

# Poultry Fortune

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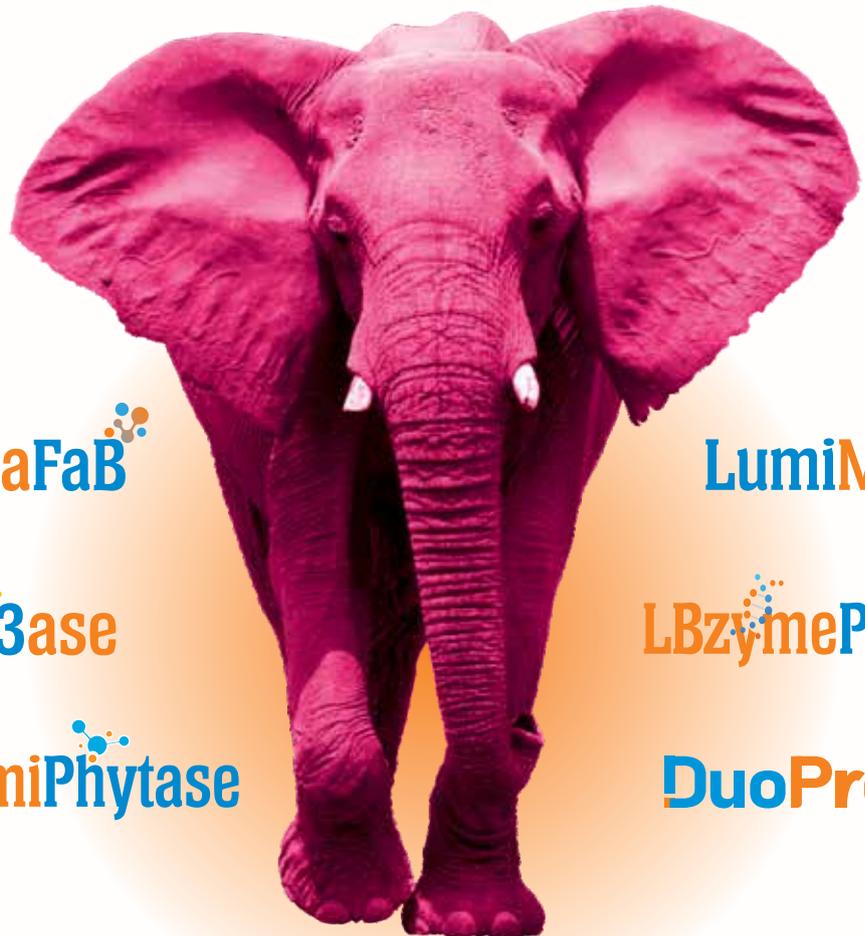
**Common Vices of Poultry and their Prevention**

**The Unsung Hero of Poultry Gut Health – A Natural Biopolymer.**

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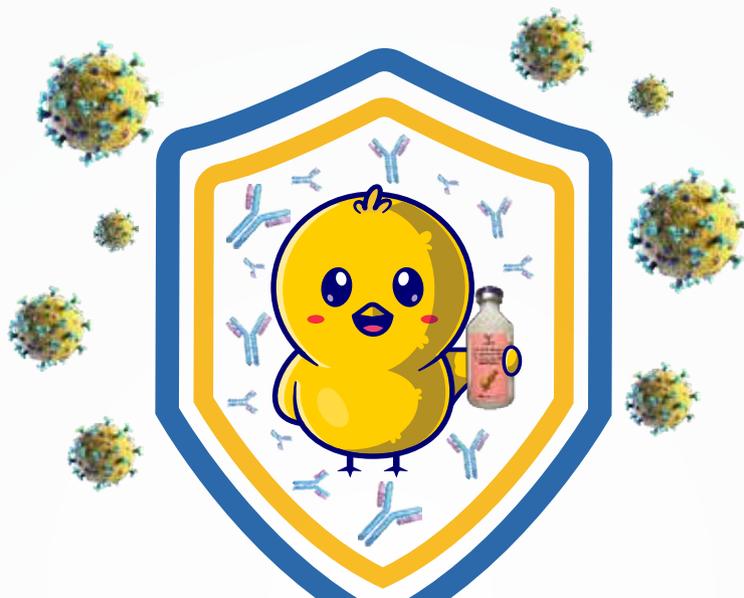
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**Northern Region**

<b>COMPANY:</b> Sampoorna Feeds  <b>FARMER NAME:</b> Mr. Jashandeep Singh Sidhu  	NOVEMBER-2025	Top #1
	Farm Type	Open House
	State	PUNJAB
	Chicks Placed	2509
	Mean Age	33.0
	Avg Body Wt	2460
	FCR	1.260
	cFCR	1.158
	Livability%	97.0
	Daily Gain	74.5
EPEF	573.9	

**Eastern Region**

<b>COMPANY:</b> IB Group  <b>FARMER NAME:</b> Mr. Kamal Krishna Roy  	NOVEMBER-2025	Top #1
	Farm Type	Open House
	State	BENGAL
	Chicks Placed	1354
	Mean Age	36.0
	Avg Body Wt	2777
	FCR	1.468
	cFCR	1.295
	Livability%	95.6
	Daily Gain	77.1
EPEF	502.6	

**Central Region**

<b>COMPANY:</b> Japfa  <b>FARMER NAME:</b> Mr. Suhas Patil  	NOVEMBER-2025	Top #1
	Farm Type	EC House
	State	MAHARASHTRA
	Chicks Placed	5972
	Mean Age	33.4
	Avg Body Wt	2463
	FCR	1.369
	cFCR	1.266
	Livability%	97.1
	Daily Gain	73.8
EPEF	523.3	

**South Region**

<b>COMPANY:</b> IB Group  <b>FARM NAME:</b> K S Poultry Farms  	NOVEMBER-2025	Top #1
	Farm Type	EC House
	State	KARNATAKA
	Chicks Placed	25945
	Mean Age	36.0
	Avg Body Wt	2731
	FCR	1.483
	cFCR	1.321
	Livability%	97.1
	Daily Gain	75.9
EPEF	496.9	

**NOVEMBER-Top PERFORMANCE BY AREA**

Area	Chicks Placed	Mean Age	BW	FCR	cFCR(2Kg)	Livability%	Daygain	EPEF
North EC House	12030	35.3	2631	1.370	1.230	97.2	74.5	528.3
North Open House	2509	33.0	2460	1.260	1.158	97.0	74.5	573.9
East EC House	6572	34.0	2357	1.427	1.348	97.2	69.3	472.2
East Open House	1354	36.0	2777	1.468	1.295	95.6	77.1	502.6
Central EC House	5972	33.4	2463	1.369	1.266	97.1	73.8	523.3
Central Open House	2793	32.3	2271	1.387	1.326	97.2	70.3	492.9
South EC House	25945	36.0	2731	1.483	1.321	97.1	75.9	496.9
South Open House	7616	36.0	2415	1.402	1.310	94.9	67.1	454.2

**NOVEMBER-Top 10 FIELD PERFORMANCE**

Flock	Farm Type	State	Chicks Placed	Mean Age	BW	FCR	cFCR	Livability%	Day Gain	EPEF
Flock 1	OPEN HOUSE	PUNJAB	2509	33.0	2460	1.260	1.158	97.0	74.5	573.9
Flock 2	OPEN HOUSE	PUNJAB	10390	33.0	2491	1.330	1.221	97.0	75.5	551.0
Flock 3	EC HOUSE	PUNJAB	12030	35.3	2631	1.370	1.230	97.2	74.5	528.3
Flock 4	OPEN HOUSE	PUNJAB	2505	32.1	2393	1.360	1.273	95.8	74.5	524.8
Flock 5	EC HOUSE	MAHARASHTRA	5972	33.4	2463	1.369	1.266	97.1	73.8	523.3
Flock 6	OPEN HOUSE	UTTAR PRADESH	9389	40.0	2960	1.347	1.134	95.1	74.0	522.3
Flock 7	OPEN HOUSE	PUNJAB	14630	32.0	2293	1.320	1.255	95.8	71.6	519.6
Flock 8	OPEN HOUSE	HARYANA	3775	29.0	1951	1.250	1.261	95.7	67.3	515.1
Flock 9	EC HOUSE	MAHARASHTRA	15489	32.6	2370	1.375	1.293	97.5	72.6	514.7
Flock 10	EC HOUSE	MAHARASHTRA	7875	35.0	2582	1.386	1.257	96.5	73.8	514.1

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# Why the World is Moving to Whole Egg Liquid !

The major problem faced by the industry currently is the increasing incidence of impairment of gut health that impacts general immunity among the birds and consequent drop in production performance and its efficiency in both layers and broilers. Natural biopolymers display the desired qualities for such an alternative and could potentially benefit the poultry industry.



Dear Readers,

The March 2026 issue of Poultry Fortune is in your hands. In the news section you may find news about...

From bakeries and restaurants to airlines, hospitals, hotels and food factories, Whole Egg Liquid (WEL) is steadily replacing table eggs around the world. A global perspective on safety, efficiency, sustainability and the future of egg usage in modern world kitchens. A quiet transformation in the way we use eggs. For generations, table eggs – raw eggs sold in their natural shell have been an essential part of daily life. From home kitchens to bakeries and restaurants, eggs have symbolized nourishment, versatility and tradition. However, as food systems have evolved, kitchens have become faster, larger and more regulated. Today's food industry demands consistency, safety, efficiency and sustainability. As a result, a quiet but powerful transformation is taking place across the world. This shift is not about abandoning tradition – it is about adapting to modern realities. What are table eggs and whole egg liquid ? Table eggs are eggs sold in shell form for direct human consumption. They are natural and familiar, but fragile, variable in size and require manual handling.

The Whole Egg Liquid is produced by breaking fresh table eggs in hygienic processing facilities. The shells are removed, the egg white and yolk are blended together, filtered and pasteurized to eliminate harmful bacteria. The liquid egg is then packed in food-grade containers and stored under refrigeration. The nutritional value of the egg remains the same. What changes is the way the egg is handled, stored and used. Liquid egg is not expensive. Inefficiency is expensive. Why does

whole egg liquid fits the modern world? Whole Egg Liquid is designed for today's kitchens. It offers consistency, safety, and efficiency without compromising nutrition.

EW Nutrition and GRASP have announced a significant strengthening of their collaboration through a new agreement that will see EW Nutrition increase its ownership stake in GRASP from its current position to full ownership over the next four years. This strategic move reflects both companies commitment to long-term growth and their shared vision for expanding EW Nutrition's market-leading position in the industry. The phased transition will ensure business continuity while supporting GRASP's ongoing operations and development initiatives in Brazil.

Why a heart surgeon recommends eggs every day for a longer life ? Cardiothoracic surgeon Dr Jeremy London asserts that daily egg consumption is safe and beneficial for most individuals, debunking cholesterol concerns. Eggs, rich in protein, vitamins, and antioxidants, support heart, brain, and overall health. He emphasizes whole eggs, healthy preparation, and balanced meals for longevity, advising regular health checks. Eggs have been at the heart of a longstanding and intense nutritional debate, particularly concerning their effects on cardiovascular health and cholesterol levels. One large egg delivers high-quality protein, essential fatty acids, a range of vitamins and minerals, and compelling antioxidants. This mix of nutrients makes eggs an important food for supporting cardiovascular health, brain health, eye health, and metabolic health. represent the nine essential amino acids in a balanced ratio for building and repairing tissues, muscles, and enzymes. Not only do proteins form an indispensable part of maintaining good muscles, but they also contribute to sustaining energy and repairing cells throughout life.

Contd on next page



**Poultry Fortune**

## Our Mission

**Poultry Fortune** will strive to be the reliable source of information to poultry industry in India.

**PF** will give its opinion and suggest the industry what is needed in the interest of the stakeholders of the industry.

**PF** will strive to be The Forum to the Stakeholders of the industry for development and self-regulation.

**PF** will recognize the efforts and contribution of individuals, institutions and organizations for the development of poultry industry in the country through annual Awards presentation.

**PF** will strive to maintain quality and standards at all times.

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The FSSAI has assured that eggs available in India are safe for human consumption, dismissing recent claims of nitrofurantoin contamination as misleading. Officials noted that trace residues below regulatory limits pose no health risk and emphasised adherence to food safety regulations. Amid the ongoing concerns of carcinogenic substances being found in eggs, the Food Safety and Standards Authority of India (FSSAI) recently categorically stated that eggs available in the country are safe for human consumption. Refuting the contamination claims as “misleading”, the regulator, in a statement, noted that “these are not supported scientifically and capable of creating unnecessary public alarm”.

Reinforcing Commitment to Customer Support, knowledge sharing and innovation. Aviagen India hosted the Aviagen India Technical School 2026 on 9 and 10 February in Hyderabad for their customer team members bringing together global poultry experts, industry professionals and customer team members across the country. The two-day technical forum served as a dynamic knowledge-sharing platform for improving the productivity in breeders and broilers covering health, incubation, technology advancements and management. Talks delivered by Aviagen experts and industry professionals globally representing genetics, applied physiology, nutrition, veterinary health and breeder services. The sessions reflected an integrated approach to breeder and broiler performance, emphasizing the alignment between genetic potential and management requirements. The event underscored the company’s focus on: Supporting breeder and broiler performance optimization, Enhancing biosecurity and flock health programs, Leveraging global research for local productivity gains, and Building technical capability through continuous education.

International Layer Distribution GmbH (ILD, part of the EW Group, Germany, a global leader in animal genetics, recently announced the incorporation of Lohmann Layers India Private Limited (LLI), reaffirming its long-term commitment to the rapidly expanding Indian poultry and layer industry. EW Group is a global, family-owned agribusiness headquartered in Germany, operating across the poultry and animal nutrition value chain. With activities spanning genetics, breeding, nutrition, and food, the Group focuses on sustainable, science-driven solutions and long-term partnerships to support efficient and responsible animal production worldwide. Lohmann Layers India Pvt Ltd has been established as an Indian subsidiary of International Layer Distribution (ILD) to strengthen Lohmann’s presence in India through direct engagement with the layer industry and farmers. The company will focus on delivering world-class layer genetics aligned with Indian farming conditions, while ensuring reliable, efficient, and PAN-India distribution of Lohmann’s Layer genetics. India’s poultry sector is witnessing strong structural growth, driven by population expansion, increasing urbanization, and growing awareness of protein-rich diets. Per capita egg consumption continues to rise with eggs emerging as one of the affordable, reliable, and hygienic sources of high-quality protein. With these strong fundamentals, the Indian layer poultry sector is expected to grow significantly in the coming years, representing only the early phase of India’s poultry growth journey.

Poultry farmers in Namakkal have reported an increase in the egg procurement price. They state that this rise is an unprecedented, all-time high. This has brought joy to the poultry farmers. However, the public is worried that the rise in egg procurement price might be reflected in the retail price, especially with the already high prices of chicken and mutton. The Namakkal

zone, which includes Namakkal, Salem, Erode, Perundurai, and Coimbatore, has a total of 1,300 poultry farms. These farms house 7.50 crore (75 million) egg-laying hens. They collectively produce 6.50 crore (65 million) eggs daily. The National Egg Co-ordination Committee (NECC), located in Namakkal, fixes the daily price for the eggs produced in Namakkal zone. After supplying the Tamil Nadu government’s Nutritious Meal Scheme and exports to foreign countries, the remaining eggs are dispatched daily in lorries for sale to various districts in Tamil Nadu and other states, including Kerala.

In the Articles section, Common Vices of Poultry and their Prevention by Dr R. Shirisha, Dr S. Divya, discussed that, Vice is a faulty bad habit acquired by the organism, which affects the health, well-being, behavior and performance of oneself as well as other animals of the group. Some of the vices have their origin in poor management, housing while some are nutritional. These vices can develop in poultry at any time if not carefully monitored right from the beginning. Overcrowding in poultry house which gives less opportunity for exercise and the less active birds pick up vices. Birds may suffer from certain vices (bad habits), which become quite extensive right from the beginning and their eradication poses a big problem. These vices may incur a huge loss to the poultry farmer. Some of the important vices are: Cannibalism; Egg eating; Egg hiding and Pica. Most common reasons for development of vices in poultry are, Overcrowding in the poultry house, Protein deficiency in the diet, Provision of less diet, Excess of corn / maize in the diet, Deficiency of arginine and methionine in diet, Deficiency of salt and minerals, Hemorrhages in the external genitalia due to laying stress and Genetic predisposition.

Another Article titled, The Unsung Hero of Poultry Gut Health – A Natural Biopolymer by Dr Chandramohan C S, Chief Technical Officer, Neotle Global Pvt Ltd says that, Indian poultry industry has been showing robust growth over the years including the Covid inflicted period. The value of poultry products produced in the country during 2021-22 was Rs 2.31 lakh Crores and its contribution to the value of total livestock products including milk has gone up from 17% in 2011-12 to 19% in 2021-22. The major problem faced by the industry currently is the increasing incidence of impairment of gut health that impacts general immunity among the birds and consequent drop in production performance and its efficiency in both layers and broilers. The response of the industry so far to combat this issue has been the usage of Antibiotic Growth Promoters (AGPs) in poultry feed. However, the growing concern on the potential of such a practice on building anti-microbial resistance (AMR) among microbes in the environment and consequent import regulations of different countries has compelled the industry to look for alternatives to the usage of AGPs. Natural biopolymers display the desired qualities for such an alternative and could potentially benefit the poultry industry.

Readers are invited to send their views and comments on the news, special feature and articles published in the magazine which would be published under “Readers Column” in the magazine. Time to time, we shall try to update you on various aspects of Poultry sector. Keep reading the magazine Poultry Fortune regularly and update yourself. Wish you all fruitful results in your efforts.

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# Why the World is Moving to Whole Egg Liquid !

From bakeries and restaurants to airlines, hospitals, hotels, and food factories, Whole Egg Liquid (WEL) is steadily replacing table eggs around the world.

Dr K. Somi Reddy, Director, Srinivasa Farms Pvt Ltd, Vijayawada, Andhra Pradesh.

**A global perspective on safety, efficiency, sustainability, and the future of egg usage in modern world kitchens.**

**A quiet transformation in the way we use eggs**

For generations, table eggs – raw eggs sold in their natural shell – have been an essential part of daily life. From home kitchens to bakeries and restaurants, eggs have symbolized nourishment, versatility, and tradition.

- However, as food systems have evolved, kitchens have become faster, larger, and more regulated. Today's food industry demands consistency, safety, efficiency, and sustainability.
- As a result, a quiet but powerful transformation is taking place across the world.
- From bakeries and restaurants to airlines, hospitals, hotels, and food factories, Whole Egg Liquid (WEL) is steadily replacing table eggs.
- This shift is not about abandoning tradition – it is about adapting to modern realities.

**What are table eggs and whole egg liquid?**

**Table eggs are eggs sold in shell form for direct human**



*A global perspective on safety, efficiency, sustainability, and the future of egg usage in modern world kitchens.*

**consumption. They are natural and familiar, but fragile, variable in size, and require manual handling.**

The Whole Egg Liquid is produced by breaking fresh table eggs in hygienic processing facilities. The shells are removed, the egg white and yolk are blended together, filtered, and pasteurized to eliminate harmful bacteria. The liquid egg is then packed in food-grade containers and stored under refrigeration.

**The nutritional value of the egg remains the same. What changes is the way the egg is handled, stored, and used.**

**Global trends: how the world uses eggs today**

- **In Europe, more than 60–70% of eggs used in bakeries, food service, and institutional kitchens are in liquid or processed form.**
- Strict food safety

regulations strongly discourage the handling of raw shell eggs in professional environments.

- In the United States, liquid eggs are the standard choice for airlines, hospitals, hotels, and quick-service restaurants.
- Consistency, hygiene, and speed have made Whole Egg Liquid indispensable in large-scale food operations.
- Asia has traditionally relied on table eggs, but this is changing rapidly.
- **Countries such as Japan, South Korea, Singapore, and China have embraced processed egg products.**
- India, while still at an early stage, is seeing fast adoption driven by large bakeries and food chains.

- The global trend is clear: commercial use of table eggs is declining, while processed egg products continue to grow.

**Limitations of table eggs in modern kitchens**

**While table eggs are natural, they present several challenges in high-volume and professional kitchens.**

- **Eggshells can carry bacteria, and cracking eggs increases the risk of contamination. One spoiled egg can compromise an entire batch of food.**
- **Handling table eggs is labour intensive.** Cracking, checking, separating, shell disposal, and cleaning consume time and manpower.
- **Table eggs are also prone to breakage during transport and storage.**
- Inconsistent egg sizes and yolk-to-white ratios lead to variation in cooking and baking results.

**Why does whole egg liquid fits the modern world?**

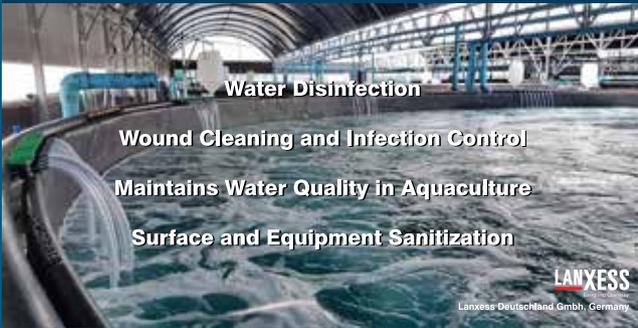
- Whole Egg Liquid is designed for today's kitchens.
- **It offers consistency, safety, and efficiency without compromising nutrition.**

For bakeries, liquid eggs provide uniform batter, faster production cycles, reduced labour dependency, improved yield, and easy scalability.

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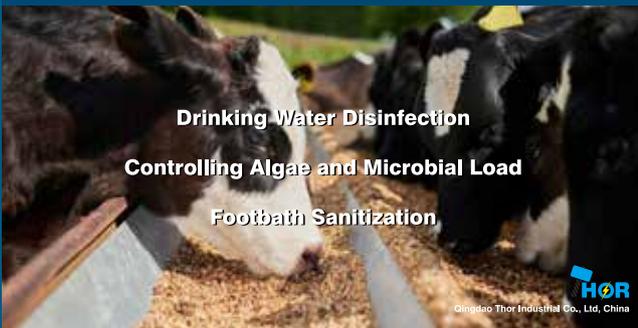
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Nutritional Supplements	DL-Tartaric acid, D-Tartaric acid, L-Arginine, L-Lysine HCl, Taurine, DL-Methionine, Glycine, Palmitic acid, Ascorbic acid, Bio Yucca, Creatine monohydrate, Lactose, Calcium propionate, Capric acid, L-Cysteine HCl mono
Energy Sources	Propylene glycol, Palmitic acid, Creatine monohydrate
Preservatives	4-Hydroxybenzoic acid, Calcium propionate, Ethyl lauroyl arginate, Phenoxyethanol, Sodium formate, Caprylic acid, Capric acid, Dodecyl guanidine hydrochloride, Fumaric acid, Palmitic acid, Lactose, Sodium percarbonate, Paraformaldehyde 91%
Disinfectants	Paraformaldehyde 91%, Butyl diglycol Sodium dichloroisocyanurate 60% (SDIC), Trichloroisocyanuric acid 90% (TCCA), Tetraacetylenediamine (TAED), 2,4-Dichloro-3,5-Dimethylphenol, 4-Chloro-3,5-Dimethylphenol, Benzalkonium chloride, Dioctyl dimethyl ammonium chloride 80%, Glutaraldehyde 50%, Propylene carbonate, Octyl decyl dimethyl ammonium chloride 80%, Potassium permanganate, Sodium percarbonate, Phenoxyethanol, Dimethylaminopropylamine, Oxone™
Veterinary Medicine Intermediates	Dibasic ester, Taurine, Capric acid, Lactose, Dimethyl sulfoxide (DMSO), L-Arginine, Palmitic acid, Propylene carbonate, Bio Yucca, Ascorbic acid, Propylene glycol, Sodium percarbonate, Phenoxyethanol, Caprylic acid, L-Cysteine HCl mono
Flavor Enhancers	Aspartame, Mono sodium glutamate, Lactose



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benefit from cleaner kitchens, improved food safety, faster service, and simplified workflows.

Institutions such as airlines, hospitals, and central kitchens rely on Whole Egg Liquid for its reliability, standardization, and audit-friendly nature.

**Is the higher price of whole egg liquid justified?**

**Whole Egg Liquid is typically priced 25–30% higher than table eggs. At first glance, this difference appears significant.**

However, when labour savings, reduced wastage, better yield, lower cleaning costs, and prevention of food safety incidents are taken into account, the true cost difference narrows or disappears entirely.

**Liquid egg is not expensive. Inefficiency is expensive.**

**Environmental and sustainability benefits**

**Whole Egg Liquid also supports environmental responsibility. Centralized processing reduces shell waste at kitchen level, lowers water usage for cleaning, minimizes food waste, and improves transport efficiency.**

Cleaner kitchens are not only more efficient – they are more sustainable.

**Beyond whole egg liquid: other egg processing products**

**The egg processing allows precision in food preparation.** Egg White Liquid (albumin) is valued for its high protein and zero-fat content and is widely used in bakery, confectionery, and nutrition

products.

**Egg Yolk Liquid is rich and creamy, used extensively in sauces, mayonnaise, and desserts.** These products allow kitchens to use exactly what is needed, with no waste.

**From tradition to intelligence**

Visbek and Curitiba, 3rd February 2026 – EW Nutrition and GRASP are pleased to announce a significant strengthening of their collaboration through a new agreement that will see EW Nutrition increase its ownership stake in GRASP from its current position to full ownership over the next four years.

This strategic move reflects both companies' commitment to long-term growth and their shared vision for expanding EW Nutrition's market-leading position in the industry. The phased transition will ensure business continuity while supporting GRASP's ongoing operations and development initiatives in Brazil.

"This agreement represents a natural evolution of our successful partnership," said Jan Vanbrabant, CEO of EW Nutrition. "We are excited to deepen our investment in GRASP and its exceptional team, products, and operations in Brazil."

GRASP's portfolio includes

The move from table eggs to Whole Egg Liquid is not a rejection of tradition – it is a natural evolution. Just as milk moved from loose sale to pasteurized packs, eggs are moving from shell to solution.

**Shell protected the egg for centuries. Today,**

**technology protects the kitchen. As food systems become faster, safer, and more responsible, the future of eggs is clear: Liquid, Clean, and Intelligent.**

Source: Avi News - 23rd January 2026 -

By Mr. A. Ashraf Ali

## EW Nutrition and GRASP Strengthen Strategic Partnership

world-leading products for toxin mitigation (Mastorsorb), gut health management (Activo) and other industry-recognized solutions. The company's dedicated team will remain focused on delivering the quality and innovation that have established GRASP as a trusted name in the market.

"We look forward to this next chapter in our partnership with EW Nutrition," said Alysson Hoffmann Pegoraro, GRASP Managing Director. "I am confident that this agreement will help to not only continue producing and delivering innovative solutions for our customers worldwide but further increase significantly the global footprint of GRASP."

The gradual transition to full ownership will be completed by the end of 2029, ensuring a smooth integration process that preserves GRASP's operational strengths and further solidifies EW Nutrition's market position.

**About EW Nutrition**

EW Nutrition is an animal nutrition company that offers integrators, feed producers, and self-mixing farmers comprehensive animal nutrition solutions for gut health management, feed quality, digestibility, and more. With production facilities, offices, and development centers on 6 continents, EW Nutrition researches, manufactures, markets, and services its products and programs to support customers wherever they are.

**About GRASP**

GRASP was founded in 2001 to provide the animal nutrition and health market with cutting-edge technological, natural, and functional products. Investment in industrial processes, manufacturing expansion, obtaining international certification (GMP+) and development and production units in Curitiba and in São Paulo ensure seamless quality and service for customers in around the world. Since 2011, it has been majority owned by EW Nutrition.



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## "Lumis Enzymes Showcases Global, Research-Backed Solutions at IPPE, USA"

The International Production & Processing Expo (IPPE), Atlanta, USA, once again proved to be a resounding success, highlighted by the largest trade show floor in the event's history and bringing together industry leaders from across the globe.

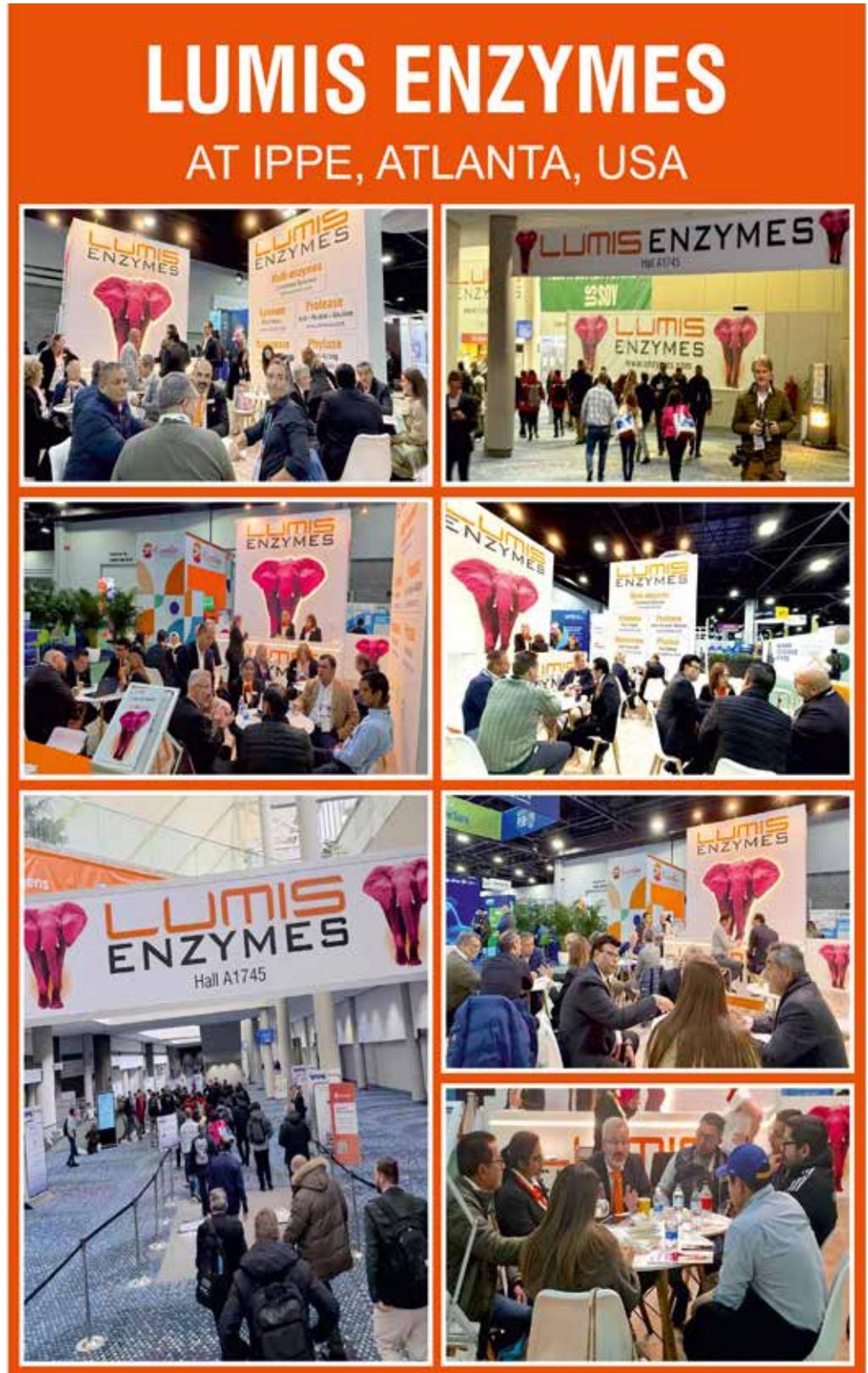
Lumis Enzymes marked a successful and impactful participation at IPPE, reinforcing its growing presence in the global animal nutrition industry. The exhibition provided an excellent platform for Lumis Enzymes to showcase its innovative enzyme solutions and engage with industry professionals across the animal feed sector.

Lumis Enzymes' booth drew strong interest from nutritionists, integrators, feed producers, and other industry professionals. Lumis presented insights from its latest global research and application developments, demonstrating its extensive R&D capabilities, worldwide field trials, and practical implementation expertise. The company highlighted how its enzyme solutions deliver quantifiable improvements in feed efficiency, nutrient utilization, and animal performance across diverse production systems.

Reflecting on the event, Lumis Enzymes'

successful participation at IPPE underscores the

company's dedication to supporting the animal nutrition industry with effective, sustainable, and performance-focused solutions.





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03

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04

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05

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06

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## Why a heart surgeon recommends eggs every day for a longer life



Cardiothoracic surgeon Dr. Jeremy London asserts that daily egg consumption is safe and beneficial for most individuals, debunking cholesterol concerns. Eggs, rich in protein, vitamins, and antioxidants, support heart, brain, and overall health. He emphasizes whole eggs, healthy preparation, and balanced meals for longevity, advising regular health checks.

Eggs have been at the heart of a longstanding and intense nutritional debate, particularly concerning their effects on cardiovascular health and cholesterol levels. While some health professionals express concerns and advise caution regarding egg consumption, there are others who enthusiastically endorse eggs, hailing them as one of nature's most complete and economical superfoods.

Dr. Jeremy London, a cardiothoracic surgeon with over 25 years of clinical experience, aims to set the record straight. According to him, for most people, enjoying eggs daily is not only safe but can also be one of the smartest choices you make for your health and longevity. Here's why...

Eggs are one of the most complete and economical foods in nature. One large egg delivers high-quality protein, essential fatty acids, a range of vitamins and minerals, and compelling antioxidants. This mix of nutrients makes eggs an important food for supporting cardiovascular health, brain health, eye health, and metabolic health.

**High-Quality Protein:** Eggs represent the nine essential amino acids in a balanced ratio for building and repairing tissues, muscles, and enzymes. Not only do proteins form

an indispensable part of maintaining good muscles, but they also contribute to sustaining energy and repairing cells throughout life.

**Choline:** Eggs are one of the richest dietary sources for this nutrient; choline is very important for brain activity and memory, integrity of cell membranes, signaling by the nervous system, and the proper functioning of the liver.

**Vitamins:** Eggs are a source of vitamin D, which is important in immune health and calcium regulation, and vitamin B12 for energy metabolism and the formation of red blood cells. Vitamin A, E, and folate contribute to skin, eye, and general cellular health.

**Antioxidants:** The antioxidants lutein and zeaxanthin in egg yolks protect against oxidative stress, while supporting

eye health by protecting the retina from damaging light.

As stated by Dr. London, the rich and dense nutrient composition found in eggs makes them not only an efficient food choice but also a highly powerful one. This makes eggs an ideal option for individuals who are looking to either maintain their health or make improvements to their overall well-being throughout their entire life.

### Debunking the cholesterol myth

One of the long-standing concerns regarding egg consumption is their cholesterol content. One large egg contains about 186 milligrams of cholesterol, which in the past had health professionals advise people to limit their egg consumption to prevent elevated blood cholesterol and heart disease.

Dr. London dispels this myth. Research now indicates that dietary cholesterol, such as what is found in eggs, does not equate directly to blood cholesterol for most people. He says:

Around 70% of the population are "hypo responders," meaning that they see little to no increase in blood cholesterol when consuming eggs.

About 30% are "hyper responders" who have a moderate increase in cholesterol. Often this is genetically based and it

## VITAMINS

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SWISS VITAMIN - C

SWISS VITAMIN - K

SWISS VITAMIN - D2

SWISS VITAMIN - B2

SWISS VITAMIN - B9

SWISS VITAMIN - D3

SWISS VITAMIN - B5

SWISS VITAMIN - B1

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- L-Threonine
- L-Tryptophan
- L-Valine
- L-Isoleucine

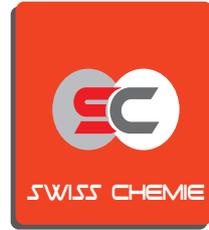


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- Levofloxacin
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- Anticoccidials





depends on the person's diet in general.

Importantly, even in hyper-responders, the increase tends to raise both LDL (frequently referred to as "bad" cholesterol) and HDL ("good" cholesterol) in a balanced way, keeping a healthy cholesterol ratio.

In any case, eggs are not a risk for most people from the point of view of their cholesterol, but a significant source of essential nutrients necessary for maintaining good heart and brain health. Dr. London reinforces that it is the overall dietary pattern that matters most, rather than completely avoiding eggs

### **Eggs and heart health**

While the recommendation of eggs for heart health may sound somewhat counterintuitive, Dr. London brings forth the benefits of eggs when eaten conscientiously. The protein and healthy fats in eggs can help control hunger and contribute to weight management, being a very

important determinant for reducing cardiovascular risk. Additionally, eggs may exhibit improved endothelial function—that is, the health of the blood vessels—which is crucial in the prevention of hypertension and heart disease. Antioxidants in eggs, in concert with a favorable nutrient profile, help lower two major culprits in heart disease: oxidative stress and inflammation.

Dr. London further notes that adding omega-3-enriched eggs, sourced from omega-3-fed hens, will add

extra heart-protective advantages, such as reducing triglycerides and enhancing cholesterol profiles.

Practical eating tips from Dr. London

Dr. London suggests having eggs every day, yet with a few considerations for maximum benefits without overdoing it:

- Use whole eggs to get the benefits of the protein, vitamins, and antioxidants in the yolk.
- For added safety and nutrition, you could consider sourcing

pasteurized eggs or omega-3-enriched varieties.

- Prepare eggs using healthier methods such as boiling, poaching, and light scrambling with minimal added fat.
- Combine eggs with vegetables, whole grains, or legumes to create a well-balanced meal that can keep one's heart healthy.
- Listen to your body and regularly check your cholesterol and other cardiac markers.

Eggs as a longevity food

Dr. London has over 25 years of experience, and he often calls eggs "fuel for longevity", and it is easy to see why.

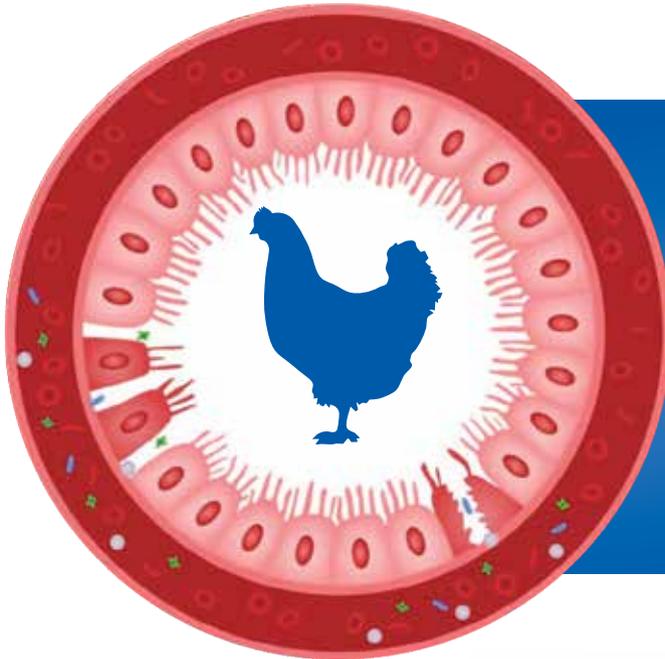
Eggs are relatively inexpensive and versatile; they fit easily into diverse diets and culinary traditions, making daily consumption both practical and enjoyable. Being affordable yet versatile, and fits into almost any diet, making it easy and enjoyable to include them in your everyday meals.





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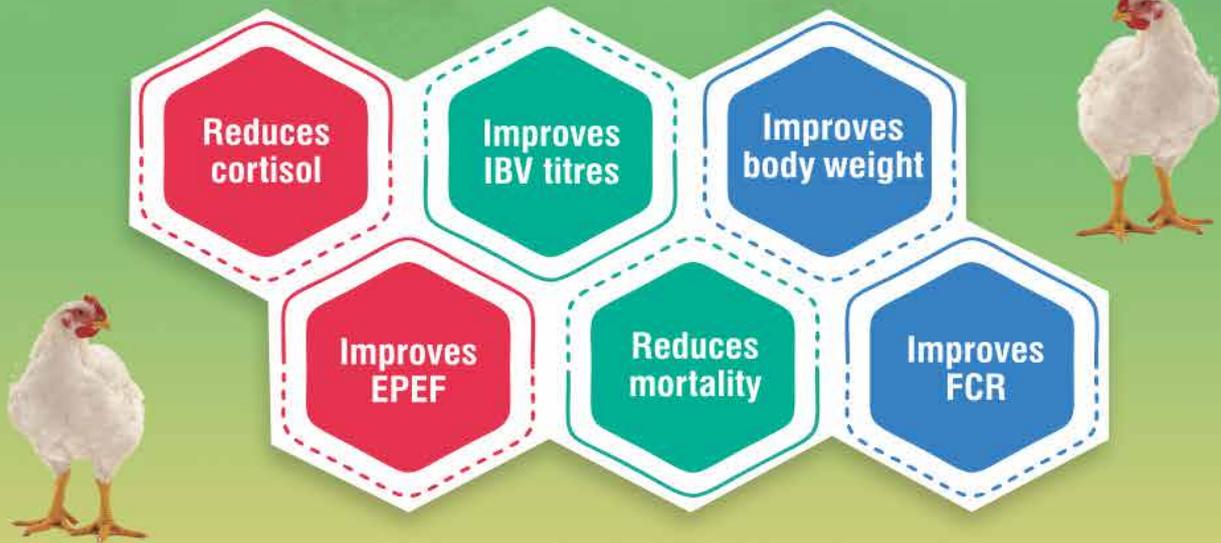
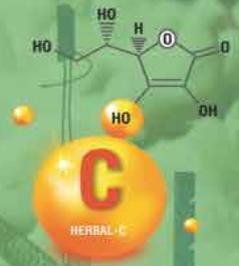
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## FSSAI confirms eggs in India are safe, dispels nitrofurantoin contamination concerns



The FSSAI has assured that eggs available in India are safe for human consumption, dismissing recent claims of nitrofurantoin contamination as misleading. Officials noted that trace residues below regulatory limits pose no health risk and emphasised adherence to food safety regulations.

**New Delhi:** Amid the ongoing concerns of carcinogenic substances being found in eggs, the Food Safety and Standards Authority of India (FSSAI) on Saturday categorically stated that eggs available in the country are safe for human consumption.

Refuting the contamination claims as “misleading”, the regulator, in a statement, noted that “these are not supported scientifically and capable of creating unnecessary public alarm”.

This comes as in recent days several media reports and social media posts alleged the presence of nitrofurantoin metabolites

(AOZ) — carcinogenic substances — in eggs.

The FSSAI officials clarified that “the use of nitrofurans is strictly prohibited at all stages of production of poultry and eggs under the Food Safety and Standards (Contaminants, Toxins and Residues) Regulations, 2011”.

According to FSSAI, an Extraneous Maximum Residue Limit (EMRL) of 1.0 micrograms per kg has been prescribed for nitrofurantoin metabolites solely for regulatory enforcement purposes. This limit represents the minimum level that can be reliably detected by advanced laboratory methods and does not indicate that the substance is permitted for use.

“Detection of trace residues below the EMRL does not constitute a food safety violation nor does it imply any health risk,” an official noted.

FSSAI further emphasised that India’s regulatory

framework is aligned with international practices.

Notably, the European Union and the US also prohibit the use of nitrofurans in food-producing animals and employ reference points for action or guideline values only as enforcement tools. Differences in numerical benchmarks across countries reflect variations in analytical and regulatory approaches, not differences in consumer safety standards.

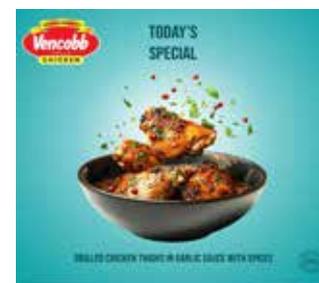
On public health concerns, FSSAI cited scientific evidence indicating that “there is no established causal link between trace-level dietary exposure to nitrofurantoin metabolites and cancer or other adverse health outcomes in humans”.

No national or international health authority has associated normal egg consumption with increased cancer risk, the authority reiterated.

Addressing reports related to the testing of a specific egg brand, officials explained that such detections are isolated and batch-specific, often arising from inadvertent contamination or feed-related factors, and are not representative of the overall egg supply chain in the country.

“Generalising isolated laboratory findings to label eggs as unsafe is scientifically incorrect,” the regulator stated.

The FSSAI also urged consumers to rely on verified scientific evidence and official advisories, reiterating that “eggs remain a safe, nutritious and valuable component of a balanced diet when produced and consumed in compliance with food safety regulations”.





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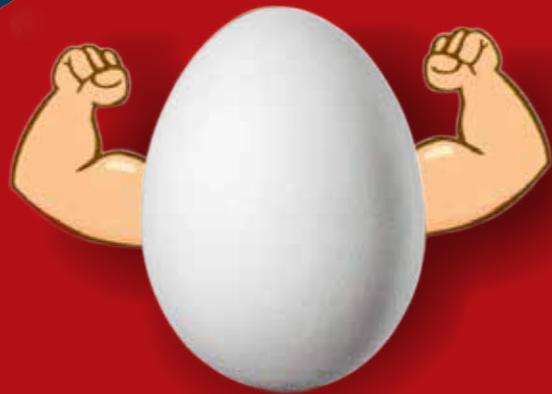
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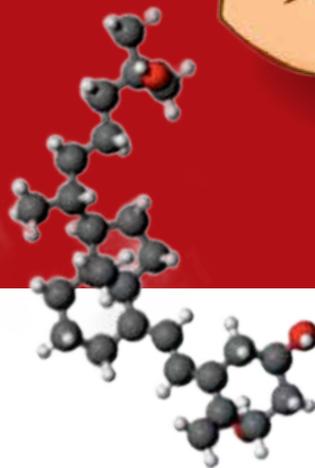
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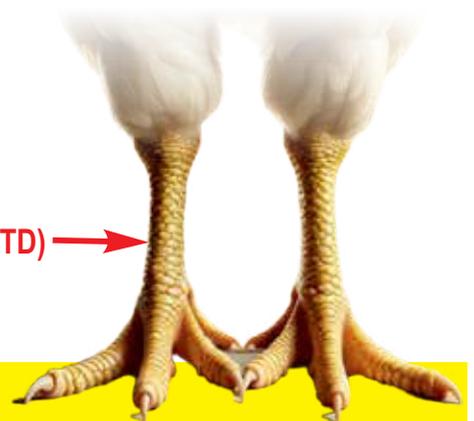


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# Aviagen India hosts Technical School 2026 in Hyderabad, Reinforcing Commitment to Customer Support, Knowledge Sharing and Innovation

**Hyderabad, India – February 2026:**

Aviagen India hosted the **Aviagen India Technical School 2026** on 9 and 10 February in Hyderabad for their customer team members bringing together global poultry experts, industry professionals and customer team members across the country.

The two-day technical forum served as a dynamic knowledge-sharing platform for improving the productivity in breeders and broilers covering health, incubation, technology advancements and management.

Talks delivered by Aviagen experts and industry professional globally representing genetics, applied physiology, nutrition, veterinary health and breeder services, including:

- **Santiago Avendano**, Global Vice President, R&D
- **Jens Lesuisse**, Global Product Director
- **Richard Bailey**, Head of Applied Physiology
- **Greg Hitt**, Regional

Technical Manager – Asia

- **Scott Dawson**, Regional Technical Veterinarian
- **Michael (“Mike”) Block**, Technical Service Manager
- **Jason Cormick**, Hatchery Specialist
- **Ruben Kriseldi**, Poultry Nutrition Specialist
- **Dr. R.V. Shantanavar**, Senior Technical Service Manager – Breeders
- **Dr. Sivakumar Duraisamy**, Senior Technical Service Manager – Health
- **Dr. Jayaraman**, Poultry Consultant

The sessions reflected an integrated approach to breeder and broiler performance, emphasizing the alignment between genetic potential and management requirements.

## Driving Performance Through Science and Collaboration

Aligned with Aviagen’s global core values — **Customer Success, Innovation, Integrity, and Continuous Improvement** — the Technical School

reflected the company’s ongoing commitment to delivering science-based solutions and practical insights to support customers in achieving excellent broiler results throughout the year.

The comprehensive agenda covered critical areas including:

Broiler breeder grading and feeding to peak, point-of-lay scoring for breeders, Embryonic requirements and incubation management, Feeding right particle size for broilers, Gut health management and its scoring, Immune-suppressive challenges and flock health optimization of broiler breeders, Pipped embryo testing at hatchery, Global R&D updates and Ross® 308 AP performance insights, Data-driven diagnostic breakout analysis at the hatchery.

Interactive quiz sessions and technical discussions ensured active participation, while reinforcing applied learning and field-level implementation.

## Global Expertise, Local

## Impact

The Technical School featured distinguished global and regional speakers from Aviagen’s technical, veterinary and research teams, including senior leaders from R&D, applied physiology, product management, nutrition, hatchery management and breeder services.

Their combined expertise highlighted Aviagen’s integrated approach — connecting global research advancements with practical, region-specific solutions tailored for the Indian poultry industry.

## Strengthening Industry Partnerships

By creating a collaborative environment for open dialogue and experience exchange, Aviagen India reaffirmed its commitment to long-term partnerships with customers. The event underscored the company’s focus on:

- Supporting breeder and broiler performance optimization
- Enhancing biosecurity and flock health programs



Participants in Aviagen India Technical School 2026 held at Hyderabad

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- SODIUM SELENITE
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- VITAMIN - C
- VITAMIN - K
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- L-TRYPTOPHAN

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## Lohmann Layers India Established to Strengthen Lohmann Presence and Long-Term Commitment to the Indian Layer Industry Through Direct Engagement with Farmers Across India

New Delhi, India February 12, 2026: International Layer Distribution GmbH (LDL, part of the EW Group, Germany, a global leader in animal genetics, today announced the incorporation of Lohmann Layers India Private Limited (LLI), reaffirming its long-term commitment to the rapidly expanding Indian poultry and layer industry

EW Group is a global, family-owned agribusiness headquartered in Germany, operating across the poultry and animal nutrition value chain. With activities spanning genetics, breeding, nutrition, and food, the Group focuses on sustainable, science-driven solutions and long-term partnerships to support efficient and responsible animal production worldwide.

Lohmann Layers India Pvt. Ltd. has been established as an Indian subsidiary of International Layer Distribution (ILD) to strengthen Lohmann's



*Dr Manoranjan Sharma,  
Commercial Technical Manager  
- Asia.*



*Antonio Paraguassu, Managing Director - ILD Asia, Australia, & Director - Lohmann Layers.*



*Dr Surendra K. Jangir, Managing Director - India, Lohmann Layers.*

presence in India through direct engagement with the layer industry and farmers. The company will focus on delivering world-class layer genetics aligned with Indian farming conditions, while ensuring reliable, efficient, and pure India distribution of Lohmann's Layer genetics

India's poultry sector is witnessing strong structural growth, driven by population expansion, increasing urbanization, and growing awareness of protein-rich diets. Per capita egg consumption continues to rise, with eggs emerging as one of the most affordable, reliable, and hygienic sources of high-quality protein.

With these strong fundamentals, the Indian layer poultry sector is expected to grow



*Amit, Director, JK Breeders.*



*Parminder Singh, Manager,  
IT & Media, Lohmann Layers,  
presenting a bouquet to a guest.*

significantly in the coming years, representing only the early phase of India's poultry growth journey. As egg quality and from profitability become increasingly critical for layer farmers, Lohmann's globally for superior egg quality, long laying cycles, and excellent feed-to-egg conversion offer a strong Lohmann's genetics recognized foundation for sustainable and profitable



*Dr P.K. Shukla*

egg production in India.

As part of this strategic development, Lohmann Layers India Pvt. Ltd. has taken over JK Breeders Pvt. Ltd. (JKB) and will now manage the commercial distribution



of Lohmann Layer Day Old Chicks (DOC) across India. This transition ensures continuity of supply, improved customer engagement, and enhanced operational efficiency for poultry farmers and enterprises nationwide

With Lohmann Layers



India Pvt. Lid. dirretty managing commercial DOC distribution, the company sims to work more closely with Indian layer farmers, ensuring consistem access to genetically improved, high-quality chicios supported by Lolunann's global breeding expertise and technical excellence.

Commenting on the development, Mr. Antonio Paraguassu, Managing Director-ILD Asia, Australia, & Director-Lohmann Layers, said:

"India is one of the world's most important and fastest-growing poultry ving poultry markets. The estblishment of Lokmane Layers India Per. Lat. reinforces our long-term commitment to Jalian farmers. By comhiang proven genetics, consistent supply, sunal technical excellence, we aim to support sustainable and profitable egg production across the country

Adding to this, Dr. Surendra K. Jangir, Managing

Director ector-India, Lohmann Layers, said

The formation of Lohmann Layers India Pvt. Ltd. reflects Lohmann Layers broader visdon to deepen market engagement in India, invest in breed development suited to Indian production systems, and build wriveg, long-term

world-class genetics, reliable supply, und strong technical suppor, enabling better productivity and long-term economic sustainability

**About Lohmann**

Lohmann is one of the world's leading layer genetics companies vender the EW Group, Germany,

from breeding programs to commercial layer farmers (GPPS commercial levels). ILD serves in a vital link between genetics and the commercial poultry industry, ensuring consistent supply. quality assurance, technical support, and customer service worldwide.

About Lohmann Layers India Pvt. Ltd. (LLI)

Lohmann Layçes India Priviste Limited (LLI) is the Indian subsidiary of ILD und has been established to manage and strengthen the commercial distribution of Lohmann Layer Day Old Chicks (DOC) across India. LL1 is mmsponsible for pan-India commercial DOC distribution, aligning global Lohmann genetics

with Indian furming conditions and requirements. The company is committed to supporting Indian poultry farmers through reliable supply, localized solutions, and long-term partnerships.



partnerships across the poultry value chiln

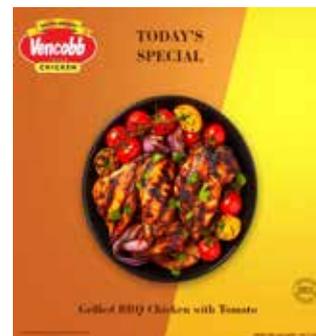
He further added:

"Aligrong with the vision of the Hon'ble Prime Minister of India. Shvi Narendra Modi, to double farwer's Income, Lohmane Layers India Pvt. Lid is committed to improving the profitability of Indian layer farmers by providing

specializing in the development, breeding, and global supply of high-performance layer stains. With decades of scientific expertise and innovation, Lohmann focuses on genetic progress, animal welfare. sustainability, and profitability for egg producers worldwide. Lohmann supplies layer genetics (GP/PS) to custisers in more than 100 countries

About International Layer Distribution (ILD)

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Contd. from page 22

- Leveraging global research for local productivity gains
- Building technical capability through continuous education

The Hyderabad edition of Technical School 2026 reflects Aviagen India's strategic priority of empowering customers with knowledge, tools and technical support necessary to sustain growth in a rapidly evolving poultry sector.

### Commitment Beyond Genetics

Aviagen's philosophy extends beyond providing world-class breeding stock. Through initiatives such as Technical School 2026, the company demonstrates its dedication to:

- Responsible and sustainable poultry production
- Scientific advancement through global R&D
- Transparent and ethical business practices
- Developing people and strengthening industry capabilities

As the Indian poultry industry continues to expand, Aviagen remains steadfast in its mission to deliver balanced breeding programs that optimize bird welfare, performance efficiency and economic returns for customers.

The successful completion of Technical School 2026 marks another milestone in Aviagen India's journey of partnership-driven growth and technical excellence.

## "Golden Egg" Laying Chickens! Procurement Price Reaches All-Time High in Namakkal

**Namakkal:** Poultry farmers in Namakkal have reported an increase in the egg procurement price. They state that this rise is an unprecedented, all-time high. This has brought joy to the poultry farmers. However, the public is worried that the rise in egg procurement price might be reflected in the retail price, especially with the already high prices of chicken and mutton.

### Namakkal Region: Overview

The Namakkal zone, which includes Namakkal, Salem, Erode, Perundurai, and Coimbatore, has a total of 1,300 poultry farms.

These farms house 7.50 crore (75 million) egg-laying hens.

They collectively produce 6.50 crore (65 million) eggs daily.

### Price Determination and Distribution

A meeting of the National Egg Coordination Committee (NECC), comprising zonal executives, seven area administrators under the Namakkal zone, and central committee members, was held today (18.11.2025) at the NECC Namakkal zonal office.

The Zonal Chairman, Mr. K. Singaraj, and the Zonal Vice-Chairman, Mr. V. P. Shanmugam, who played

The National Egg Coordination Committee (NECC), located in Namakkal, fixes the daily price for the eggs produced here.

After supplying the Tamil Nadu government's Nutritious Meal Scheme and exports to foreign countries, the remaining eggs are dispatched daily in lorries for sale to various districts in Tamil Nadu and other states, including Kerala.

The NECC, headquartered in Namakkal, announces the daily procurement price for eggs.

### The Price Hike

The egg procurement price in the Namakkal zone was previously ₹5.90 per egg.

In the recent NECC meeting in Namakkal, it was decided to increase the egg price by 5 paise (₹0.05).

Consequently, the egg procurement price has risen to ₹5.95 per egg.

This marks a new, unprecedented peak for the egg procurement price in the Namakkal zone.

Poultry farmers are delighted as the egg procurement price has been continuously rising for the past few days. The increase is attributed to higher demand for eggs in North Indian states. The price is expected to rise further.

In retail stores, the price of a single egg is currently being sold for ₹7.

### Public Concern

A fear has arisen that the rise in the procurement price will lead to an increase in the retail price.

The prices of chicken and mutton are already high.

Eggs, being rich in protein, are consumed by children, the elderly, and patients.

The common request from everyone is that this procurement price hike should not affect the common man.

## National Egg Coordination Committee, Namakkal Zone

a key role in ensuring the highest egg price in the Namakkal zone, were honoured by the executives of the National Egg Coordination Committee and the Tamil Nadu Poultry Farmers' Association.

The meeting was presided over by the NECC Namakkal Zonal Treasurer, Mr. Sundararaj. Area executives from Palladam, Erode,

Paramathi, Mohanur, Namakkal, PudhanSanthai, and Rasipuram, representatives of the Namakkal zone serving on NECC's Central Committee, members of the Namakkal Egg Price Fixation Advisory Committee, and members of the Egg Traders' Association participated in the meeting.

On behalf of the Tamil Nadu Poultry Farmers' Association, the Zonal Chairman, Mr. K. Singaraj, and the Zonal Vice-Chairman, Mr. V.

## Dr SKM Mylanandhan receives Padma Bhushan award



Dr SKM Mylanandhan

Dr SKM Mylanandhan, known as SKM received Padma Bhushan award from

the government.

His visionary leadership and pioneering contributions to the Indian poultry industry has transformed livelihoods, strengthened rural economies, and set new benchmarks of excellence.

Beyond business, Dr SKM Mylanandhan's unwavering commitment to social service and community development stands as an inspiration to generations. This prestigious recognition truly reflects his lifelong dedication, integrity, and service to the nation, said people in the sector.

P. Shanmugam, were honoured with shawls, flower garlands, and mementos.

All the executives who spoke at the meeting expressed their gratitude to the Zonal Chairman and Vice-Chairman for achieving the milestone of Rs. 6 as the highest egg price. They also appealed, on behalf of poultry farmers, that a "zero negative price" must be maintained under all circumstances.

In his address, the Zonal Vice-Chairman requested that all area executives and poultry farmers extend full cooperation to the Zonal Chairman in determining accurate egg prices.

Accepting the honours, the Zonal Chairman, Mr. K. Singaraj, stated that the primary reason for achieving the highest egg price not only in Namakkal zone

but also across India was the continuous export of eggs from Namakkal. He urged farmers to continue releasing eggs for sale regularly so that stocks do not accumulate and the zero-negative price structure can be maintained. He added that Rs. 6 is only a milestone and that there is a possibility of further price increase until the end of the winter season.

Furthermore, Mr. V. S. Balasubramaniam, Assistant General Manager of NECC, who has been working diligently for over 35 years under the guidance of three consecutive zonal chairmen, was honoured with a shawl on behalf of the poultry farmers.

The entire event was organised efficiently under the supervision of NECC Namakkal Zonal Treasurer, Mr. Sundararaj.

### FORM IV

Statement about ownership and other particulars about newspaper, Poultry Fortune, to be published in the first issue every year after the last day of February.

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I, M.A. Nazeer, hereby declare that the particulars given above are true to the best of my knowledge and belief.

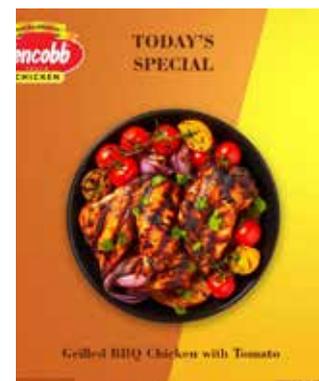
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'We are No 1 in Herbals in Poultry': Indian Herbs claimed that it is the pioneer, market leader and No.1 Company in Herbal Animal Health Care Products sector since 1951.

The company took participated in Kolkata International Poultry Fair 2026 held in Kolkata on 11 to 13 February 2026.



## Alltech launches nutrition service capabilities in South Asia with new state-of-the-art laboratory in Pune



Pune, India: Alltech President and CEO Dr Mark Lyons unveiled the Alltech Nutrition Service Laboratory at the company's Pune facility on Jan. 16, marking an important step in strengthening nutrition support across South Asia for Alltech. The event was attended by Alltech customers, farmers, partners, industry leaders and media and celebrated with music, dancers and floral decorations, reflecting the energy and optimism of the Alltech South Asia team.

The newly launched Nutrition Service Laboratory has been designed to support farmers at large and feed

producers across the region at a time when South Asia is facing increasing protein demand alongside growing feed quality and safety challenges.

“As South Asia grows, so does the region's demand for premium animal protein. This is a massive opportunity for South Asian farmers, but it requires a new level of precision,” said Dr Mark Lyons, president and CEO of Alltech. “By launching this new laboratory in Pune, we are delivering real-time, actionable intelligence. Pairing our laboratory precision with our on-farm tools such as Alltech RAPIREAD™ and infrared thermography

offers farmers a roadmap to superior animal health, stronger productivity and long-term sustainability.”

The lab can test 50 feed and raw material parameters in Phase 1, with plans to nearly double this capacity in the next phases. These services are complemented by advanced on-farm tools such as Alltech RAPIREAD, infrared cameras, eggshell analysis tools and Draeger meters, ensuring producers and farmers receive practical, science-based support across the poultry, dairy and aqua sectors.

Highlighting the importance of the new laboratory, Dr Aman Sayed, Alltech's managing

director for India and regional director for South Asia, emphasized its role in translating science into practical outcomes.

“The Nutrition Service Lab is not just a testing facility, it is a bridge between science and the farm,” said Dr Aman. “It helps the users to clearly understand what is happening in their feed and raw materials and allows us to guide them with practical, targeted nutritional solutions that deliver real value.”

Alltech South Asia is also pleased to announce expanded production capabilities with a new bolus manufacturing unit featuring a capacity of 10,000 boluses per hour. Bringing this production in house will enhance efficiency, improve supply reliability and reduce environmental impact,



all benefits that extend directly to neighboring markets.

The Pune facility also reflects Alltech's commitment to sustainability, with major investments in clean energy and environmentally responsible operations.



## Bhuvana NBS - Pinaluba host 4th Technical Seminar in Guwahati, Assam

Guwahati, Assam, January 28: Bhuvana Nutribio Sciences, India and Andres Pinaluba S.A., Spain organised its 4th Technical Seminar under the Bhuvana – Pinaluba Tech Series on 28 January 2026 at Rohika International Guest House, Guwahati, Assam, in collaboration with PDRC, Director of Research, AVFU. The event marked an important milestone in Bhuvana's and Pinaluba's ongoing efforts to promote science-led, practical solutions for poultry industry.

The seminar was anchored by Dr Nikhil Adagale, GM, Bhuvana NBS, and formally began with a welcome address by Dr Manoj Kumar Dev Sarma, Director Bhuvana, who emphasised the company's commitment to advancing poultry health through innovation and technical excellence. He also highlighted the importance of the Northeast in poultry production and encouraged the Vikasit Bharat mantra and self-sufficiency in this sector very soon. Dr Prabodh



Borah, Directorate of Research AVFU, addressed the gathering and highlighted the university's involvement in poultry development in this region and the scope of this sector for economic development. Dr Hiranya Kumar Bhattacharya, Director of the Extension Education, AVFU, also attended the session.

The keynote session was delivered by Dr Abhijit Mishra. His presentation on "Integrated Approach to Gut and Respiratory Health in Poultry" offered valuable scientific insights and practical strategies to improve flock performance and overall farm profitability. The presentation was informative on ground realities and widely appreciated by participants.

Following the keynote address, Dr Jyoti Kumar Mainali, Area Manager-Asia of Andres Pinaluba S.A. (APSA), presented an overview of the company's corporate profile and highlighted its European-origin Tiamulin

10% (APSAMIX TIAMULIN 10%), along with other research-driven products like APSAVIT OVOSMART, APSA MIOCHEM, APSA AMINOVIT developed through strong R&D capabilities.

Further, Dr Santosh Ire, Director, Bhuvana NBS, shared insights into Bhuvana's journey, outlining the organization's core strengths in gut health management and showcasing innovative tablet-based solutions designed to address key poultry health challenges. He also emphasised the new antiviral solution for coated viruses like IB, ND, AI (ViroStatAML) along with the technically leading Halquionol brand. Bhuvana's partner principles companies' summer solutions are unique and were shared with the audience.

The seminar witnessed participation from key poultry stakeholders and protein producers from the Northeastern region. The interactive session was well received with attendees appreciating the depth of technical knowledge,

practical relevance, and industry-focused discussions. Key protein producers who attended include Dr Pankaj Deka, Dr Mihir Sarma, Mr Atul Ghose, Mr Saju Ahmed, Mr Dimbeswar Thakuria, Mr Dinesh Deshmukh, Mr Sushank Bora, Mr Prasanta Dey, Mr Dr Manash Das, Dr Lakhi Saikia, Dr Sahjaman Ali, Dr Sanjib Khargharia, Dr Manoj Kumar Bora, Dr Ranjan Neog, Mr R. K. Jha, and others.

The event served as a branding and engagement platform for Bhuvana Nutribio Sciences, India, and Andres Pinaluba S.A., Spain, while also opening up new business opportunities across Assam and neighbouring states. Bhuvana and Pinaluba expressed sincere gratitude to all participating protein producers for their active involvement and encouragement towards its mission of delivering science-backed poultry solutions. Bhuvana Nutribio Sciences acknowledges the efforts put in by Dr Pankaj Deka and Dr Mihir Sarma.

The interactive session concluded with a Vote of Thanks by Mr Khanindra Nath Sarma, Business Manager, Bhuvana NBS North East, Bhutan & Myanmar.





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# Common Vices of Poultry and their Prevention

Dr R. Shirisha, Assistant Professor, Department of Poultry Science

Dr S. Divya, Assistant Professor, Department of Veterinary Pathology

College of Veterinary Science, Korutla, Jagtial-505326, P.V.Narsimha Rao Telangana Veterinary University

## Highlights:

Vice is a faulty bad habit acquired by the organism, which affects the health, well-being, behavior and performance of oneself as well as other animals of the group.

Some of the vices have their origin in poor management, housing while some are nutritional.

These vices can develop in poultry at any time if not carefully monitored right from the beginning. Overcrowding in the **poultry** house which gives less opportunity for exercise and the less active **birds** pick up **vices**.

Overcrowding genetic predisposition.

Haemorrhages in the external genitalia due to laying of large eggs

Protein deficiency in the diet or provision of less diet or excess of corn in the diet.

Deficiency of arginine and methionine.

deficiency of salt and minerals.

Loss of feathers from the body or haemorrhage from the skin due to parasitic infestation.

Wounds inflicted by fighting between the birds.

**Symptoms-** Presence of wounded or dead birds showing wound but otherwise appear healthy is indicative of cannibalism.

## PREVENTION

Debeaking which can be done right from the day old chicks to any age. It can be done either manually or mechanically. Mechanical way of debeaking has an advantage that it does not require second cutting of beak which is sometimes required in case of manual debeaking. One-third of the upper beak and tip of the lower beak is to be trimmed.

To stop bleeding, hot iron rod is touched at the site of cut. Debeaking must be performed by a competent and trained person, otherwise there may be excessive bleeding and the bird may die due to starvation. These days debeaking has become mandatory in almost all poultry farms.

Birds involved in cannibalism must be isolated.

## INTRODUCTION

Birds may suffer from certain vices (bad habits), which become quite extensive right from the beginning and their eradication poses a big problem.

These vices may incur a huge loss to the poultry farmer. Some of the important vices are

1. Cannibalism
2. Egg eating
3. Egg hiding
4. Pica.

Most common reasons for development of vices in poultry are, Overcrowding in the poultry house Protein deficiency in the diet Provision of less diet Excess of corn/maize in the diet Deficiency of arginine and methionine in diet Deficiency of salt and minerals Hemorrhages in the external genitalia due to laying stress and, Genetic predisposition

### 1. CANNIBALISM

Cannibalism is a condition in which birds of a flock attack their pen mate and eat its flesh, which may impose deep wounds and heavy mortality.



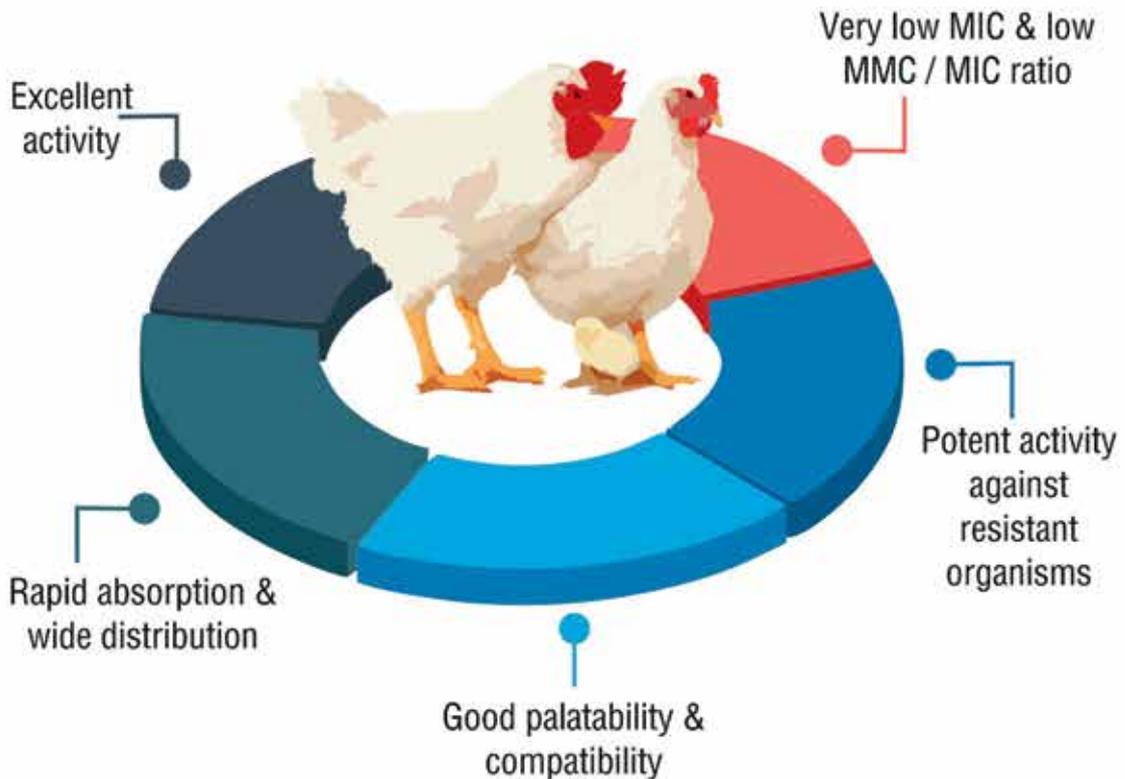
Vent pecking is common in laying birds. Once the birds adopt this vice it spreads rapidly through the flock.

Poultry farmer must remain vigilant to prevent cannibalism as it has got no direct treatment.

Presence of wounded or dead birds which are showing wound but otherwise appear healthy are indicative of cannibalism

Following are some of the causes responsible for cannibalism

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Wounded birds should also be segregated and given proper treatment.

Overcrowding of the birds must be immediately corrected.

Feed must be available in sufficient quantity at all the times.

Laying nests must be built at peaceful, isolated places, because the congested external genitalia of layers, following laying, attracts other birds for cannibalism.

Provision of red bulbs near laying nests may help during the period of the problem.

Quantity of vitamin, mineral mixture and salt may be marginally increased in poultry ration.

Increased amount of methionine in the diet is said to prevent this habit in layers.

## 2. Egg Eating

Sometimes birds develop the tendency to eat their own eggs.

It becomes quite difficult to prevent this vice.

It may start due to the presence of cracked eggs or accidental breaking of eggs and once the birds develop taste for it they start breaking their own eggs.



*Egg eater birds*



*Eating dead birds*

Factors responsible for breaking of egg or cracking of egg are thin or soft egg shell or lack of sufficient bedding material in the laying area.

Presence of eggs for longer period in the pens may also encourage the birds to start egg eating.

### PREVENTION

Isolate the birds which have developed this habit.

In consultation with the expert, the quantity of lime stone and protein should be increased in the diet.

Egg eaters should be kept in a cage in which egg rolls away, beyond the reach of the bird after laying of the eggs due to slope.

Debeaking also reduces this tendency.

Darkness in the laying area may prevent his habit.



Egg collection interval should be reduced.

## 3. Egg Hiding

Egg hiding is a maternal instinct of jungle fowl and is not encountered in domestic fowl. But sometimes this habit may develop in the domestic fowl which are allowed freedom of movement.

They hide the eggs in the field, bushes etc.

### PREVENTION

Restrict freedom of movement of the birds.

Laying area should be built inside poultry house and made comfortable by providing sawdust, straw etc.

## 4. PICA

Birds start eating materials which are not fit for consumption, such as feathers, litter material, threads, etc.

It is less commonly found in modern poultry farm.

Phosphorus deficiency, parasitic infestation, new litter material etc. may predispose the birds to pica.

Good managerial care and balanced diet are recommended for the prevention of pica.



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# The Unsung Hero of Poultry Gut Health – A Natural Biopolymer

Dr Chandramohan C S, Chief Technical Officer, Neotle Global Private Limited

Indian Poultry industry has been showing robust growth over the years including the Covid inflicted period. The value of poultry products produced in the country during 2021-22 was Rs. 2.31 lakh Crores and its contribution to the value of total livestock products including milk has gone up from 17% in 2011-12 to 19% in 2021-22.

The major problem faced by the industry currently is the increasing incidence of impairment of gut health that impacts general immunity among the birds and consequent drop in production performance and its efficiency in both layers and broilers. The response of the industry so far to combat this issue has been the usage of Antibiotic Growth Promoters (AGPs) in poultry feed. However, the growing concern on the potential of such a practice on building antimicrobial resistance (AMR) among microbes in the environment and consequent import regulations of different countries has compelled the industry to look for alternatives to the usage of AGPs. Natural biopolymers

display the desired qualities for such an alternative and could potentially benefit the poultry industry.

Several natural biopolymers exhibit antibacterial properties, making them valuable in fields like food preservation, biomedicine and agriculture. Various such biopolymers derived from versatile sources such as crustacean shells, insect exoskeletons, fungal cell walls and plant-based biopolymers exhibit antibacterial, anti-inflammatory, bio-compatible, and bio-degradable properties making them best suited for preventing bacterial infections in poultry and maintaining poultry gut health.

Such types of natural biopolymers have gained recent attention in poultry production as promising feed additives for supporting gut health, particularly due to their antimicrobial, prebiotic and immune-boosting properties. Here is a closer look at how those biopolymers can positively influence poultry gut health and the mechanisms behind their potential

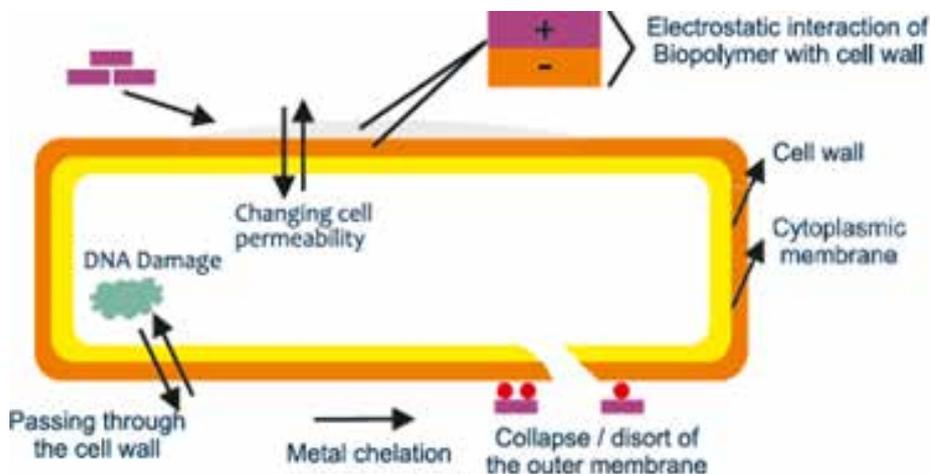
benefits.

## 1. Antimicrobial Properties:

- **Description:** Natural polymers have broad-spectrum antimicrobial effects against various pathogenic bacteria such as *E. coli*, *Salmonella*, and *Clostridium perfringens* which mostly cause harm to poultry gut health. They work by disrupting bacterial cell membranes, thereby inhibiting growth of such bacterial pathogens without negatively affecting beneficial bacteria.
- **Benefits for Gut Health:** By reducing harmful bacterial populations, they help in maintaining a balanced gut microbiome of beneficial bacteria, which can prevent dysbiosis and related issues like necrotic enteritis and thereby ensure optimum performance of the birds matching their genetic potential.

## 2. Prebiotic Effects:

- **Description:** Natural biopolymers can act as prebiotic, serving as substrates for beneficial bacteria like *Lactobacillus* and *Bifidobacterium*, which promote gut health by producing short-chain fatty acids (SCFAs).
- **Benefits for Gut Health:** SCFAs like butyrate support intestinal health by serving as an energy source for intestinal cells, reducing inflammation, and enhancing gut barrier function. This can improve nutrient absorption and feed efficiency.



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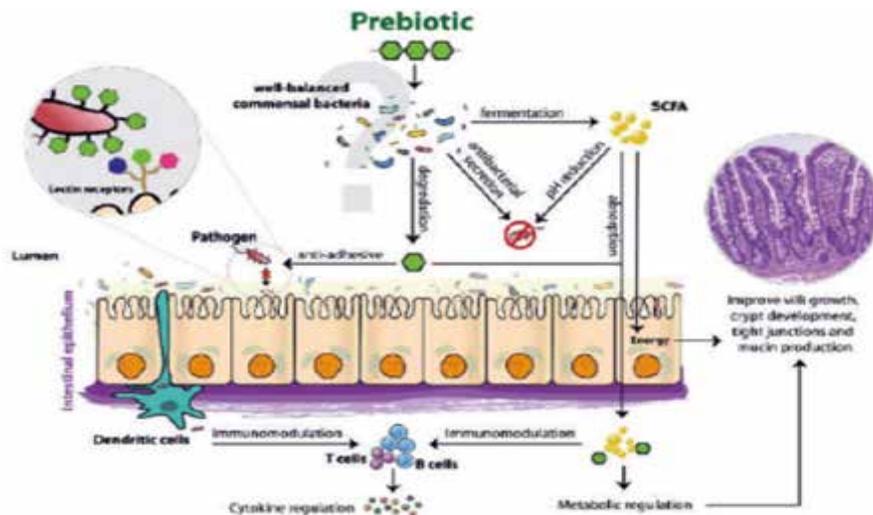
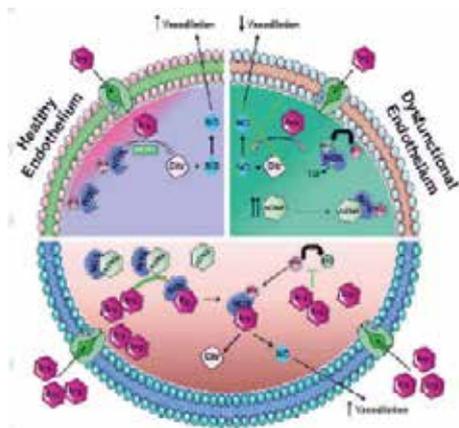
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### 3. Immune Modulation:

- **Description:** Natural biopolymers have shown their ability to enhance immune responses in poultry by stimulating the activity of macrophages, T-cells, and cytokines. They also help in reducing inflammatory responses.
- **Benefits for Gut Health:** A stronger immune system helps birds to resist infections, reducing the risk of gut inflammation caused by pathogens. This can lead to fewer disease outbreaks and lower use of antibiotics in flocks.

### 4. Enhanced Gut Barrier Integrity:

- **Description:** Natural biopolymers have been shown to strengthen the gut barrier, helping to prevent the entry of harmful pathogens and toxins from gaining entry in to the bloodstream through the gut.
- **Benefits for Gut Health:** A more robust gut barrier reduces the risk of systemic infections and chronic inflammation, leading to healthier and more productive birds.

### 5. Antioxidant Properties:

- **Description:** Natural biopolymers also exhibit antioxidant activity, which helps in neutralizing free radicals and reducing oxidative stress in poultry. Oxidative stress is known to damage the gut lining and impair immunity.
- **Benefits for Gut Health:** By reducing oxidative stress,

they help to protect intestinal cells, promoting a healthier gut environment conducive to efficient digestion and nutrient uptake.

### Improvement in Production Performance:

- **Description:** Due to the combined antimicrobial, prebiotic, and immune-boosting effects, natural biopolymers improve feed efficiency and growth and egg production performance in poultry.
- **Benefits for Gut Health:** Healthier birds with better gut health can convert feed more effectively into body mass/egg number, which is particularly beneficial for fast-growing broiler germplasm. In addition, improved gut health in laying hens can lead to higher egg production and egg quality.

### Practical Applications of Natural Biopolymers in Poultry Production:

- **Dosage and Formulation:** Natural biopolymers are typically added to feed in concentrations ranging from 50-500 mg/kg, depending on the formulation and specific poultry needs.
- **Use in Antibiotic-Free Systems:** They are particularly useful in antibiotic-free poultry systems, where they can serve as an alternative to traditional growth-promoting antibiotics/antibacterials.

- **Combination with Other Additives:** They can be used alongside probiotics, prebiotics, and organic acids to create a synergistic effect, enhancing gut health benefits.

### Economic Benefits of Using Natural Biopolymers:

- **Reduced Feed Costs:** Natural biopolymers can improve feed efficiency, meaning less feed is required per unit of weight gain/per dozen eggs.
- **Lower Healthcare Costs:** By reducing the incidence of gut-related diseases, they can help lower costs associated with veterinary treatments and medications.
- **Improved Product Quality:** Healthier birds produce higher-quality meat and eggs, which can fetch better market prices.

### Conclusion:

Thus, natural biopolymers offer multiple benefits to the fast growing poultry industry by ensuring robust poultry gut health, enhancing growth/egg production performance, supporting immune function, improving profitability and providing an alternative to antibiotics. Their antimicrobial, prebiotic, and immune-boosting properties make them valuable feed additives in modern poultry production, particularly for producers aiming to maintain good poultry gut health and looking for an effective alternative to antibiotics.

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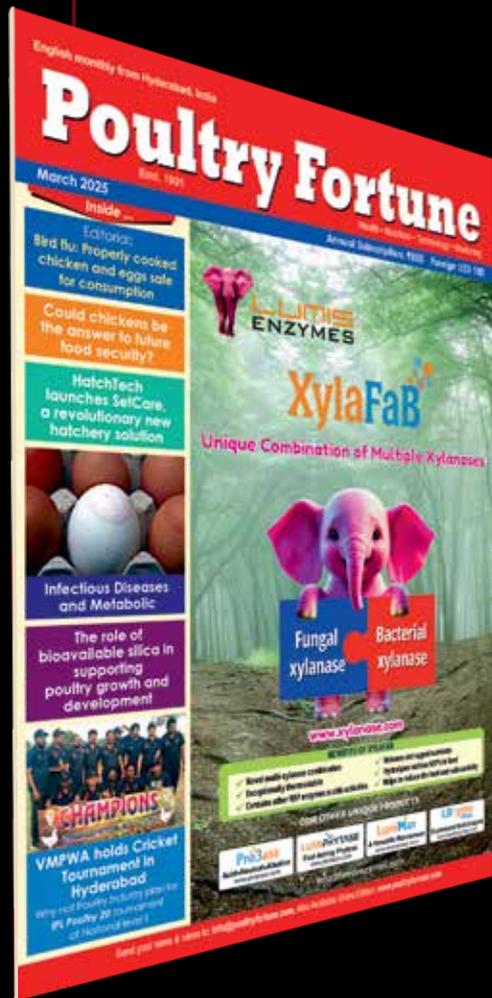
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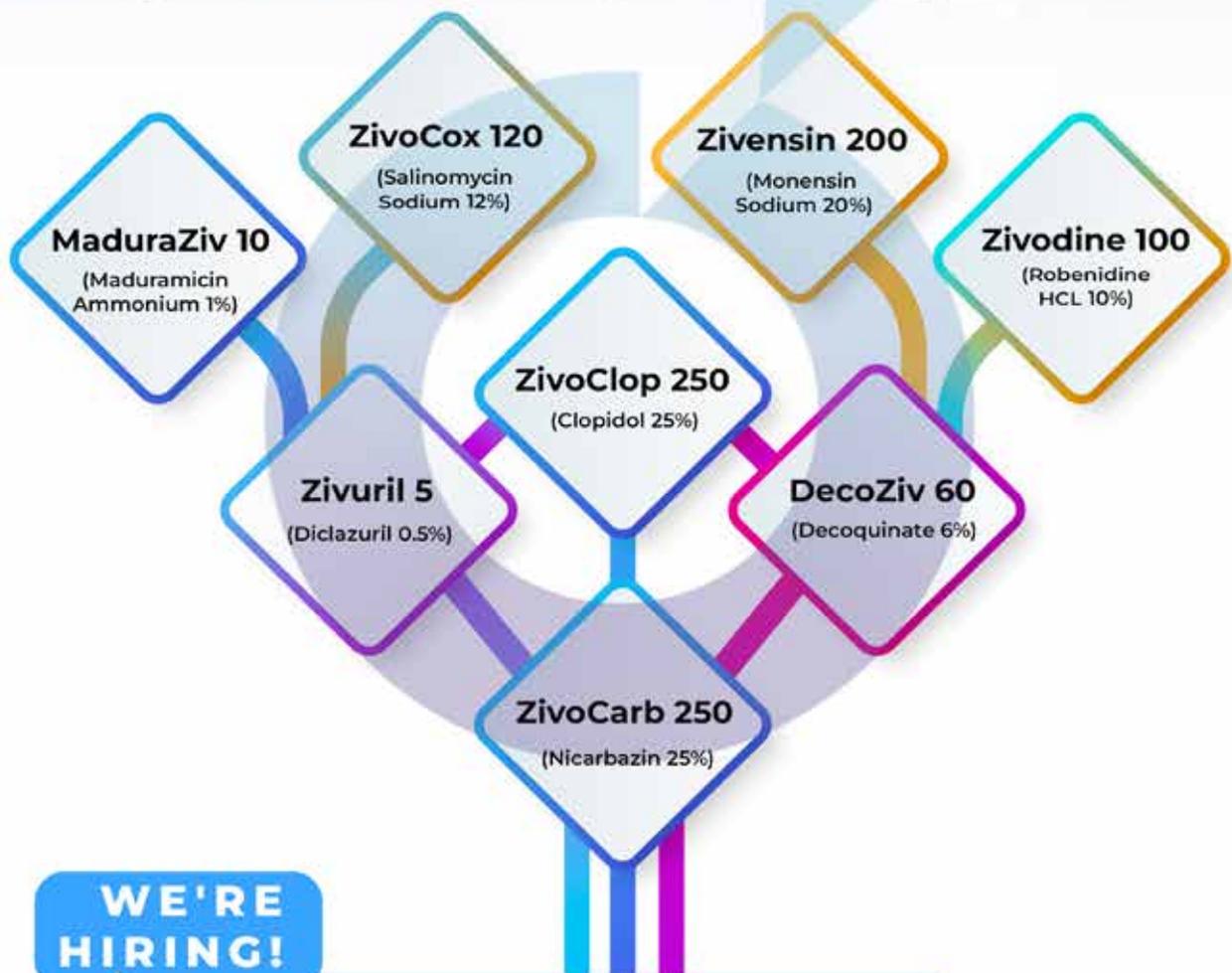
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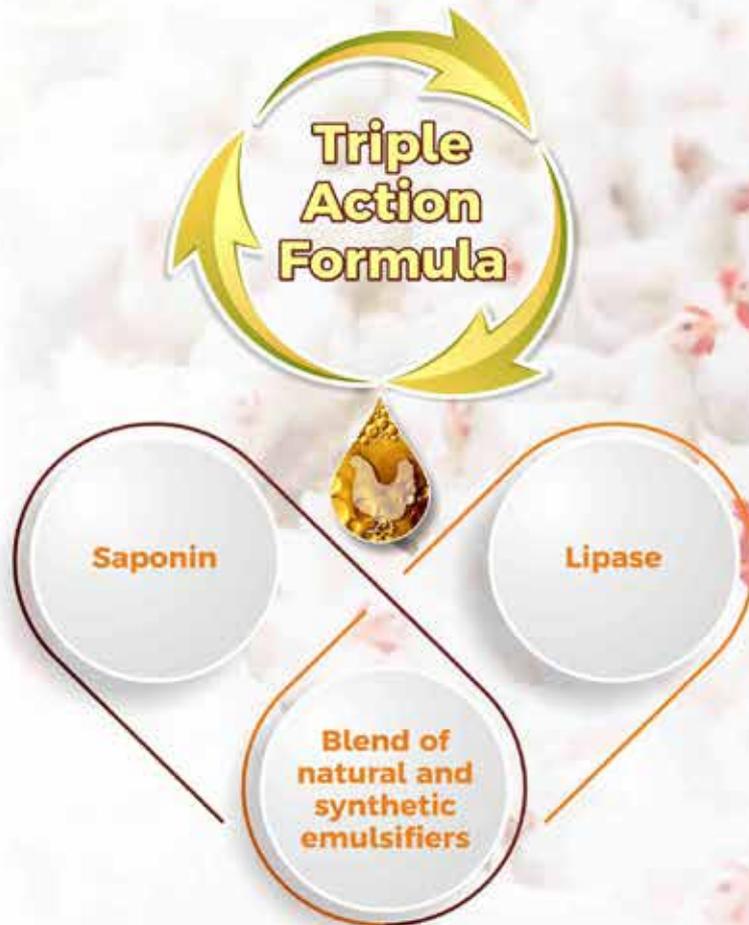
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