MARISYM BIOLOGICALS

ROOTING INNOVATIONS

POULTRY FEED ADDITIVES



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Marisym Biologicals

Our Science

At Marisym Biologicals, we unite microbial biotechnology, nutritional science, and formulation engineering to deliver next-generation feed additives and farm management solutions that drive consistency, health, and sustainability in poultry production.



Mission

To revolves around addressing poultry health, nutrition and productivity challenges while championing sustainability. Through eco-friendly additives and responsible production practices, we're here to help poultry farmers thrive.

Vision

To offer customized cost-effective innovation-driven solutions to reduce environmental impact and elevating profitability

Values

- Trust
- Quality
- Farmer Centric
- Research and Innovation
- Empowerment

Our Impact

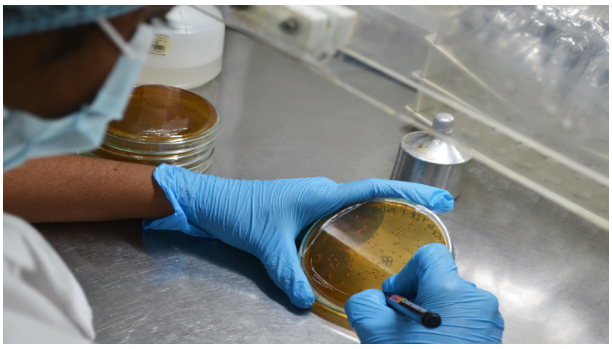
We partner with integrators, nutritionists, and producers to help optimize feed efficiency, flock health, and profitability, building a stronger, science-driven foundation for the future of poultry farming.



Our Strength

Expertise in Poultry Biologicals

- 30+ years in biologicals
- Proven capability in probiotics, litter management & gut-health solutions
- Technical team supporting R&D, manufacturing, regulatory documentation & field support





Advanced Technology Platforms

- Formulation Technology
- Microencapsulation Technology
- Hydrogel Technology
- Cell Concentration Technology
- Culture Repository
- In-House AminoUnlock Technology

Seaweed Bioactive R&D Capability

Our in-house seaweed processing capability expands our R&D pipeline and supports exploration into next-generation seaweed-derived solutions for poultry health and performance





State-of-the-Art Manufacturing Infrastructure

- Fermentation systems for high-density probiotic biomass
- Precision blending, spray drying & freeze-drying lines
- Dedicated formulation units for soluble powders, WPs & granules
- Controlled packing & storage environments for product stability
- Trusted by leading poultry players

Compliance & Quality Commitment

- Full traceability from raw materials to finished products
- Standardized SOPs for production & handling
- Strong hygiene and microbial control systems
- Documented checks at critical control points
- COAs, batch records & complete technical documentation
- Continuous alignment with global poultry feed safety expectations

Rigorous Poultry-Focused Quality Assurance 8-stage quality validation:

- Raw material screening
- Fermentation monitoring
- Purity & contamination testing
- Formulation stability testing
- Pelleting tolerance checks
- CFU verification
- Genetic purity assurance
- Batch consistency testing

Science That Performs — From Hatch to Harvest

Our Portfolio

Our innovations bridge nutrition, health, and environment, strengthening every stage of the poultry cycle. Each solution is engineered for high bioavailability, targeted delivery, and thermal stability, ensuring consistent results from feed processing to farm application.

Complete Poultry Wellness:

Gut • Immunity • Growth • Environment

Galvigo- DHA

Omega-3 enrichment from sustainable algal DHA sources





Galvigo- ChicGel
Galvigo - Chic ProGel

Chick hydration gels for early gut colonization and chick viabilityChick hydration gels for early gut colonization and chick viability

Galvigo-Bac ProAct
Galvigo-Bac NS
Galvigo-Bac NSF
Galvigo-Bac Plus

Multi-strain probiotics for gut health and feed efficiency





Galvigo-Min

Bioavailable minerals for growth, metabolism, and immunity

Galvigo-Larvoblite
Galvigo-Flypull
Galvigo-LitterFix

Integrated vector management for hygienic, biosecure environments



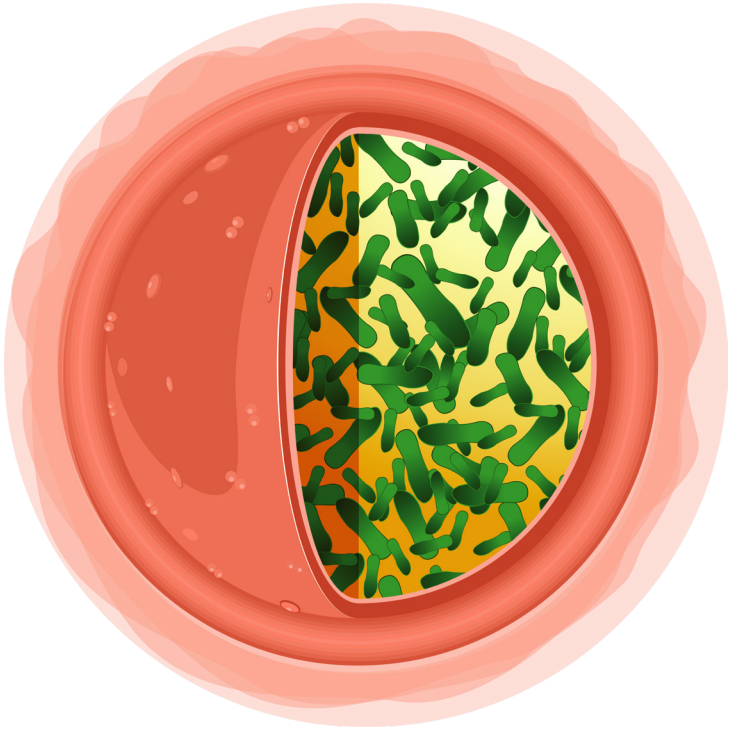
Spore Mimic Technology (SMT)

What is Spore Mimic Technology (SMT)?

Spore Mimic Technology (SMT) is a unique proprietary technology that ensures complete benefits and properties of bacterial spore. Sporulation is a vital process in which vegetative cells of spore-forming bacteria develop tolerance to withstand stress conditions like high temperature, desiccation, radiation and exposure to chemical agents. Non-spore-forming probiotic cells in feed additives face challenges in maintaining viability during feed processing and in the GIT of animals. To enhance stability and to preserve viability of non-spore forming probiotic cells, SMT protects the cells via robust biopolymer-based coating.

How it works?

Spore Mimic Technology (SMT) ensures the biopolymer coat as a cell adhesion ligand through steric and electrostatic interactions and short-range forces like van der waals, hydrogen bonding and biospecific interactions. This coating temporarily reduces heat transfer into the cells, contributing to increased viability and improved physiochemical properties of probiotics. Ultimately, SMT facilitates the delivery of active, viable probiotics to the animal gut, maximising the benefit of probiotic supplementation



Benefits

- Improves thermostability
- Better stress tolerance
- Targeted delivery
- Enhanced bioavailability
- Controlled release

Galvigo - Bac ProAct

(Probiotics for feed)



Galvigo-Bac ProAct is a premium, thermo stable, tailor made *Bacillus* consortia spore probiotic supplement designed specifically for pellet feed. With a powerful synergy of prebiotics and probiotics, it enhances gut health, improves feed conversion rate (FCR), and boosts overall productivity in poultry

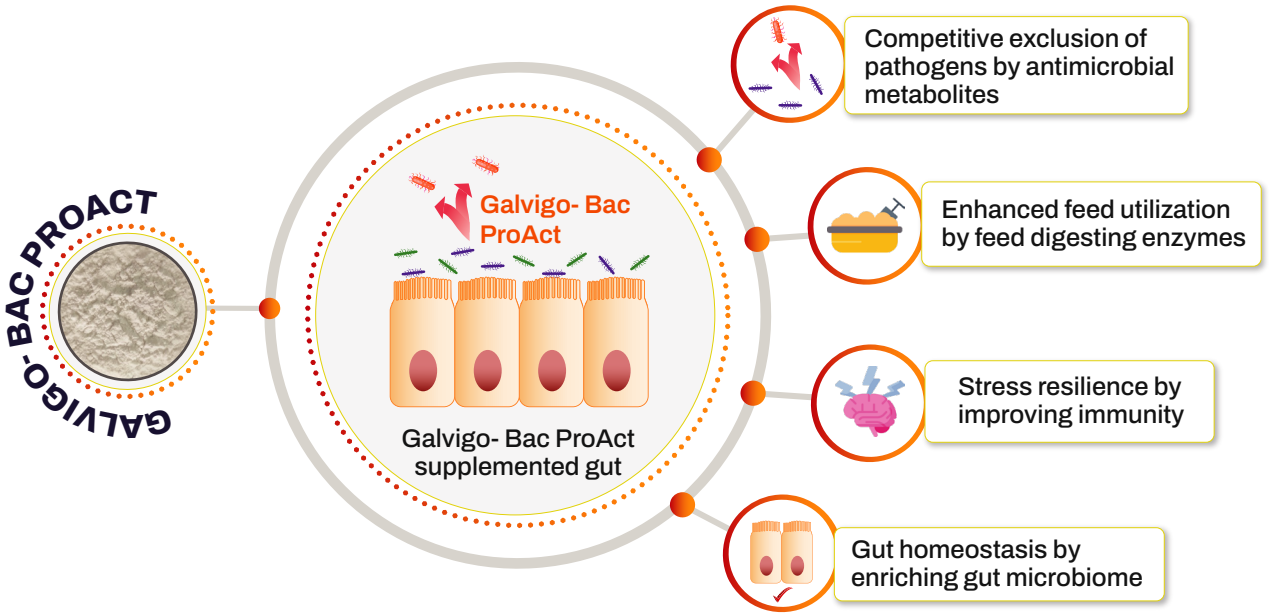
Ingredients

Bacillus licheniformis | *Bacillus subtilis* | Prebiotics and excipients

Features

- Feed supplement formula including prebiotics and probiotics.
- **Prebiotics:** Non-digestible fibers that nourish beneficial gut bacteria, promoting a balanced and thriving intestinal microbiome.
- **Probiotics:** Thermally resilient spore-forming *Bacillus* consortia that support digestion and maintain gut integrity and fights against pathogens.

Mode of Action



Benefits

Enhances Growth Performance
Improves body weight through superior nutrient absorption and digestion.

Improves Feed Conversion Ratio(FCR)
Secretes enzymes that improves FCR in broilers by enhancing nutrient digestibility & reducing anti-nutritional factors.

Strengthens Immune Response
Supports a healthier gut environment, reducing dependency on antibiotics and improving disease resistance

Higher Productivity & Cost Efficiency
Promotes bird well-being, reduces feed costs, and lowers overall production expense

Dosage

500g per ton of feed or as suggested by Veterinarian / Nutritionist

Galvigo - Bac NS



(Probiotics for water)

Galvigo-Bac NS features a premium multi-strain blend of probiotics with water soluble excipients. This potent formulation contains digestive enzymes and antimicrobial peptides, supporting nutrient absorption while helping to inhibit pathogenic bacteria.

Ingredients

Lactobacillus rhamnosus | *Enterococcus faecium* | *Pediococcus acidiliactici* | *Bacillus licheniformis* | Water soluble excipients

Features

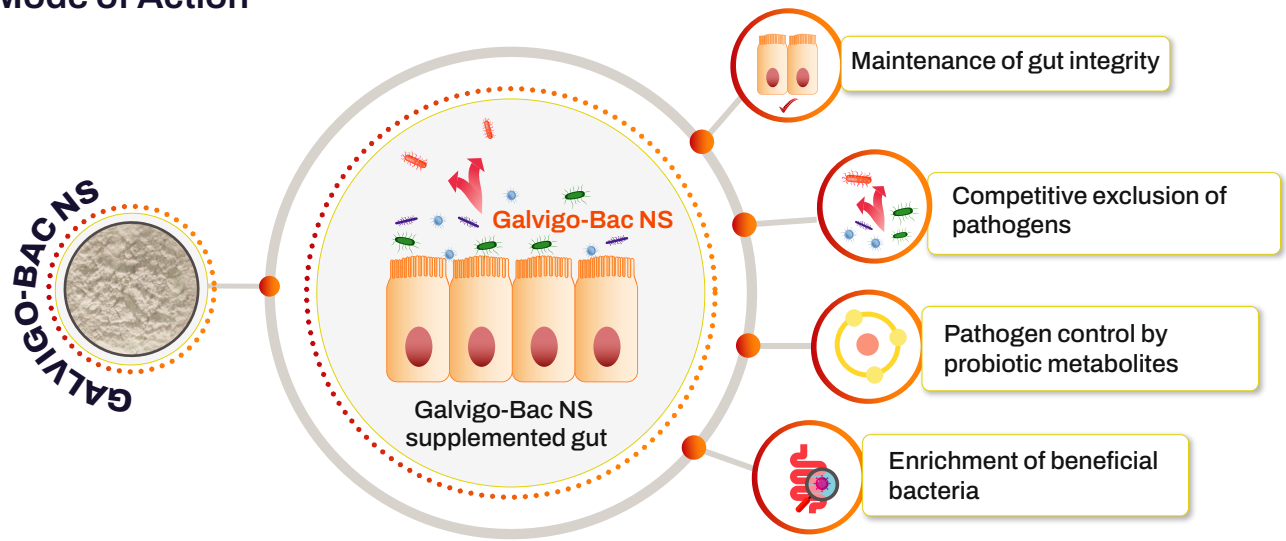


- Water soluble form for efficient administration of probiotics; simplified feeding time and labour.
- Crafted to offer controlled release, high viability and stability in adverse conditions in water.
- Offers uniform, consistent and reliable dosage of probiotic strains.

Probiotic metabolites like organic acids, enzymes and antimicrobial peptides

- Strengthen the intestinal barrier
- Regulate gut microbiota
- Suppress pathogenic organisms

Mode of Action



Benefits

- Body weight gain by improving feed digestion and absorption by enzymes
- Stress resilience by enhancing immunity and by antipathogenic effect
- Improved litter quality, reducing fly menace.
- Reduced morbidity and mortality rate by FCR
- Improved poultry performance and overall feed cost savings

Dosage

- For Broilers - 5g/1000birds/day (1-3 weeks),10g/1000birds/day (after 3 weeks)
- For layers - 10g/1000birds/day
- Breeders - 20g/1000birds/day

or as suggested by Veterinarian/Nutritionist

Galvigo - Bac NSF



(Probiotics for mash feed)

Galvigo-Bac NSF is an innovative probiotic formulation developed as mash feed supplement to improve poultry gut health. This synergistic blend is meticulously designed to enhance digestion, improve nutrient absorption, and support the overall health and well-being of poultry birds, contributing to optimal performance and productivity

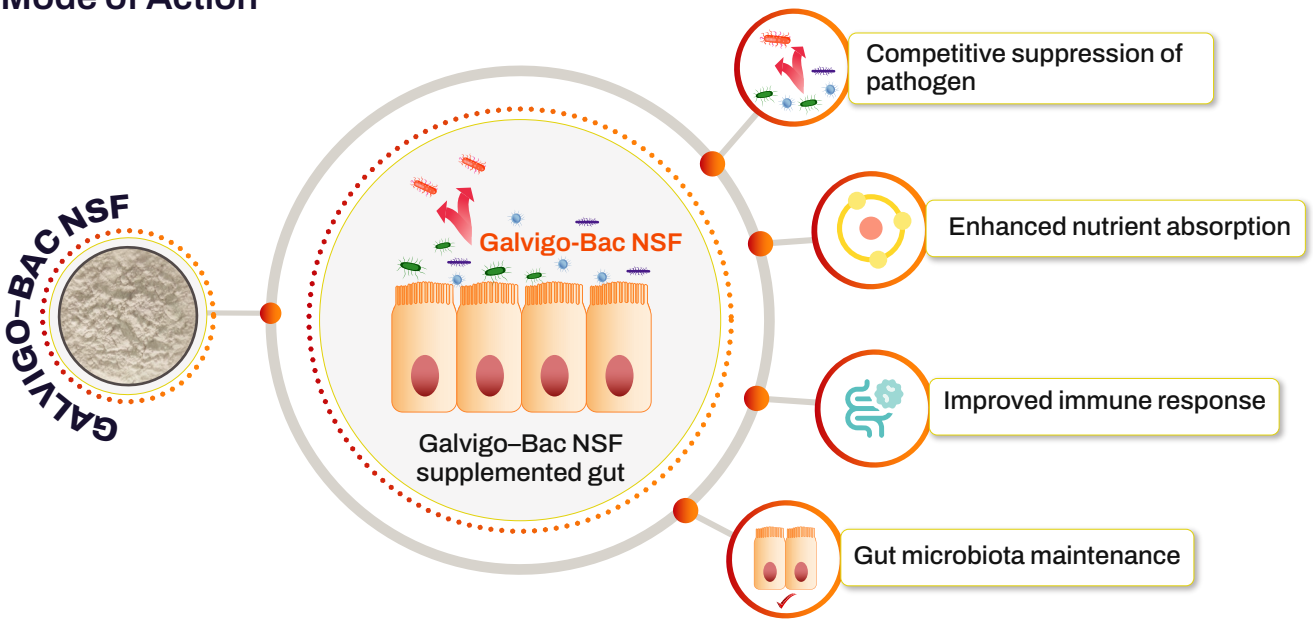
Ingredients

Bacillus licheniformis | *Enterococcus faecium* | *Pediococcus acidiliactici* | *Lactobacillus rhamnosus* | Feed - soluble excipients

Features

- A unique blend of multi-strain probiotics with multiple benefits.
- Suitable for mash feed applications
- Designed to improve gut health and stress tolerance

Mode of Action



Benefits

- Promote intestinal health in livestock and poultry
- Better nutrient utilization and feed conversion rates
- Reduces odour in farms and improved litter quality
- Robust immune system, reducing the risk of infections and promoting overall health.
- Uniform growth, increased weight gain and enhanced production efficiency

Dosage

Layer - 250 g-500 g/ton of feed; Breeder and Broiler - 500 g/ton of feed or as suggested by Veterinarian/Nutritionist

Galvigo - Bac Plus



(Extra boost probiotics for pellet feed)

A multibacterial probiotic formulation designed with Spore Mimic technology to withstand the thermal stress during feed pelletization at the same with improved bioavailability. The thermal shielding with multiprobiotic attributes makes this product unique for improved poultry performance in lower dose. This booster product enhances the well-being of flocks by significantly improving their feed conversion rate, overall performance and productivity.

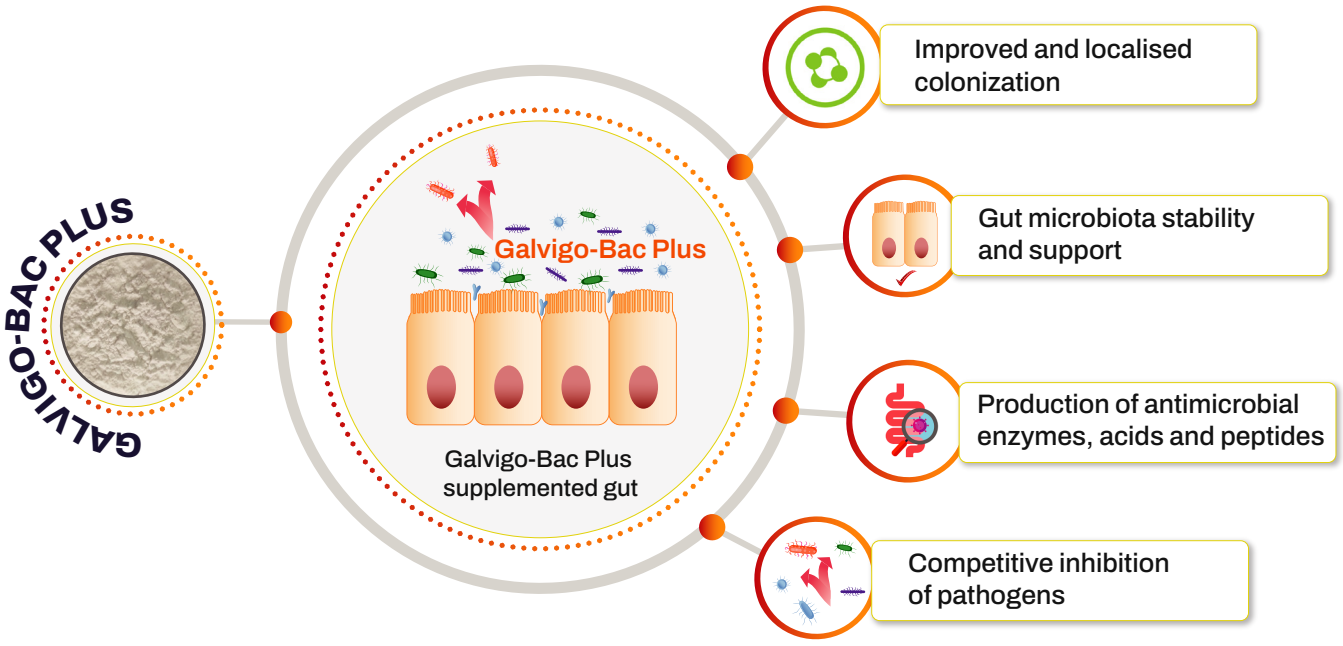
Ingredients

Microencapsulated *Lactobacillus rhamnosus* | *Enterococcus faecium* | *Pediococcus acidiliactici* | *Bacillus licheniformis* | Feed-soluble excipients

Features

- Multibacterial formulation with multiple benefits.
- Spore Mimic technology offers thermostability and controlled release in pellet feed.
- Better bioefficacy and feed conversion in low dose.

Mode of Action



Benefits

- Gut health improvement and superior thermostability
- Enhances growth indices
- Feed economics
- Improves immunity and stress tolerance
- Better Litter quality

Dosage

250g/ton of feed for broilers, layers and breeders or as suggested by Veterinarian/Nutritionist

Galvigo - Min

(Organic chelated trace minerals)

Galvigo-Min is a blend of organically bound trace minerals specially formulated for poultry nutrition. Minerals are chelated to specific organic ligands ensuring superior absorption, bioavailability and stability throughout digestion.



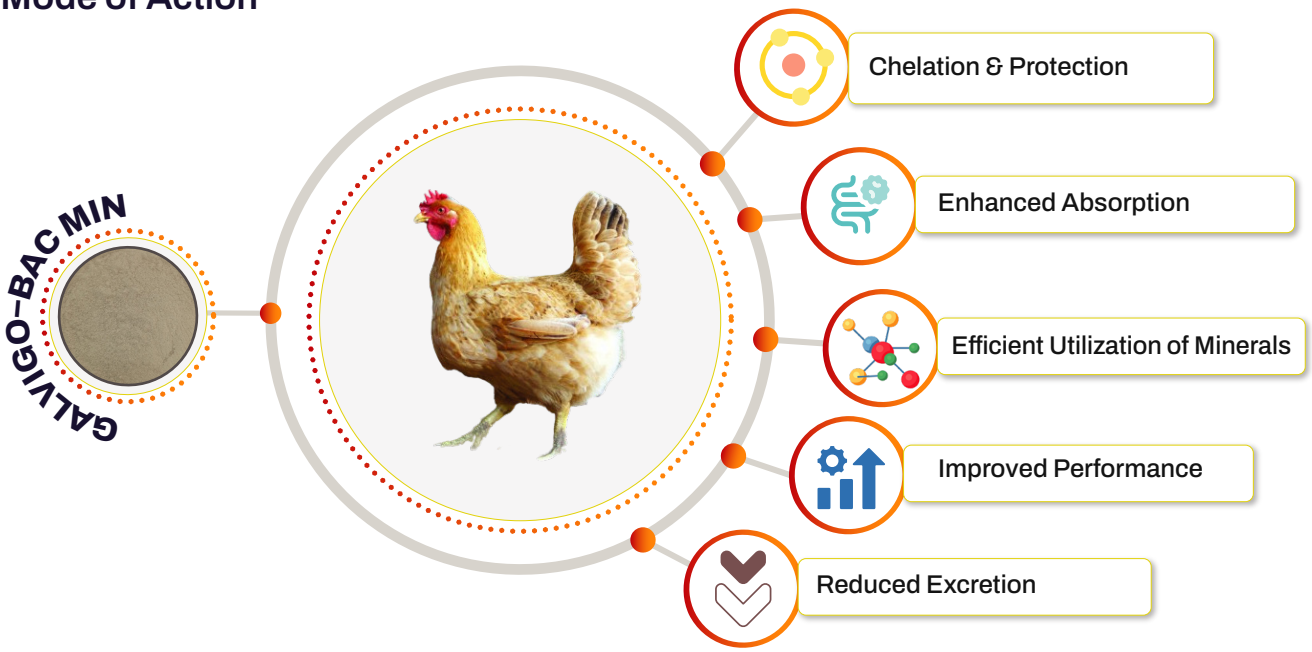
Ingredients

Mineral proteinates (Zinc, Manganese, Iron, Copper,Selinium,Chromium and Iodine)

Features

- Excellent stability – no caking or lump formation
- Superior flowability for uniform feed mixing
- Environmentally Sustainable

Mode of Action



Benefits

- Superior absorption and bioavailability of minerals
- Improved growth rate and feed efficiency
- Enhanced immunity and disease resistance
- Reduced mineral wastage and environmental impact

Dosage

Broilers and Layers : 0.5 - 1 kg per ton of feed
Breeders: 1 kg per ton of feed

Galvigo - ChicGel



(Chick hydrating gel)

Galvigo-ChicGel is a specialized nutrient-rich formulation developed to deliver essential hydration and early-life support to newly hatched chicks. Carefully engineered for **application via hatchery applicators** prior to transportation, the gel ensures chicks receive immediate access to hydration and energy. Ideal for pre-transport administration, this gel helps minimize early stress and mortality while enhancing chick vitality and performance from day one.

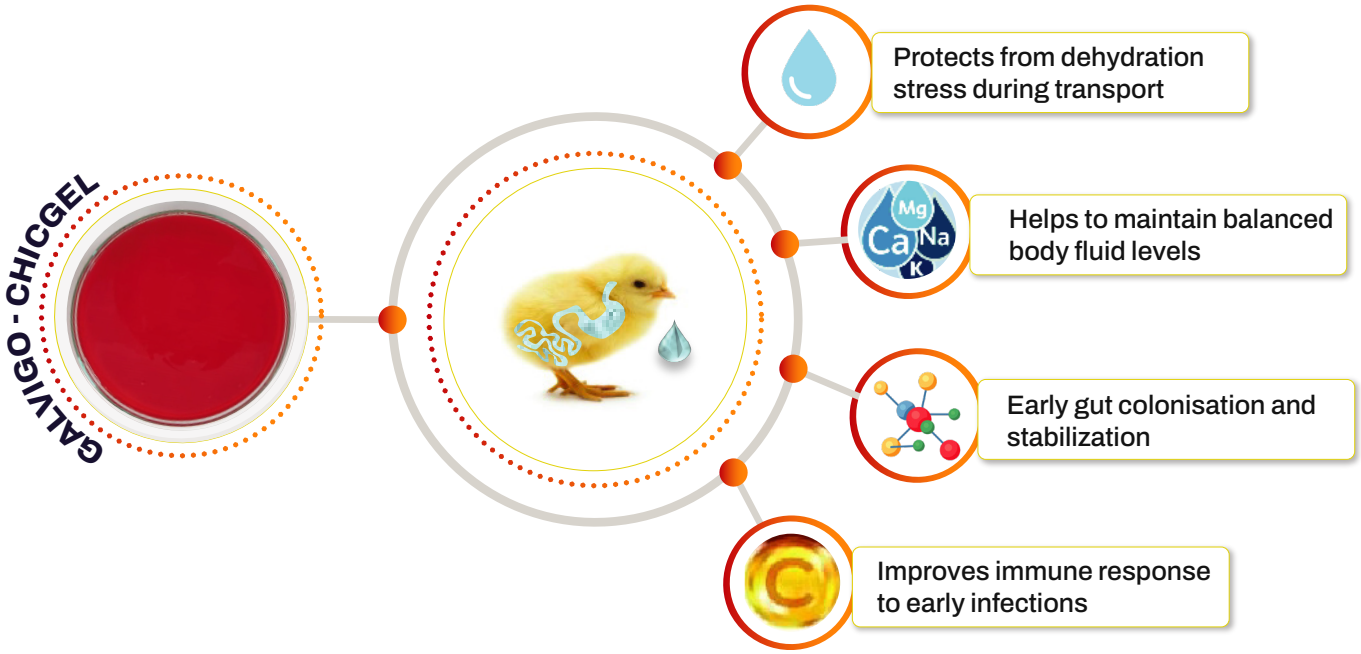
Ingredients

Electrolytes | Nutrients | Probiotics and Minerals | Gelling agents

Features

- Powder formulation that absorbs water and forms red-coloured flow able gel in 20-30 min.
- Bite-sized gel particles on chick feathers allows easy picking among chicks to one another
- Reduced wastage as gel is stable for 48h and sticks on chick feathers
- 100% biodegradable; compatible with feed additives

Mode of Action



Benefits

- No hypothermic shocks due to wetting of feathers
- Provides immediate rehydration to counter fluid loss during hatchery processing and transport
- Contains easily digestible energy sources to reduce fatigue and improve chick vitality
- Provides vital support during the feed-delay period post-hatch, ensuring chicks do not deteriorate before first access to starter feed
- Aids in establishing beneficial gut flora, promoting better digestion, nutrient absorption, and immunity

Dosage

100g in 2.5 L of water for 2500 day-old chicks or as suggested by Veterinarian / Nutritionist

Galvigo - Chic ProGel



(Hands-on hydrating gel for day old Chicks)

Galvigo Chic Progel is a critical pre-starter intervention for **manual application** formulated to prevent dehydration stress in day-old chicks, during transportation and the early hours post-hatch. The product comes as a stable powder formulation that, upon water absorption, rapidly transforms into visually attractive, green, bite-sized discrete gel. It ensures day old chicks have the hydration and support, setting the stage for improved growth, vitality, and productivity throughout the rearing cycle.

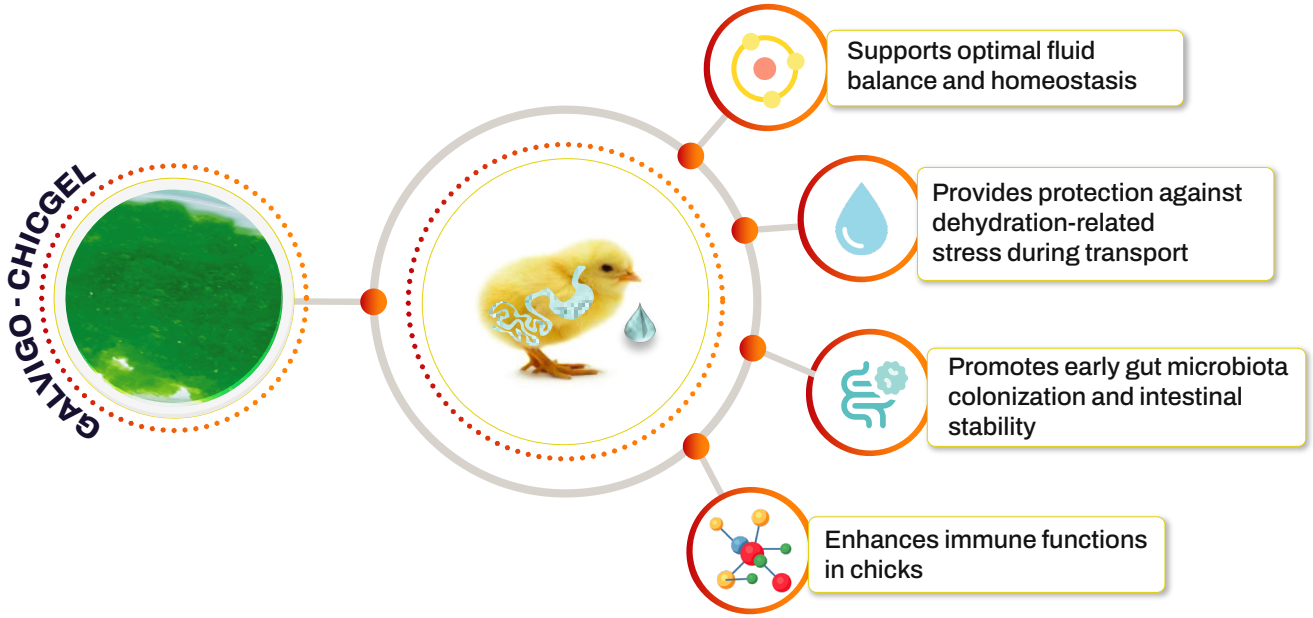
Ingredients

Probiotics | Nutrients | Electrolytes | Minerals | Gelling agents

Features

- Hydrocolloid based formula with 28x water-holding capacity
- Bright green color, palatable & attractive to chicks
- Non-sticky to chick feathers and non-wetting to carton containers
- Easy prep: Bite-sized gel forms in 5-10 min
- Compatible with feed additives
- Cost-effective

Mode of Action



Benefits

- Prevents dehydration and transit-related stress
- Provides immediate hydration and energy to weak or delayed chicks
- Encourages early pecking and feeding behaviour
- Supports gut health and immune function from the start
- Reduces early mortality and improves uniformity in chick performance

Dosage

175g in 5 L of water for 2500 day-old chicks or as suggested by Veterinarian / Nutritionist

Galvigo-DHA



(Natural Omega-3 fatty acid supplement)

Galvigo-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.

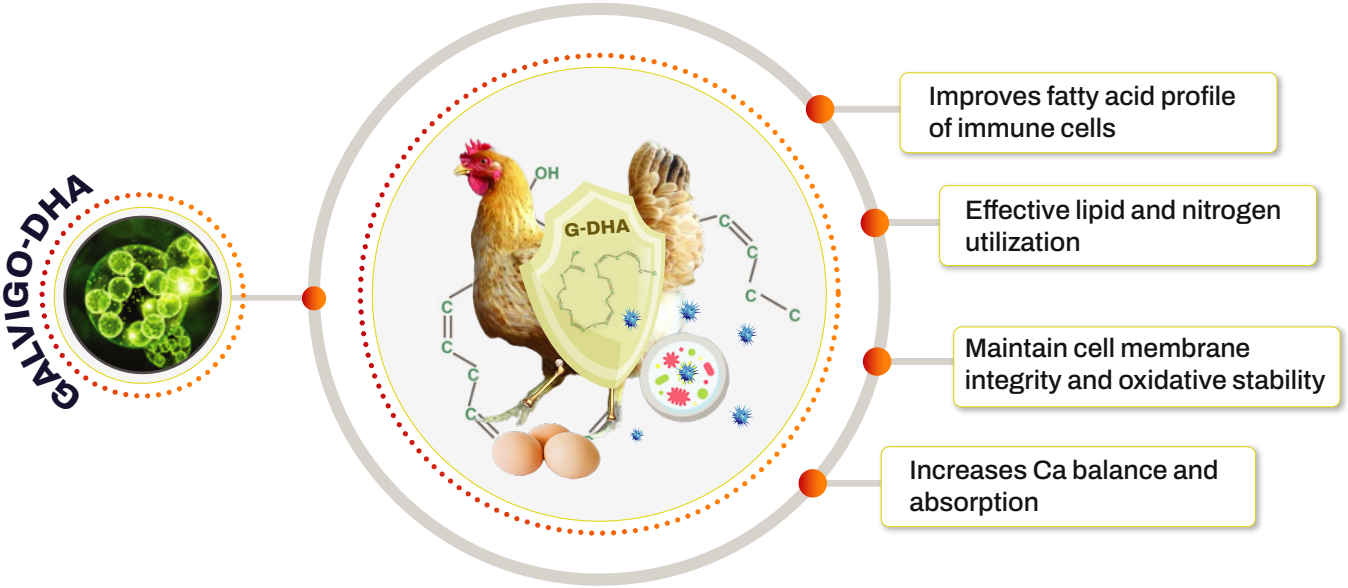
Ingredients

Algal DHA biomass | Excipients

Features

- Vegan algal nutritious supplement.
- Ensured to contain 20 ± 2 % DHA.
- Enriched with protein & calcium

Mode of Action



Benefits

- Enhances immuno competency
- Production of healthy functional meat and eggs
- Omega 3 enrichment and superior omega 3 and omega 6 ratio
- Increases fertility rate
- Intact gastro intestinal tract

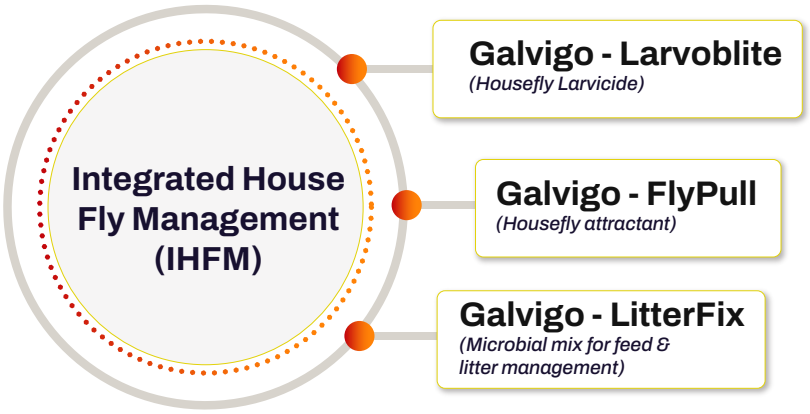
Dosage

- 3kg/ton of feed for general health
- 5-10 kg/ton of feed for egg enrichment based on the feed formulation or as suggested by Veterinarian / Nutritionist

Integrated House Fly Management (IHFM)

Integrated House Fly Management (IHFM) aims to create a sustainable and cost-effective approach to manage house fly populations with reduced reliance on chemical insecticides in poultry premises. The combination of biological and mechanical controls in IHFM targets overall lifecycle of fly starting from eggs to adult fly leading to better long-term control.

We offer three products for effective control of house flies in poultry houses.



1. Galvigo - Larvoblite

Galvigo - Larvoblite is a tailor-made product that disrupts the fly lifecycle by targeting the egg and larval stage, preventing the emergence of adult flies and, as a result, reducing the overall fly population. Galvigo - Larvoblite is a promising solution to poultry farmers as it offers instant killing of fly larvae and reduced or no resistance which highlights its application over commercial larvicides.

2. Galvigo - FlyPull

Galvigo - Flypull effectively attract house flies, enabling their capture and management in an eco-friendly, non-toxic manner. By drawing flies into mechanical traps before they have a chance to reproduce, Galvigo - Flypull helps decrease the fly population at its source—offering a sustainable, long-term approach to fly control that aligns with both environmental and health-conscious goals.

3. Galvigo - LitterFix

Galvigo - LitterFix is an innovative microbial consortia-balanced formula designed to optimize feed digestion in the gut and enhance litter quality. This advanced solution works by introducing beneficial microbes that support a healthy gut microbiome, aiding in the efficient breakdown and absorption of nutrients from feed. Galvigo - LitterFix ensures optimised gut homeostasis and reduces undigested waste and moisture, leading to cleaner, healthier litter thereby reduces the attraction to flies.

Galvigo - Larvoblite



(Housefly Larvicide)

Galvigo - Larvoblite is a natural formulation designed to kill fly larvae in manure, bedding, and other organic waste in poultry facilities. It disrupts lifecycle of fly by attacking at egg and larval stage, preventing adult fly emergence and thereby reducing the overall fly population in poultry facilities.

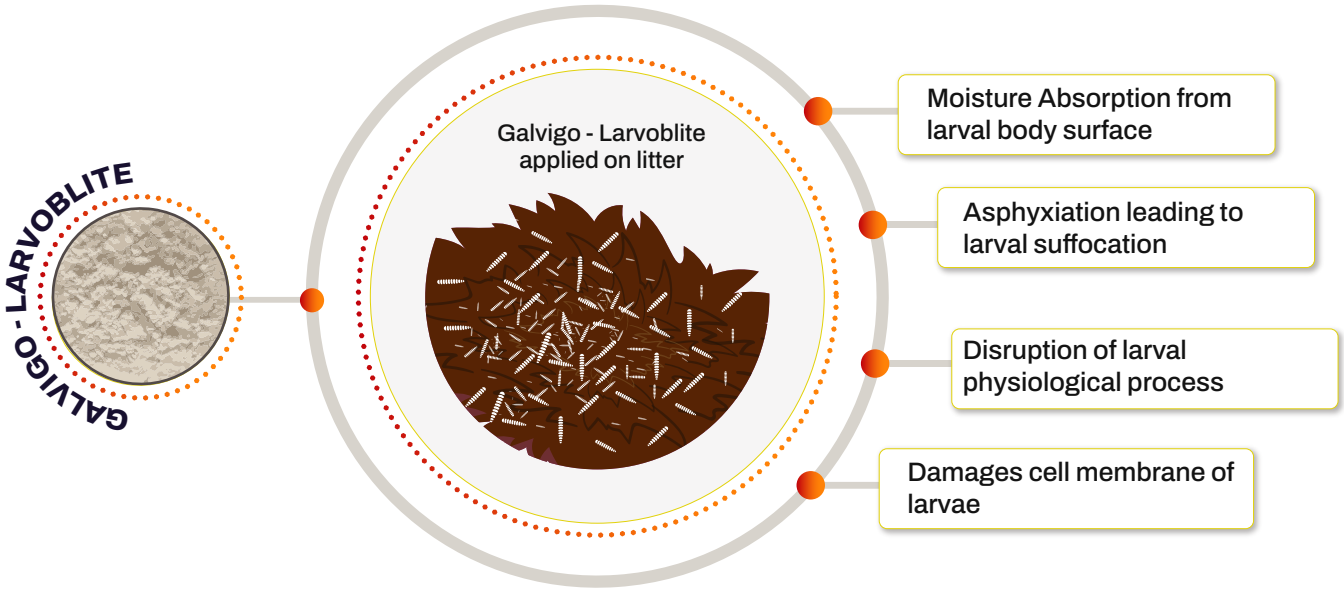
Ingredients

Natural mineral absorbent with stabilizers

Features

- Eco friendly natural formulation
- Easy to apply
- Non-toxic to non-target species
- Compatible with integrated pest management

Mode of Action



Benefits

- Targets fly larvae, preventing adult emergence and reducing fly populations in poultry facilities
- Helps limit the spread of pathogens by controlling flies, contributing to improved animal health.
- Non-toxic, making it safe for the environment and poultry
- Long-lasting effects with minimal need for frequent treatments, offering a cost-efficient solution for fly control

Dosage

- *25 kg of Galvigo - Larvoblite / 5000-7500 birds/ application
- 8-10 application is recommended for single shed/month for effective control; First four applications continuously in the first week will give promising control

*Applicable only for breeder and layer elevated shed with 10 ft height; Application is suggested on larval populated areas of poultry manure bed

Galvigo - Flypull



(Housefly attractant)

Galvigo - Flypull is formulated with natural, highly attractive ingredients that specifically target house flies, drawing them in from surrounding areas. By mimicking the environmental cues that flies are instinctively drawn to, it effectively channels them into mechanical traps before they can lay eggs and reproduce, thereby breaking the lifecycle at its source.

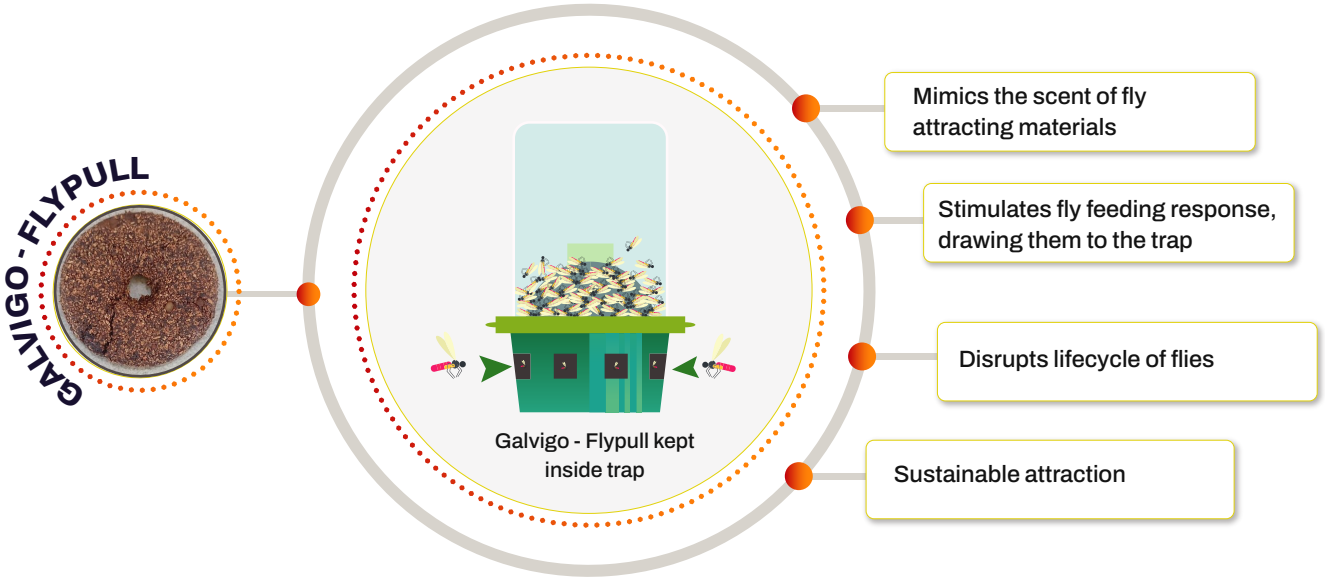
Ingredients

Naturally occurring plant derived bioactives with fillers

Features

- Effective lure by mimicking the precise scent of organic residues
- Designed for use in mechanical fly traps, ensuring precision fly control
- Easy to use and compatible with any type of mechanical traps

Mode of Action



Benefits

- Provides a non-toxic, chemical-free solution to fly control, reducing environmental harm
- Attracts flies before they reproduce, helping decrease fly populations at the source
- Requires minimal effort in application, making it easy to manage large areas efficiently
- Continuous use leads to long-term control, reducing the need for frequent interventions
- Safe for humans, pets, and livestock, making it a safer alternative to harsh chemicals
- Cost effective approach

Dosage

- Place one fly trap every 20 feet. A total of 60 traps/shed (5000-7500 birds/shed)
- One Galvigo - Flypull dunk is recommended per trap
- Replace the Galvigo - Flypull dunk in the fly traps once in seven day

Galvigo - LitterFix



(Microbial mix for feed and litter management)

Galvigo - LitterFix is an innovative microbial-balanced formula designed to optimize feed digestion in the gut and enhance litter quality. This advanced solution works by introducing beneficial microbes that support a healthy gut microbiome, aiding in the efficient breakdown and absorption of nutrients from feed. Galvigo - LitterFix ensures better nutrient utilization from feed and reduces undigested waste, leading to cleaner, healthier litter

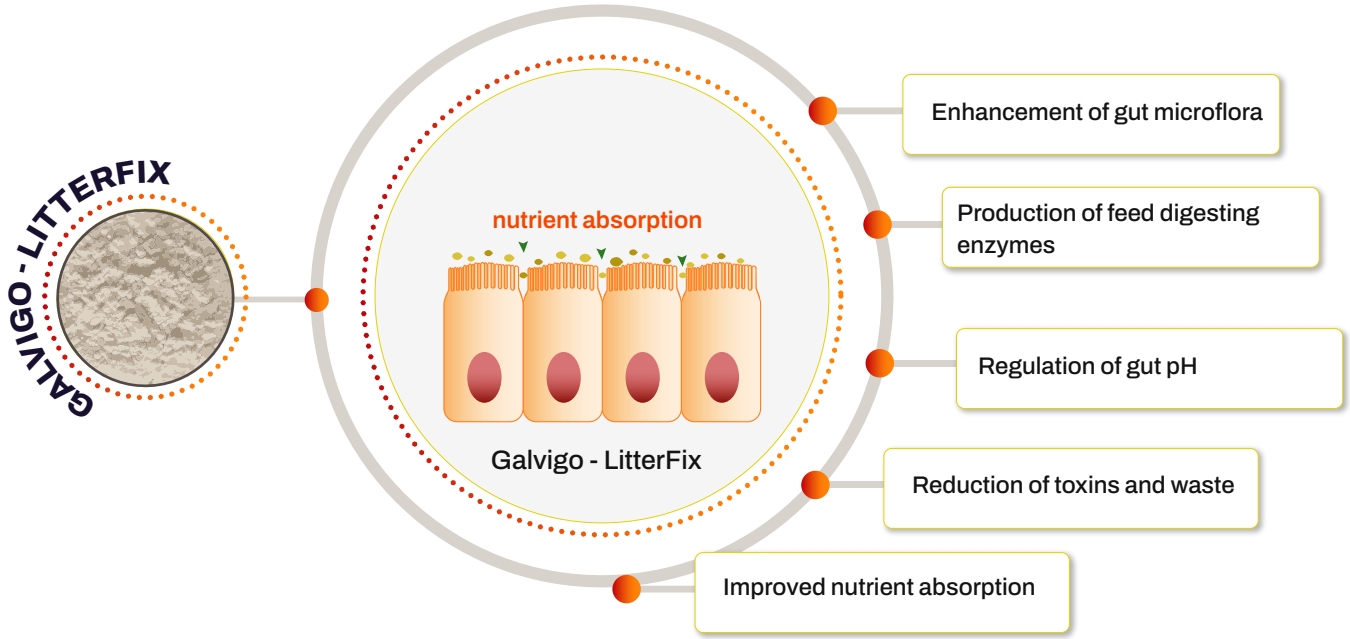
Ingredients

Probiotic consortia with digestogens

Features

- Multi-bacterial formulation for optimal gut health
- Enhanced bio-efficacy in the challenging gut environment
- Production of exoenzymes for improved feed digestion
- Contains antipathogenic metabolites to support gut immunity

Mode of Action



Benefits

- Maintain gut homeostasis
- Improved litter quality with less undigested feed
- Reduced fly menace in poultry premises
- Reduced foul odour and better litter durability
- Improved farm hygiene and thereby healthier birds

Dosage

100g/ton of feed or 30g/1000 birds/day in water or as suggested by Veterinarian/Nutritionist

Group Companies

BIOFARM an agro based R&D company was established in the year 1995 with a mission to promote usage of existing bio products and leverage the biotechnology research findings to develop new products

Ceresri is an overseas partner of Marisym Biologicals involved in agri-tech trading based in Singapore

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ROOTING INNOVATIONS

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