



CERESRI®

nurture the nature

PRODUCT CATALOGUE

POULTRY

POULTRY

Sustainable production while maintaining profitability is a big challenge in poultry industry. Poultry immunity, health, and production are the major factors that challenge the future of this industry. Over the years, demand for organic and natural poultry products has increased as these products are safer and more wholesome. Prebiotics, Probiotics, Phytogetic, Enzymes and organically derived amino acids and other supplements are approved by USDA for organic poultry production.

Beneficial microorganisms play a significant role in maintaining a balanced gut microbiome and a healthy immune system. The performance of birds is influenced right from day one of chick when the development of gut microbiome is initiated. Our R&D partner has a dedicated team of microbiologists who have screened a vast collection of native strains with probiotic properties and its role in improving livestock productivity. We have focussed our effort to improve gut microbiome through understanding and optimizing microbial load in the products until it reaches its target site. We maximise probiotic performance in the gut using inhouse encapsulation technology that can withstand processing conditions and other environment in the gut.

We have also developed plant-based products to improve the liver function and boost natural immune system. Our enzymes of microbial origin help to eliminate antinutritional factors, improves digestion and absorption of nutrients to achieve greater Feed Conversion Rate (FCR). We believe that an integrated approach will have a greater impact on eliminating the use of antibiotics



PROBIOTICS

Probiotics are live microbial feed supplements that has benefits to host animals by improving its intestinal microbial balance. The probiotic bacteria attach to the intestinal mucosa, thereby forming a physical barrier that blocks the attachment of pathogenic bacteria. The mode of action of probiotics in poultry includes maintaining normal intestinal microflora by competitive exclusion and antagonism, altering metabolism by increasing digestive enzyme activity and lowering the release of ammonia and toxins, improving feed intake and digestion and neutralizing enterotoxins and stimulating the immune system. They offer immense potential to become an alternative to antibiotics.

Galdo-Bac

(Probiotic formulation for water and feed mix)

Galdo-Bac is a blend of probiotic strains essential for maintaining gut health and improving performance of poultry birds. Galdo-Bac maintains intestinal homeostasis, improves digestion and modulates immune response while reducing usage of antibiotics.

Galdo-Bac acts by improving disease tolerance, reducing stress and efficient utilisation of dietary nutrients.

Features

- Consortium of selected probiotic strains isolated from native environment
- Excellent adhesion to intestinal mucosa, competitive exclusion of pathogens
- Increases intestinal villi and crypt length
- Secretion of digestive enzymes and antimicrobial peptides
- Stable at gastric and intestinal pH.

Products



Galdo-Bac SF
(Probiotic formulation
for use in feed mix)



Galdo Bac NS
(Probiotic formulation
for use in water channels)

Galdo-Bac SF

Feed Mix



A consortium of micro-encapsulated spore forming *Bacillus* spp. for improving FCR, performance, productivity and reducing ammonia emission in birds.

Galdo-Bac SF powder formulation is suitable for feed application and withstand during pelletization process.

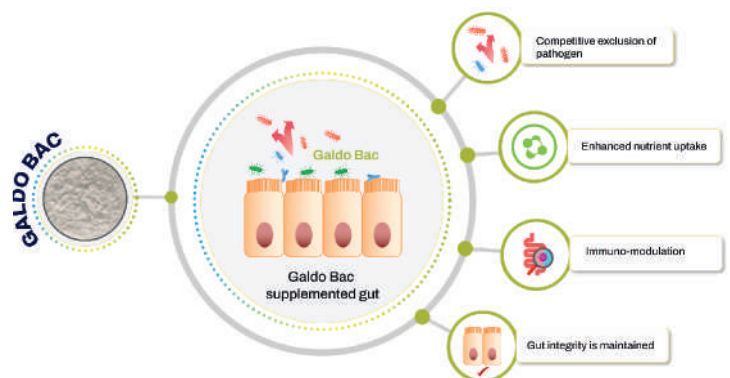
FEATURES

- Galdo-Bac SF secretes enzymes like protease, amylase and other non-starch polysaccharide enzymes (NSPE) increasing the feed digestibility and improve the nutrient absorption.
- Reducing the availability of nutrients for pathogens in hindgut.
- Galdo-Bac SF produces a variety of antimicrobial metabolites which selectively wards off pathogens like *Clostridium*, *Salmonella* and *Escherichia coli*

DOSAGE

500 grams per ton of feed is recommended

MODE OF ACTION



BENEFITS

- Enhances immune response and stress tolerance of birds
- Reduction of pathogens such as *Salmonella* and *E.coli*
- Increases bio-availability and absorption of nutrients
- Reduction of morbidity and mortality rate
- Improves feed conversion ratio and performance of birds

Galdo-Bac NS

Water Mix



Galdo-Bac NS is a consortium of *Lactobacillus spp.*, *Pediococcus sp.*, and *Enterococcus sp.*, which help in early development of immune system by adhering to the mucus and intestinal cell lining and competitively excludes pathogenic bacteria from intestinal epithelial cells.

FEATURES

- Microencapsulated probiotic formulation for optimum performance in the poultry gut
- Galdobac NS cultures has phytase activity, it helps to increase the available phosphorus and thereby reduce production cost.
- Produces organic acids like lactic acid and butyric acid with help to maintain acidic pH in gut and thereby improve digestive health.
- Secretes antimicrobial peptides (bacteriocins) that can eliminate pathogens.

DOSAGE

20 grams per 1000 Liters of water

MODE OF ACTION



BENEFITS

- Enhances immune response and stress tolerance of birds
- Body weight gain by Maintaining balanced gut microflora
- Reduction of morbidity and mortality rate
- Reduces incidence of wet litters and pasty vent
- Improves feed conversion ratio and reduce production cost

Galdo-ChicGel

Unique hydrating gel for a day old chicks



Galdo- ChicGel is a hydrogel formulation that provides quick hydration, energy, early gut protection and development in a day old chicks. It is specially formulated for chick nutrition requirement.

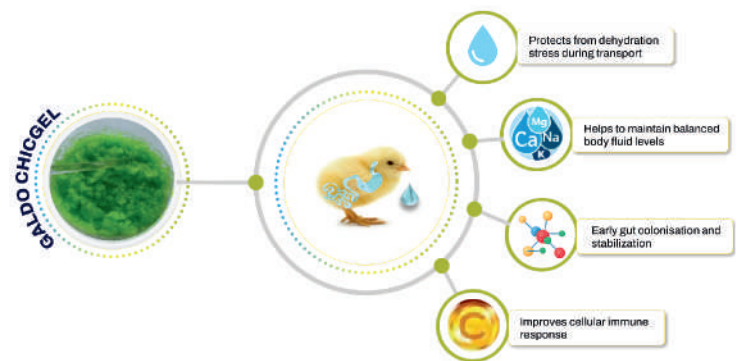
FEATURES

- Absorbs water and forms gel within 2-3 minutes
- Enriched with electrolytes and vitamins
- Loaded with beneficial probiotic bacteria
- Forms soft and discrete particulate gel on contact with water
- Hydrogel is stable for 48 hours
- 100% biodegradable

DOSAGE

175 gram For 5 Liters of water recommended for 2500 chicks

MODE OF ACTION



BENEFITS

- No hypothermic shocks due to wetting of feathers
- Overcomes transportation stress
- Good and uniform start of the flock and better life performance
- Encourages early feeding behaviour
- Reduces mortality rate
- Early colonization in gut with probiotics to stimulate immune response

Galdo-DHA

Natural Omega-3 fatty acid supplement



Galdo-DHA powder is a sustainable fermented formulation of omega-3 fatty acid of vegan origin. It is natural, non-GMO, microalgal dry biomass containing DHA, proteins, vitamins and minerals. Galdo-DHA promotes growth and immunity of birds

FEATURES

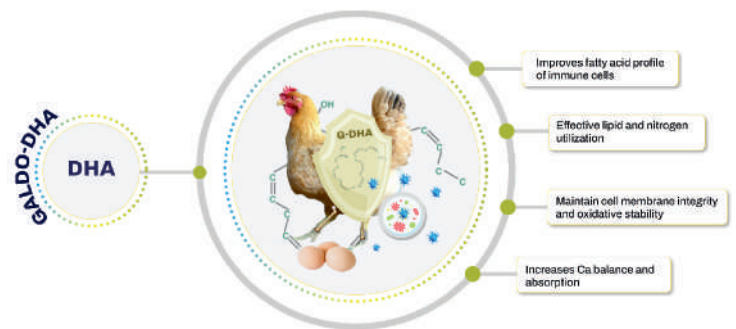
- Vegan algal nutritious supplement
- Ensured to contain 15-20% DHA
- Enriched with proteins and calcium ion
- DHA in triglyceride form ensures maximum bioavailability
- Effective additive for enriching meat & egg quality

DOSAGE

3 kilograms per ton of feed to improve meat quality.

10 kilograms per ton of feed for egg enrichment.

MODE OF ACTION



BENEFITS

- Enhances immunocompetency
- Increases fertility rate
- Weight gain and strong bones
- High protein, low fat meat
- Intact gastrointestinal tract

Galdo-LIV

Herbal liver care



FEATURES

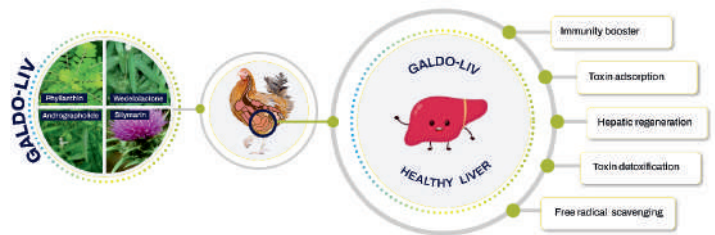
- Rejuvenative, stomachic, and hepatoprotective
- Exhibits anti-mycotoxic, Anti-hemorrhagic and antihepatotoxic activities
- Anti-inflammatory, antidiarrhoeal, immunostimulant, anti-oxidant and stimulate bile secretion
- Prevent and control gout disease and Controls acute and chronic viral hepatitis

DOSAGE

250 grams per ton of feed

Galdo-Liv is a herbal poultry formulation to protect, maintain and stimulate liver performance and optimize poultry production. It also strengthens the liver and heal liver diseases.

MODE OF ACTION



BENEFITS

- Enhances immunocompetency
- Increases egg production and hatchability
- Manage fatty liver haemorrhagic syndrome
- Decreases mortality rate
- Improves FCR and body weight gain
Enhances immunocompetency
- Increases egg production and hatchability
- Manage fatty liver haemorrhagic syndrome
- Decreases mortality rate

Galdo-Phyte

Natural Growth Promoter



FEATURES

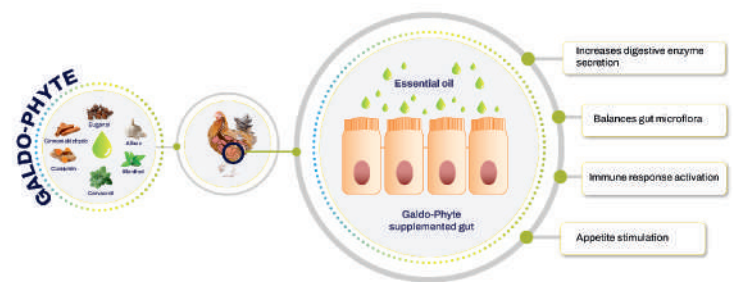
- Controlled release of microencapsulated essential oil in the GI tract for better performance.
- Improves digestion by stimulation of digestive enzyme secretion.
- Essential oil have antimicrobial, anti-oxidant, anticoccidial, anti-inflammatory properties that helps to balance gut microbiota and activation of Immune responses
- Increase appetite and palatability
- Residue free and do not develop resistance

DOSAGE

250 gram per ton of feed

Galdo-Phyte is a blend of essential oils and phytoactive compounds, formulated by microencapsulation technology. It is a natural potential alternative for artificial growth promoters. Galdo-Phyte improves digestion, weight gain and feed conversion ratio.

MODE OF ACTION



BENEFITS

- Improves body weight
- Improves egg quality in layers
- Maintain healthy gut environment
- Improves feed conversion and growth performance in birds
- Contributes to overall profitability

Galdozyme-Phyt

Bacterial Phytase



Galdozyme-Phyt is a phosphohydrolase enzyme that catalyzes the phytate in feed and converts it to available nutrients for the poultry.

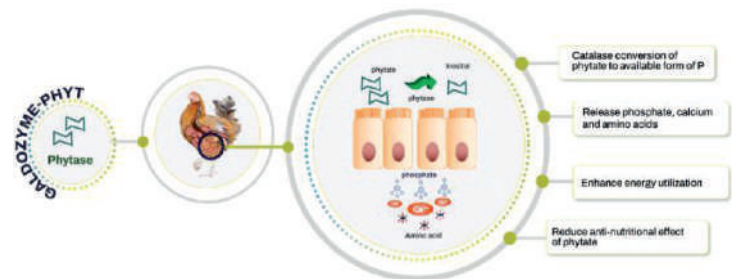
FEATURES

- Phytase hydrolyzes the dietary phytate and reduces environmental footprints and allows sustainable animal farming
- Facilitates nutritional management by improving phosphate, calcium, and amino acid utilization in poultry feed
- Maintains intestinal acid-base homeostasis and attributes greater resistance to protease in the gastro-intestinal tract.
- Improves animal growth and performance through enhanced nutritional bioavailability

DOSAGE

250 gram for one ton of feed

MODE OF ACTION



BENEFITS

- Improved phosphorus and calcium availability
- Enhance nutritional value of feed and energy utilization
- Improves FCR
- Minimize the excretion of phytate phosphorus



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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

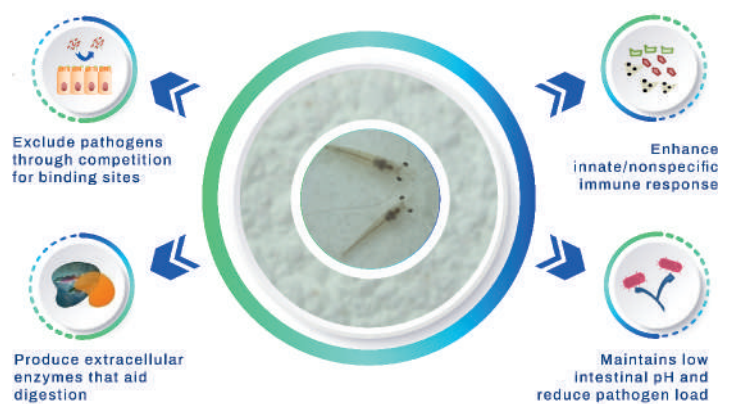
DOSAGE

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

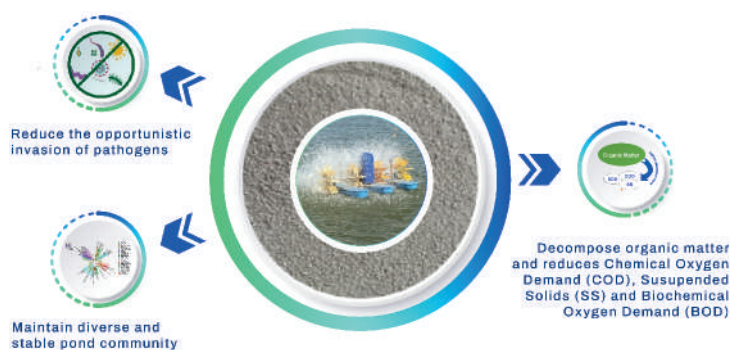
- Indigenous isolate with very good pigment production
- Microencapsulated powder formulation with better shelf life
- Involved in biodegradation and biodegradation
- Serves as excellent protein source for aquatic animals

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

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