



CERESRI®

nurture the nature

PRODUCT CATALOGUE

AQUACULTURE

AQUATIC PROBIOTICS

Aquaculture is viewed as an important food security sector for a growing global human population and has rapidly developed due to intensified culture methods. The indiscriminate use of chemical additives and veterinary medicines as preventative and curative measures for diseases has resulted in antimicrobial resistance among pathogenic bacteria, and degraded environmental conditions. Consequently, serious loss because of the spread of diseases has been increasingly recorded. This is a significant constraint on aquaculture production and trade, and negatively affects economic development in many countries. Several alternative methods

have been considered to improve the quality and sustainability of aquaculture production. Of those methods, probiotics have been shown to have an important role in aquaculture. Probiotics have been proven to be positive promoters of aquatic animal growth, survival and health by ensuring improved use of the feed or increasing its nutritional value, or by enhancing the host response towards disease. Apart from these direct effects, the indirect or environmental effects include water quality improvement, reduction of water exchange and sludge accumulation. All of these have a synergist impact on the financial performance of the farm.



Aquasort

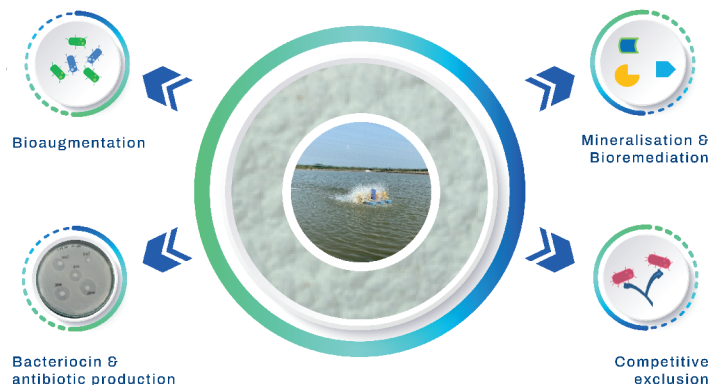


Aquasort is a consortium of spore forming Bacillus strains formulated to maintain water quality in the pond. It can accelerate the turnover of organic nutrients and reduce their accumulation in ponds. This consortium helps to minimize water quality deterioration and eutrophication by maintaining the pond microbiome in a balanced state.

FEATURES

- Degrades organic waste present in pond bottom and reduces sludge accumulation
- Produce bacteriocins and antibiotics that prevent the pathogen population in the water.
- Produces a wide range of exoenzymes that facilitate the mineralisation and bioremediation of the pond

MODE OF ACTION



DOSAGE

500 grams per acre; Weekly once

BENEFITS

- Improve water quality
- Reduce pathogen load in ponds
- Sludge decomposition
- Improves FCR

Aquabios



FEATURES

- Produces antimicrobial peptides that inhibit pathogens including *Vibrio*
- Secretes Non-Starch Polysaccharides enzymes that improve digestive functions and absorption capacity and improve intestinal micro flora
- Produce organic acids, enzymes, amino acids for better feed utilization and assimilation of dietary components

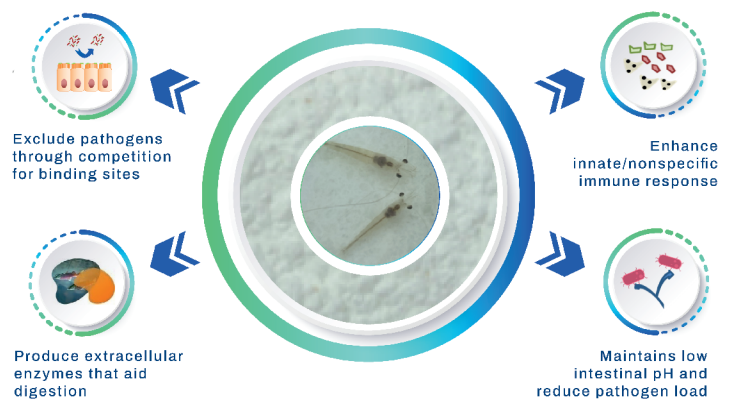
DOSAGE

5 grams per kilogram feed

Aquabios is a distinctive blend of beneficial bacteria such as *Lactobacillus* spp., *Pediococcus* sp., *Enterococcus* sp. and *Bacillus* spp. to enhance disease resistance through immunomodulation and inhibition pathogens.

Aquabios colonises the gut of aquatic animals thereby facilitating effective digestion and enhancing the intestinal microbial balance by competitively excluding pathogenic microbes.

MODE OF ACTION



BENEFITS

- Improve digestion
- Increases FCR, weight gain
- Reduction of disease incidence
- Minimise antibiotic usage

Aqualite



FEATURES

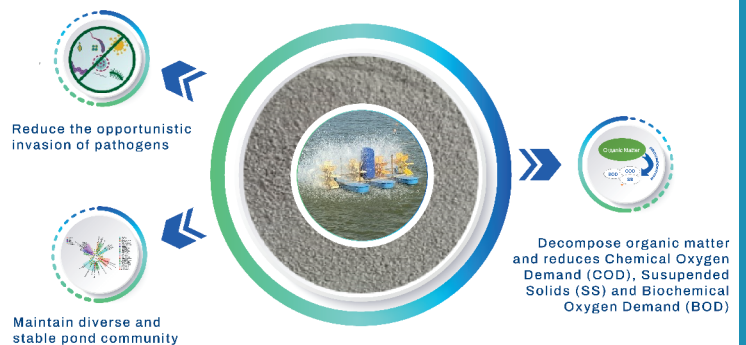
- Indigenous isolate with very good pigment production
- Microencapsulated powder formulation with better shelf life
- Involved in biodegradation and biodegradation
- Serves as excellent protein source for aquatic animals

DOSAGE

10 gram per 1000 square meter per week

Aqualite is a unique formulation of purple photosynthetic bacteria for pond management and optimizing health performance in aquaculture. It is rich in protein (>70%) and fatty acids like stearic acid and oleic acid which are an excellent diet components for aquatic animals.

MODE OF ACTION



BENEFITS

- Enhance digestion and FCR
- Improve energy efficiency and nitrogen utilization
- Reduce ammonia production
- Reduce pathogen load

Aqua Dicon



FEATURES

- No residual and adverse effects
- Safe and eco-friendly
- Minimise the problem of drug resistance
- Stimulate beneficial gut microbes and lactic acid production
- Improves feed palatability

DOSAGE

3-5 gram per kilogram feed

Aqua Dicon is a natural growth promoter used to improve the performance of aquatic animals through elimination of undesirable microbes. It is a blend of essential oils from various natural sources that are promising substitutes for artificial growth promoters.

MODE OF ACTION



BENEFITS

- Increase the survival rate and growth performance of fingerlings
- Reduce ammonia content
- Improve water quality
- Prevent diseases

Aqualiv

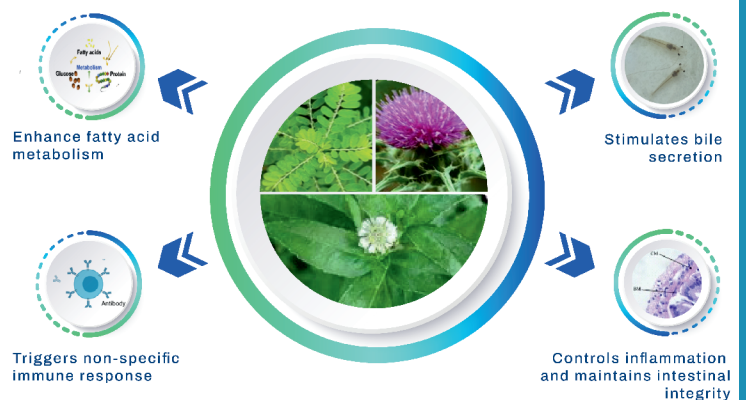


Aqualiv is a polyherbal formulation of *Eclipta*, *Azadirachta*, *Phyllanthus*, *Sylbium* etc. that help to improve liver functions thus ensuring better feed utilization and increased productivity.

FEATURES

- Stimulates digestive enzyme secretion
- Possess antioxidant properties which gives protection against stress
- Protects liver from various toxins
- Enhances absorption of feed

MODE OF ACTION



DOSAGE

3-5 gram per kilogram feed

BENEFITS

- Improves appetite and digestion
- Enhanced disease resistance
- Higher FCR
- Improves overall performance

GET IN TOUCH WITH US

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