

✉  
premix@rits.co

☎  
+91 6359422555

✉  
info@rits.co

☎  
+91 7874144144

📍  
81-84, Jay Maa Kali Estate, Olpad-Sayan Road,  
Surat-394540, Gujarat, India.

**Disclaimer**

This brochure does not constitute a recommendation or guidance for decisions concerning the purchase, use or application of products and does not relieve the user of the product of the obligation to undertake its own suitability, performance or quality testing.

All trademarks, product names, symbols and graphics appearing in this brochure are the property of RITS unless indicated otherwise. All RITS trademarks are either registered trademarks in the INDIA and/or other countries. No license to or right in any such trademarks, trade names, trade secrets, products or other proprietary rights of RITS is granted or conferred to any party without a written agreement.

Brochure update by Oct. 2022



*"Innovation always impacts"*



Premix for  
**AQUA FEEDS**  
Enhancing life of  
**WATER**

RITS LIFESCIENCES PVT LTD is manufacturing high - quality and innovative aqua feed supplements for every need of shripms growth and development.

We have range of research based combinations of vitamins, minerals, amino acids, probiotics, prebiotics and enzymes.

Developing innovative and research based products is our expertise.

We have customers globally as we are serving for national as well as for international customers.

Our certifications



**We are known best for our customized and research based products which is formulated to ensure needs of shripms and fishes, for better growth rate and development.**

# IT'S MORE THEN SCIENCE





**We are turning our science and INNOVATION toward sustainable solutions for aqua species.**

**Expertise and specialities has to be well directed to their path so as to utilize the skills at the maximum and Excellency should be the Outcome.**

**Man, Machine, Money and Time are precious lets optimize them**

**Use premix Make it Easy!!**



## Range of our products

Aqua mineral blend (liquid)

---

Aqua Vitamin blend (liquid)

---

Aqua health solution

---

Probiotic premix

---

Premix for overall health of pond water

---

Premix for exoskeleton development

---

Premix for gut health

---

Premix for muscle function

Probiotics and enzyme combinations

---

Antibacterial premix

---

Premix for reducing mortality rate

---

Premix for ionic balance

---

Premix for osmoregulation

---

Premix for improved water quality

---

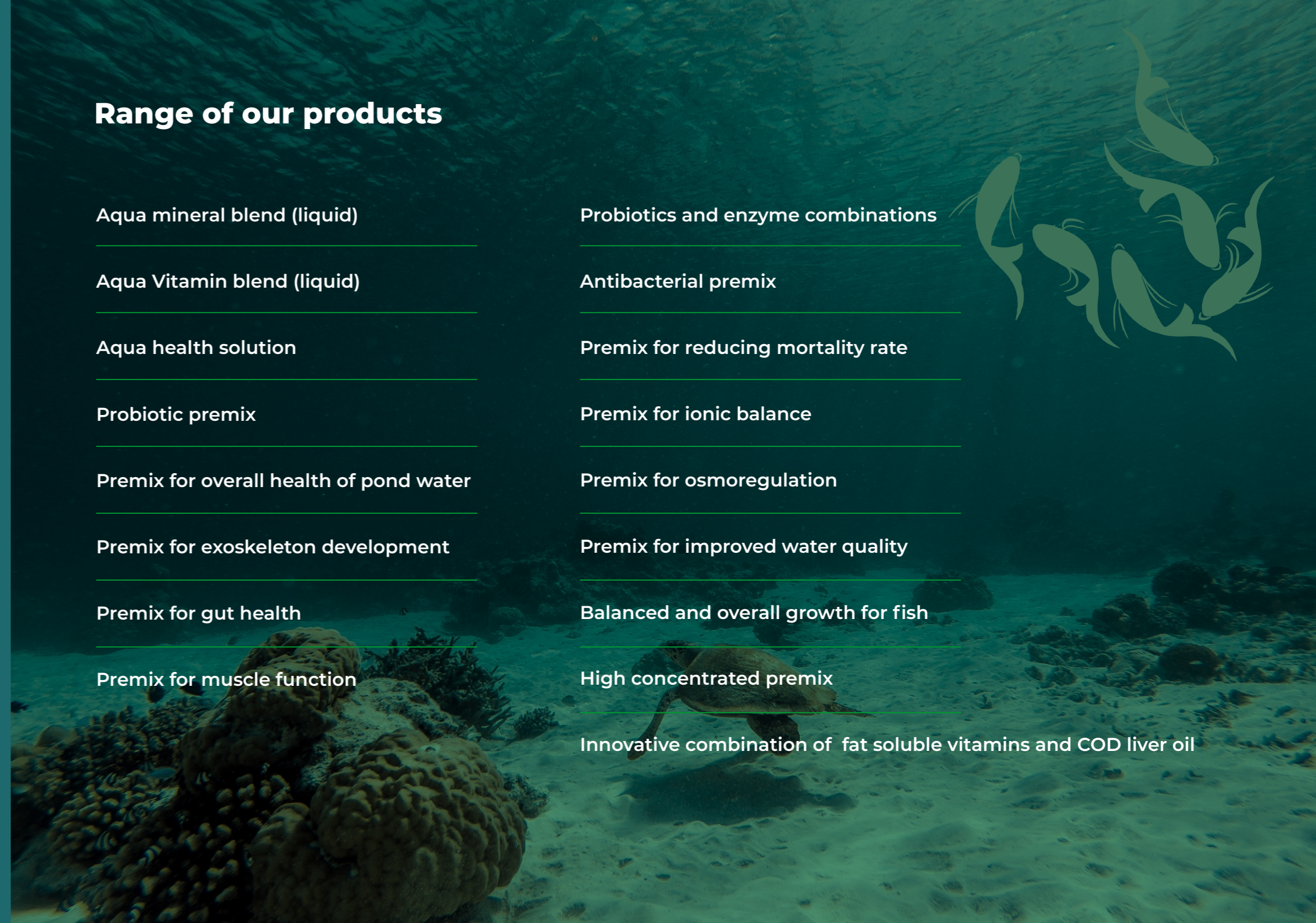
Balanced and overall growth for fish

---

High concentrated premix

---

Innovative combination of fat soluble vitamins and COD liver oil



# RITSLIFE

GRANULES

## COMPOSITION :

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	Mn	P
58-62%	18-20%	2-3%	15-16%	2-5%	1-2%	0.45%	0.03%	0.015%

with Activated Charcoal and Yucca schidigera

## BENEFITS :

- Absorbs ammonia, hydrogen sulphide and other toxic gases and suspended organic solids in the pond water.
- Helps in better growth and reproduction of plankton and has highest Cation Exchange Capacity (CEC).
- Improves Dissolved Oxygen (D.O.) content in the pond and regulates the pH of the water.
- Improves pond water quality and maintains a pollution free ecosystem.

## USAGE :

Pond Application :

- Prawn/Shrimp : 15-20 kg per acre
- Fish : 10-15 kg per acre

Or as advised by the qualified Aquaculture Practitioner

Packing : 25 kg

# RITSMIN

Water Dispersable Micro & Macro Minerals, Amino Acids and Multivitamins

## COMPOSITION :

### Micro & Macro Minerals :

Potassium, Magnesium, Phosphorus, Calcium, Iron, Sodium, Zinc, Sulphur, Cobalt, Copper, Iodine, Manganese, Molybdenum, Selenium enriched with Amino Acids & Multivitamins, and Antioxidants

## BENEFITS :

- Enhances the natural molting, new shell formation and shrimp growth.
- Balance the ratio of essential minerals in pond water.
- Regularize the osmoregulation process.
- Helps to grow planktons and useful micro elements for fish and shrimps.
- Maximize production and optimize food conversion ratio (FCR).
- Develops immunity to fight against the harmful pathogens of shrimp.

## USAGE SCHEDULE

Shrimp	Dosage	5 kg per acre
	Schedule	Every 10 days
Fish	Dosage	3 kg per acre
	Schedule	Every 20 days

Increase the dose when the days of culture and / or the density is high.

Or as advised by the Aquaculture Consultant

Packing : 10 kg

## LIST OF PROBIOTIC STRAINS

### BACTERIA

#### Bacillus species

- *Bacillus subtilis*
- *Bacillus pumilus*
- *Bacillus polymyxa*
- *Bacillus clausii*
- *Bacillus coagulans*
- *Bacillus licheniformis*
- *Bacillus megaterium*
- *Bacillus mesentericus*
- *Bacillus amyloliquefaciens*
- *Bacillus cereus*
- *Bacillus circulans*
- *Bacillus firmus*
- *Bacillus macerans*
- *Bacillus mucilogensis*
- *Bacillus thuringiensis (BTK)*

#### Bifidobacterium Species

- *Bifidobacterium bifidum*
- *Bifidobacterium breve*
- *Bifidobacterium infantis*
- *Bifidobacterium longum*

#### Cellulomonas species

- *Cellulomonas cartae*
- *Cellulomonas gelida*
- *Cellulomonas uda*

- *Citrobacter freundii*
  - *Clostridium butyricum*
  - *Enterococcus faecium*
- #### Lactobacillus species
- *Lactobacillus acidophilus*
  - *Lactobacillus brevis*
  - *Lactobacillus bulgaricus*
  - *Lactobacillus casei*
  - *Lactobacillus delbrueckii*
  - *Lactobacillus fermentum*
  - *Lactobacillus halveticus*
  - *Lactococcus lactis*
  - *Lactobacillus plantarum*
  - *Lactobacillus reuteri*
  - *Lactobacillus rhamnosus*
  - *Lactobacillus sporogenes*

#### Nitrobacter species

- *Nitrobacter winogradskyi*
- *Nitrococcus Sp.*
- *Nitrosomonas eutropha*
- *Nitrosococcus Sp.*
- *Paracoccus pantotrophus*
- *Pediococcus species*
- *Pediococcus acidilactici*
- *Pediococcus cerevisiae*
- *Pediococcus pentosaceus*

## LIST OF PROBIOTIC STRAINS

### BACTERIA

#### Pseudomonas species

- *Pseudomonas denitrificans*
- *Pseudomonas fluorescens*
- *Pseudomonas putida*

#### Rhodo species

- *Rhodobacter capsulatus*
- *Rhodobacter sphaeroides*
- *Rhodobacter sp.*
- *Rhodococcus erythropolis*
- *Rhodococcus terrae*
- *Rhodococcus sp.*
- *Rhodopseudomonas palustris*
- *Rhodospirillum rubrum*

#### Streptococcus species

- *streptococcus faecalis*
- *Streptococcus thermophilus*

#### Thiobacillus species

- *Thiobacillus ferrooxidans*
- *Thiobacillus thiooxidans*

#### Acetobacter species

- *Acetobacter aceti*
- *Acetobacter diazotrophicus*
- *Acidithiobacillus ferrooxidans*
- *Alcaligenes faecalis*
- *Azospirillum lipoferum*

### YEAST

- *Saccharomyces cerevisiae*
- *Saccharomyces boulardii*

Stable and bio-available Vitamin C, Vitamin E,  
Organic Selenium and select Probiotic Strains

# RITS PLUS

Enhances Immunity and Growth

## COMPOSITION :

Vitamin C as L-Ascorbyl 2-Poly Phosphate, Vitamin E,  
Organic Selenium and select Probiotic Strains

## BENEFITS :

- Improves disease resistance and immunity.
- Keeps the gut microflora healthy and eliminates the competitive pathogens from the gut.
- Plays major role in the collective tissue (collagen) formation.
- Promotes wound healing, tissue repair, chitin metabolism, shell formation and increases resistance to infection.
- Improves survival rate.
- Improves good quality of flesh.
- Improves the feed conversion ratio (FCR).

## USAGE :

Shrimps / Prawns :

Regular Use : 3 to 5 gm per kg of feed.

Stress Condition : 5 to 8 gm per kg of feed.

Fish : 1 gm per kg of feed.

Or as advised by the qualified Aquaculture Practitioner.

An Innovative Vitamin C for Aquaculture

# RITS-C

Vitamin 'C' as Ascorbyl poly phosphate

## COMPOSITION :

L-Ascorbyl 2-Poly Phosphate

## BENEFITS :

- Improves disease resistance and immunity.
- Increases appetite and feed intake, absorption and better utilization of feed and gains fast growth.
- Plays major role in the collective tissue (collagen) formation.
- Promotes wound healing, tissue repair, chitin metabolism, shell formation and increases resistance to infection.
- Improves survival rate.
- Stable and bio-available Vitamin C.
- Improves good quality of flesh.
- Improves the feed conversion ratio (FCR).

## USAGE :

Shrimps / Prawns : Regular Dose: 2.0 to 3.0 g per kg of feed.

Stress Dose : 3.0 to 5.0 g per kg of feed.

Fish : 2.0 g per kg of feed.

Or as advised by the qualified Aquaculture Practitioner.

# RITSGUT

Excellent Gut Probiotics, Enzymes and Multivitamins for Complete Digestion

## COMPOSITION :

**Probiotics:** *Bacillus subtilis, Bacillus licheniformis Bacillus mesentericus, Bifidobacterium bifidum, Clostridium butyricum, Lactobacillus, acidophilus, Lactobacillus casei, Streptococcus thermophilus, Lactobacillus plantarum, Streptococcus faecium, Streptococcus faecalis, Saccharomyces boulardii*

**Vitamins:** Vitamin C, Vitamin K<sub>3</sub>, Vitamin E, Thiamine, Folic Acid, Niacin, Folic Acid, Cal-D-Pantothenate, Riboflavin, Antioxidants +

**Enzymes:** Amylase, Cellulase, Protease, Lipase, Phytase, Xylase.

## BENEFITS :

- Enhances animals' immune system to overcome the stress, disease and the side effects of anti-nutritional disorders.
- Improves maximum absorption of the vital nutrients from the feed by normalizing the gut permeability. • Enhances the Healthy Bacteria in the intestine. • Accelerates the acid resistance to competing against unhealthy bacteria. • Immensely effective at modulating the immune system. • Improving digestive system to keep gut healthy.
- Increases the good effect as immune stimulant. • Enhances the intake of FE (Feed Efficiency). • Conquers the stress, depression levels & side effects of malnutrition disorders.
- Improves FCR and promotes the fast growth and Excellent yield in minimal period.
- Multi vitamins & enzymes play Vital role in decreasing the disease incidence, Regulates the moult phase in shrimps by the strong Exoskeleton.
- Effective control of Pathogenic Vibrio spp.

USAGE SCHEDULE	
PRAWN / SHRIMP	
Regular	5 gm/kg of feed
Stress Condition	10 gm/kg of feed
FISH	
Regular	500gm/ton of feed

Or as advised by the qualified Aquaculture Practitioner

Packing : 1 kg

08

Immuno-stimulant and Growth Promoter

# RITS S-GROW

## COMPOSITION :

Vitamins, Organic Minerals & Inorganic Minerals

## BENEFITS :

- Maintains high and uniform growth.
- Prevents nutritional disorders and stress.
- Enhances Animals Immune System to overcome the stress and disease.
- Reduces the risk of gut disorders and improves the normal fecal matter disposal.
- Prevents loose shell and soft shell formation in shrimps and improves their regular moulting cycles.

USAGE SCHEDULE	
Dosage	10 gm/kg feed One meal a day
Schedule	Feed for 3-4 days and break for 10days. Follow this cycle.

or as advised by the qualified  
Aquaculture Practitioner.

# RITS WHITE

Control for White Feces and White Gut

**COMPOSITION :** Probiotics, Minerals & Vitamins

**BENEFITS :**

- Stimulates hepatopancreas and improves appetite, thus, better feed intake, better utilization of vital nutrients by normalizing the gut permeability in shrimps.
- Reduces morbidity and mass mortality in shrimp and improves the survival and productivity.
- Reduces the risk of gut disorders and improves the normal fecal matter disposal.
- Promotes eubiosis, a condition in which the gut microflora are well maintained.
- Prevents loose shell and soft shell formation in shrimps and improves their regular moulting cycles.
- Prevents and controls fungal infections.

USAGE SCHEDULE	
PRAWN / SHRIMP	
Regular	10 gm per kg of feed for 5 to 7 days
Stress Condition	15 gm per kg of feed for 5 to 7 days
Morning & Evening 2 active meals	

or as advised by the qualified Aquaculture Practitioner.

Packing : 500 gm

# RITSBIO

Micro & macro Minerals, Amino Acids and Probiotics

**CONTENTS :**

**Minerals:**

- Calcium
- Phosphorous
- Manganese
- Zinc
- Magnesium
- Iron
- Copper
- Potassium
- Iodine
- Cobalt
- Sodium
- Sulphur
- Chromium
- Selenium

**Amino Acids:**

- DL-Methionine
- L-Lysine

**Probiotics:**

- Lactobacillus spp.*
- Live yeast culture

**BENEFITS :**

- Improves fast growth rate and weight gain.
- Prevents loose shell formation.
- Prevents nutritional disorders and stress in animals.
- Improves better utilization of nutrients.
- Improves feed conversion ratio (FCR).
- Improves the growth of plankton.

Packing : 10 kg & 20 kg

USAGE SCHEDULE		
Shrimp/Prawn	5-10 kg per acre	Every 10 days
Fish	3-5 kg per acre	Every 20 days
FEED APPLICATION		
Shrimp/Prawn	10 gm per kg of feed	
Fish	5 kg per ton of feed	
For Natural Plankton: 3 - 5 kg per acre		

Or as advised by the qualified Aquaculture Practitioner.

# RITS TONE

Water Probiotics for Prawns & Shrimps  
An Advanced and Highly Effective  
Live Multi-strain High Potency Water Probiotic  
High Potency of Bacillus sp. & other Probiotic strains

**COMPOSITION :**

Bacillus subtilis, B. licheniformis, B. polymyxa, B. megaterium, B. pumilus, B. coagulans, Thiobacillus thiooxidans, Aspergillus oryzae, A. niger, Pseudomonas denitrificans, strengthened with anti-vibriosis formulations and micro nutrients.

**BENEFITS :**

- Water Tone is biologically safe, eco-friendly, and biotechnologically formulated to survive, compete and multiply even in adverse pond conditions (0 - 50 ppt salinity and 4.5 - 10 pH).
- Water Tone is designed to work efficiently in both fresh water and saline water.
- Water Tone prevents and controls pollution caused by unionized Ammonia (NH<sub>3</sub>), Hydrogen Sulphide (H<sub>2</sub>S), Methane (CH<sub>4</sub>) and Sulphur Dioxide (SO<sub>2</sub>).

**USAGE :**

Prawn / Shrimp : 250-300 gm per acre.  
Fish : 200 gm per acre.  
Or as advised by the qualified Aquaculture Practitioner.

Packing : 500 gm

Excellent Growth Promoter

# RITSAMINO Gel

Amino Acids, B-Complex, Inositol, Folic Acid  
with Vitamin A, D<sub>3</sub> & C Aqua Feed Supplement

**COMPOSITION :**

- Vitamin A
- L-Lysine
- Vitamin B<sub>12</sub>
- Inositol
- Protein Hydrolysate
- Vitamin D<sub>3</sub>
- DL Methionine
- Vitamin B<sub>2</sub>
- Folic Acid
- Vitamin C
- Choline Chloride
- Vitamin B<sub>6</sub>
- Niacinamid

**BENEFITS :**

- Aids faster growth and weight gain.
- Prevents nutritional disorders and stress.
- Improves proper shell formation.
- Maintains high and uniform growth.
- Improves good quality of flesh.
- Improves feed conversion ratio (FCR).
- Improves better utilization of nutrients.

**USAGE :**

20 - 30 ml. per kg. of feed.  
Or as advised by the qualified Aquaculture Practitioner.

Strengthens Shrimp's Immunity & Optimises Growth

# RITS GUT

Strengthens shrimp's immunity and enhances its ability to withstand viral and bacterial diseases

## COMPOSITION :

Specifically selected herbal extracts along with Vitamins, Amino Acids, Enzymes, Probiotics and Organic Minerals.

## BENEFITS :

- Prevents the colonization of pathogenic Vibrio sp. in the gut and hepatopancreas of shrimp.
- Stimulates hepatopancreas and improves appetite, feed intake, feed absorption and better utilization of vital nutrients by normalizing the gut permeability in shrimps.
- Reduces morbidity and mass mortality in shrimp and improves the survival and productivity.
- Reduces the risk of gut disorders and improves the normal fecal matter disposal.
- Promotes eubiosis, a condition in which the gut microflora is well maintained.
- Prevents loose shell and soft shell formation in shrimps and improves their regular moulting cycles.

USAGE SCHEDULE	
PRAWN / SHRIMP	
Usage	gm/kg feed
Regular	10 gm
Stress Condition	15 gm
Morning & Evening 2 active meals	

Or as advised by the qualified Aquaculture Practitioner.

Packing : 500 gm

# RITS DCP

Di-Calcium Phosphate fortified with Multi-Vitamins and Trace Minerals for Shell Thickening in Shrimps

## COMPOSITION :

Di-Calcium Phosphate (DCP), fortified with Multi-Vitamins and Trace Minerals

## BENEFITS :

- Enhances the thickening of new shell and improves shell quality in prawns / shrimps.
- Prevents loose shell and soft shell formation in prawns / shrimps.
- Reduces pre and post moulting stress and prevents mortality during moulting.
- Promotes proper utilization of calcium and phosphorus.

## USAGE :

Treatment	Dose (per acre)	Time of Application
For Shell Thickening after moulting :	5 kg	7 to 10 p.m.
For preventing Loose / soft shell :	6 kg	7 to 10 p.m.
For Algal Bloom development :	3 kg	7 to 10 p.m.

Or as advised by the qualified Aquaculture Practitioner.

Packing :  
5kg & 10 kg

Natural Water and Soil Probiotics for Aquaculture Ponds

# RITSCULTURE

## COMPOSITION :

*Bacillus subtilis, B. licheniformis, B. polymyxa, B. megaterium, B. pumilus, Bacillus Sp., Nitrosomonas Sp., Nitrobacter Sp., Thiobacillus Sp., Acrobacter sp., Cellulomonas sp. and micro-nutrients, Enzymes.*

## BENEFITS :

- Effectively degrades organic sludge in pond bottom and releases the minerals to pond system.
- Absorbs toxic gases like Ammonia, Nitrite and Hydrogen sulphide in Soil and Water.
- Supplies organic matter, carbon and nutrients for developing the growth of beneficial microorganisms.
- Breaks down the fecal wastes, uneaten feeds etc. at the pond bottom.
- Provides slow release of nutrients and retains nutrients longer in pond for healthier pond ecosystem.
- Increases the Microbiological activity.

USAGE SCHEDULE	
PRAWN / SHRIMP/FISH	
Usage	gm/Acre
Regular	500 gm

Dosage can be adjusted according to the water and soil condition of the culture ponds.  
Or as advised by the qualified Aquaculture Practitioner.

Packing : 1 kg

Applied for Registration with Coastal Aquaculture Authority

POND ECOSYSTEM

# RITSPRO+

A Unique Combination of Live Multi-strain SOIL and WATER Probiotic

(Photosynthetic Super-Bug)

POND CONDITIONER

## COMPOSITION :

Rhodobacter sp.; Rhodococcus sp.; Nitrobacter sp.; Nitrosomonas sp.; Rhodospirillum rubrum

## BENEFITS :

- Promotes the growth of beneficial bacteria over pathogenic strains.
- Stabilizes pH, alkalinity, water colour and algal blooms.
- Efficiently digests organic substances in the pond bottom and prevents formation of black soil and reduces ammonia and nitrites in the soil.
- Works efficiently in wide range of pH (5.0 - 9.8) and salinity (0 - 50 ppt).
- Prevents the occurrence of Vibriosis.

## USAGE :

Prawn/Shrimp : 5 Lts/Acre

## DURING CULTURE PERIOD:

- Early stage : 01-30 days : 5 Lt / Hectare
- Middle stage : 31-60 days : 10 Lt / Hectare
- Final stage : 61 days above : 15-20 Lt / Hectare

Fish : 5-10 Lts / Hectare

During high risk conditions apply the double of regular dosage (or) as advised by an aqua consultant.

NOTE : • Apply in day time. Best between 9:00 a.m. and 11:00 a.m.

- If the water is green in colour (Chlorella spp.) use full dosage.
- If the water is brown in colour (Daphnia spp.) use half the dosage.

Product Code: RITSPRO+



Soil and Water Probiotics

# RITS SOIL

Makes an ideal environment for Prawn & Fish

## COMPOSITION :

Bacillus subtilis, B. licheniformis, B. polymyxa, B. megaterium, B. pumilus, Bacillus Sp., Nitrosomonas Sp., Nitrobacter Sp., Thiobacillus Sp and micro-nutrients

## BENEFITS :

- Works in the bottom sludge layers, as well as in the entire water column to digest any organic wastes generated by prawn / shrimp / fish and planktons in the pond.
- Breaks down the fecal wastes, uneaten feeds etc. at the pond bottom.
- Absorbs ammonia, hydrogen sulphide and other toxic gases in the water.
- Improves the pond environment and makes the shrimps and fish feel comfortable to grow faster.

## USAGE :

Prawn / Shrimp : 2 – 3 kg / acre.

Fish : 1 – 2 kg / acre.

Or as advised by the qualified Aquaculture Practitioner.

# RITSYEAST

HI-YEAST IS A NUTRITIONAL FEED  
ADDITIVE FOR AQUACULTURE.

Powder

## COMPOSITION :

- *Saccharomyces cerevisiae*
- *Saccharomyces boulardii* } 2 billion CFU per gram

## BENEFITS :

This biological feed supplement is highly effective in regulating animal gastrointestinal environmental balance by:

- Enhances beneficial microbes in pond ecosystem.
- Stabilizes pond pH.
- Helps in accelerating growth.
- Improving the efficacy of the immune system.
- Improving the intestinal health.
- Promoting feed digestion and absorption of nutrients.
- Improving the production performance of animal.
- Improving animal product quality.
- Binding harmful toxins in the feeds.
- Reducing pollutant discharge.

## USAGE :

Prawn / Fish : 3 kg per ton of feed.

Or as advised by the qualified Aquaculture Practitioner