

Nutra-Essentials

PROTECTION. HEALTH. GROWTH.



good for **GROWTH**,
good for **HEALTH!**



For more information, call
1800 123 2393

To know more, visit
www.ifbagro.in

Zeolite + Probiotic

A light brown to brown coloured powder of minerals and beneficial bacterial strains with a characteristic odour.



Instant relief from stress

Converts harmful substances to simpler forms, which are beneficial for pond ecosystem.
Reduces sludge.
Reduces obnoxious odours.



Degrades suspended solids & waste

Forms a complex of bacteria, suspended solids, waste and sludge by adsorbing the organic matter and charged ions through very effective CEC (Cation Exchange Capacity), settles it down and degrades it.
Liebig's Law of competitive exclusion eliminates pathogens and helps to have a healthy and less disease prone environment.



Improves DO (dissolved oxygen)

Promotes phytoplankton growth, improves pond bottom, water quality and helps to maintain pH and improve DO.
Aids to improve primary food source.

Contents

0.5 billion CFU/g potency Probiotic (*Bacillus* spp.), Micro & Macro minerals.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp & Fish	4–5kg/acre/1m depth
Directions	Mix with water and broadcast throughout the pond.



Shelf Life

Best when used within 36 months of manufacture.

Quantity
10 kg

Water & Soil Probiotic

A unique blend of six very effective and beneficial *Bacillus* strains in light-brown, free-flowing powder form with a characteristic odour.



Eliminates Vibrio

Reduces disease risk by producing anti-microbial substances like bacteriocins.
Eliminates harmful bacteria through competitive exclusion.



Maintains both soil & water condition

Produces a variety of exo-enzymes to maintain water and soil parameters.
Helps to develop healthy algal bloom.



Prevents black soil formation

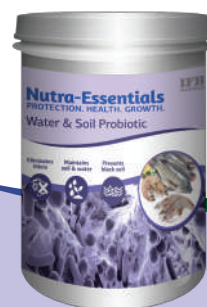
Prevents sludge formation and water deterioration.
Removes off flavour or muddy smell.

Contents

10 billion CFU/g potency.
Bacillus coagulans, *Bacillus circulans*, *Bacillus licheniformis*, *Bacillus polymyxa*, *Bacillus megaterium*, *Bacillus subtilis*.

Application (take guidance of an Aquaculture expert)

Culture	Pond	Feed
Shrimp & Fish	250–500g/acre/1m depth	5–10g/kg of feed
Directions	<ul style="list-style-type: none">• Mix with pond water and broadcast all over pond.• For better results, use every 7 days.	<ul style="list-style-type: none">• Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 10 minutes and use.• Mix directly with mash feed for fish and use.



Shelf Life

Best when used within 36 months of manufacture.
To be consumed once opened.

Quantity
500 g

Pond Freshener

Brown coloured powder to control ammonia and other toxic gases in aquaculture ponds. It contains natural extracts of *Yucca schidigera* and probiotics.



Instant stress relief

Removes ammonia and other toxic gases from the water column and pond bottom.



Helps to keep pond fresh

Curbs the formation of ammonia in the pond.



Controls off flavour

Eliminates the effects of obnoxious gases that have existed for prolonged periods, especially in old ponds.

Composition

Yucca extract, special phyto derivatives and metabolites added with natural environmental supporters.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp	500–750g/acre/1m depth
Fish	250–500g/acre/1m depth
Directions	<ul style="list-style-type: none"> Mix with wet sand and broadcast throughout the pond. Suitable time 4–5pm with aeration.



Shelf Life

Best when used within 24 months from manufacturing.
To be used once opened.

Quantity
500 g

Mode of Action

When applied in water or feed, the powder supplement automatically enters the body of the fish/shrimp and acts as a feed supplement, hence boosting growth and performance.

Noxious Gas Remover

A brownish, free-flowing powder of plant extract, mixed with beneficial bacterial strains.



Instant relief from stress

Steroidal saponins and glycol components in *Yucca* immediately bind ammonia, nitrogenous gases and release in non-toxic forms.

Reduces culture damage risk level as ammonia toxicity is detrimental in high pH conditions.



Removes ammonia & nitrites in anaerobic as well as other aquatic conditions

Degrades sludge and organic load in water as well in soil.

Speeds up denitrification and converts noxious gases to harmless nitrogen products.

Improves water quality and helps to maintain pH.



Reduces ammonia toxicity in gut

Improves gut health and aids growth.

Reduces obnoxious odours through chemo organic oxidation.

Contents

10 billion CFU/g potency.

A combination of *Bacillus* species and extracts of *Yucca schidigera*.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp & Fish	500g–1kg/acre/1m depth or based on ammonia/nitrite levels
Directions	<ul style="list-style-type: none"> Mix with wet sand and broadcast throughout the pond. Suitable time 4–5pm with aeration.



Shelf Life

Best when used within 36 months of manufacture.
To be consumed once opened.

Quantity
500 g

Special Combined Minerals

Cream coloured powder, a combination of minerals for growth and performance.



Better growth

Helps shrimp to moult regularly.
Supports optimum plankton growth.



Better body weight & strength

Supports proper mineral balancing.
Body absorbable mineral composition to maintain both body and pond water parameters.



Less mortality

Regulates osmotic system.
Acts as the best stress reliever by effectively balancing mineral concentration, even in rainy conditions.

Composition

Dicalcium phosphate, Magnesium salt, Potassium salt, Zinc Sulphate and trace minerals.

Application (Take guidance of an aquaculture expert)

Culture	Pond	Feed
Shrimp	Pond Preparation 24–48kg/acre Regular Use 6–16kg/acre/1m depth (Depending on stocking density, shrimp size, salinity of water and availability of minerals in pond soil)	5–10g/kg of feed
Fish	Pond Preparation 20–25kg/acre Regular Use 5–10kg/acre/1m depth	5–10g/kg of feed
Directions	<ul style="list-style-type: none"> For shrimp culture, 1–2 times/week or as per need. For fish culture, 1–2 times/month or as per need. Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 10 minutes and use. 	



Shelf Life

Best when used within 24 months from manufacturing.
To be completely used once opened.

Quantity
20 kg

Mode of Action

When applied in water or feed, the powder supplement automatically enters the body of the fish/shrimp and acts as a feed supplement, thereby boosting growth and performance.

Toxic Gas Remover

A light-brown coloured liquid of live bacterial cultures with a characteristic odour.



Fast degradation of sludge & black soil

Already in active form and acts quickly on organic matter.

Prevents black gill.

Eliminates suspended organic matter and gas bubbles.



Removes hydrogen sulphide, ammonia & nitrite gases

Reduces culture damage risk level.

Stabilises bloom and pH.

Promotes beneficial phytoplanktons and thereby controls blue green algae.



Reduces stress from toxic gases

Helps to improve DO (dissolved oxygen).

Reduces obnoxious odours.

Improves growth.

Contents

4 billion CFU/ml potency.
Rhodococcus & *Rhodobacter* spp.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp	4–5L/acre/1m depth
Fish	1L/acre/1m depth
Directions	<ul style="list-style-type: none"> Plankton crash—normal application every morning between 9am and 12pm until it is stabilised. Zooplankton bloom (dark brown colour)—3L/acre in the morning between 9am and 12pm. High suspended organic waste—normal application at anytime of the day.



Shelf Life

Best when used within 12 months of manufacture.
To be consumed once opened.

Quantity
20 L

Water Softener & Moul Inducer

Cream coloured powder with mineral and herbal mixture.



Improves pond water condition

Helps to reduce water hardness.

More soluble as pH increases and works better.



Acts as stress reliever during high saline conditions

Improves condition for better osmoregulation reducing stress.

Forms chelate structure with metal ions like calcium, magnesium, iron etc.



Helps in faster growth

Induces moulting.

Animals and environment both are not adversely affected during the process.

Composition

Sodium salts, other mineral salts and Herbal moul inducers.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp	1kg/acre/1m depth
Fish	500g/acre/1m depth
Directions	Mix with 20–30L of pond water and broadcast uniformly throughout the pond.



Shelf Life

Best when used within 24 months from manufacturing.
To be used once opened.

Quantity
1 kg

Mode of Action

When applied in water or feed, the powder automatically enters the body of the fish/shrimp and acts as a feed supplement, thereby boosting growth and performance.

Gut Probiotic

A light brown to brown coloured powder with a characteristic odour.



Improves consumption & rejuvenates digestion

Vitamins and enzymes improve efficiency of formulated feed consumption and digestion. Microbial substances and lactic acid improve digestion and nutrient assimilation through gut acidification.



Eliminates pathogens in gut & hepatopancreas

Helps to grow healthy prawn and fish by eliminating pathogens in the gut by competitive exclusion and also by gut acidification. Vitamin C relieves stress and helps to stimulate immunity.



Helps in development of exoskeleton of shrimp and bones of fish

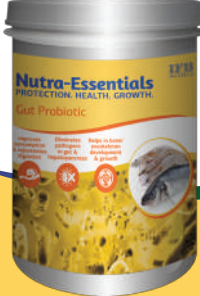
Provides easily available essential amino acids which enhance growth. Better ADG (Average Daily Growth) minimises DOC (Days of Culture) and helps in achieving better FCR (Feed Conversion Ratio) and economics.

Contents

3 billion CFU/g potency.
Probiotics—*Bacillus subtilis*, *Bacillus coagulans*, *Saccharomyces boulardii*.
Vitamins—Vitamin B1, Vitamin B6, Vitamin C.
Enzymes—Phytase, Protease, Cellulase, Amylase.

Application (take guidance of an Aquaculture expert)

Culture	Feed
Shrimp & Fish	5–10g/kg feed
Directions	Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 10 minutes and use.



Shelf Life

Best when used within 18 months of manufacture. To be consumed once opened.

Quantity

500 g

BKC 80%

A colourless to pale yellow coloured viscous liquid disinfectant.



Aids elimination & prevention of diseases

Powerful quaternary ammonium compound to treat general pond site, pond water, infected fish and prawns.

Used to treat tail rot, fin rot and gill diseases.

Used in removal of parasites like *Zoothamnium*.



Powerful bactericide, fungicide & algicide

Effectively kills disease causing agents such as bacteria, protozoa and fungus without long lasting harmful effects of free chlorine, phenol, mercury and other heavy metals on the environment.

Aids elimination and prevention of pathogens with powerful anti-microbial property.

High level of bio-degradability supports to keep pond environment safer.

Content

Benzalkonium chloride 80%.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp	45–75 days 1–1.5L/acre/1m depth 75 days till harvest 1–2L/acre/1m depth
Fish	1–2L/acre/1.5m depth
Directions	• Dilute BKC 80% with pond water, spread evenly throughout the pond. Aerate vigorously. • Apply during hot weather for better results.



Shelf Life

Best when used within 18 months of manufacture.

Quantity

1 L

CAUTION

Avoid contact with eye and skin. Keep the container tightly closed. Keep away from sunlight.

Immunity Booster

A light-brown to brown coloured powder of herbal and grain extracts as well as probiotics, with a characteristic odour.



Relieves stress & boosts immunity

Natural leaf extract fortified with ingredients improves self defence mechanism and also relieves stress.

1,3 & 1,4 beta glucans and coated Vitamin C help to boost immunity and give protection against diseases.



Enhances disease resistance power

Single cell protein helps as a food source for development of cell mediated immune response.

Beneficial bacterial strains acidify the gut and help to prevent growth of pathogens.

Eliminates pathogenic bacteria by competitive exclusion.



Improves growth

Barley fibre acts as feed supplement and activates the hepatopancreas, which increases digestibility.

Helps to attain better growth and FCR (Feed Conversion Ratio).

Contents

0.6 billion CFU/g potency.
Probiotics (*Bacillus coagulans*, *Saccharomyces boulardii*), Vitamin C, Yeast Beta Glucans, Barley Beta Glucans, Natural Herbal Extracts of *Aloe barbadensis*.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp & Fish	5–10g/kg feed
Directions	Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 30 minutes and use.



Shelf Life

Best when used within 18 months of manufacture. To be consumed once opened.

Quantity

500 g

Iodine

A brown coloured liquid disinfectant.



Effective for all bacterial diseases

Use to treat antennae cut, gill rots, tail rots, black gills, red gills, swollen gills, black spots, broken legs, fin rots and necrosis in prawns and fish.



Moderate virucide & sporicide

Powerful non-toxic and non-corrosive sanitiser for aquaculture use.

Actively bactericidal, fungicidal, with moderate virucidal and sporicidal effect.



Rapidly kills pathogens

Effective halogen compound kills pathogens rapidly by reacting with inner cell walls. Reduces pathogenic load in pond environment.

Content

Nonyl alkyl phenoxy poly ethylene oxide iodine complex provides 15% available iodine.

Application (take guidance of an Aquaculture expert)

Culture	Pond
Shrimp	500ml/acre/1m depth
Fish	500ml/acre/1.5m depth
Directions	Dilute Iodine with pond water/sand and spread evenly throughout the pond. Aerate vigorously.



Shelf Life

Best when used within 36 months of manufacture.

Quantity

500 ml

CAUTION

Avoid contact with eyes and skin. Keep the container tightly closed. Keep away from sunlight.

Binder Gel

Gel-like liquid with a fishy flavour for binding powdered supplements with feed pellets to prevent leaching in pond water during application.



Maximum utilisation of nutrient supplements

Prevents leaching. Natural binding property.



Improves growth and FCR*

Protein content acts as growth promoter. Natural squid flavour improves palatability and thereby feed intake.

*Feed Conversion Ratio



Helps to improve pond condition

Reduces wastage of feed and nutrient supplements.

Helps to increase attraction to the feed.

Composition

Nutrient gel with squid flavour and different selective attractants.

Application (take guidance of an Aquaculture expert)

Culture	Feed
Shrimp and Fish	20–30ml/1kg feed
Directions	Shake well before use. Mix properly with the advised or required quantity of feed supplement (mineral, probiotic etc), apply to the feed, dry in shade for 10 minutes and use.



Shelf Life

Best when used within 24 months from manufacturing. To be completely used once opened.

Quantity

5 L

Mode of Action

When applied in water or feed, supplements automatically enters the body of the fish/ shrimp and acts as a feed supplement, hence boosting growth and performance.

Fish Pond Sanitizer

Yellowish green coloured liquid, with a pungent odour, that works on pathogens such as viruses, bacteria, protozoa, fungi and toxic algae.



Improves fish health and pond condition

Improves fish health by preventing infections.

Improves pond condition by reducing pathogens.



Helps to achieve better survival and more production

Creates more space for fish in pond.

Reduces chance of mortality and pond deterioration.



Controls excess bloom

Improves pond water quality.

Destroys harmful algae.

Composition

Alkyl dimethyl benzyl ammonium chloride, Iodine, Formaldehyde, Glutaraldehyde and other bioactive compounds.

Application (Take guidance of an aquaculture expert)—For fish culture only

Culture	Pond
Fish	200ml/acre/1m depth (for prevention) 500ml/acre/1m depth (for treatment)
Directions	• Shake well before use. • Mix with 20–30 litres pond water and broadcast uniformly throughout the pond.



Shelf Life

Best when used within 24 months from manufacturing. To be used once opened.

Quantity

1 Litre

CAUTION

Avoid contact with eyes and skin. Keep the container tightly closed. Keep away from sunlight.

Yeast

Single cell protein in a pale-brown coloured powder form.



Useful in bioremediation of pond water

Improves pond ecology.

Enhances growth of phytoplankton, which helps to keep pond water healthy.



Acts as growth promoter

Powerhouse of single cell proteins, aids growth.

Better growth reduces DOC (Days of Culture).



Helps to maintain bloom

Helps to stabilise bloom and pH.

Healthy bloom helps to maintain healthy ecosystem.

Contents

2 billion CFU/g potency.
A combination of active and inactive dried yeast.

Application (take guidance of an Aquaculture expert)

Culture	Pond	Feed
Shrimp & Fish	500g/acre	5g/kg of feed
Directions	• Add Yeast with paddy dust or rice bran, jaggery, pond water and then mix properly. Keep it for 48 hours in a tightly sealed container for brewing. • After 48 hours, mix it again properly and apply to the pond.	• Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 10 minutes and use. • Mix directly with mash feed for fish and use.



Shelf Life

Best when used within 9 months of manufacture.

Quantity

1 kg

Fish Parasite Care–Feed

Brown coloured powder, contains herbals for controlling parasites such as *Argulus*, *Lernaea* and worms in fish.



Takes care of internal & external parasite infection

Reduces irritation and stress.

Improves fish health and growth.



Helps to gain weight & achieve more production

Aids proper feeding and digestion.

Avoids nutrient loss due to parasite infection.

Composition

Combination of selective herbs added with organic acids.

Application (Take guidance of an aquaculture expert)—For fish culture only

Culture	Feed
Fish	100g/1 ton of fish biomass
Directions	• Mix with Nutra-Essentials Binder Gel, coat on pellet feed, shade dry for 10 minutes and use. • Mix directly with mash feed for fish and use.



Shelf Life

Best when used within 24 months from manufacturing. To be used once opened.

Quantity

500 g

Mode of Action

The powder dosed in water or feed, automatically enters the body of the fish and acts as a feed supplement, hence boosting growth and performance.