



Nutra-Essentials
PROTECTION. HEALTH. GROWTH.



AQUASHOP

Also available at other retail outlets

For more information, call

1800 123 2393

To know more, visit

www.ifbagro.in

IFB
AGRO

Nutra-Essentials

PROTECTION. HEALTH. GROWTH.



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



Nutra-Essentials

PROTECTION. HEALTH. GROWTH.

Nutra-Essentials is a brand of scientifically formulated **Animal Health Care Products** from the house of **IFB Agro Industries Limited**, designed to sustainably improve the health, nutrition and growth of prawns/shrimp, fish as well as the aquaculture ecosystem. These formulations are antibiotic free and produced for Indian fish and prawn farming conditions using premium ingredients, at a state-of-the-art manufacturing facility.

IFB Agro is recognised for its long association with the aqua farming community in West Bengal. Through its retail platforms—Aquashop—it has been providing farmers with certified products, scientific know-how and support for the latest sustainable fish and shrimp cultures in West Bengal.

The Nutra Essentials Advantage

- Non-harmful, non-toxic, natural microbes from aquatic ecosystems
- Do not have any virulent genes, nor undergo changes/mutation
- Grown by fermentation to Good Manufacturing Practice (GMP) standard
- Selected based on well-defined genus-species and genetic finger printing
- Same efficacy even in varying conditions of salinity, pH and temperature
- Work effectively both in aerobic and anaerobic environments

Does not include disinfectants



Aquatic animal use only



Protect from sun, heat, rain & moisture



Optimum storage temperature



Not for human consumption



No antibiotics
No hormones



Do not freeze

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.

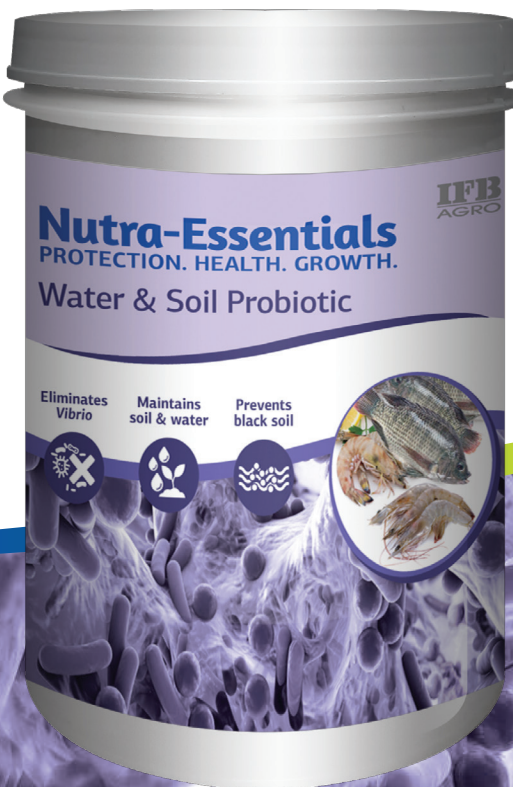
Contents

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	



Shelf Life

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

Quantity

500 g

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 & gas bubbles.



Removes hydrogen sulphide, ammonia & nitrite gases

Reduces culture damage risk level.
Stabilises bloom & 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/g 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• Much suspended organic waste—normal application at any time of the day



Shelf Life

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

Quantity
20 L

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 as soil.

Speeds up denitrification cycle 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

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 eco system.

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



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 through gut acidification improve digestion and nutrients assimilation.



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 bone/exoskeleton development & growth

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 suitable binder, dry in shade for 10 minutes and use



Shelf Life

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

Quantity

500 g

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.

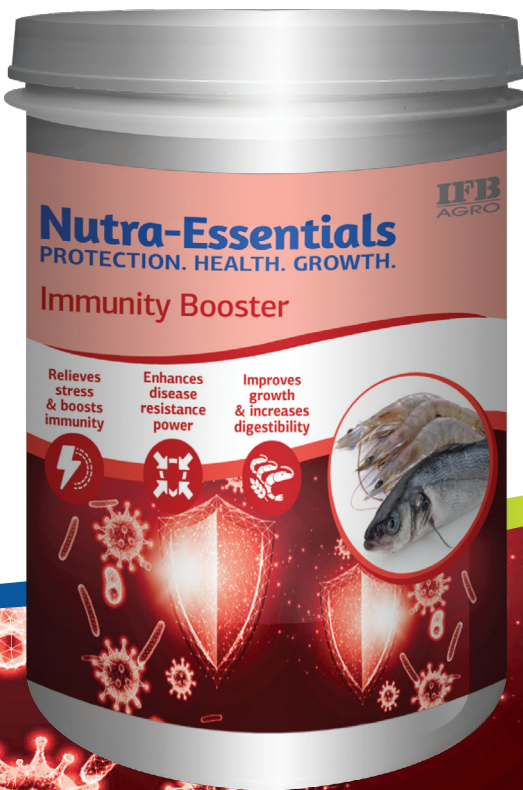
Helps to attain better growth and FCR (feed conversion ratio).

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 suitable binder, dry in shade for 30 minutes and use



Shelf Life

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

Quantity
500 g

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	• Mix pond water with yeast, add jaggery, de-oiled rice bran (DORB) and mix properly • Aerate the mixture for brewing and then apply evenly throughout the pond	



Shelf Life

Best when used within 9 months of manufacture.

Quantity
1 Kg

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 gum diseases.

Used in removal of parasites like *Zoothamnium*.



Powerful bactericide, fungicide & algicide

Effectively kills disease causative agents like bacteria, protozoa, fungus without much long lasting harmful effects of free chlorine, phenol, mercury and other heavy metals on environment.

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

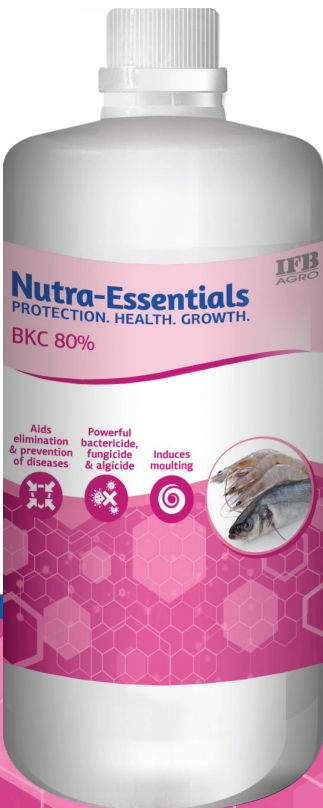
With high level of bio-degradability supports to keep pond environment safer.

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	<ul style="list-style-type: none">• 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.

Iodine

A brown coloured liquid disinfectant.



Moderate virucide & sporicide

Powerful non toxic & non corrosive sanitiser for aquaculture use.

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



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.



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 eye and skin. Keep the container tightly closed.