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Pg. 06

VIV Asia 2025: High-level Seminars on Sustainable Animal Farming, Biosecurity, **Disease Prevention** Pg. 15 and More





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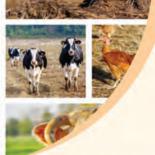
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How Poultry Production in India Evolved towards a 'No Antibiotics Ever' model





VIV Asia 2025: Highlevel Seminars on Sustainable Animal Farming



Dhumal Industries Proudly Participated in IPPE at Atlanta to further Strengthen its Presence in the Global Market







Nashik based Dhumal Industries, the pioneer of introducing plastic poultry equipments in India, proudly participated in IPPE at Atlanta to further strengthen its presence in the world market.

Dhumal Industries was established in 1979 by Mr. Anil Dhumal. Since then it has become a pioneering force involved in designing, manufacturing and supplying of poultry equipments. The compny help their customers unlock new opportunities of continual growth. Popularly known as Dhumal products among poultry priducers, these products are a class apart with their attractive and distinctive features and are synonymous in the market for their excellent quality and ease of operation.

Dhumal Industries enjoys national leadership in its business, being the largest producer of drinking and feeding system in India, and has collaboration with leading international companies and also exports its products to many countries with customized solutions, catering to the specific needs from open houses to sophisticated E.C. Houses. For over four decades, Dhumal continues to be one of the largest and most trusted poultry equipment companies in India and enjoys a lion's share in installation of durable, sturdy and quality poultry equipment's.



Hind Poultry's Eagle Eye on Recently Concluded IPPE in Atlanta



It is estimated that close to that 30000 people visited the IPPE event last week in Atlanta which is said to be fewer then last year, but still satisfactory as per orgnizers.

We all know that Georgia the main poultry producer and exporter in the U.S.A and one major issue that dented the visitors outflow was the avian flu detected a few days before in the state of Georgia. it seems that there were potential visitors who did not come because of the outbreak and several restrictions. Many important poultry producers also did not attend the show.

It is to be noted that IPPE is still one of the most important events of the world poultry industry and despite several odds it was satisfactorily held.

Some of major Indian Companies; Nurture Technology Pvt. Ltd., Lumis Biotech, Natural Remedies Private Limited, PVS Group of Companies, SK BiobizPvt. Ltd, Amorevet, Camlin Fine Sciences (CFS), Vinayak Ingredients Pvt. Ltd., Dhumal Industries & Gartech participated at two IPPE-2025. Through their booth, these Indian companies actively highlighted their advancements in natural feed additives, Herbal equipments and poultry health products to delegates visiting IPPE Expo from around the Globe. 🛕

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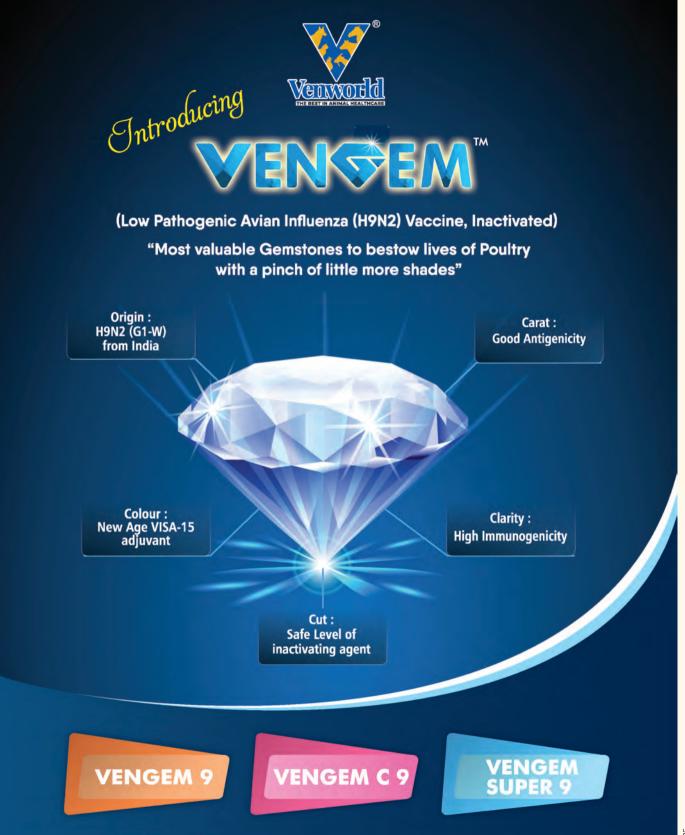
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Two Decade Wait set to End with the Introduction of "VENGEM" LPAI (H9N2) Vaccine by Ventri Biologicals Pvt. Ltd. for the First Time in India

Infections of low pathogenic avian influenza virus (H9N2 subtype) cause huge economic losses to the poultry farmers/industry in India due to reduced egg production (up to 50%), respiratory illness and



control the spread of H9N2 in chicken. The vaccine protects against all antigenically divergent strains of H9N2 low pathogenic avian influenza virus in India. The vaccine can help reduce economic losses for poultry farmers

mortality. In India, infections with H9N2 virus in poultry have been reported since 2003 and is widely prevalent and endemic. However, no vaccine was available so far against the circulating H9N2 viruses in India which belong to G1-W lineage. Although commercial vaccines are available abroad, antigenic divergence between the vaccine strain and the currently circulating field strains in India may result in poor antigenic coverage leading to the vaccine failure. As protection provided by imported vaccine against the strains circulating in India is uncertain, there is a pressing need of an indigenously developed vaccine which can provide protection against the circulating H9N2 virus strains in India. This was followed by the Government of India'snew vaccine policy in August 2022. Based on the consultations with the experts and requests from the stakeholders, the Department of Animal Husbandry and Dairying agreed to the policy for vaccination against LPAI (H9N2) in India.

The National Institute of High Security Animal Diseases (ICAR-NIHSAD) in Bhopal, India developed the first indigenous vaccine for the H9N2 avian influenza virus in chickens. The vaccine is intended to prevent and

and the poultry industry to increase the income of poultry farmers.

According to the policy Technology transfer of

"Inactivated low pathogenic avian influenza (H9N2) vaccine for chickens" developed by ICAR-NIHSAD, Bhopalhappened to M/s Venkateshwara Hatcheries Pvt. Ltd., Pune, facilitated by M/s. Agrinnovate India Ltd. (AgIn) at NASC, New Delhi. As part of technology transfer, hands on Training on "Low Pathogenic Avian influenza (H9N2) Vaccine Inactivated" for Ventri's Production team at NIHSAD, Bhopal, India.

Ventri Biologicalsbuilt a first-of-its-kind Biosafety level-3 (BSL-3) vaccine production facility for Poultry industry in India, dedicated for LPAI vaccine production with Process Automation with semi-auto chick embryo inoculator, automated allantoic fluid harvest machines, closed containers inactivation and product formulation followed by auto product filling and labelling stations.

Ventri Biologicals branded the product as "VENGEM". Also, Ventri Biologicals is coming over with series of products including the concentrated form and the combination with other viral vaccines.

Visit: www.hindpoultry.com February 2025 | 9



Telangana: Engaging Poultry Farmers n **Experts**

The first launch events

took place on the 6th, 7th, and 8th of January at Hyderabad, Siddipet, and Karimnagar respectively. Mr. K.G. Anand, General Manager inaugurated the seminars with insightful opening remarks, emphasizing the vaccine's critical role in protecting poultry health. Dr. Prakash Reddy (DGM) delivered a comprehensive approach for disease control in poultry with special emphasis on how Vengem strengthens flock immunity and minimizes economic losses caused by LPAI. Additionally, Dr. N. Baburaj (DGM) provided updates on other vaccines in Ventri's portfolio. The events concluded with gratitude from Mr. Suneel Sharma (AGM), who acknowledged the contributions of the attendees and the Venworld team, which played a vital role in ensuring the success of these events.

Maharashtra: **Expanding Awareness in Key Poultry Hubs:**

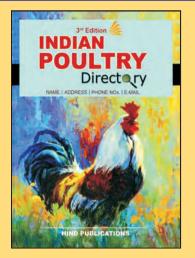
On the 15th, 16th, 22nd, and 28th of January 2025, the vaccine launch continued in Nashik, Pune, Sangli, and Amravati respectively. These events highlighted the importance of Vengem improving poultry health and productivity in Maharashtra. Mr. Deepak Khosla, General Manager opened the sessions with remarks on vaccine's transformative potential. Dr. Sanjay Gavkare, General Manager explained the

approach towards the | implementation of H9N2 vaccine policy in India, with the Ventri Biologicals infrastructure development and standardisation of Vengem vaccine boosting flock immunity mitigating the economic losses. This was followed by open session with Dr. M.M. Chawak and Dr. Prakash Reddy to address the queries over the strategies of disease control in poultry. In Amravati, the presentation was led by Dr. Namdeo Bulbule, who provided valuable insights. Dr.HG Murade, concluded the events with warm words of appreciation for the attendees and organizers.

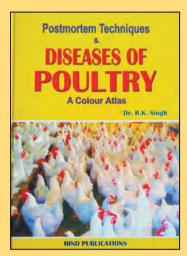
Bihar and Uttar Pradesh: Reaching **New Frontiers:**

Vengem launch meetings in Uttar Pradesh took place on the 22nd, 23rd, and 24th of January 2025at Gorakhpur, Kanpur, and Lucknow respectively, covering the key poultry belts of Uttar Pradesh. The events began with inspiring remarks from Mr. H.S. Padda, followed by an in-depth presentation from Dr. Prakash Reddy on the efficacy of Vengem in preventing economic losses due to LPAI, along with a comprehensive approach for disease control in poultry. In Patna the meeting took place on 8th Jan 2025, and the presentation was delivered by Dr. Shashikant Shiwarkar and Dr. Jaypal Kumar Singh. The Venworld team once again proved instrumental in executing these successful seminars. Shashibushan and Chitaranjan Sahoo, concluded the events at Uttar Pradesh and Patna respectively with warm words of appreciation for the attendees and organizers. 🛕

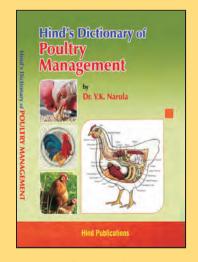
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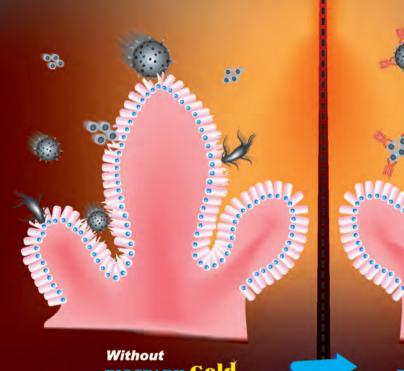
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Multiple toxin Challenges in feed and its solution Technical session organized by Venky's India Limited











Venky's India Limited Organized Technical Seminars across few zones in India from the 9th to 13th of December 2024 at Hotel Sayaji, Pune, Radisson blu, Bangalore, Nala Hotels, Namakkal, and Le Meridien, Coimbatore. Dr Joseph Garcia, technical manager, Special Nutrient, USA was expert guest speaker. The theme of the seminars was "Multiple toxin challenges in feed and its solution"

Dr. Joseph Garcia started his presentation on "Toxin in Poultry" by showing some Photographs of the post-mortem lesions caused by mycotoxicity in poultry. These Photographs of post-mortem lesions give a clear idea about different lesions in different organs by different mycotoxins. He also talked about the prevalence of different toxins in the feed & presented updated data on its prevalence around the world and its Indian

scenario and how Biobantox and Biobantox Plus can play a critical role in toxicity prevention and management in poultry.

Afterwards, Dr. Joseph Garcia updated about the endotoxins and their consequences in poultry production. The endotoxins disrupt gut health in poultry. Endotoxins, also known as lipopolysaccharides (LPS), are part of the outer membrane of the cell wall of all gram-negative bacteria (e.g. E. coli, Salmonella spp., Shigella spp., Pseudomonas spp., among others) that are released from bacterial cell wall by shedding or through bacterial lysis. As the gramnegative bacteria are part of poultry microbiota, lipopolysaccharides (LPS) are also present in the intestine. Under eubiosis, this does not affect animals negatively because intestinal epithelial cells are poorly responsive

Lipopolysaccharides (LPS) when stimulated from the apical side.

Endotoxins are released in systemic circulation from gramnegative bacteria whenever we use antibiotics against these gramnegative bacteria. This released endotoxin in the systemic circulation of birds affects their health and reproduction. In vitro and in vivo studies of Biobantox Plus have shown binding efficiency against endotoxins (Lipopolysaccharides). Endotoxins, Pesticides, Mycotoxins adversely affect the immune system and performance of the birds. He concluded that Biobantox Plus is very effective in binding Endotoxin along with the adsorption of mycotoxins and pesticides, thus keeping the bird's health in good condition.

Dr. Joseph Garcia also mentioned immunosuppression caused by mycotoxins



subsequent vaccine failures. He emphasized that one should be very careful while selecting a toxin binder as some agents such as activated charcoal if included as a toxin binder may have deleterious effects on health by binding the nutrients such as vitamins and minerals from the feed. Biobantox Plus takes care of mycotoxins, Endotoxins & Pesticides and helps in maintaining optimal health of the birds resulting in better performance.

The seminars at Bangalore, Namakkal, Coimbatore, and Pune were attended by field veterinarians, broiler breeders, broiler integrators, and layer farmers. At Bangalore, Namakkal, and Coimbatore Dr. N. Baburaj (Deputy General Manager sales and marketing) gave an introductory speech and was introduced by Dr. Garcia while at Pune Dr. Vishwas Sagajkar (Deputy General Manager sales and marketing) gave an introductory Speech. Appreciable efforts were taken by Dr. Hemant Murade

(Deputy General Manager sales), Mr Ram Ghate (Assistant General Manager Sales, West Zone), Mr R.D Lokesh(Zonal manager, South II), Mr M. Babu (Senior Regional Sales Manager South II), Mr Murugesan (Zonal Manager), Mr Umapathi, Mr Chinnaraj (Senior Zonal Manager), and Mr Shahaji Huda (Zonal Manager) for arranging the program at various places. The seminars were guided by Mr Deepak Khosla, General Manager Sales and Marketing, Venky's India Ltd. In the end, Dr. Vishwas Sagajkar thanked everyone for attending the seminar and concluded with positive results and excellent ROI of Biobantox and Biobantox Plus in poultry feed.

The seminar received a massive response from poultry farmers, veterinarians, and consultants. In all the seminars queries from the participants were discussed in detail. Farmers and veterinarians were happy with the updates and solutions given by Dr. Joseph Garcia on multiple toxins.



The Poultry Industry Alliance formed to Unite over 30 Associations from Various Regions



The Poultry Industry Alliance (PI Alliance), formed to unite over 30 associations from various regions and sectors of the fragmented poultry industry, has been established to advocate for increased poultry consumption and represent the industry's interests in dealings with state and central governments.

During the recent three-day Poultry Expo in Hyderabad, leaders from these associations highlighted the industry's need for better access to working capital, as well as a consistent supply of maize and soya, essential components of poultry feed.

The poultry industry in India consumes over 50% of the country's maize and soya production, underscoring its vital role in the agricultural economy.

Uday Singh Bayas, President of the Indian Poultry Equipment Manufacturers Association (IPEMA) highlighted that the this alliance will comprise all State-level poultry associations. It will be a unified voice of the industry.,"

He stated that the fluctuating prices of maize and soya, vital components of poultry feed, present a major challenge to the industry's profitability. The alliance intends to collaborate with the government to secure stable supply and pricing for these critical ingredients. •

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VIV Asia 2025, the premier international trade show for the animal protein production and processing industry is set to return this year in co-location with Meat Pro Asia and Horti Agri Next (HAN) Asia, with an expanded focus on sustainable solutions. This year's edition will feature a series of highlevel seminars that will address pressing challenges in modern livestock production, including disease prevention, regenerative agriculture, and biosecurity. These seminars will provide a platform for in-depth discussions, knowledgesharing, and collaboration among industry professionals, all with the shared goal of shaping the future of animal farming.

150 seminars, 300 industry experts

With over 150 curated sessions led by 300 industry experts, a major emphasis of VIV Asia 2025 will be on disease prevention and biosecurity, where speakers will present cutting-edge strategies for controlling infectious diseases, mitigating risks, and enhancing farm

biosecurity to ensure resilient livestock production. The seminars will offer insights into the latest scientific developments, policy frameworks, and technological innovations designed to protect animal health and minimize the risk of disease outbreaks. Another key focus will be on regenerative agriculture within animal farming, with thought leaders exploring sustainable farming practices that enhance soil health, foster biodiversity, and optimize resource efficiency. Discussions will highlight the economic and environmental benefits regenerative approaches, along with real-world case studies that demonstrate their effectiveness.

Smart tech and alternative protein

The role of smart technologies and precision farming in advancing livestock management will also take center stage. Industry leaders will delve into the transformative impact of artificial intelligence, the Internet of Things (IoT), and automation in improving productivity, optimizing resource use, and reducing environmental impact. Attendees will gain valuable insights into how these innovations can be integrated into existing farming systems to drive efficiency and sustainability. Feed innovation and alternative protein sources will be another critical topic, with a focus on the latest developments in animal nutrition. Experts will examine alternative feed sources that not only enhance sustainability but also improve animal health and productivity. The discussion will cover advances in feed formulation, nutrient efficiency, and novel protein alternatives.

Conference highlights to watch out for

Among the sessions lined up at VIV Asia 2025, attendees can watch out for these key conferences and plan their schedules accordingly to avoid missing any of the sessions on high demand: Aquatic Conference, AgriBITs, the 1st World Native Poultry Conference,

Visit: www.hindpoultry.com February 2025 | 17

Sustainable Farming Practices and Animal Health: A Pathway to Achieving Agricultural Climate Mitigation, Functional Testing Innovation and Aquaculture 2025 (FITA 2025): Shrimp Digestive Health, Shaping the Future of Local Dairy Markets, Biotechnology Innovation for Health Promotion and Sustainability Improvement in Animal Farming, and Smart Insect-Driven Feed Solutions for Sustainable Agriculture, among many others! More details regarding the specific locations, dates, and times can be found on the VIV Asia website under the Conference Program section. All in all, VIV Asia 2025 offers attendees the opportunity to engage with global experts, network with industry leaders, and firsthand exposure groundbreaking technological advancements aimed revolutionizing the animal protein production sector.

Birgit Horn, Managing Director at VNU Europe shares, "VIV Asia 2025 represents a critical opportunity for industry stakeholders to access the latest knowledge, exchange ideas, and collaborate on innovative solutions that will shape the future of animal farming. These high-level seminars and conferences will provide an unparalleled platform for discussing the challenges and opportunities that lie ahead, ultimately contributing to a more sustainable and resilient industry."

Don't miss VIV Asia, Meat Pro Asia, and Horti Agri Next Asia 2025 from March 12-14, 2025, at IMPACT, Bangkok, Thailand! Onsite registration costs •15 or THB 600. Register online for Admission** before March 11, 2025

About VIV worldwide |

VIV worldwide is the business network linking professionals from Feed to Food, offering boundless opportunities to the animal protein supply chain players. worldwide developed with dedication a network through 40 years of experience and interactions with the industry, becoming today the leading platform in and for some of the most promising markets of the world.

About Horti Agri Next Asia (HAN Asia) | HAN Asia is the Horti Agri Next hub edition tailored specifically for the Asian market, showcasing the latest in horticultural food production, landscaping, controlled environment practices, environmental conservation, agriculture. HAN Asia brings together industry professionals and experts from across Asia and around the world. Join us at HAN Asia to explore the forefront of the Asian horticultural and agricultural industries.

About Meat Pro Asia | Meat Pro Asia is a professional trading platform for food processing machinery and packaging technologies. Organised alongside with VIV Asia, the fairs provide the complete supply chain from feed to food to processing and packaging and sales, attracting then entire spectrum of food technology trade buyers in ASEAN region. For more information.

About VNU Group | VNU Group is a globally operating exhibition company with offices in Utrecht (VNU Europe) and Bangkok (VNU Asia Pacific). VNU Group is part of the Royal Dutch Jaarbeurs and represents its

international exhibition business outside of the Netherlands. Each VNU office runs a portfolio of exhibition and conference brands with professional expertise on specific markets and industries. The Agri-food exhibition portfolio is a core business in both VNU regional offices. Other VNU Group main event sectors include Tech, Lifestyle, Construction, Lifesciences, Biotech, and more.

About VNU Europe | VNU Europe is a subsidiary company of Royal Dutch Jaarbeurs with its base in Utrecht, at the heart of the Netherlands and only 30 minutes from Amsterdam. The VNU Europe office is located within the extensive Jaarbeurs complex. The international team of VNU Europe is wholly involved in the agrifood sector, focusing on the organization of worldwide industry events such as VIV and Horti Agri Next.

About VNU Asia Pacific |

VNU Asia Pacific is part of VNU Group, a globally operating exhibition company with offices in Utrecht and Bangkok consolidates the international exhibition business of Royal Dutch Jaarbeurs. In Southeast Asia, Jaarbeurs formed a Joint Venture with TCC Group, a leading corporate conglomerate in the fastgrowing region. From its business hub located in Bangkok, VNU Asia Pacific covers all key exhibition markets in South East Asia. VNU Asia Pacific has a constantly expanding portfolio with currently 19 trade shows and event formats both online and face-to-face platforms including brands from the AgriTech, Animal Husbandry, Animal Companion, Food, Life Sciences, Biotechnology, 5G and IoT and Disaster Resilience industries.







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Majority of field trials were conducted at same farm with multiple sheds in integrations across various geographical locations and at different time of the year. Some of the integrators were generous in sharing complete production indices while others communicated the summary of the trial results. In the field trials, $Improval^{\text{TM}} \, MS \, was \, compared \, with \, antibiotic/probiotic/antibiotic + probiotic/probiotic + prebiotic \, control. \, Detailed \, reports \, available \, on \, request.$

[&]quot;1 FCR point represent third/last decimal point of 1000





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BIOSECURITY: WHAT IT IS AND WHY IT MATTERS

Biosecurity was originally defined by Koblentz (2010) as "a set of preventative measures designed to reduce the risk of transmission of infectious diseases".

This has since been updated and adopted into EU Animal Health Law (2016) as "the sum of management and physical measures designed to reduce the risk of the introduction, development and spread of diseases to, from and within an animal population, or in an establishment, premises or location (including modes of transport)."

In modern livestock production facilities, biosecurity includes all the preventative measures used to avoid contamination with biological agents. This includes measures taken to prevent the introduction of biological agents onto farms, and their subsequent spread.

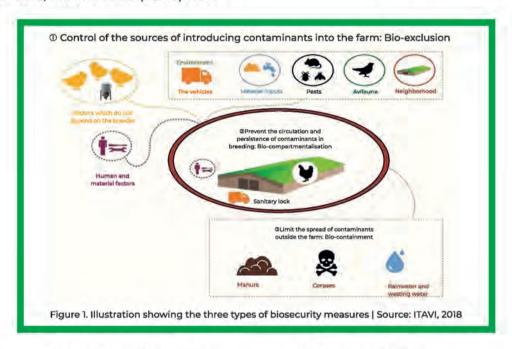


Figure 1 illustrates the three types of biosecurity measures used by livestock producers.

- 1. Bio-exclusion this aims to prevent and/or limit the introduction of new microbial, viral, or parasitic strains onto the farm.
- 2. Bio-compartmentalisation this consists of measures used to reduce the spread of germs inside the
- 3. Biocontainment the means implemented to limit the risks of transmission outside the farm and possible propagation.

Bio-exclusion encompasses the external biosecurity, including factors such as human and material factors, the environment, vehicles, inputs including feed and water supplies, and pests.

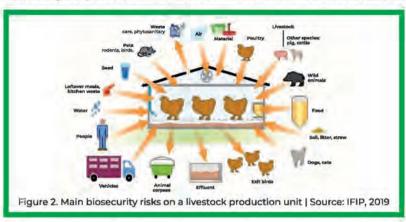
Bio-compartmentalisation covers internal biosecurity, making sure that sanitary measures are followed to keep clean areas of the farm free from potential contaminants. This might involve implementing procedures for entering a poultry or swine house for example.

Finally, biocontainment ensures that waste products including manure, corpses and drain water are managed responsibly, and the risks of transmission of biological agents outside of the farm are minimized.

Sources of contamination

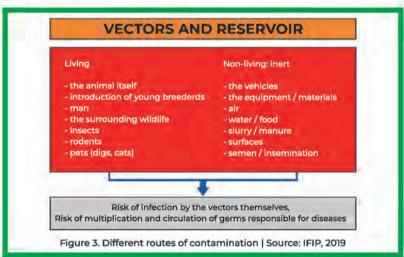
There are numerous potential sources of contamination in livestock production units. It is important to identify all of them to implement suitable protective measures.

The main biosecurity risks are illustrated in Figure 2. The majority of these risk factors come from the movement of people, wildlife, domestic animals, pests, vehicles and equipment between farms and production units. At the same time, special attention must be paid to the management of waste products being transported off the site, including manure or slurry, corpses, and wastewater, which can all diffuse contaminants outside the farm.



The different routes of contamination are shown in Figure 3. Contamination can be spread by vectors and reservoirs. Vectors carry disease from one host to another in one of two ways. Mechanical vectors transfer the pathogen on its body from one host to another but do not become infected themselves. Biological vectors become infected by the pathogen before passing it on and infecting other organisms.

The reservoir of an infectious agent is where the agent usually lives and multiplies. These can be living (e.g., a human) or non-living (e.g., soil or water).



The value of biosecurity

In many parts of the world, diseases including Foot and Mouth disease, African Swine Fever and Highly Pathogenic Avian Influenza (HPAI) have caused devastating economic losses. The appearance of such emerging or re-emerging diseases has fuelled the increase in biosecurity measures being implemented throughout the world. Growing consumer concern around food safety and increasing levels of globalization in the agriculture industry will only increase the importance of biosecurity.

Inadequate biosecurity measures may result in the spread of pathogens to other breeding units, or even to other geographical territories. Once a pathogen has reached a farm, the health of the animals will deteriorate leading to increased costs for treatments, and a decrease in the zootechnical & financial performance of the farm.

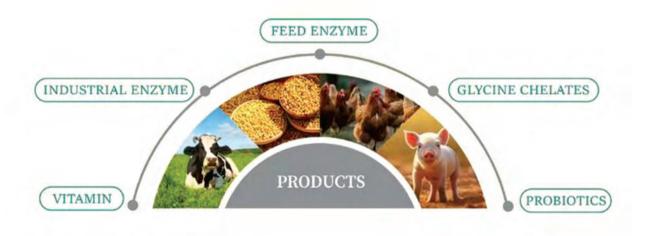
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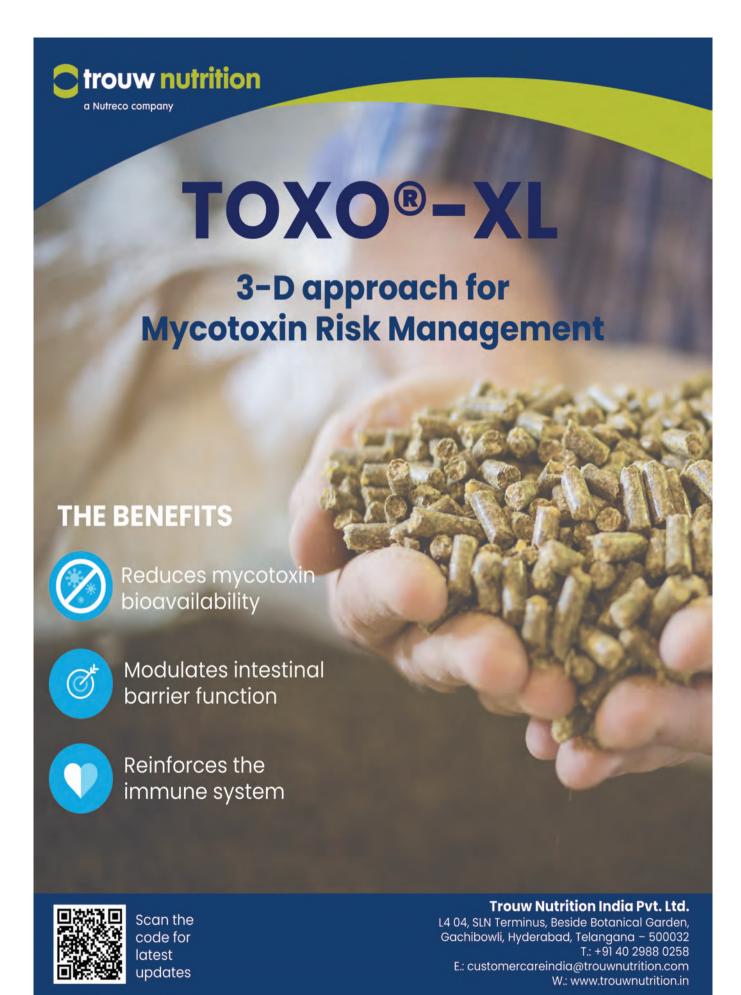




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India Shifted from Corn Export to Poultry Meat Production Growth



transformation Tndia's from a major corn exporter to a net importer has significantly impacted global markets, driven by the country's burgeoning poultry industry and its ambitious bioethanol production goals. Historically, India

was one of Asia's top corn exporters, shipping between 2 to 4 million metric tonnes annually to countries like Vietnam, Bangladesh, Nepal, and Malaysia. However, recent shifts in domestic policy and market demands have altered this landscape dramatically. The Indian government's push to increase ethanol production from corn is a key factor in this transformation. In January 2024, the government raised the procurement price of ethanol made from corn, encouraging a shift away from sugarcane-based ethanol. This move aims to reduce carbon emissions and ensure a steady supply of sugar in the domestic market. As a result, ethanol distilleries now consume a significant portion of India's corn production, which totals around 36 million tonnes annually. This shift has created a substantial shortfall in the domestic corn supply, estimated at 5 million tonnes. To meet the growing demand for ethanol, India is expected to import a record 1 million tonnes of corn in 2024, primarily from Myanmar and Ukraine. This marks a significant change, as India had not been a net importer of corn for decades.

The impact on the poultry industry has been profound

Poultry producers, who traditionally consumed the bulk of India's corn, are now facing skyrocketing feed costs as local corn prices surge above global levels. Feed accounts for approximately 75% of production costs in the poultry sector, and the rising cost of corn has put producers in a difficult position. The All India Poultry Breeders Association has called for the government to lift duties on corn imports and remove the ban on genetically modified (GM) corn to alleviate these pressures. The competition between ethanol distilleries and the poultry industry for corn supplies has kept prices high, further straining the poultry sector. The farm gate price of broiler chickens has not kept pace with the rising production costs, leading to unsustainable losses for producers.

India's transition to a net corn importer has also affected global supply chains. Traditional buyers of Indian corn are now turning to South America and the United States for their supplies. This shift is likely to support global corn prices, which are currently trading near four-year lows.In conclusion, India's focus on increasing bioethanol production and the growth of its poultry industry have reshaped the country's role in the global corn market. While these changes support India's environmental goals and domestic sugar supply, they have also created challenges for local poultry producers and altered global supply dynamics.

ECOLEX is hosting a 1-Day International Technical Forum in Bangkok on 11th



Ecolex Animal Nutrition is hosting a 1-Day International Technical Forum in Bangkok on 11th March which coincides with its 20th Anniversary and also at the eve of VIV ASIA 2025. This event Innovative Nutrition Forum will brings together independent world-renowned specialists to explore cutting-edge nutritional interventions across diverse animal sectors, including nonruminants (poultry and swine), ruminants, aquaculture, pet nutrition, and the emerging field of insect protein. Attendees will benefit from targeted species-specific breakout sessions, designed to maximize knowledge transfer and information exchange.

Additionally, Ecolex is offering complimentary logistics to and from the VIV Asia Expo for all our customers and business partners staying at the hotel. ECOLEX Animal Nutrition is also going to officially launch the new brand image for Ecolex this year. This Innovative Nutrition forum is open to preregister for all who are interested to attend it.

Established in 2005, Ecolex Animal Nutrition is a dedicated nutritional solutions providers with RSPO grade products, that are certified GMO free. Its manufacturing capabilities use innovative designs that are fully automated to consume less energy during production to ensure high manufacturing efficiency in our factory. Ecolex Animal Nutrition is dedicated in ensuring the highest safety standards of all its product manufacturing processes to the food supply chain which implements strict regulatory controls on all undesirable substances. 🛕



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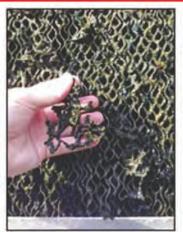
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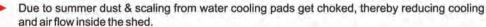


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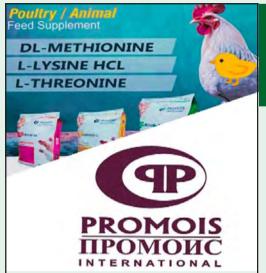
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Then raising chicks, providing the right nutrition is essential to ensure their healthy growth, development, and overall well-being. While highquality chick feed is the foundation of their diet, feed supplements can play a crucial role in enhancing their health, boosting their immune system, and supporting optimal growth. With so many options available on the market, it can be challenging to determine which supplements are best for your chicks. Here's a guide to help you make an informed decision when choosing the best feed supplements for your young poultry.

lways consult with a poultry nutritionist or veterinarian to make sure you're providing the right supplements for your flock's unique needs. With the right combination of supplements and high-quality feed, you can support your chicks' growth, health, and productivity for years to come.

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Chicks require different nutrients at various stages of growth. At the first few weeks, they need a protein-rich diet to support muscle and feather development.

As they grow, their dietary needs will shift. Choose supplements that cater to their specific age and developmental stage. For example, chick starters are formulated for the early stages, while grower supplements are ideal for chicks that are a bit older.

Chick Starter Feed: Contains high protein (20-24%) and essential vitamins and minerals needed during the first 6 weeks of life. Grower Supplements: Ideal after 6 weeks, these helps transition the chicks to a more adult-like diet and contain a balanced ratio of protein and energy.

Protein Supplements

Protein is a key nutrient in a chick's diet. It supports rapid

growth, feather development, and overall health. If you feel that your chick's feed might be lacking in protein, consider adding a protein supplement. Some popular protein boosters include:

Soybean Meal: A high-protein, plant-based supplement.

Fish Meal: Rich in animal protein and beneficial omega-3 fatty acids. If you're raising chicks for egg production, additional protein will be necessary to support their reproductive health once they mature. A well-balanced chick feed should include essential vitamins and minerals, but supplements can help if there are any gaps. Some key vitamins and minerals to look for include:

Vitamin A: Important for vision, growth, and immune function.

Vitamin D3: Crucial for calcium absorption, which supports strong bones and eggshell production.

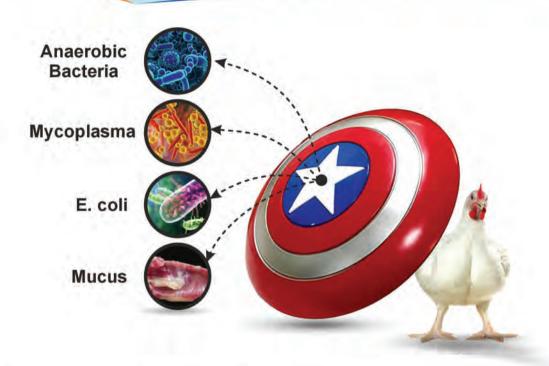
Calcium: Necessary for bone development, especially as your chicks grow and transition into layers.

Phosphorus: Works with calcium for bone strength and overall skeletal health. You can choose PROMOIS supplements specifically designed to boost vitamin and mineral levels if you notice any deficiencies in your chicks.



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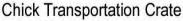
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Performance Enhancing Concept for Commercial Poultry Technical Session Organized by Venky's India Limited











Venky's India Limited organized technical seminars in second week of January at Hotel Noor Mahal, Karnal (6th Jan), Hotel Days, Panipat (7th Jan), Hotel Babylon Capital Raipur (8th Jan), and Hotel Radisson Blu, Bangalore (9th Jan). Mr Koastas Syriopoulos, an expert on animal nutrition and feed technologists from Switzerland was the guest speaker. The theme of the seminars was "Performance Enhancing Concept for Commercial Poultry".

Mr Koastas began the presentation with a product introduction. He discussed the composition and the significance of each ingredient. He described how aromatic essential oils and pungent chemicals in NATEXT aid nutrient digestion and absorption. Saponins in NATEXT assist in minimizing ammonia release and emissions. Additionally, it boosts immunity. NATEXT also possesses antioxidant properties.

Mr Koastas then demonstrated several efficacy trials on various layer and broiler birds undertaken in other countries and in India as well. NATEXT plays key role in improving digestion and assimilation of key nutrients including calcium and phosphorus. Every study demonstrated greater performance and lower ammonia reduction with improved FCR. Return on investment was also provided in an Indian trial, demonstrating the benefits of NATEXT use.

Later on, Dr. Raetus, who has a PhD in biochemistry, detailed the product manufacturing process. He explained the iso-fusion technology and its importance in making effective delivery of phytogenic compounds.

Following his presentation, Dr. Vishwas Sagajkar (Deputy General Manager sales and marketing) and Dr. N. Baburaj (Deputy General Manager sales and marketing) translated and explained the concepts in their respective states' native languages, Hindi and Kannada.

All the seminars were attended by field veterinarians, broiler breeders, broiler integrators, and layer farmers. An introductory speech about the concept and speaker was given by Dr. VishwasSagajkar at Raipur while in Bangalore Dr. N. Baburaj gave given introduction. Mr. H.S. Padda (Deputy General manager

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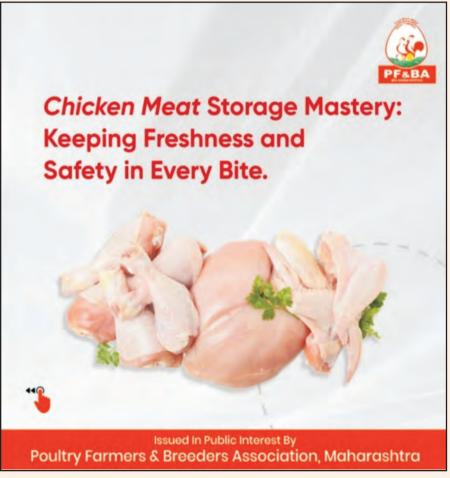


Marketing North zone) has given opening remarks for Karnal and Panipat seminars. Arrangements were by the following people Mr Shashi Bhushan Kumar (Assistant General Manager, North zone); Mr Sandeep Saini (Senior Regional Sales Manager); Mr Yash Munjal; Mr Banwala (at Karnal), Mr Shashi Bhushan Kumar; Mr Kailash; Mr Manoj Kadyan (Panipat), Abhishek Gupte (Zonal Manager Sales Central Zone) and Ashutosh Singh (Raipur) while Mr Babu (Regional Sales manager); Mr R.D. Lokesh (Zonal Manager) and Mr Rajesh Pai (Regional Sales Manager) at Bangalore.

In the end, Dr Vishwas Sagajkar thanked everyone for attending the seminar and concluded with a positive note. The seminars were guided by Dr. Deepak Khosla, General Manager Sales and Marketing, Venky's India Limited.

The seminar received a massive response from poultry farmers, veterinarians, and consultants. In all the seminars queries from the participants were discussed in detail. Farmers and veterinarians were happy with the new concept and approach of phytogenic in improving performance of poultry.





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The International Production & Processing Expo (IPPE) 2025 collaboration of three trade shows, International Feed Expo International Poultry Expo and International Meat Expo, organised at Georgia World Congress Center, Atlanta, USA from January 28-30, 2025 was an another remarkable edition, drawing attendees from more than 130 countries. IPPE 2025 expo reaffirmed its position as world's largest annual poultry & egg, meat & animal food industry event. IPPE 2025 hosted more than 1,300 exhibitors across 5,98,000 square feet of exhibit space, showcasing the latest technological advancements, services, and products focused on poultry. International participation was significant, with strong representation from Latin America, Canada, Europe and South East Asia and South Asia. Attendees explored



cutting-edge poultry processing equipment, automated systems, health and nutrition products and advanced feed solutions, positioning the event as the premier destination for poultry innovations.

IPPE-2025 Expo fostered vital business collaborations, contract signing and strategic alliances, contributing to long-term industry growth. Attendees benefited from

more than 80 learning sessions, covering key topics such as poultry health, sustainability, artificial intelligence, plant operations and industry innovations.

USSEC Showcased U.S. Sov's Role in Global Feed and Food Solutions. The U.S. Soybean Export Council (USSEC) played an important role at IPPE 2025, underscoring its extensive global reach and commitment to advancing animal nutrition through U.S. soy. Operating in over 80 countries across key regions, including Northeast Asia, Europe, South Asia, Sub-Saharan Africa, Southeast Asia, the Middle East, and North America, USSEC showcased its leadership in promoting sustainable soy-based solutions for the poultry, dairy and aquaculture sectors. At its dedicated booth, USSEC Board Members and USSEC Staff had been engaged









actively with the trade visitors, offering insights into the latest industry trends and demonstrating how U.S. Soy contributes to improving global livestock feed systems. The team emphasized the vital role of soy as a major component of livestock feed, supplying essential protein and nutrients that enhance animal health and productivity.

Through strategic dialogues and collaborative sessions, USSEC highlighted its initiatives aimed at fostering international trade, strengthening value chains, and supporting food security. The organization's experts shared real-world success stories from various regions, illustrating how partnerships with industry players drive advancements in feed technology, animal nutrition and sustainability. The Soy Excellence Center (SEC), an initiative by USSEC, which offers basic certificate courses in Poultry, Feed Milling, Aquaculture, and Soy Food & Beverage to enhance industry expertise and sustainability was also highlighted at USSEC booth. Interactions at the USSEC booth provided attendees with valuable information on U.S. soy's applications in modern feed formulations. By connecting global stakeholders, USSEC reaffirmed its commitment to creating a resilient and sustainable global food supply chain powered by U.S. Soy. Jim Sutter, CEO, USSEC, reinforced the industry's dedication to innovation and sustainability, emphasizing the role of U.S. Soy in meeting global food and feed demands.

Indian Equipment Manufacturing Companies Shine at IPPE 2025 Indian poultry equipment manufacturers have demonstrated remarkable potential in the global market, driven by their commitment to quality and cost-effectiveness - A few Leading Indian Equipment manufacturers, Gartech Equipments Pvt. Ltd and Dhumal Industries participated in IPPE 2025 Expo showcased their cutting-edge innovations tailored for modern poultry operations. The Indian Poultry Equipment Manufacturers robust engineering solutions and competitive pricing have positioned them as trusted partners for international poultry producers. The growing presence of Indian equipment manufacturers at prominent global exhibitions like IPPE Expo, USA and in other European and South American Countries, underscores their capability to deliver world-class products, strengthening India's reputation in the global poultry industry.

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Indian Herbal and Pharmaceutical Companies Make an Impact at IPPE 2025 Indian pharmaceutical companies specializing in herbal and enzyme-based solutions are making significant strides in the international market - Some of major Indian Companies; Nurture Technology Pvt. Ltd., Lumis Biotech, Natural Remedies Private Limited, PVS Group of Companies, SK BiobizPvt. Ltd, Amorevet, Camlin Fine Sciences (CFS), Vinayak Ingredients Pvt. Ltd. participated at IPPE-2025. Through their booth, these Indian companies actively highlighted their advancements in natural feed additives, Herbal and poultry health products to delegates visiting IPPE Expo from around the Globe.

By addressing the rising demand for sustainable and safe animal nutrition, these companies are successfully tapping into global opportunities. Their efforts to combine traditional herbal knowledge with modern scientific innovations have bolstered India's role as a key exporter in the animal health and feed supplement sector in International markets.

Technical presentations explored innovative solutions such as machine learning applications in chicken performance data and technology-driven customer support. IPPE 2025 provided an excellent platform for fostering industry collaboration and sustainable poultry breeding solutions. Highlighted educational programs included: International Poultry Scientific Forum, presentations on leading research on avian health, processing and nutrition, providing actionable insights for advancing poultry production.

Looking ahead with overwhelming positive feedback from participants and exhibitors, IPPE continues to be a vital platform for business growth, industry collaboration, and innovation. Organized by the U.S. Poultry & Egg Association, the American Feed Industry Association and the North American Meat Institute, IPPE sets new benchmarks in industry advancement. As the poultry and animal food sectors evolve, IPPE remains at the forefront of shaping the future, driving technological progress, and strengthening global partnerships. The industry looks forward to another successful edition in Atlanta at the Georgia World Congress Center for the IPPE-2026, January 27 – 29, 2026.













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KAI's advanced features enable farmers to track key performance indicators (KPIs) such as egg weight, mortality, and feed conversion. It also alerts users to potential risks, ensuring efficient problem-solving and productivity enhancement. Seamless integration with office systems eliminates manual data entry, streamlining processes and reducing errors.

Designed for Android and iOS, KAI fosters collaboration by allowing data sharing among staff and suppliers. The app's Al-driven functionality adapts to user needs, making it an indispensable companion for modern poultry farming. As H&N's Xabier Arbe asserts, "KAI ensures time savings, failure prevention, and efficient decision-making.



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Venkateshwara B V Bio-Corp Private Limited organised Farmers meetings on "Composite view on Commercial Layer & Broiler Breeder Nutrition"



Venkateshwara B V Bio-Corp Pvt Ltd organized Technical meetings for Layer andBroiler BreederFarmers.The first meeting, titled "Composite View on Layer

Nutrition," was held on Thursday, December 26th, 2024, at Hotel JP Cardial in Bangalore. The second meeting, focusing on "Composite View on Broiler Breeder Nutrition," was held on Friday, December 27th, 2024, at The Elite Radisson Individuals in Narasapura, Kolar. The technical meetingswere attended by Layer and Broiler Breeder farmers of the respective areas. Mr. M Babu, Senior Regional Sales Manager, welcomed the Speaker, guests and all attendees.

In the first meeting Dr. Sunil Nadgauda, Deputy General Manager of Nutritional Services at Venkateshwara B V Bio-Corp Pvt. Ltd. shared his expert insights on various critical aspects of layer nutrition, covering topics such as the genetic potential of BV300, the importance of early chick nutrition and gut health. He discussed about the significance of early laying nutrition for maximizing peak production and ensuring consistency. He also stressed the importance of body weight monitoring during the rearing period and its direct impact on laying productivity. In addition, Dr. Nadgauda discussed the crucial role of gut health and factors influencing the birds' gut microbiota, highlighting its impact on overall productivity. He discussed aboutEGGXTRA 5% Layer Composite Premix as an innovative and simple solution to simplify the feed manufacturing process, ensuring accuracy in additive proportions and boosting productivity. The benefits of using this premix to enhance egg production efficiency with optimization of cost were also elaborated.







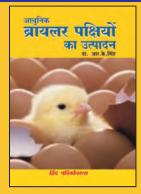
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In the second meeting Dr. Sunil Nadgauda, Deputy General Manager - Nutritional Services, delivered an in-depth presentation on the importance of effective breeder nutrition and discussed several key topics essential for enhancing productivity and efficiency in Broiler Breeder farming. Dr. Nadgauda's presentation covered the importance of achieving uniformity in broiler breeders and the critical role of good flock management. He also delved into the physiological stages of development in breeders. Emphasizing feed and body weight management during the growing and laying phases in female breeders, he provided practical strategies to optimize production. Further more, Dr. Nadgauda shared various strategies to control feed costs and simplify the feed manufacturing process, ensuring accuracy and minimizing errors. He discussed about the VCOMIX 5% Breeder Composite Premix as an innovative solution that provides additives in the required proportions, helping to boost productivity and improve overall feed efficiency. The benefits of using this premix were also discussed in detail. The event served as a platform for knowledge sharing and fostering a deeper understanding of layer and broiler breeder nutrition, equipping poultry farmers with the tools and insights needed to improve their operations.

Throughout the both sessions, Dr. Nadgauda addressed numerous queries from the attendees, offering expert advice on poultry nutrition and management, further enhancing the value of the seminar for the farmers. Towards the end of session, Dr. N Baburaj, Deputy General Manager discussed about modern broiler growth performance parameters and advised to follow the biosecurity at all stages to improve productivity. As an important tool in biosecurity, vaccination is playing crucial role in poultry production. He introduced VENGEM - an inactivated vaccine against Low Pathogenic Avian Influenza. He also discussed about the importance of VENGEM vaccine to prevent financial losses in poultry production. Dr. Priti Mijgar, Product Executive - Marketingalso attended both the meetings and discussed about 5% Composite Premix with farmers and addressed their nutritional queries. The event concluded with a vote of thanks from Mr. RD Lokesh, Zonal Manager at Venkateshwara B V Bio-Corp Pvt. Ltd., who expressed appreciation to all attendees and contributors. The local Venworld Team successfully organized this informative and engaging technical seminar 🔒

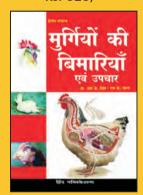
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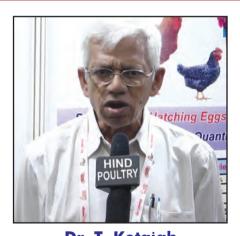




Oultry birds have a short L generation interval and their productivity and liveability have improved significantly in recent years. As poultry production grows worldwide, chicken and eggs are becoming key protein sources at a lower cost than other options. However, some consumers worry that harmful substances might be used in poultry farming, posing health risks.

Poultry production in India began to take shape as an industry commercial-scale through operations after 1970. Grandparent stocks were imported from Western countries, bringing with them advanced poultry production technologies, including housing, feed and disease management.

Poultry farming in India was initiated by agricultural farmers,



Dr. T. Kotaiah Managing Director, Indbro Research & Breeding Farms Pvt Ltd Hyderabad, India

who constructed poultry sheds on their farmland and reared chicks purchased from hatcheries. The hatcheries supported establishment of new farms and the expansion of existing ones.

With a strong demand for eggs and chicken, farmers profited from low-cost infrastructure. Birds were reared on deep litter, which was cleaned annually. Water was supplied in open troughs and feed was provided in ground mash form. The inclusion of fishmeal and meatmeal enhanced productivity.

At the time, few vaccines were available to protect against viral diseases. The general bacterial load on farms was high, with infections frequently erupting. Western technologists recommended antibiotics for both treatment and regular feeding to reduce bacterial load, which was kept gut bacteria levels low and was found to improve productivity.

Before 2000, there was little discussion about "transmissible antimicrobial resistance" from chicken and eggs to humans. Antibiotics were routinely used as growth promoters. Farmers eventually realised that medication were high and productivity declined once flocks required treatment. producers began adopting disease prevention methods to reduce medication costs. Some key prevention strategies that were adopted were:

Watering systems: Open water basins and nipples were replaced with automatic drinkers. Water sourced from deep wells was stored in overhead tanks and delivered directly to birds, avoiding contamination by human contact or bird excreta.

Feed processing: On-farm feed mixing was replaced by steaming and pelleting feed in large feed mills, ensuring bacteria were destroyed before the feed left the factory.

Feed ingredients: Animalbased feed ingredients like fishmeal and meatmeal were eliminated from poultry feed.

Vaccination and biosecurity: Vaccination and biosecurity were prioritised to prevent viral infections, as bacteria often caused secondary infections following viral outbreaks. Cage farming for layers kept birds away from their excreta, ensuring cleaner egg production

During the 1980s, egg consumption rose from single digits to 50 per capita and broiler farming expanded significantly. By 2010, broiler chick producers began rearing their own chicks both on their farms and through contract farming. Despite feed prices tripling, the prices of eggs and chicken did not increase proportionally.

Consequently, transmissible antimicrobial resistance became a

critical issue and poultry production could no longer rely on antibiotics or expensive medication. Preventing diseases became the industry's primary focus.

The poultry industry is now moving towards a "No Antibiotics Ever" model, with a greater emphasis on biosecurity measures across structures and management protocols.

Poultry farming has seen significant advancements. particularly in the following areas:

Efficient seed material : Genetic selection has improved seed material, increasing hen egg production from 260 to 325 eggs annually. In broilers, genetic advancements have reduced the time needed to reach the same weight, saving nearly a day each vear.

Disease-free breeding stock: Chicks are sourced from tested, disease-free breeding stocks maintained under strict biosecurity, preventing the transmission of diseases like Mycoplasma and Salmonella at the breeding stock level.

Clean hatcheries: Hatcheries now operate under stringent cleanliness standards, similar to those of maternity wards, ensuring a healthy start for chicks.

All-In-All-Out rearing system: This system introduces a gap between batches, allowing residual bacterial load to be naturally eliminated before new birds are introduced.

Vaccination improvements: Effective, non-reactive viral vaccines have been developed to build bird immunity without causing feverish reactions. Killed

vaccines for parent birds now offer long-term, high-level protection while passing maternal antibodies to their chicks.

Airborne disease **prevention:** Farms are strategically located away from existing operations to minimise the spread of airborne diseases.

Dedicated personnel: Farms employ dedicated workers who wear freshly washed uniforms and footwear daily, ensuring better hygiene.

Farm-specific equipment: Vehicles and equipment are exclusive to each farm and not shared, reducing crosscontamination risks.

Feed safety: Large farms, integrators and feed factories now conduct online testing of feed ingredients before unloading. Mechanised feed production and dispensing further minimise disease spread caused by human contact or the reuse of packaging materials.

These measures helped transform poultry farming into a more efficient, biosecure and sustainable industry. Poultry production in the 2020s has improved and become more organised. Disease management focuses on prevention through clean stocks, breeder maternal vaccinations, clean water and sterilised feed, using a system known as "All in, all out".

Mechanisation and improved disease awareness have eliminated the use of antimicrobial drugs in production. Concerns about drugresistant bacteria originating from poultry products are now a thing of the past, allowing consumers to safely enjoy low-cost, high-quality protein produced by the poultry industry. 🛕





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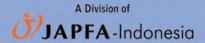






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