft shell Problem especially in fresh water or low salinity shrimp farming Improves moulting in shrimp and Prevent soft shell.
 - Increases efficiency in digesting and absorbing in the gut system of shrimp with mineral chelates (Metal Proteinates).
 - Improves shrimp growth, benefit feed conversion ratio and growth rates.
 - Enhance immunity of shrimp/ vannamie, reduce the rate of infection resulting in reducing slow growth problems and increases of survival rate.

DOSAGE:
Dosage/ Method of application : 5-10 grams per 1Kg of feed (or) as Advised by Qualified Aquaculture Practitioner

OXY BOON
Oxygen Releaser



PRESENTATION: 1Kg.

COMPOSITION:
Calcium peroxide
Sodium Percarbonate (Na2H3CO6)
Sodium perborate

- BENEFITS:**
- OXY BOON is a stabilized, solid source of active oxygen content and it releases nascent oxygen for hours even at elevated temperatures also.
 - OXY BOON improves the water condition through the elimination of hardness, ammonia, poisonous gases (Co2, H2s, So2 and CH4) from pond.
 - OXY BOON reduces the animal stress and improves the animal survival and growth rate by providing sufficient oxygen levels in pond water.
 - OXY BOON helps to grow the beneficial microorganisms, phyto and zooplanktons in pond.

DOSAGE:
Pond Application
Shrimp/Prawn: 1KG/Acre
Fish: 500 G/Acre
(Or) as Advised by Qualified Aquaculture Practitioner.

REAL BIND
Feed Attractant & Quality Binder
Fortified with Proteins & Vitamins



PRESENTATION: 20Ltr.

COMPOSITION :

Enhanced with protein based feed attractants and liver extracted. Enhanced with protein based feed attractants and liver extracted.

BENEFITS:

- Real Bind is good binding Agent, Helps to extend Leaching Period of the pellet in water.
- Real Bind binds all powder form Medicines, Probiotics & other feed supplements.

USAGE:

Take a proportional quantity of Real Bind based on feed pellet/particle size. Mix the gel & powdery feed additives to the Feed Uniformly. Dry the Gel Coated Feed in shade and broadcasted in to the ponds on the same day.

SOIL BACT
Powerful Water & Soil Probiotics
for Aqua Culture



PRESENTATION: 500gms.

Contains (10 Billion CFU/G)

Alcaligenes faecalis
Bacillus species
Cellulomonas species
Micrococcus species
Nitrosomonas species
Nitrobacter species
Paracoccus species
Pediococcus species
Pseudomonas species

BENEFITS:

- It enhances the growth of useful live feed biomass such as phytoplanktons (Chaetoceros spp.) and zooplanktons (Rotifers, brine shrimp) through the mineral and nutrients recycling process.
- The species of soil and water probiotic develops the BIOFLOC in pond water via mineralization, secretion of vitamins, proteins, metabolites and enzymes from unused feed, animal excreta, dead animals, planktons and from other bottom wastage.

DOSAGE & SCHEDULE:

Dosage/Acre/Week	Culture Period	Animal Density &
250 G	Before Stocking	1Lakh Ft.
400 G	10 to 20th day	1Lakh Ft.
750 G	21 to 40th day	1Lakh Ft.
1500 G	41 to 90th day	1Lakh Ft.
1500 G	91 to 120th day	1Lakh Ft.

Fish:

250 gm /acre/week (OR) as Advised by Qualified Aquaculture Practitioner.

STARMIN
Trusted Idophor for Aqua Culture



PRESENTATION: 20Kg.

COMPOSITION:

Calcium
Magnesium
Sodium
Iron
Phosphorus
Potassium
Iodine.

BENEFITS:

- Prevents Vitamin & Mineral Deficiency.
- Gives Quick Relief From The Stress Caused Due to Transportation/shifting
- Climatic Disturbances and other Stress Factors.
- Reduce Mortality Ratio.
- Enhances Body Weight & Growth.
- Helps to Give Better FCR.
- Calcium & Magnesium (Ca& Mg) improve the survival rate of shrimps in aquaculture farms.
- Help to develop immune response and defense mechanism.

USAGE FOR VANNAMEI:

Apply starmin 10-20 kgs/acre.
Spread all over the culture pond every 5-7 days.

For fish: 5-10kg/acre
(or) as Advised by Qualified Aquaculture Practitioner.

YUCCA XL-50
Deodorase



PRESENTATION: 500gms.

COMPOSITION

Yucca Schidigera

Yucca XL-50 is an powerful Deodorase and it is natural product, contains extract of Schidigera plant and its ability to bind gases like Ammonia & H₂S. It also contains beneficial bacteria with enzymes to break down the sludge formation in the Aqua Culture farm.

BENEFITS:

- Absorbs Toxic gases like Ammonia H₂S & Nitrite gases.
- Reduce B.O.D. & C.O.D. and thereby improve water quality.
- Facilitates moulting
- Improves survival rate

DOSAGE:

500 gms to 1 kg per acre 2 feet water depth (OR) as Advised by Qualified Aquaculture Practitioner.

YUCCA XL-50 (Liquid)
Deodorase



PRESENTATION: 500ml.

COMPOSITION:

Yucca Schidigera

Yucca XL-50 is an powerful Deodorase and it is natural product, contains extract of Schidigera plant and its ability to bind gases like Ammonia & H₂S. It also contains beneficial bacteria with enzymes to break down the sludge formation in the Aqua Culture farm.

BENEFITS:

- Absorbs Toxic gases like Ammonia H₂S & Nitrite gases.
- Reduce B.O.D. & C.O.D. and thereby improve water quality.
- Facilitates moulting
- Improves survival rate

DOSAGE:

500 ml to 1L per acre:(OR) as Advised by Qualified Aquaculture Practitioner.

ZEO-GOLD
GRANULAR ZEOLITE



PRESENTATION: 25Kg.

CONTAINS:

Geolite Granules
Natural absorbents & toxin binders

Zeolites are microporous crystalline hydrated alumina-silicates, which have found various applications because of their very unique physicochemical characteristics such as ion exchange and adsorption-desorption properties. Application of zeolite granules purify the pond water through selective capturing of ammonia and toxic heavy metals and also enhances animal growth and promote their health and nutritional parameters.

BENEFITS:

- STONNER effectively detoxifies hydrogen sulphide and ammonia.
- STONNER eliminates malodour from the pond as well as off-flavor.
- STONNER reduces the animal stress and Increases survival rate of prawns through purification of pond water.

DOSAGE:

Shrimp/Prawn: 12-15 Kg/Acre
Fish: 10 Kg/Acre (OR) as Advised by Qualified Aquaculture Practitioner.



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