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MONTHLY POULTRY MAGAZINE

VOL. XXIV No. 12 June 2026

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Telangana. INDIA
Phone : 040-40212359
Mobile : 093913 78805
093470 28641
E-mail : hindpoultry@hotmail.com
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Contents

ROSS 308 AP

BEST ACHIEVERS
APRIL-2026

Aviagen INDIA

Northern Region

COMPANY: IB Group
FARMER NAME: Mr. Abhay Kumar Singh

APRIL-2026	Top #1
Farm Type	Closed Shed
State	UTTAR PRADESH
Chicks Placed	9990
Mean Age	39.0
Avg Body Wt	3242
FCR	1.447
cFCR	1.171
Livability%	96.4
Daily Gain	83.1
EPEF	553.9

Eastern Region

COMPANY: IB Group
FARMER NAME: Mr. Epari Rajani

APRIL-2026	Top #1
Farm Type	Closed Shed
State	ORISSA
Chicks Placed	10804
Mean Age	41.0
Avg Body Wt	3399
FCR	1.538
cFCR	1.227
Livability%	97.0
Daily Gain	82.9
EPEF	522.7

Central Region

COMPANY: IB Group
FARMER NAME: Mr. Devendra Kumar Sahu

APRIL-2026	Top #1
Farm Type	Closed Shed
State	CHHATTISGARH
Chicks Placed	11209
Mean Age	47.0
Avg Body Wt	3775
FCR	1.624
cFCR	1.230
Livability%	91.2
Daily Gain	80.3
EPEF	450.9

South Region

COMPANY: IB Group
FARMER NAME: Mr. Allagadapa Murali

APRIL-2026	Top #1
Farm Type	Closed Shed
State	TELANGANA
Chicks Placed	15464
Mean Age	35.0
Avg Body Wt	2500.0
FCR	1.372
cFCR	1.261
Livability%	95.0
Daily Gain	71.4
EPEF	494.6

APRIL-Top PERFORMANCE BY AREA

Area	Chicks Placed	Mean Age(Days)	BW	FCR	cFCR(2Kg)	Livability%	Daygain	EPEF
North EC House	9990	39.0	3242	1.447	1.171	96.4	83.1	553.9
North Open House	2722	39.0	2924	1.395	1.190	96.7	75.0	519.9
East EC House	10804	41.0	3399	1.538	1.227	97.0	82.9	522.7
East Open House	2032	39.0	2785	1.410	1.236	96.6	71.4	489.2
Central EC House	11209	47.0	3775	1.624	1.230	91.2	80.3	450.9
Central Open House	2448	45.0	3307	1.578	1.288	95.8	73.5	446.1
South EC House	15464	35.0	2500	1.372	1.261	95.0	71.4	494.6
South Open House	10405	36.0	2359	1.435	1.355	97.6	65.5	445.9

APRIL-Top 10 FIELD PERFORMANCE

Flock	Farm Type	State	Chicks Placed	Mean Age	BW	FCR	cFCR	Livability%	Day Gain	EPEF
Flock 1	CLOSED SHED	UTTAR PRADESH	9990	39.0	3242	1.447	1.171	96.4	83.1	553.9
Flock 2	OPEN SHED	ASSAM	1848	33.0	1556	1.077	1.176	95.8	47.2	419.5
Flock 3	OPEN SHED	PUNJAB	2722	39.0	2924	1.395	1.190	96.7	75.0	519.9
Flock 4	CLOSED SHED	HARYANA	14297	43.0	3474	1.534	1.206	95.3	80.8	501.9
Flock 5	OPEN SHED	UTTAR PRADESH	2013	39.0	2921	1.414	1.209	96.9	74.9	513.4
Flock 6	OPEN SHED	PUNJAB	20092	44.0	3350	1.517	1.217	97.1	76.1	487.1
Flock 7	OPEN SHED	UTTAR PRADESH	10493	42.0	3133	1.474	1.222	93.7	74.6	474.2
Flock 8	OPEN SHED	UTTAR PRADESH	2732	41.0	3081	1.463	1.223	94.7	75.1	486.4
Flock 9	OPEN SHED	UTTAR PRADESH	2876	41.0	3077	1.464	1.225	94.0	75.0	481.8
Flock 10	CLOSED SHED	ORISSA	10804	41.0	3399	1.538	1.227	97.0	82.9	522.7

Venworld Connect Layer Meet: Focus on Productivity Improvementand Egg Quality Enhancement at Badami, Karnataka

As part of "Venworld Connect" initiative, Venkateshwara B.V. Biocorp Pvt. Ltd. successfully conducted an impactful technical meeting on 10th April 2026 at Badami, Bagalkot, Karnataka.

The event witnessed strong participation from poultry farmers, integrators, and industry stakeholders, reflecting a growing shift toward scientific nutrition and performance-oriented management practices. Designed to benefit layer farmers,themeetingfocusedon delivering practical, field-relevant knowledge backed by scientific advancements.

During the inaugural session, Mr. Lokesh R. D. (AGM – South) and Mr. M. Babu (Zonal Manager) addressedthegathering,

emphasizing the critical role of nutrition in achieving consistent and efficient poultry performance. They reiterated Venworld's commitment to supporting farmers and industry partners through transparent, innovative and science-driven solutions tailored to the evolving needs of the poultry sector.

Enhancing Performance through Precision Nutrition

Dr. Sunil Nadgauda (DGM – Technical, VBVBC) led the technical session, sharing valuable insights into modern poultry nutrition. He emphasized thatprecisionnutritionis essential for achievingoptimal performance intoday's long -laying birds.

He explained that targeted nutrition directly impacts key performance indicators such as Feed Efficiency (feed per egg), Egg production and Liveability. Achieving consistent results depends on efficient nutrientutilization at the bird level and maintaining the right balance of energy andother nutrients in feed formulations. The session also covered strategies to sustain egg production and improve egg quality throughout the laying period. Discussions empha sized the importance of balanced nutrition and gut health, particularly during the later stages of the laying cycle when maintaining productivity becomes more challenging. Special focus was given to achieving uniform egg sizeand consistent production, which are key indicators of efficient layer management. Dr. Nadgauda highlighted that improved gut health enhances nutrient absorption, directly influencing egg quality parameters suchas shell strength, albumen quality, eggshell breakage etc. He also stressed the importance of maintaining an optimal calcium-to-phosphorus (Ca:P) ratio across different production phases to support proper eggshell formation and minimize egg breakage.

Additionally, Dr. Sachin Kadam (Product Executive, VBVBC) elaborated on key nutritional strategies for layers, reinforcing the role of precise

nutrient balance in sustaining production and improving egg quality.

Highlight: EGGXTRA 5% Composite Premix

Akeyhighlight ofthe meeting was EGGXTRA 5%Composite Premix, a targeted nutritional solution developed specificallyfor commercial layers. The formulation is designed to support sustained egg production, improve egg quality, and ensure a consistent supply of essential nutrients required foroptimal flock performance.

The premix is thoughtfully designed to meet the nutritional requirements of layers across all production phases. It supports phase feeding, recognizing that birds have different nutritional needs during pre-lay, peak production, and late laying stages. By addressing these stage-specific requirements, the Eggxtra 5% composite premix helps maintain consistent productivity, egg quality and flock health throughout the laying cycle.

Additionally, the premix offers flexibility, allowing farmers toincorporate locally available raw materials, making it both practical and cost-effective. Furthermore, the VBVBC nutrition team showcased their expertise in developing customized, farm-specific feed formulations tailored to individual farmer requirements.This approach enables farmers to optimizefeed efficiency, effectively manage input costs, and achieve improved economic returns without compromising performance.

Positive Response and Commitment to Excellence

The sessions received highly positive feedback from participating farmers, who appreciated the practical insights, field-oriented recommendations, and strong technical support provided by the Venworld team. The successful execution of the event was made possible through the dedicated efforts of Venworld's sales and technical teams. Through such initiatives, Venworld continues to strengthen its commitment to advancing poultry nutrition through science, innovation, and farmer-centric solutions.

By emphasizing precision nutrition, gut health, and biosecurity Venworld remains a trusted partner in helping poultry farmers achieve improved performance, enhanced productivity and sustainable growth.

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France Based IDENA's Complex Phytogenic Animal Nutrition Products Through Feed Development has led to Higher Productivity and Better Animal Health

- Ricky Thaper

Improving livestock health has been recognized by producers as an important sustainability effort which improves efficiency and reduces productivity losses in the animal husbandry sector. The roadmap recognized the importance of livestock to 1.7 billion farmers worldwide and offered proven pathways for addressing its climate footprint including better genetics, feed, and animal health. Keeping this vision in mind, several companies have been working towards boosting animal health and productivity through development of innovative products keeping into consideration the unique needs of countries across the world. Since its creation in 1995, France based global major in animal nutrition IDENA group has developed products keeping into account the nutritional needs of poultry, dairy, and piggery. The key focus of the IDENA is to introduce innovative additives and pre-mixes which boost the poultry and livestock feed and increase performances of poultry and livestock in the farms.

At IDENA, head-quartered in SAUTRON, Pays de la Loire, France, there are experts who are passionate about developing products which promote animal growth and welfare. IDENA's technical and sales teams, often in the field, offers tailor-made advice to improve the formulation of products and optimise their effectiveness depending on the needs of the customer.

IDENA has also developed a complete range of nutritional specialities to improve the feed efficiency of animals fed in organic farming systems and these products are all approved by official organic farming certification bodies. IDENA has a range of poultry products, among them; IDAFIX+ (a large spectrum powerful mycotoxin binder), FORCIX PY (Prevention of the risk associated with Eimeria together with Necrotic Enteritis), FORKEY LS (Prevention of the risk associated with Histomonas in Turkeys), EVOPERF (Digestive comfort and performance), PONTIPLUS (Supporting hen productivity and longevity by maintaining laying rate and improving egg quality and breeders' eggs hatchability). All these poultry products are based on the results of extensive scientific research, particularly into the action of plant extracts and essential oils. The issues studied relate mainly to make better use of the nutrients supplied and managing the risks of parasites and bacteria amongst the poultry birds. In poultry, IDENA focus is on gut health, mineral balance, feed

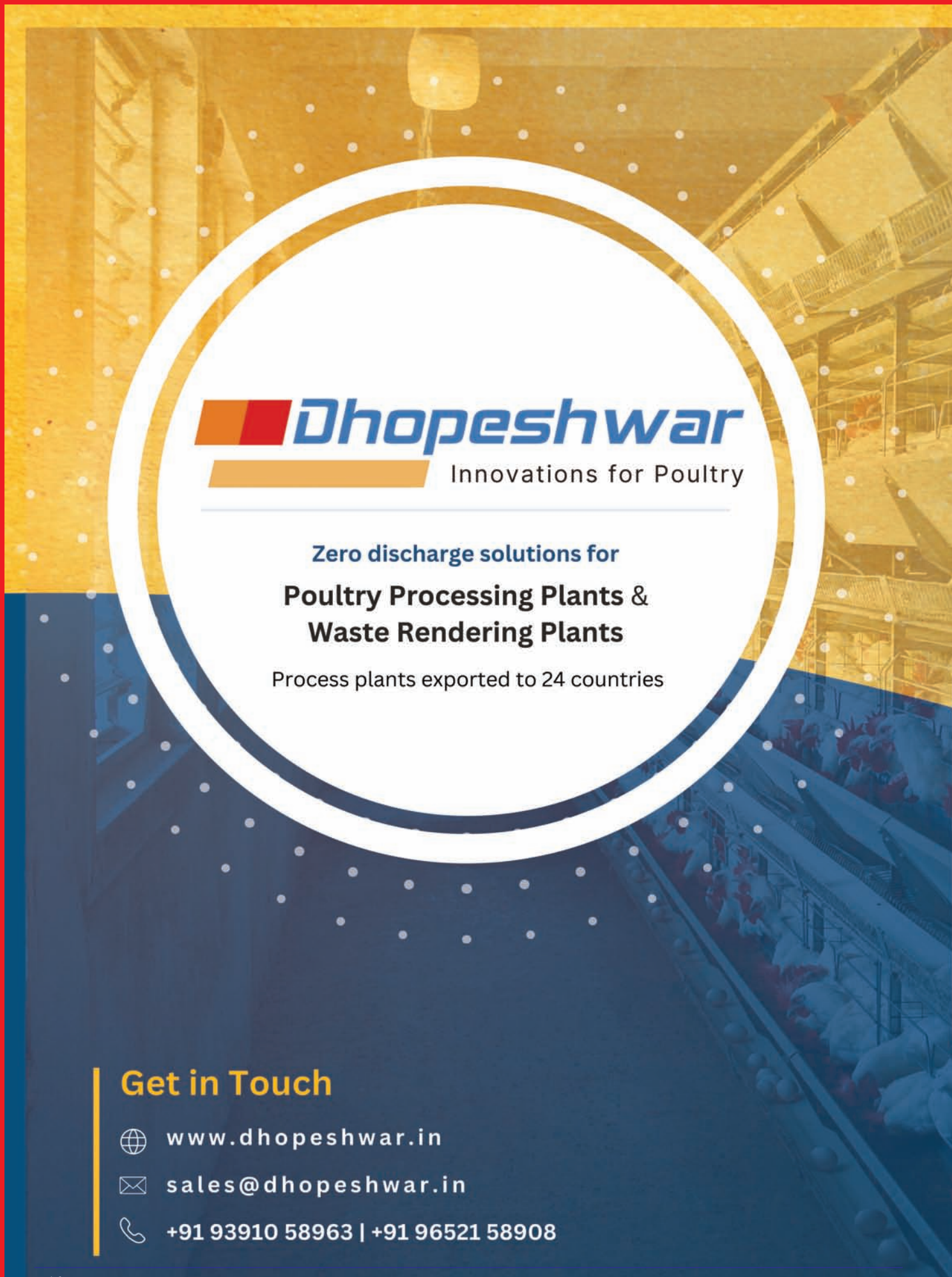
efficiency, and resilience of birds under commercial conditions. IDENA solutions combine R&D, field validation, and practical formulation expertise to ensure both technical efficiency and economic viability.

The 2000s saw the internationalisation of the Group's activities. The company offers its services to hundreds of customers, both feed manufacturers and players in the animal sector, spread across France to more than 60 countries spanning five continents. It has succeeded in establishing its fundamentals and convictions in the animal nutrition market, developing them and continuing to build on them. 110 people are currently cooperating at IDENA, with Mr. Renaud Domitile as CEO and Mr. Massoud Aoun as General Manager. The commercial team is led by Mr. Franck Vaillant, Commercial Director, with 6 Regional Export Managers to cover the 5 continents. Team of experts from the group also carry out on-farm audits to better adapt the formulation and use of additives to the context of each livestock farm. Six people are offering technical support for poultry: Mrs. Anne MAHIEU, Nutritionist-Head of Poultry Department, Dr. Jean-Marie WATIER- Vet Poultry Specialist, Ms. Amandine CANIN-Poultry Nutritionist Engineer, Mr. Khalil AOUAD, Poultry Nutritionist Engineer, and Mr. Bohdan BODNAR, Poultry Nutritionist Engineer, and also Mr. Renaud Domitile, CEO which is recognized worldwide for his nutrition expertise. The company's annual revenue was around Euros 50 million in 2025.

The mission of the IDENA company is to market natural alternatives to conventional additives in order to reduce the use of antibiotics and preserve their effectiveness (antibiotic resistance). These alternatives are made up of phytogenic, bioactive and active ingredients derived from lactic fermentations through IDENA's sister company STI BIOTECHNOLOGIE which has developed a unique range of Postbiotics. Following a specific inactivation process, STI Biotechnologie manufactures, among other products, a postbiotic solution, available in powder and liquid form. METALAC promotes digestive comfort, enhances animal welfare, and improves the animals' immune status. The company has numerous scientific publications: This research is continuing with a postdoctoral fellowship in collaboration with the University of Rennes, supervised by Monogastric Product Manager Maeva JEGOU. Under the leadership of Director Christophe TANGUY, the Asia-Middle East region is managed by David CHEREL, based in China.

With the future collaboration with Distributors in India, IDENA group has great plans to expand its presence in India, which has the world's biggest livestock population said Mr. Renaud Domitile, CEO. The India poultry market is driven by strong demand for affordable animal protein and rapid industry structuring. However, it remains a highly competitive and price-sensitive market, where solutions must combine technical performance with clear economic return added Mr. Khalil AOUAD, Poultry Nutritionist Engineer.

Mr. Franck Vaillant, Commercial Director said through IDENA product innovation, India's poultry and livestock sector will be immensely benefited to better feed and increase in productivity because of improvement in animal health. IDENA's strength compared to most of its competitors lies not only in the fact that the company offers a range of innovative phytogenic products designed to improve feed efficiency and livestock performance, but that this offering is backed by extensive expertise in animal nutrition, feed formulation and livestock management, which IDENA's teams make available to their partner clients.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- Slaughter Waste
- Farm Mortality

Digestor- Cooker- Dryer

Odor Control System

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IPEMA–Poultry India Strengthens Global Collaboration at NIPOLI Expo 2026, Nigeria

The Indian Poultry Equipment Manufacturers Association (IPEMA) – Poultry India marked a successful participation at the NIPOLI Expo 2026 held in Ibadan, Nigeria, further strengthening international collaboration and trade relationships within the global poultry and livestock sector.

Led by IPEMA PresidentUday Singh Bayas, the delegation actively engaged with international stakeholders, industry leaders, policymakers, and agribusiness professionals during the expo. The participation showcased India's growing capabilities and innovation-driven advancements in poultry equipment, and allied sector.

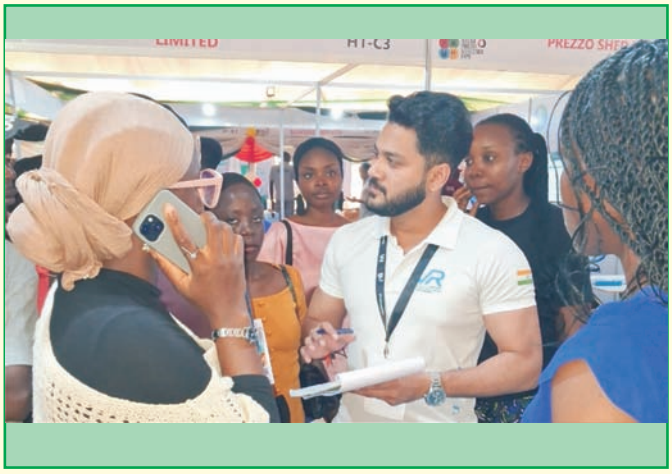
Recognized as one of West Africa's leading livestock and agribusiness trade platforms, NIPOLI Expo 2026 brought together global & regional exhibitors, investors, feed manufacturers, veterinarians, researchers, and policymakers under one roof. The event served as a platform for knowledge exchange, networking, business partnerships, and exploring opportunities across the African poultry and livestock ecosystem.

Nigeria's poultry sector continues to emerge as one of Africa's strongest agricultural growth drivers, valued at approximately USD 4.2 billion and contributing significantly to the country's agricultural GDP. With over 180 million birds, annual production exceeding 1.5 million metric tons of chicken meat, and approximately 15.8 billion eggs annually, the market presents immense opportunities for collaboration, technology exchange, and sustainable growth.

The Middle East and Africa poultry market, valued at USD 26.7 billion in 2024 and projected to reach USD 35.57 billion by 2033, further highlights the increasing global importance of the region in poultry and livestock development. Nigeria's strategic position as a gateway to Africa also opens broader avenues for trade and cooperation with emerging markets across the Middle East and the African continent.

The IPEMA–Poultry India delegation had the privilege of interacting with several distinguished dignitaries and honorable guests at the event, including:

- Alhaji Yinka Lawal – Chairman, PAN Ogun State
- Hon Dr Moruuf Akinwande – Chairman, Oyo State Fire Service
- Dr Segun Makanjuola – Convener, NIPOLI Expo



Speaking during the event, Mr. Uday Singh Bayas, President, IPEMA–Poultry India, stated:

"Participating at NIPOLI Expo 2026 reflects IPEMA's continued commitment towards global collaboration, knowledge exchange, and sustainable poultry industry growth. Africa, particularly Nigeria, presents significant opportunities for innovation, investment, and long-term partnerships in the poultry and livestock sector.

Through this engagement, we are advocating stronger trade relationships with Nigeria and other African countries, while also exploring mutually easier pathways for collaborative trade and industry partnerships.

During the visit, the delegation closely interacted with authorities and stakeholders in Nigeria to help streamline visa support and hospitality coordination, enabling a smoother and more welcoming experience for delegates and visitors from the region attending Poultry India Expo in India, as well as facilitating better participation experiences for future Indian delegations visiting the region."

The participation also reinforced Poultry India's vision of creating stronger global industry linkages while promoting India as a trusted partner in poultry technology, equipment manufacturing, and livestock innovation.

IPEMA–Poultry India extends its sincere appreciation to the organizers of NIPOLI Expo 2026 and all industry stakeholders for their warm hospitality and collaborative engagement during the event.

The association also cordially invites global industry stakeholders, exhibitors, professionals, and delegates to participate in the 18th edition of Poultry India Expo 2026, scheduled on 25th, 26th & 28th November 2026, with Poultry Knowledge Day on 24th November 2026, at HITEX Exhibition Centre, Hyderabad, India.

About IPEMA – Poultry India

IPEMA (Indian Poultry Equipment Manufacturers Association) is the organizer of Poultry India Expo, one of South Asia's largest and most influential poultry exhibitions and knowledge-sharing platforms, bringing together industry leaders, innovators, researchers, and professionals from across the globe.

THE CONNECTION BETWEEN PROTEIN & A HAPPY HEALTHY LIFESTYLE

We all experience mood dips, from mid-afternoon slumps to that restless, foggy feeling after a poor night's sleep. But what if the answer to better emotional balance isn't in your coffee cup or social feed, but your protein diet?

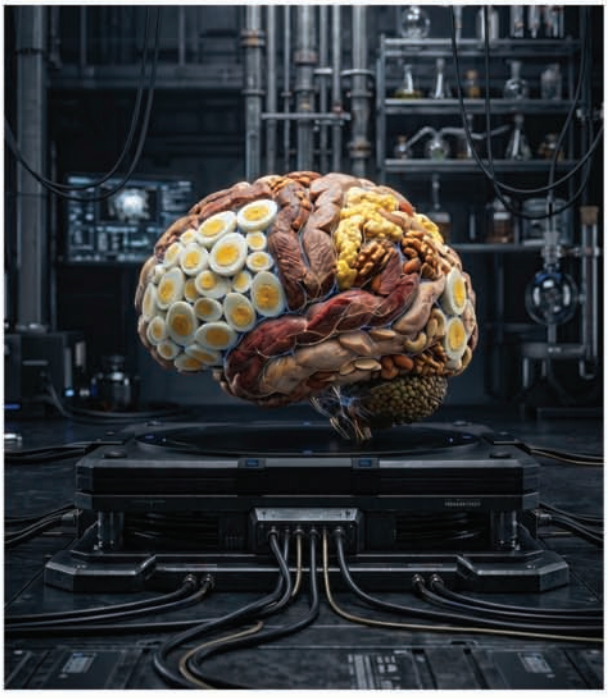
More than just fuel, food directly influences your brain chemistry. And when it comes to stabilising mood, protein plays a leading role. From boosting "happy hormones" like serotonin and dopamine to helping you feel fuller and calmer, high-quality protein can make a real difference.

The Protein Connection: How Amino Acids Lift Your Mood

Proteins are made up of amino acids, some of which are essential building blocks for brain chemicals that regulate your mood:

Tryptophan is a precursor to serotonin, the neurotransmitter responsible for feelings of wellbeing and emotional calm.

Tyrosine helps produce dopamine and norepinephrine, which are tied to motivation, focus, and alertness.



Without enough of these amino acids, your brain can't synthesise these "feel-good" chemicals efficiently. And here's the catch—your body can't store or produce all amino acids on its own. You have to get them from what you eat.

That's where complete protein sources, like chicken & eggs come in. They deliver all the essential amino acids your brain and body need to function at their best.

Boost Your Mood with Better Nutrition. Proper Nutrition Brings Happiness.

Fuel Your Ambition. What we Live By.

The World Happiest Country rankings and their Daily Protein Consumption

Sr. No	Countries	Happiness Score	Daily Protein Consumption per capita
01	Finland	7.7	123 g
02	Iceland	7.5	151 g
03	Denmark	7.5	113 g
04	Costa Rica	7.4	75 g
05	Sweden	7.3	70 g

Emotional well-being is a fundamental pillar of our overall health, directly affecting our quality of life, daily choices, and eating habits. Often, our psychological state influences the way we eat, while at the same time, our diet has the power to shape our mood.

Understanding this interaction can help us adopt healthy habits that promote both physical and mental balance.

You're braver than you believe, and stronger than you seem, and smarter than you think.

Choose Wisely. Eat Smartly. Be Happy.

If this mission resonates with you, do drop your ideas/ comments/suggestions at :**helloproteins25@gmail.com**

To support AgTech innovation, startup incubation, accelerator programs, and investment readiness across 10 African countries in the first phase

WAF and ILF Sign Strategic MoU to Strengthen AgTech Innovation Ecosystem Across Africa

The World Agriculture Forum (WAF) and Indigram Labs Foundation (ILF) today signed a strategic Memorandum of Understanding (MoU) in New Delhi to jointly advance AgTech innovation, startup incubation, accelerator programs, entrepreneurship development, and investment readiness platforms across Africa, beginning with an initial engagement in 10 African countries.

The MoU was signed by Dr. Ram Ghatak, Chief Executive Officer, Indigram Labs Foundation, and Mr. Jeff Peet, Director – International Affairs, World Agriculture Forum, in the presence of senior representatives of both organizations.

The partnership brings together WAF's global multi-stakeholder platform and expanding Country Council network with ILF's proven expertise in nurturing over 100 agri-startups through incubation, mentoring, acceleration, and market linkage support. The collaboration aims to foster innovation-driven agricultural transformation, support youth entrepreneurship, strengthen climate-resilient food systems, and promote sustainable rural prosperity across Africa.

Africa continues to hold immense agricultural potential but faces challenges related to low productivity, climate vulnerability, limited technology adoption, market inefficiencies, and access to finance. Both organizations believe that strengthening AgTech innovation ecosystems, accelerator programs, and investment-ready agri-enterprises can significantly contribute to resilient food systems, improved farmer incomes, and sustainable agricultural growth.

As part of the collaboration, the initiative aims to:

- Support high-impact AgTech startups and innovation ecosystems
- Establish and strengthen startup incubation and accelerator programs
- Facilitate investment readiness and capital mobilization platforms

- Promote digital agriculture, AI-enabled solutions, and climate-smart farming systems
- Strengthen market linkages and agri-enterprise development
- Support youth and women entrepreneurship in agriculture
- Foster Africa–India knowledge exchange and institutional cooperation
- Advance policy dialogue and partnerships with governments and development institutions

The collaboration is expected to support the development of 500+ agri-entrepreneurs annually, working closely with host governments, corporates, development institutions, financial institutions, foundations, and global organizations operating across

Africa's agriculture and rural development landscape.

Speaking on the occasion, Dr. MJ Khan, Executive Director, WAF said:

"Africa stands at the center of the future of global agriculture. With its vast agricultural potential, growing youth population, and increasing focus on innovation, the continent presents a tremendous opportunity for transformative agricultural development. Through this partnership with Indigram Labs Foundation, WAF seeks to build stronger innovation ecosystems, support entrepreneurs, mobilize investments, and facilitate meaningful collaborations among governments, development institutions, industry, and innovators."

The partnership envisions the development of country-level AgTech innovation ecosystems, leveraging local incubators, universities, startups, governments, private sector institutions, and development organizations to accelerate technology adoption and entrepreneurship in agriculture.

Dr. Ram Ghatak, CEO, Indigram Labs Foundation, stated:

"Innovation, entrepreneurship, and access to markets and investments are critical for transforming African agriculture. Through this partnership with WAF, we look forward to leveraging our incubation and accelerator experience to help create scalable AgTech enterprises, empower entrepreneurs, and strengthen local ecosystems that can deliver meaningful impact to farmers and rural communities."

The collaboration will initially focus on Kenya, Nigeria, Ghana, Ethiopia, Tanzania, Rwanda, Uganda, Zambia, Senegal, Côte d'Ivoire, and others as the initiative scales. Under the partnership, WAF will provide strategic umbrella support, global positioning, international advocacy, partnership facilitation, and stakeholder engagement, while ILF will lead program implementation, startup scouting, incubation, mentoring, and ecosystem coordination."

The MoU marks an important milestone toward building a stronger Africa-focused AgTech ecosystem, creating new opportunities for entrepreneurs, investors, governments, and development partners to work together toward a more sustainable and food-secure future.

About the World Agriculture Forum (WAF)

The World Agriculture Forum (WAF) is a neutral global multi-stakeholder platform advancing agriculture and global food security through policy, trade, innovation, and partnerships. Registered as a 501(c)(3) nonprofit organization in Virginia, USA, WAF works with governments, industry, development institutions, research organizations, financial institutions, farmer bodies, and civil society to promote sustainable agriculture, resilient food systems, climate action, and farmer prosperity through global dialogue and collaborative action.

About Indigram Labs Foundation (ILF)

Indigram Labs Foundation (ILF) is a leading agri-innovation, incubation, and entrepreneurship organization supporting agritech startups through incubation, acceleration, mentoring, market linkages, and strategic investments, with a strong track record of nurturing successful agri-enterprises and innovation ecosystems.

Thaifoods Bets on Logistics as Thailand's Poultry Trade Enters a More Demanding Era

Thaifoods Group's latest move in Thailand is more than a company expansion story. Its new integrated logistics center, launched in partnership with DHL Supply Chain Thailand, reflects a wider shift in Asian poultry toward tighter control over inventory, colder and faster distribution, and greater resilience in a market where margins can disappear quickly when supply chains falter.

At first glance, a logistics facility may seem less exciting than a hatchery, processing plant, or breeding investment. Yet for modern poultry businesses, logistics is now part of competitive strategy rather than just back-end infrastructure. Thaifoods and DHL have positioned the new center as a centralized platform designed to streamline movement, improve storage efficiency, and sharpen delivery performance. In a regional market increasingly shaped by volatility in feed, freight, and trade routes, those advantages matter.Thailand's poultry sector has long been one of Asia's most sophisticated, especially in processing and exports. But sophistication alone no longer guarantees comfort. Producers across the region are navigating higher operating costs, shifting customer expectations, and greater sensitivity to disruption, whether from disease alerts, geopolitical tension, or swings in raw material prices. Asian Agribiz's current sector framing is clear: standing still is not an option as pressure builds on producers and governments alike.

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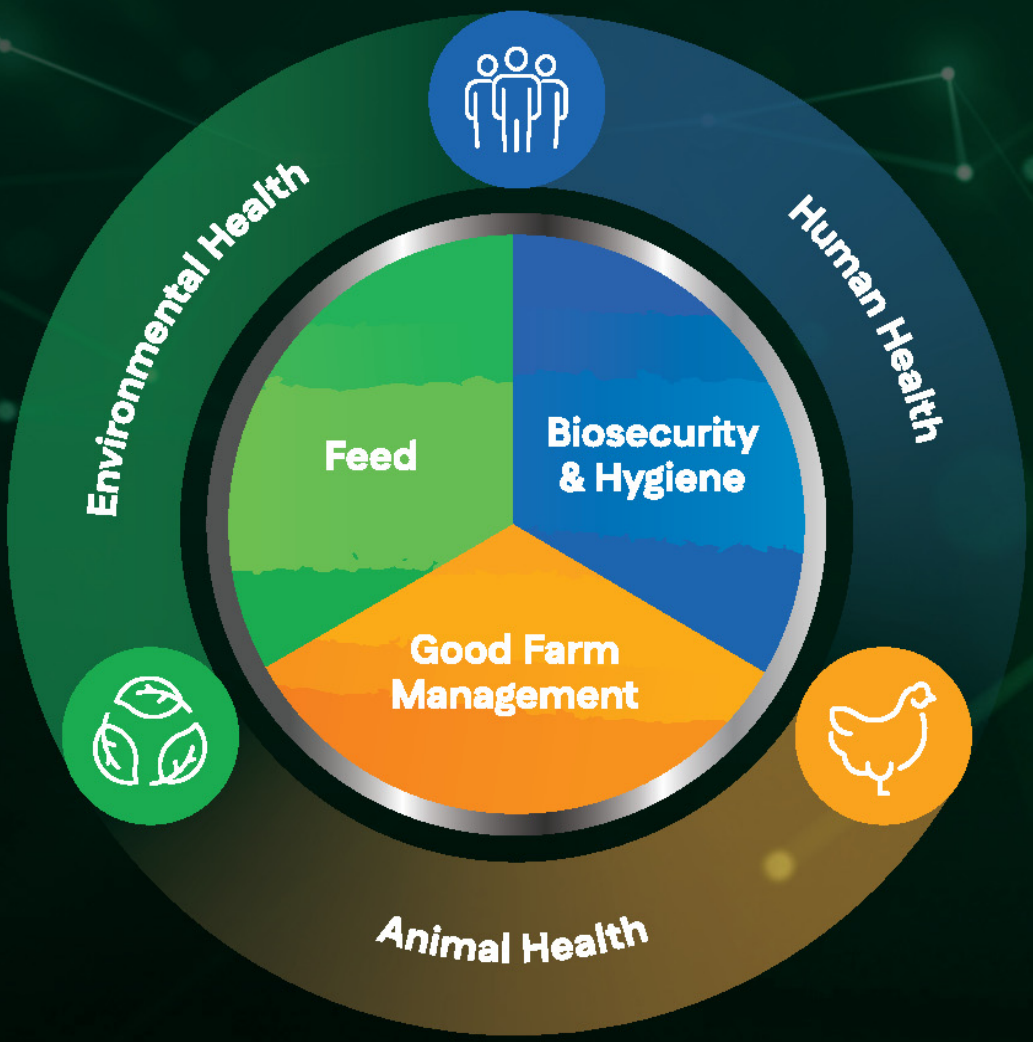
Partnering for Progress



Aligning feed, farm management and biosecurity & hygiene with One Health goals through collaboration.

PRECISION ENGINEERED SOLUTIONS

DIFFERENTIATED ADJACENT TECHNOLOGIES

Pillars of Competence

FUNCTIONAL LIPIDS

Lipids are not only a concentrated source of energy but also play a key role in enhancing animal production. We specialize in developing fatty acid applications that improve animal health and feed efficiency.

HEALTH & ENVIRONMENT

We enhance animal health and production efficiency while minimizing environmental impact. Our solutions optimize livestock metabolism, reducing the carbon footprint and enabling higher production with less environmental impact.

PERFORMANCE SOLUTIONS

Our innovative solutions boost animal productivity and health. Using advanced emulsification, we improve nutrient bioavailability, maximizing feed benefits, promoting growth, and supporting sustainable farming.

ALTERNATIVE INGREDIENTS

With a deep understanding of the animal nutrition industry, we explore alternative ingredients to enhance nutritional profiles and support sustainable sourcing, aligning with the trend toward eco-friendly practices.

Most Innovative Company 2025
CENTER FOR MARKET EDUCATION

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TECHNICAL BULLETIN

PCR-Based Diagnostic Strategies and Molecular Surveillance of *Mycoplasma gallisepticum* and *Mycoplasma synoviae* in the Poultry Industry

INTRODUCTION TO AVIAN MYCOPLASMOSIS

Avian mycoplasmosis continues to be a major infectious challenge affecting commercial poultry farms across the world. The disease is primarily associated with *Mycoplasma gallisepticum* (MG) and *Mycoplasma synoviae* (MS), two highly adapted bacterial pathogens belonging to the class Mollicutes.

The pathogenic process begins when the organisms attach firmly to epithelial surfaces of the respiratory and reproductive tracts using specialized terminal attachment structures. MG is predominantly responsible for Chronic Respiratory Disease (CRD), while MS is strongly associated with infectious synovitis and Eggshell Apex Abnormalities (EAA). Important virulence-associated proteins include GapA, CrmA, VlhA proteins, PlpA, and Hlp3.

EPIDEMIOLOGICAL DYNAMICS AND ECONOMIC BURDEN

Recent epidemiological studies indicate increasing prevalence of MS infections in Indian poultry farms. Significant economic losses arise due to poor feed efficiency, reduced egg production, low hatchability, and carcass condemnation. Transmission occurs through vertical and horizontal routes, with multi-age farming systems contributing significantly to disease persistence.

PRODUCTION AREA	CLINICAL FINDINGS	SUBCLINICAL IMPACT
BROILER PRODUCTION	Respiratory distress, joint swelling, lameness	Poor feed efficiency, uneven flock growth, increased carcass rejection
LAYER / BREEDER OPERATIONS	Reduced egg production and quality, synovitis	Inferior shell quality, decreased hatchability, vertical spread to progeny
MIXED INFECTIONS	Mortality during secondary bacterial or viral infections	Chronic airsacculitis, fibrinous lesions, systemic inflammatory damage

For more information, please contact our technical team - +91 20 2665 4193 Email: salesindia@huvepharma.com

COMPARATIVE ANALYSIS OF DIAGNOSTIC METHODOLOGIES

Reliable diagnosis requires laboratory confirmation using culture isolation, serological assays, conventional PCR, and real-time PCR techniques.
Real-time PCR is currently preferred because of its speed, high analytical sensitivity, and capability for molecular differentiation.

DIAGNOSTIC METHOD	STRENGTHS	LIMITATIONS
CULTURE ISOLATION	Confirms viable organism recovery	Slow growth, contamination risk, specialized media requirements
SEROLOGICAL TESTS (RSA, ELISA, HI)	Useful for flock -level monitoring	Vaccine interference and cross -reactive false positives
CONVENTIONAL PCR	Rapid species-specific detection	Requires molecular laboratory infrastructure
REAL-TIME PCR	Highly sensitive, rapid, quantitative	Higher instrumentation costs

GENOTYPE-BASED DIFFERENTIATION AND DIVA STRATEGIES

Molecular DIVA (Differentiating Infected from Vaccinated Animals) strategies facilitate differentiation between field isolates and commonly used vaccine strains such as F-strain, ts-11, and 6/85 through PCR-based genotyping and sequence analysis of variable surface protein genes.

FRONTIER DIAGNOSTIC PLATFORMS: LAMP AND CRISPR-CAS12A

Loop-Mediated Isothermal Amplification (LAMP) enables rapid nucleic acid amplification under constant temperature conditions suitable for field diagnostics.
RAA-CRISPR-Cas12a systems provide highly sensitive detection with lateral-flow visualization and portable field applicability.

MOLECULAR DETECTION OF ANTIMICROBIAL RESISTANCE (AMR)

Molecular AMR monitoring targets mutations within the 23S rRNA region and quinolone resistance-determining regions involving gyrA, parC, and parE genes. PCR-based mutation analysis offers rapid alternatives to conventional susceptibility testing.

CONCLUSION AND STRATEGIC RECOMMENDATIONS

Modern control strategies require integrated molecular surveillance, enhanced biosecurity, DIVA-based monitoring, rapid field diagnostics, and antimicrobial stewardship programs. Adoption of a One Health framework is essential for sustainable poultry disease management and food safety protection.

***References available upon request.**

TECHNICAL BULLETIN

POULTRY FEDERATION OF INDIA (PFI)

Invitation for Sponsorship & Delegate Registration

POULTRY FEDERATION OF INDIA

37th ANNUAL GENERAL MEETING (AGM)

23–24 SEPTEMBER 2026 | GRAND HYATT, KOCHI, KERALA

Dear Sir/Madam,

Greetings from the Poultry Federation of India (PFI)!

The Poultry Federation of India (PFI), the apex body representing poultry farmers, breeders, feed millers, equipment manufacturers, pharmaceutical companies, and all allied sectors of the poultry industry, is pleased to announce its **37th Annual General Meeting (AGM)** to be held on **23–24 September 2026 at Grand Hyatt, Kochi, Kerala.**

The AGM serves as a premier platform bringing together industry leaders, entrepreneurs, policymakers, researchers, and stakeholders to discuss emerging opportunities, key challenges, technological advancements, and future growth strategies for the poultry sector.

SPONSORSHIP INVITATION

We cordially invite your esteemed organization to participate as a Sponsor for this prestigious event. Your valuable support will contribute significantly to the success of the AGM while providing exceptional visibility and networking opportunities with key decision-makers and industry leaders from across the country.

SPONSORSHIP CATEGORIES & BENEFITS

Category	Sponsorship Amount (₹)	Complimentary Registrations	No. of Tables	Speaking Opportunity
Super Platinum	10,00,000	12	2	15 Minutes (Day 1)
Platinum	5,00,000	10	2	10 Minutes (Day 1)
Diamond	4,00,000	8	2	–
Gold	3,00,000	6	1	–
Silver	2,00,000	4	1	–
Bronze	1,50,000	2	1	–

DELEGATE REGISTRATION

Registration Category	Fee (₹)	Registration Period
Online Registration (Early Bird)	7,000	Up to 30 June 2026
Online Registration	9,000	01 July – 31 July 2026
Online Registration	10,000	01 August – 15 August 2026
Online Registration	12,000	16 August – 10 September 2026
On-Spot Registration	15,000	During the Event

ADDITIONAL SPONSOR BENEFITS

- Prominent display of company branding through standees, banners, and other promotional materials at strategic locations throughout the venue.
- Dedicated table space at the entrance of the main hall and key networking/ exhibition areas for enhanced visibility and delegate interaction.
- Sponsor logos featured prominently on AGM invitation cards, welcome signage, event backdrops, promotional materials, and official communications.
- Formal recognition and felicitation during the AGM proceedings.
- Sponsors confirming Silver Category sponsorship or above on or before 30 June 2026 will be entitled to one complimentary room during the AGM.

ACCOMMODATION AT GRAND HYATT, KOCHI

PFI has reserved 240 rooms at Grand Hyatt, Kochi, Kerala, for AGM delegates at special discounted rates:

Single Occupancy: ₹10,000 + 18% GST
per room per night (including complimentary breakfast)

Double Occupancy: ₹11,000 + 18% GST
per room per night (including complimentary breakfast)

Important Note:

These special rates are subject to availability and will remain valid only until the reserved room inventory is exhausted. Grand Hyatt has a total inventory of 264 rooms, of which the majority have been blocked by PFI for AGM delegates.

Rooms will be allotted strictly on a first-come, first-served basis and confirmed only upon receipt of full payment. Once the rooms reserved by PFI are fully booked, PFI will not be able to arrange or guarantee accommodation at the venue hotel.

BANK DETAILS FOR SPONSORSHIP & REGISTRATION

Account Name	:	Poultry Federation of India
Account Number	:	672110110006234
Bank	:	Bank of India
Branch	:	Rai, Sonipat (Haryana)
IFSC Code	:	BKID0006721
PAN	:	AATP0444K

CONTACT INFORMATION

Mr. Jagdish Kadyan
Mobile: +91 85752 22224
Email: poultryfederation@gmail.com

We look forward to your enthusiastic participation and generous support. With the collective cooperation of the entire poultry fraternity, we are confident that the 37th AGM of PFI will be a grand success and a memorable gathering for the poultry industry.

With warm regards,

Poultry Federation of India (PFI)


40th Edition
THE GLOBAL SHOW FOR ALL ANIMAL FARMING
SPACE
15·16·17
SEPT. 2026
RENNES - FRANCE
Discover the exhibition in video
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Celebrating 40 Years of Agricultural Excellence, Innovation, and Global Connectivity

SPACE 2026

For four spectacular decades, SPACE has stood as the undisputed epicenter of the global livestock and animal farming industry. This year, from September 15 to 17, 2026, the prestigious Rennes Exhibition Centre will open its doors to the landmark 40th anniversary edition of SPACE, cementing its status as an unmissable international crossroads. Against a backdrop of profound climatic, economic, and geopolitical transformations, SPACE 2026 will unveil the future of agriculture through an unparalleled convergence of expertise, cutting-edge technology, and world-class animal genetics.

A Historic Milestone: 40 Years of Visionary Leadership

Conceived 40 years ago by a group of industry visionaries, SPACE was built by professionals, for professionals. Today, it remains an essential resource for supporting livestock farmers on the international stage.

As Didier Lucas, President of SPACE, eloquently notes, celebrating this 40th edition is not just a look back, but a bold leap forward:

The anticipation for this milestone anniversary event is palpable. Nearly 900 exhibitors have already registered (representing 80% of the total 2025 turnout), including 280 international exhibitors. Fueling this celebratory lineup are 163 new companies, 130 of which are exhibiting for the very first time. This immense loyalty and dynamic influx of fresh talent underscore the vital role SPACE plays in driving commercial activity and global agricultural advancement.

L'Espace pour Demain: "WATER... The Source of Livestock Farming!"

At the heart of the 2026 anniversary exhibition is L'Espace pour Demain (Space for Tomorrow), a forward-thinking hub dedicated to the promotion of innovations that support resilience in farming. Recognizing that sustainable water management is arguably the most strategic challenge facing the future of global food sovereignty, SPACE and the Chamber of Agriculture have named "WATER... the source of livestock farming!" as this year's unifying theme. The extreme weather events of recent years, particularly the severe rainfall deficits and scorching temperatures exceeding 40°C in 2022, have laid bare the vulnerability of agricultural regions. In response, L'Espace pour Demain will feature a robust three-pillar approach:

- **The Exhibition Space:** Live technical demonstrations and farmer testimonies showcasing innovative equipment for rainwater harvesting, automated watering management, and adapting crop cultivation for animal feed.
- **The Expert Space:** Specialized workshops diving deep into topics such as water use in automated milking and the adaptation of forage crops to accelerating climate change.
- **The Forum Space:** Three high-level panel debates addressing resource sharing, high-quality water access, and evaluating the water quality utilized across livestock farms.

The Pinnacle of Animal Genetics: A World-Class Showcase

SPACE 2026 will once again transform into Europe's most prestigious showcase of animal genetics. Across the three days, 530 cattle from 13 different breeds and 150 animals from a dozen sheep and goat breeds will parade through the

Didier Lucas, President - SPACE

"Celebrating the 40th edition is also an opportunity to look ahead and prepare for the next 40 years-with courage and a clear view of the realities of our agricultural sector so that future generations have a tool that is just as well suited to the changing world of livestock farming as the one from which previous generations have benefited."

main ring, providing an awe-inspiring spectacle of agricultural mastery.

This year, two historic breeds take the spotlight:

- **La Rouge des Prés:** A symbol of western France originating from an 1830 crossbreed of British Durham and the local Mancelle. It will stage its National Show on Tuesday, September 15, celebrating its remarkable feed efficiency, maternal qualities, and exceptional marbling recognized by the Maine-Anjou PDO label.
- **La Normande:** Hosting its National Challenge on Wednesday, September 16, this quintessential crossbreed highlights its unique ability to provide a perfect economic balance between dairy performance and premium meat quality in a sustainable, pasture-based system.

Adding to the excitement is the National Vendéen Sheep Show on Wednesday, featuring 100 top-tier animals of a breed renowned for its meat-producing qualities and adaptability. Furthermore, for the first time in SPACE history, there will be daily presentations of goat breeds, accompanied by a dynamic Alpine physical competition incorporating advanced genetic criteria scoring.

Pioneering the Future: Innov'SPACE& La Ferme Digitale

Innovation is the lifeblood of SPACE. For over 30 years, the Innov'SPACE awards have championed the most transformative technologies in the sector. Evaluated by an independent jury of 60 experts (including Technical Institutes, INRAE, ANSES, veterinarians, and specialized journalists), the awards highlight solutions tailored to modern agricultural challenges. Mechanization will feature prominently, occupying half of the 16-hectare exhibition footprint, where leading manufacturers will display next-generation sowing, harvesting, and milking equipment on massive stands exceeding 1,000 square meters.

Annie Genevard

French Minister for Agriculture, Agri-Food and Food Sovereignty

"For the 40th year running, SPACE is set to be a major event for the pillar of the French agricultural industry, the livestock sector. Following a challenging year for our livestock farmers, this trade fair is an opportunity to showcase the best of French livestock farming: a firm commitment to quality that is recognised around the world, high standards of animal health and safety, excellent genetics, state-of-the-art equipment, and a constant ability to adapt."

In a thrilling new development for its 40th anniversary, La Ferme Digitale is making its very first debut at SPACE. This innovative collective, which has spent 10 years promoting digital tech in agriculture, will bring together around ten start-ups in a dedicated area. Attendees can explore pioneering advancements in artificial intelligence tailored for livestock farming, connected cattle weighing systems, agri-ecology platforms, and AI-powered voice assistance.

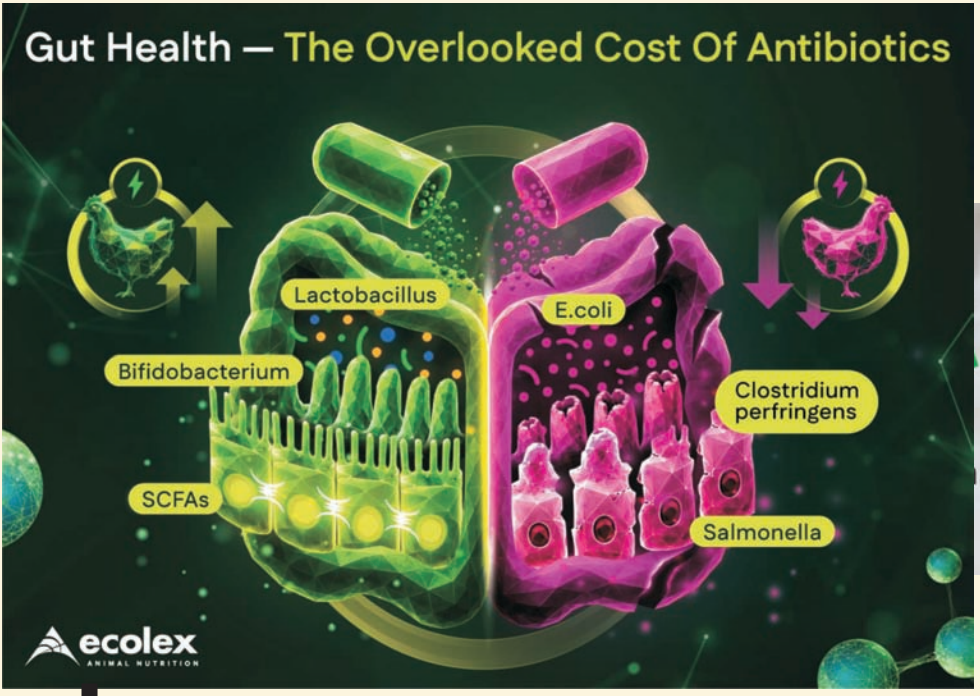
A Global Nexus for Aquaculture and International Trade

SPACE continues to break boundaries as a truly global nexus. Following a massive 2025 edition that welcomed over 14,000 international visitors from 125 countries, the 2026 event will facilitate critical international dialogue. Buyer delegations from West Africa, South-East Asia, Latin America, and across Europe will converge in Rennes, seeking technological solutions for climate adaptation, animal welfare, and productivity.

A major highlight of this global outreach is the rapidly expanding Aquaculture sector. Boasting a 25% increase in company participation since 2019, SPACE 2026 will feature over 120 exhibitors specializing exclusively in aquaculture-encompassing nutrition, genetics, and advanced equipment. A dedicated focus event on Tuesday, September 15, will offer a series of expert talks, solidifying SPACE as a premier event for the international aqua-culture industry.

Empowering the Next Generation of Farmers

Ensuring the vitality of tomorrow's agricultural landscape, SPACE 2026 features a vibrant Youth Forum. Developed in collaboration with agricultural education networks and the "Génération Agri" initiative led by the Brittany Chamber of Agriculture, this dedicated space invites young people to voice their perspectives on new farming models, working conditions, and consumer communication. Through "Meet & Greets" and round tables, secondary and college students will connect with peers from institutions like the InstitutAgro Rennes-Angers and the Oniris veterinary school, bridging the gap between today's industry leaders and the agricultural pioneers of the future.



GUT HEALTH
The Overlooked Cost of Antibiotics

Edward Manchester
Global Commercial Director
Ecolex Animal Nutrition

When talking about antibiotic use in animal agriculture, antimicrobial resistance (AMR) naturally sits at the center of the conversation because resistant bacteria threaten animal, human, and environmental health. However, I have come to realize that if we focus only on AMR, we risk overlooking another critical impact of antibiotics—their invisible cost on gut health through disruption of the gut microbiome and the cascading physiological and economic consequences that follow.

As an industry we have a duty of care to treat animals with confirmed bacterial infections. At the same time, I have seen how routine antibiotic use—especially prophylactic or sub-therapeutic dosing for growth promotion—can unintentionally compromise gut function. The gut microbiome, once treated as a secondary detail in nutrition, is now clearly a central driver of animal health, performance, and resilience.

The Gut Microbiome—More Than Just Bacteria

The gastrointestinal tract is a densely populated and constantly shifting ecosystem, home to bacteria, archaea, fungi, viruses, and protozoa. This microbiome supports digestion, produces vitamins and short chain fatty acids (SCFAs) along with many other metabolites, trains the immune system, competes with pathogens, and helps maintain both the structure and function of the intestinal barrier.

From my perspective, one of the most important—and most often overlooked—consequences of antibiotic use is disruption of this ecosystem, causing dysbiosis—an imbalance where beneficial microbes are lost and/or potentially harmful ones overgrow. In particular broad spectrum antibiotics such as tetracyclines, penicillins, and fluoroquinolones do not distinguish between commensals and pathogens—they typically reduce overall microbial diversity—a key indicator of gut health and resilience.High diversity is associated with the capacity to recover from stressors such as diet changes, heat stress, mycotoxin exposure, or pathogen challenge.

The Domino Effect—From Friendly Flora to Dysbiosis

In practice, antibiotic induced dysbiosis often means fewer beneficial genera such as Lactobacillus and Bifidobacterium—keystone groups in a healthy gut. Lactobacillus spp. produce lactic acid, lowering luminal pH and creating conditions that suppress many pathogens; they also compete for epithelial binding sites and can produce bacteriocins that directly inhibit harmful bacteria. Bifidobacterium spp. ferment dietary fibers into SCFAs like butyrate and lactate, support mucosal health, and modulate immune development and mucus production, which together strengthen the barrier against pathogen attachment and invasion.

When these commensals are suppressed, their ecological niches open up to opportunistic pathogens such as Escherichia coli, Clostridium perfringens, and Salmonella enterica. These pathogens are often present at low levels in healthy animals but can proliferate rapidly once competition is removed. The result is a higher risk of subclinical and clinical enteric disease—which, ironically, undermines the very rationale for many antibiotic interventions.

SCFAs—Small Molecules, Big Impact

Beyond direct pathogen control,the microbiome ferments undigested carbohydrates into SCFAs—mainly butyrate, propionate, and acetate. These metabolites serve as both energy substrates and signaling molecules. Butyrate, for example, is the preferred fuel for colonocytes, promotes epithelial proliferation and repair, stimulates mucin production, reinforces tight junctions, and exerts anti inflammatory effects.

Leaky Gut—The Hidden Consequence Of Dysbiosis

Dysbiosis contributes to increased intestinal permeability, or "leaky gut." The intestinal epithelium forms a selectively permeable barrier sealed by tight junction proteins and maintaining that barrier is energetically demanding and tightly regulated by microbial metabolites, nutrients, and inflammatory signals.

As tight junctions fail, luminal components which should remain in the gut—bacterial fragments, dietary antigens, and toxins—start to translocate into systemic circulation. Lipopolysaccharide (LPS) from Gram-negative bacteria such as E. coli and Salmonella, which binds Chronic low level leakage of LPS, and other microbial products drives persistent, low grade inflammation. From a production standpoint, this means nutrients that could support growth, reproduction, or output are instead redirected to fuel the immune response. Protein is diverted to acute phase protein synthesis, and energy is consumed by feverand tissue repair rather than meator egg production.

Nutrition And Management—First Line Defenses

Recognising the hidden impact of antibiotics on gut health has pushed me toward a more microbiome-aware strategy. My aim is not to eliminate antibiotics; targeted therapy still has a critical role when infections are clearly diagnosed. However, I am committed to cutting non-essential use and protecting the microbiome whenever treatment is unavoidable.

To support this, I rely on a toolbox of nutritional and management interventions. This includes probiotics help restore beneficial microbes, exclude pathogens, and modulate immunity, while prebiotics such as MOS and FOS selectively feed these desirable bacteria. I also use phytogenic additives—essential oils and plant extracts—for their antimicrobial, antioxidant, and anti inflammatory effects, which typically spare commensals. Organic acids further suppress pathogens, and exogenous enzymes improve nutrient digestibility and reduce substrates for harmful fermentation.

Complementing this, I prioritize vaccination, strict biosecurity, and hygiene so that, combined with precision nutrition, microbiomes remain stable and antibiotics are no longer the default response.

Want To Know More?

This technical article is part of Ecolex Animal Nutrition's continuing knowledge transfer efforts, supporting more sustainable and resilient animal production systems.

Follow us at www.ecolex.com as we share more actionable One Health insights and strategies for building a more secure, resilient food system from farm to fork.

GT MAX (ws)

Probiotics That Perform - Naturally

GT MAX (ws) is our premium multi-strain probiotic, Saccharomyces Boulardii & prebiotic FOS to enhance gut microbiota stability.

GT MAX (ws) is a combination of probiotics and prebiotics, are essential in animal nutrition for mainintaning gut health and a balanced microbiome. Probiotics, comprising beneficial bacteria, support gut function by suppressing pathogens, enhancing nutrient absorption, and boosting immunity. Prebiotics act as a nutrient source for probiotics, promoting their growth and activity. This synergy improves digestion, optimizes feed conversion ratios (FCRs), and minimizes gastrointestinal issues. GT MAX (ws) is especially valueable during stressful periods like weaning or diseases outbreaks, ensuring better health, resilience, and productivity in animals.

Composition:

- Bacillus clausii
- Bacillus subtilis
- Bacillus velezensis
- Bacillus velezensis (2nd strain)
- Bacillus coagulans
- Bacillus altitudinis
- Probiotic fructooligosaccharides (FOS)
- Saccharomyces Boulardii

Bacterial Concentration:
5 billion CFU/gm of the product

Advantages:

- Reduce loose droppings
- Enhance gut health
- Improve nutrient absorption
- Minimized pathogen proliferation
- Reduction in antibiotic use
- Promotes natural resistance to intestinal infections

Usages:
Feed: 100 gm / tonne of feed
Drinking Water: 20 gm - 50 gm / 1000 birds daily

Consult your veterinarian for dose adjustment.

Presentation:
1 kg

Centay India
SAURABH POULTRY
Research & Breeding Farm Pvt. Ltd.

B-1/5, Glaxo Apartments, Mayur Vihar, Phase-1 Ext., Delhi-110091, INDIA.
E-mail: centay2001@gmail.com, saurabhpoultries@gmail.com www.centaysprbf.com

ILDEX Vietnam 2026 successfully concluded as the premier catalyst for Southeast Asia's agricultural modernization

ILDEX Vietnam 2026 successfully concluded its landmark 10th edition, establishing itself as the premier catalyst for Southeast Asia's agricultural modernization. Held from May 20–22, 2026, at the Saigon Exhibition and Convention Center (SECC) in Ho Chi Minh City, the exhibition commenced under the timely theme: "Clean Livestock – Green Production – Sustainable Value Chain Development".

The three-day event provided critical commercial infrastructure for a sector that contributes 25% of Vietnam's total agricultural GDP and maintains a steady annual growth rate of 4% to 6%.

The Event by the Numbers

The scale of the 10th anniversary edition reflects a rapidly maturing regional industry leaning into automation, bio-security, and international trade. Official post-show metrics underscore its regional impact:

The Macroeconomic Catalyst: Driving Toward a $1 Billion Export Goal

Total Industry Professionals:10,519
High regional buyer concentration and networking velocity.

Exhibiting Brands : 230
Diversified displays ranging from genetics to meat-processing tech.

Countries & Regions Represented : 57
Global supplier interest focused heavily on Southeast Asian expansion.

Conference Delegates : 1,211
Active knowledge transfer regarding sustainable and green farming trends.

The timing of ILDEX Vietnam 2026 aligns with an unprecedented surge in Vietnam's livestock trade data. According to data shared at the event by former Deputy Minister of Agriculture Phung Duc Tien, Vietnam's livestock exports reached USD 245 million in the first four months of 2026 alone—marking a massive 45.5% year-on-year increase.

Key segments driving this export boom include:

- Milk & Dairy Products: Surpassed USD 62 million, more than doubling the performance of the same period last year.
- Meat & Offal Products: Reached USD 73.5 million, a 16.5% increase year-on-year.

At this current momentum, Vietnam's total livestock exports are projected to settle between USD 700 million and USD 750 million by the end of 2026, with a clear pathway to crossing the USD 1 billion milestone by 2027.


AROUND THE GLOBE
POULTRY


VETAGRO


POULTRY


AROUND THE GLOBE


SPACE
SPACE

1. Shift Toward Industrialized, Concentrated Models

Vietnam has firmly emerged as the largest animal feed producer in Southeast Asia and ranks in the top 10 globally. The country's demand for raw feed materials is projected to expand to 28–30 million tons annually over the next five years, valued at USD 12–13 billion. Exhibitors targeted this market heavily with advanced feed mill, milling, and raw material processing machinery.

2. Local Adaptability of Smart Farming Solutions

With Vietnam shifting rapidly from small-scale backyards to concentrated, bio-secure industrial models, global smart tech providers stole the spotlight. High-profile partnerships—such as Chinese ag-tech firm Shuying Technology deploying automated pig farming solutions and French pioneer IMV Technologies showcasing animal reproduction biotechnologies—proved that data-driven livestock monitoring is no longer optional for local integrators.

3. Chilled Meat and Sustainable Packaging Overhauls

On the consumer end of the value chain, processing equipment producers noted that chilled meat currently accounts for roughly 10% of the domestic market. However, driven by food safety anxieties, this segment is growing fast. Parallel to this, downstream suppliers like Denmark-based Hartmann introduced expanded, recycled-paper egg trays to cater to a rising domestic niche for cage-free and organic eggs within the country.

TeneT

HEALTHY ANIMALS, HAPPIER FARMS

Tenet Pharmavet LLP, headquartered in Mumbai, is a distinguished name in the Poultry and Animal Feed Industry. With over 15 years of experience, we have established ourselves as reliable partners for businesses seeking excellence in veterinary products and solutions. Our core expertise spans across Amino Acids, Veterinary Premixes, Pigments & Vitamin Premixes.

AMINO ACIDS		
L - Lysine Monohcl 98.5%	L - Lysine Sulfate 70%	L - Valine 98.5%
L - Threonine 98.5%	L - Isoleucine	L - Tryptophan 98.5%

NUTRITIONAL ADDITIVE		
Betaine Anhyrous	Betaine Hydrochloride 98.5%	Choline Chloride 60% Corn Cob
Choline Chloride 50%	Silica Basedl-Methionine 99%	Methionine Hydroxy Analogue 88%
Mono Calcium Phosphate 22.7%	Mono DI-Calcium Phosphate 22%	

PIGMENTS & COLORANTS		
Canthaxanthin 10%	Astaxanthin 10%	Apo-Ester 10%
Xanthophyll 2% & 4%	Beta-Carotene 10%	Tartrazine

ANTIBIOTIC FEED PREMIX		
Avilamycin 10%	Nosiheptide 1%	Chlortetracycline 15%
Tiamulin Fumarate 10%	Enramycin 8%	Tiamulin Fumarate 80%
Flavomycin 8% (Bambermycin)	Tylosin Phosphate 10%	Tincomycin Hcl 11%
Tylvalosin 10% & 17%		

COCCIDIOSTAT		
Clopidol Pure & 25%	Monensin 20% & 40%	Decoquinate 6.6%
Monensin + Nicarbazin	Diclazuril Pure & 0.5%	Robenidine HCL 10%
Dinitolmide 6%	Nicarbazin 8% & 25%	Nicabazin + Maduramicin
Salinomycin 12%	Maduramicin Ammonium 1%	Lasalocid 15%

VITAMINS		
Vitamin A Acetate 500,000	Vitamin B7 Biotin Pure / Biotin 2%	Vitamin A Palmitate 1.7 IU & 1.6 IU
Vitamin B8 Inositol	Vitamin AD3	Vitamin B9 Folic Acid
Vitamin B1 HCL & Mononitrate	Vitamin C Plain / Coated	Vitamin B2 80%
Vitamin C 35% Polyphosphate	Vitamin B12 1% UV & HPLC	Vitamin D3 4.0M IU/GM
Vitamin B3 Niacin / Niacinamide	Vitamin D3 5.0M IU/GM	Vitamin B5 Calcium Pantothenate
Vitamin E 50% / 95% / 98%	Vitamin B5 D-Panthenol	Vitamin K2 MK-7
Vitamin B6 Pyridoxine HCL	Vitamin K3 MSB / MNB	

Customized Vitamin Premix also available on request

TENET PHARMAVET LLP

+91-9987128190, +91-9819217106 | imports@tenetpharmavet.com | www.tenetpharmavet.com

Mumbai, Maharashtra, India

Chlortetracycline Annual Capacity 100000 MT

Jinhe

A publicly listed company
Stock Code: 002688

Jinhe CTC products are rigorously tested using the **High-Performance Liquid Chromatography (HPLC)** method to confirm their potency & purity of CTC 15%, which is essential for effective treatment.

For effective disease control & sustainable farm management, it is vital to choose genuine **Jinhe CTC** that has been tested and verified for quality.

Comparison between Fake CTC and Real CTC			
Item number	**Criteria**	**Fake CTC**	**Genuine CTC**
1	**Smell**	Dust-like smell, unpleasant, sometimes musty	Natural fermentation odor, no unpleasant smell
2	**Color**	Grey granule	Brown to dark brown granule
3	**Characteristic**	Non-compliant; granule texture too uniform; 0 CTC content	Not lumpy or moldy, relaatively uniform texture, compliant with standard
4	**Consequences**	Poor therapeutic effect, potential for resistance, damage to livestock health	Effective treatment, stable performance in disease prevention and control
5	**Benefits**	Lower purchase cost (Apparent Advantage)	Proven efficacy, safety, stable quality, improves farm productivity, high cost-effectiveness
6	**Risk of using Fake CTC**	Ineffective treatment, disease outbreaks, higher mortality, economic loss	/

Growth Stage	Susceptible Diseases	Typical Symptoms	CTC Dosage	Drug Combination	Treatment course
Chicks (0–6 weeks)	Necrotic enteritis	Black feces, depression, emaciation	2 kg	80% tiamulin fumarate premix 300 g	7 days, rest 3 days, repeat for 7 days
Chicks	Colibacillosis (airsacculitis/ septicemia)	Dyspnea, depression, cloudy air sacs		/	7–14 days
Growers	Chronic respiratory disease (CRD) with Mycoplasma or E. coli	Sneezing, open-mouth breathing, reduced egg production		/	7 days
Adult layers	Salpingitis or egg production decline syndrome (secondary infection)	Reduced egg production, soft-shelled eggs, feather loss		80% tiamulin fumarate premix 300 g	7 days
All stages	Mycotoxin-induced immunosuppression and secondary infections	Slow growth, diarrhea, high mortality		/	7 days

Fake CTC, on the other hand, is not subjected to such testing, and the final product often **lacks the required 15% CTC content**. This lack of quality control is the primary reason for **treatment failures** and other associated risks in Poultry Industry.

Using Fake CTC **endangers animal health**, increases the risk of **antimicrobial resistance**, and leads to serious **economic consequences**.

Farmers and veterinarians should always **verify product authenticity** and **rely on trusted suppliers** to safeguard both animal welfare and farm profitability.

Jinhe Biotechnology Co, Ltd.

No. 71 Xinping Road, Tuoketuo County, Hohhot City, Inner Mongolia, China

Email: gsm@jinhe.com.cn
monusai@tenetpharmavet.com
Tel: +91-9819083711

Vetline Concludes AGM 2025-2026 with Strategic Vision

Vetline, a division of Simfa Labs Private Limited and a prominent player in India's animal healthcare sector, successfully concluded its Annual General Meeting for the financial year 2025-2026. The event was held from April 2-4, 2026, at Hotel Ramada Encore,Indore.

The meeting convened senior leadership, sales heads, and technical experts from across the country to review organizational performance, introduce new product and define strategic priorities for the upcoming financial year.

The agenda featured a series of comprehensive and forward-looking sessions. A key highlight was the "Way Forward 2026-2027" address delivered by Director ,Mr. Dilraj Singh Bhatia and Executive Director ,MrSumeet Singh Bhatia, outlining the company's long-term vision and growth roadmap. This was followed by in-depth Sales Review for FY 2025-2026 & Sales forecast for FY 2026-2027 & product launch presentation led by Dr.Amit Kumar Patra, General Manager-Sales & Marketing. Marketing strategy discussions, including digital transformation initiatives, were presented by Prafulla Shukla, National Sales Manager. The program also included a leadership development workshop conducted by business consultant Manoj Nair, which received strong engagement and positive feedback.

Innovative Products launch

As part of its commitment to advancing poultry healthcare, Vetline introduced two new products-Immuity+ focused on improving immunity& TRI-O-GUT to improve intestinal health and enhancing overall performance. These innovations reflect the company's continued emphasis on developing effective, science-driven solutions for the poultry industry.

Recognizing Excellence

The Annual Meeting also celebrated outstanding employee contributions through a prestigious award ceremony.

Forward Outlook

In their closing remarks, the leadership reaffirmed Vetline's commitment to innovation, operational excellence, and collaborative growth. As the company enters FY 2026-2027, it remains focused on strengthening its product portfolio, expanding strategic partnerships, and enhancing its leadership capabilities to drive sustained success.

The Annual Meeting concluded successfully, reinforcing Vetline's strategic direction and its commitment to delivering value-driven solutions to the poultry healthcare industry.

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Composite Premix Systems in Modern Poultry Nutrition

Dr. Pothanna Technical Manager (Trouw Nutrition)

Mash feed continues to be the most widely adopted feeding system in the poultry and livestock industry because of its simplicity, flexibility, cost-effectiveness, and ease of implementation at both feed mill and farm levels. For decades, conventional mash feed manufacturing has played a critical role in supporting animal productivity by enabling nutritionists to formulate precise diets based on species, age and production stages.

Traditionally, micro-ingredients such as vitamins, minerals, amino acids, enzymes, toxin binders, and other functional feed additives are incorporated individually into the mixer. While this approach remains widely practiced, the growing intricacy of modern feed formulations has introduced several operational challenges. Achieving uniform distribution of low-inclusion ingredients, maintaining dosing accuracy, minimizing segregation, and efficiently handling multiple additives during feed processing can become difficult, particularly under large-scale production conditions.

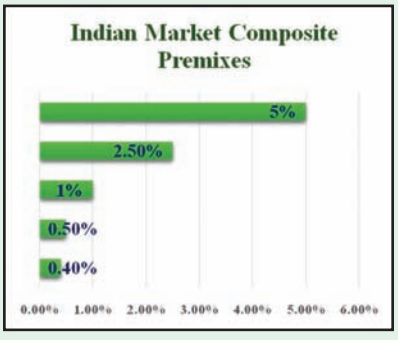
In recent years, feed formulations have expanded beyond conventional raw materials to include a broader range of functional components such as acidifiers, probiotics, antioxidants, and other bioactive compounds. While these additions enhance performance and resilience, they also increase formulation complexity and place greater demands on mixing precision and process control.

To address these challenges, composite premix technology has emerged as an advanced solution within conventional mash feed systems. By combining multiple micro-ingredients into a single, homogeneous blend prior to inclusion, composite premixes help improve mixing efficiency, reduce handling complexity, and enhance nutrient uniformity in the final feed.

However, the use of composite premixes also requires careful consideration. Nutrient stability, ingredient compatibility, and potential interactions among vitamins, minerals, and functional additives during processing and storage can influence overall efficacy if not properly managed through meticulous formulation and quality control practices.The selection of appropriate raw materials, carrier systems, mixing technologies, and storage conditions plays a vital role in preserving nutrient integrity and ensuring optimal bioavailability.

Therefore, both conventional mash feed systems and composite premixes hold significant relevance in modern poultry nutrition. While mash feed remains the foundation of feed manufacturing, composite premixes offer a strategic approach to improving precision, consistency, and functional performance when designed and applied effectively.

Composite Premix



A composite premix is a scientifically formulated blend of multiple micro-ingredients combined into a single homogeneous mixture prior to incorporation into

animal feed. These premixes typically include vitamins, minerals, amino acids, enzymes, toxin binders, acidifiers, antioxidants, probiotics, betaine, and other functional additives in well-adjusted proportions.

In modern poultry and livestock nutrition, the inclusion of multiple functional additives at very low inclusion levels has become increasinglycommon. Under such conditions, achieving uniform distribution of individual ingredientsin conventional mash feed systems becomes challenging. Composite premixes address this limitation by improving dispersion and ensuring a more consistent supply of nutrients throughout the feed.

Besides facilitating mixing uniformity, composite premixes contribute to overall feed system efficiency by supporting:

- Precision nutritionthrough accurate nutrient delivery
- Better feed consistencyacross batches
- Reduction in weighing and handling errors at the feed mill
- Improved feed mill efficiency
- Simplified inventory management
- Consistency in animal performance

An important advantage of composite premixes lies in their flexibility. They can be customized based on species, production stage, and specific field challenges such as heat stress, gut health management, liver function support, and mycotoxin risk mitigation. This adaptability makes them a valuable tool in addressing region-specific and farm-level nutritional requirements.

In the Indian poultry industry, 0.4%, 0.5%, 1%, 2.5%, and 5% composite premixes are commonly used, each offering distinct functional and practical advantages. The choice of inclusion level is influenced by feed mill capabilities, formulation strategy, ingredient availability, and the degree of nutritional precision required.

Lower inclusion premixes, particularly 0.4% and 0.5%, are widely adopted in layer feed as flexible, near-universal solutions. These formulations typically exclude fixed amino acid profiles, allowing nutritionists greater freedom to adjust protein sources and incorporate unconventional raw materials based on cost and availability.

Source	Advantages	Disadvantages
MCP (Mono Calcium Phosphate)	Higher phosphorus availability, better digestibility, improved nutrient utilization, greater formulation flexibility	Hygroscopic in nature, may lead to bag bulging, caking, reduced flowability, and potential vitamin stability issues during storage
DCP (Di Calcium Phosphate)	More economical, widely available, better physical stability, lower moisture absorption, easier storage and handling	Lower phosphorus availability and comparatively lower nutrient utilization than MCP

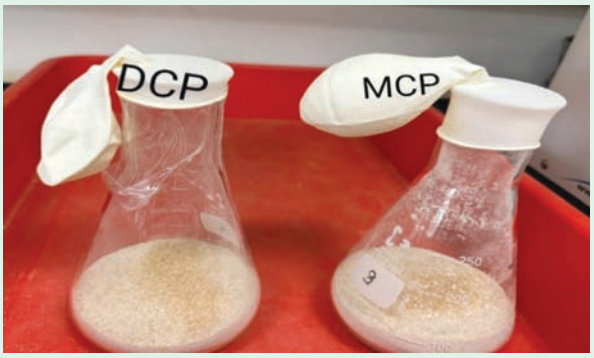
In contrast, higher inclusion premixes such as 1%, 2.5%, and 5% often contain defined amino acid specifications along with a broader range of functional additives. While these systems offer improved standardization and ease of formulation, they require careful alignment with bird age, production stage, and performance targets to fully realize their benefits.

Key Practical Considerations

In composite premix formulation, the selection of mineral sources is critical for maintaining nutrient stability, feed quality, and shelf life. Among phosphorus sources, Mono Calcium Phosphate (MCP) and Di Calcium Phosphate (DCP) are commonly used based on formulation and handling requirements.

DCP is generally preferred in commercial premixes due to its better physical stability, lower moisture absorption, ease of handling, and cost-effectiveness under practical storage conditions.

Ingredient Interactions and Nutrient Stability



One of the key challenges in composite premixes is the interaction between vitamins, minerals, and other functional additives during storage and feed processing. Certain inorganic minerals can accelerate the oxidation of sensitive vitamins, leading to reduced nutrient stability

and biological effectiveness before feed consumption.

Additionally, the source and form of minerals significantly influence nutrient utilization. Inorganic minerals generally have lower bioavailability compared to organic or chelated forms. As a result, improper ingredient selection and incompatibility among nutrients can adversely affect nutrient availability, animal performance, and overall feed efficiency.

Importance of Carriers and Density in Composite Premixes

Both organic and inorganic carriers are commonly used in composite premix formulations, with selection depending on formulation objectives, physical properties, and cost considerations. Inorganic carriers such as calcium carbonate, dicalcium phosphate, and silica-based materials are widely used for their consistent particle size, density, and compatibility with various nutrients.

Organic carriers, including rice hulls, wheat bran, rice bran, maize bran, and soybean hulls, are also used based on availability and desired functional properties. These materials can contribute to moisture absorption, improved bulk characteristics, and better handling during processing.

The choice of carrier should be based on factors such as particle size, bulk density, moisture content, interaction with active ingredients, and overall impact on premix stability, rather than preference for any specific material.

Homogeneity and Quality Control

Proper homogeneity is essential in composite premixes to ensure uniform nutrient distribution and consistent animal performance. Good mixing uniformity supports feed quality, nutrient accuracy, and overall product consistency.

Regular quality control is critical to maintain premix stability and effectiveness. Key parameters such as moisture content, physical stability, coefficient of variation (CV), and vitamin recovery should be routinely monitored to ensure nutrient integrity during manufacturing and storage.

In addition, maintaining fresh stock and minimizing storage duration are important for preserving nutrient activity and shelf life. Appropriate storage conditions and efficient inventory management further help in maintaining product quality and achieving consistent field performance.

Conclusion

The success of composite premix systems depends on a well-controlled approach to formulation and manufacturing. Key factors such as ingredient compatibility, nutrient stability, carrier selection, density balance, mixing uniformity, storage conditions, and robust quality control collectively determine the consistency and effectiveness of the final product. Equally important is the role of modern feed mill infrastructure, including advanced mixing technology, accurate dosing systems, and controlled processing conditions.

Trouw Nutrition supports this approach through customized

composite premix solutions backed by strong technical expertise, advanced manufacturing capabilities, and comprehensive laboratory support. By integrating scientific formulation with practical field application, composite premixes can significantly enhance feed quality, optimize nutrient utilization, and drive consistent animal performance.

As the industry continues to move toward precision nutrition and performance consistency, composite premix systems will play an increasingly important role in modern poultry feed manufacturing.

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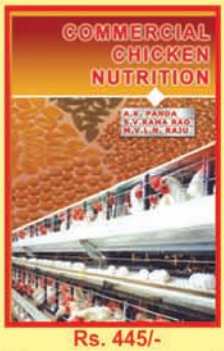

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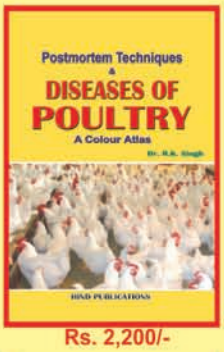

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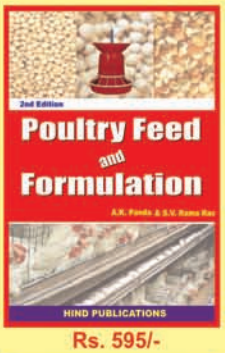

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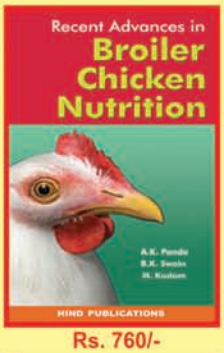

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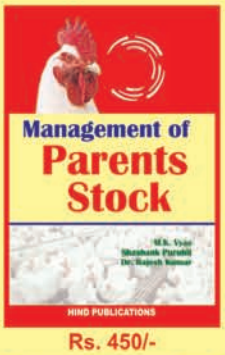

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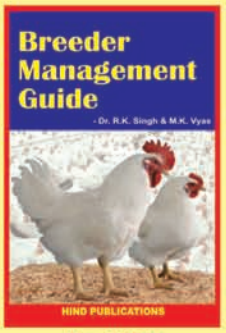

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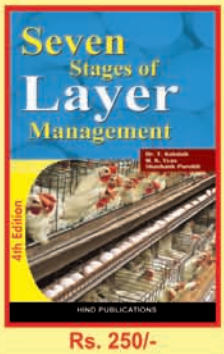

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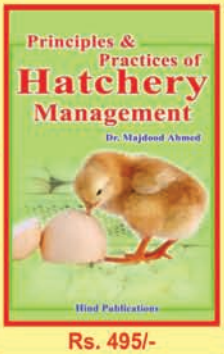

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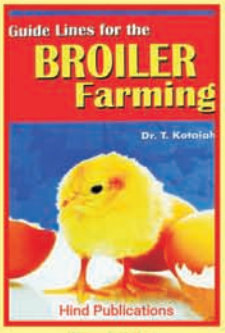

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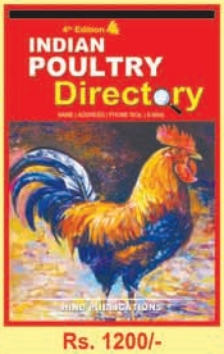

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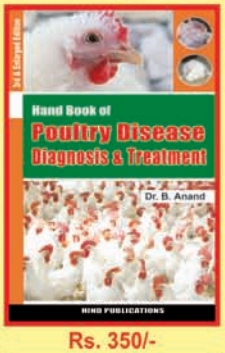

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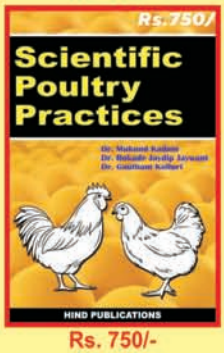

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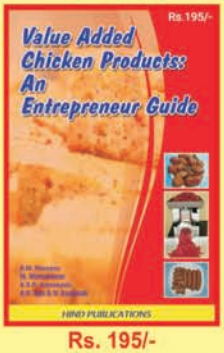

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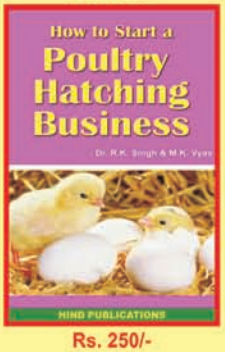

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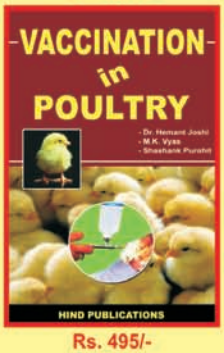

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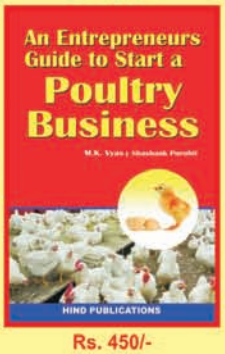

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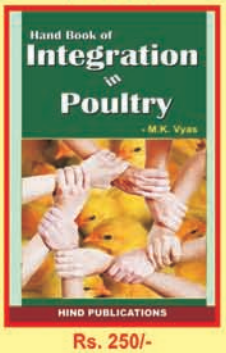

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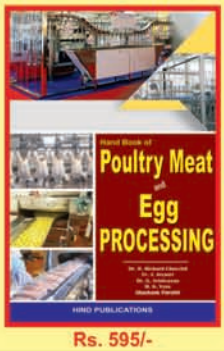

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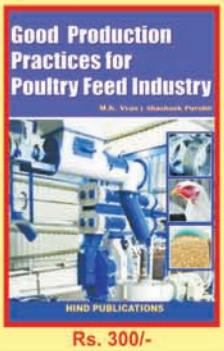

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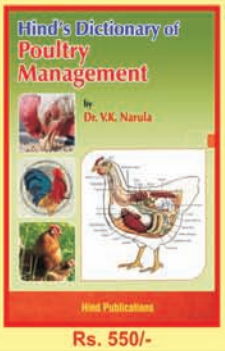

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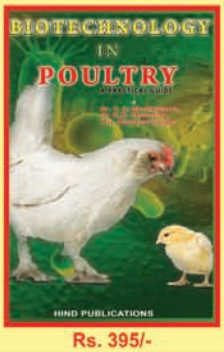

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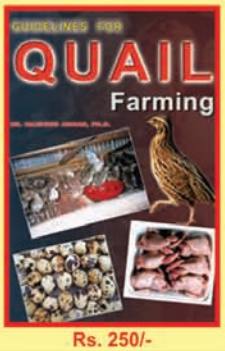

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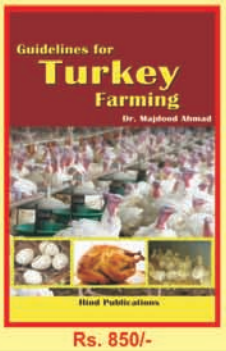

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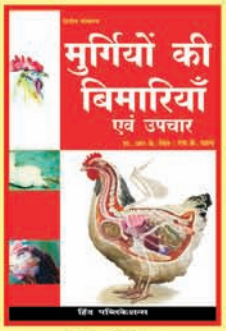

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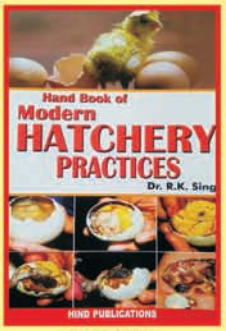

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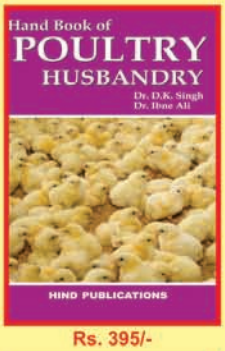

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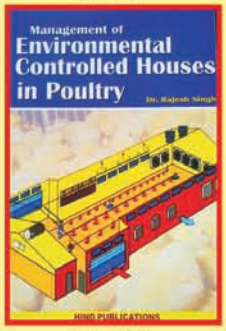

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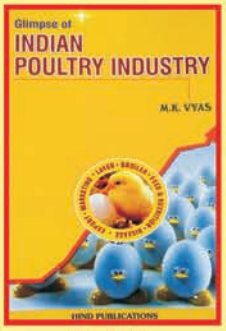

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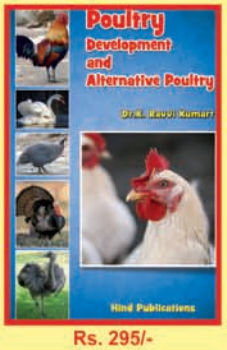

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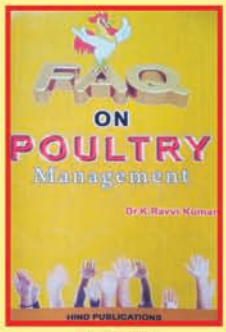

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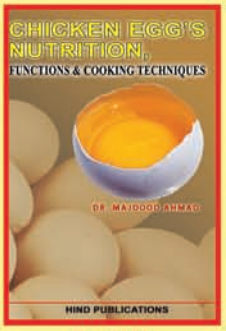

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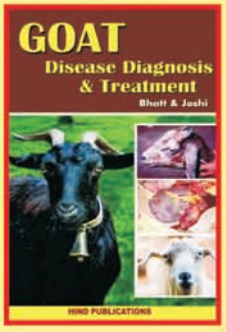

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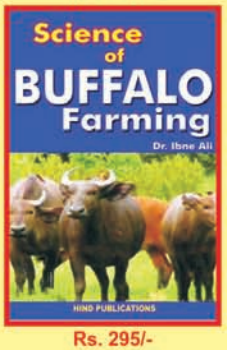

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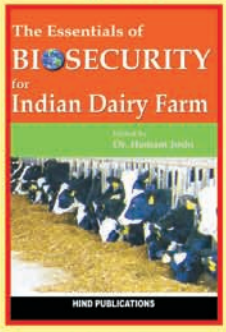

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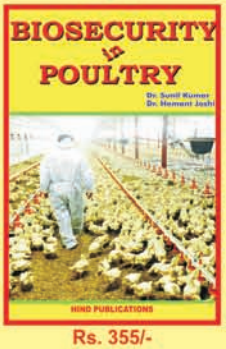

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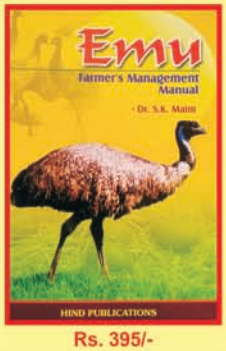

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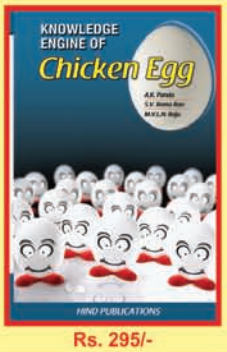

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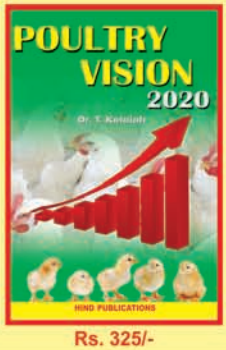

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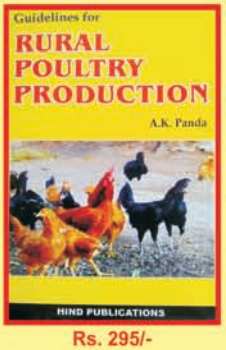

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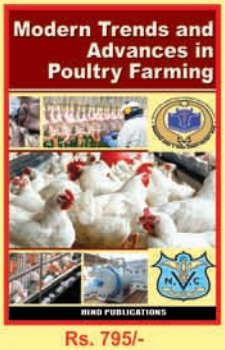

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Mobile: +91-93913 78805, +91-9502159098
E-mail : hindpoultry@hotmail.com
Website : www.hindpoultry.com

Marketed by : **ARCHANA PUBLISHING HOUSE**
304, Plot No. 19, Huda Complex, Saroor Nagar,
Hyderabad - 500 035. Telangana. INDIA
Mobile : +91-9390243539 +91-94408 37109
E-mail : archanapublishers@outlook.com
Website : www.poultrydairyfeed.com

Jaarbeurs announces acquisition of food & agri innovation platform Foodbytes from Rabobank during VIV Europe 2026

Jaarbeurs announces acquisition of food &agri innovation platform Foodbytes from Rabobank during VIV Europe 2026 Royal Dutch Jaarbeurs is acquiring the innovation platform Foodbytes from Rabobank. Since 2015, Foodbytes has been an international hub for startups, corporates, and investors active in the agri and food sectors. The platform brings together stakeholders working on areas such as regenerative agriculture, alternative protein production, robotics and automation in farming, and innovations in seaweed production. The acquisition was announced today at VIV Europe 2026, the international agritech exhibition currently taking place at Jaarbeurs.

Jaarbeurs has been active worldwide in the agri and food sector for over forty years through VIV Worldwide, a global network of events. Jeroen van Hooff, CEO of Royal Dutch Jaarbeurs: "With Foodbytes, we are making a significant step forward in creating digital opportunities for our community in this sector. Live encounters are and will remain crucial; with Foodbytes, we are also expanding our online offering of relevant meeting spaces for decision-makers, investors and entrepreneurs. It is not only part of our digital strategy, but also of the further development of our position in this sector. With Foodbytes, we gain insights and knowledge that we can share with the food and agri community to support their growth. Rabobank and Jaarbeurs know each other as trusted and inspiring partners—and we are literally neighbors in Utrecht.

We are therefore very pleased to continue our collaboration, including in the context of Foodbytes." Foodbytes has grown rapidly in recent years and is now ready to enter its next phase of growth. Roland van der Vorst, Strategic Advisor of the Board of Rabobank and as former Head of Innovation responsible for launching Foodbytes: "It is impressive how the Foodbytes team has grown from a physical event into a fully-fledged international digital innovation platform. As Rabobank, we are proud of what we have developed, and we also see that Foodbytes has greater potential to grow beyond the confines of a strictly regulated financial institution. With Jaarbeurs, we have found the ideal partner to achieve this: we will continue to work closely with Foodbytes as a strategic partner, and the combination of digital and physical events holds great promise."

Bangladesh's Poultry Sector Faces a Tougher Policy Climate Just as Costs Keep Climbing

Bangladesh's poultry sector is entering a more demanding phase, shaped by an uneasy mix of policy uncertainty, cost escalation, and structural pressure on producers. Regional reporting in late April points to rising strain in the sector, with poultry businesses confronting an operating climate that looks less forgiving than in previous growth periods.

Bangladesh has long been one of South Asia's most dynamic poultry markets, with strong domestic demand, an extensive feed and hatchery network, and a central role in affordable protein supply. Yet rapid growth often exposes hidden fragilities. In Bangladesh's case, those fragilities include sensitivity to feed costs, uneven policy implementation, and the delicate balance between large integrated firms and smaller producers trying to survive in a fast-modernizing system.

The latest concern is that policy direction may be getting harder to read at the same moment costs are becoming more punishing. This combination is especially difficult for poultry businesses because the sector works on narrow operational margins and short production cycles. A sudden shift in input prices, import rules, taxation, or administrative enforcement can alter placement decisions almost immediately. Producers do not enjoy the luxury of waiting six months to respond.

Four Decades of Service to Animal Health LANXESS Celebrates its Anniversary!

Four decades of service to animal health: Virkon S from LANXESS celebrates its anniversary! Since its market launch in 1986, the specialty chemicals company's disinfectant has established itself as the standard in livestock biosecurity, promoting animal health and combating animal diseases worldwide.

Its track record is impressive: Virkon S has been tested effective on over 230 microorganisms. This includes more than 100 virus strains in 34 virus families, more than 90 bacterial strains, and over 40 fungal and yeast strains. In recent decades, the product has been used successfully to contain Avian Influenza, African Swine Fever, Vesicular Swine Disease, and Foot-and-Mouth Disease, among others.

Virkon S also enjoys a high level of trust at the government level worldwide. Authorities in numerous countries have included it in their programs as the disinfectant of choice in their emergency plans for combating animal diseases outbreaks.

Produced in Sudbury, UK, Virkon S is currently available in over 80 countries. This is because LANXESS has continuously obtained further approvals for the product – both in terms of the countries in which it is distributed and the areas of application, i.e., the animal diseases it can be used to combat.

A key advantage of Virkon S is its fast action: The broad-spectrum virucidal disinfectant kills viruses and bacteria within seconds or minutes.

The product is also easy to use and highly versatile, with approvals for a wide range of applications supporting critical animal hygiene activities. In many markets, it is approved for the disinfection of animal drinking water. It helps farmers to maintain daily hygiene, and to respond quickly to sudden disease outbreaks.

"Celebrating its 40th anniversary, Virkon S continues to offer a proven and broad-spectrum effectiveness. Our mission remains unchanged: We want to safeguard animal health and support livestock producers to overcome biosecurity challenges", says Stefanie Gschwandner, Head of Market Segment LANXESS Biosecurity Solutions. "We aim to effectively combat current and future disease outbreaks and prevent their spread".

Vietnam's Humane-Certified Cage-Free Farm Shows Eggs Are Finding Their Language

Vietnam's poultry industry has taken a meaningful step in the premium egg segment with a farm gaining humane certification for cage-free eggs, a development that may appear modest in scale but carries outsized significance for the country's evolving layer market. In an industry often dominated by discussions about price, feed, and disease, this certification introduces a different vocabulary: welfare assurance, consumer trust, and premium differentiation.

Vietnam's poultry sector is growing quickly, but growth alone does not define maturity. Markets mature when they begin to segment more clearly, offering not only more product but more value propositions. Cage-free eggs with humane certification fit precisely into that pattern. They allow producers to serve customers who are willing to pay for a product associated with better treatment of birds, stronger traceability, and a more modern farming image.

This matters especially in urban Vietnam, where retail modernization and middle-class consumption are advancing together. In cities like Ho Chi Minh City and Hanoi, a growing slice of consumers is becoming more conscious of food origin, safety, and ethical framing. While price remains decisive for much of the market, premium niches are gaining visibility. A certification-backed cage-free offering gives farms a way to speak to those consumers with something more concrete than marketing claims.

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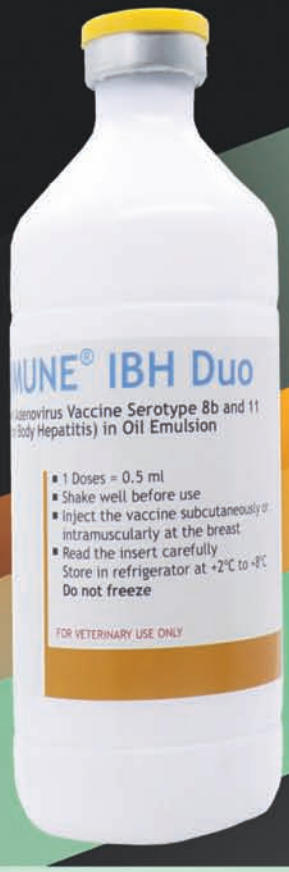

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