

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/1000m<sup>2</sup> in 1 meter depth  
Solves Cramp muscle and soft shell : 5-8kg/1000m<sup>2</sup> in 1 meter depth  
Maintains plankton : 4-6kg/1000m<sup>2</sup> in 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 in 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 H<sub>2</sub>S, NH<sub>3</sub> 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 Al<sub>2</sub>O<sub>3</sub> and SiO<sub>4</sub> 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.

### PROTECTOR

A Versatile Cleaning Microbial Disinfectant 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/1meter 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 4x10<sup>9</sup> 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 H<sub>2</sub>S 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.

### ARGVNIL

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.



### 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 &
250g	Before Stocking	1500lb Ft.
250g	15 to 30th day	1500lb Ft.
250g	31 to 60th day	1500lb Ft.
250g	61 to 90th day	1500lb Ft.
250g	91 to 120th day	1500lb Ft.

#### Fish:

250 gm /acre/week (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.

### 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, Phytase and Xylase, Vitamin A, Vitamin D, Vitamin C, B-glucans and Selenium

Lactozyyme 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 Iodophor 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/ vannamei, 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 (Na<sub>2</sub>H<sub>3</sub>CO<sub>6</sub>)  
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 (CO<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub> and CH<sub>4</sub>) 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.

### STARMIN

Trusted Idophor for Aqua Culture

#### 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.



PRESENTATION: 20Kg.

### YUCCA XL-50

Deodorase

#### COMPOSITION

Yucca Schidigera

Yucca XL-50 is a powerful Deodorase and it is a natural product, contains extract of Schidigera plant and its ability to bind gases like Ammonia & H<sub>2</sub>S. It also contains beneficial bacteria with enzymes to break down the sludge formation in the Aqua Culture farm.

#### BENEFITS:

- > Absorbs Toxic gases like Ammonia H<sub>2</sub>S & 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.



PRESENTATION: 500gms.

### YUCCA XL-50 (Liquid)

Deodorase

#### COMPOSITION:

Yucca Schidigera

Yucca XL-50 is a powerful Deodorase and it is a natural product, contains extract of Schidigera plant and its ability to bind gases like Ammonia & H<sub>2</sub>S. It also contains beneficial bacteria with enzymes to break down the sludge formation in the Aqua Culture farm.

#### BENEFITS:

- > Absorbs Toxic gases like Ammonia H<sub>2</sub>S & 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.



PRESENTATION: 500ml.

### ZEO-GOLD

GRANULAR ZEOLITE

#### 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.



PRESENTATION: 25Kg.

Soil & Water probiotics

Growth Promoters

Gut health probiotics

Feed Binders

Mineral Supplements

Bottom Conditioners

Immuno Stimulants

Disease Controllers

Ammonia Controllers



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