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HIND POULTRY

Vol. XXIV

July 2025

No. 1



SPACE
2025

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**Didier Lucas has
been Elected as
Chairman of
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06



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Addresses the challenges
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09




Didier Lucas has been Elected as Chairman of SPACE

Fervent farming advocate, Didier Lucas has been elected as Chairman of SPACE, succeeding to Marcel Denieul after over 10 years presiding the International Farming Exhibition in Rennes.




Didier Lucas, age 54, farmer in pig production in Saint-Alban (Côtes d'Armor), has been elected Chairman of SPACE. Committed in unionism since 2004, he presided over the FDSEA 22 from 2010 to 2019. Currently Chairman of the Chamber of Agriculture of Côtes d'Armor and Vice-President of the Chamber of Agriculture of

Britanny, he is acknowledged for his relentless commitment to agriculture and farming. Since 2019, he has been managing the Espace for the Future, a forward-looking SPACE project dedicated to innovation and anticipating farming's evolution. He succeeds Marcel Denieul, SPACE Chairman since 2014, in a continuous effort to accompany professionals through the profound changes in their sector. "I weigh the responsibility that falls to me, to walk in the footsteps of my predecessors who established this landmark event over 40 years ago in the heart of our grand farming region in the Grand Ouest. SPACE has become to crown jewel of innovation at the service of today and tomorrow's farming. The entire world converges and seek fitting and inspiring solutions for all sectors. Facing societal, environmental and climate challenges, but also for food and agriculture's pivotal role in each and every country, I wish to SPACE to remain a global reference in solutions fitted to the needs of farmers and farming companies". 

Indian Poultry Journalists Association Announces Seminar in Hyderabad

The Indian Poultry Journalists Association (IPJA), under the leadership of President M.K. Vyas, is delighted to announce its upcoming technical seminar on poultry, scheduled for 14th August 2025. The event will take place at the Seminar Hall of Telangana Poultry Federation Office in Hyderabad, Pedamparpet, Hyderabad; focusing on the theme "Challenges and Opportunities in Poultry in Telangana." Following the resounding success of the recent Tanuku Technical Seminar, held on June 10th attended by more than 350 farmers across the region, this event aims to bring together poultry industry stakeholders, experts, and enthusiasts to discuss critical issues and explore growth opportunities in Telangana's poultry sector. The seminar will address key challenges such as rising feed costs, disease management, and market fluctuations, while highlighting innovative practices and emerging opportunities to strengthen the industry. The IPJA invites poultry farmers, veterinarians, researchers, and policymakers to participate in this insightful event. The seminar will feature expert talks, networking sessions to foster collaboration and knowledge-sharing.

President M.K. Vyas expressed enthusiasm about the seminar, stating, "This platform will empower stakeholders to address challenges and seize opportunities for sustainable growth in Telangana's poultry industry." For more details, contact the IPJA office or e-mail us on ipja.president@gmail.com. Join us on 14th August 2025 to shape the future of poultry in Telangana. 

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Renowned Professor Shares Ground breaking Insights on Infectious Coryza in Northern India

A three-day technical seminar series focusing on the latest advancements in the understanding and management of *Infectious Coryza* was successfully conducted from April 16 to 18, 2025, across key locations in northern India—Kaithal (Haryana), Yamuna Nagar, and Mohali (Punjab).

The sessions were led by Prof. Robert R. Bragg, a globally recognized authority from the University of the Free State, Bloemfontein, South Africa. Prof. Bragg is known for his extensive research and contributions to the study of avian diseases, especially Infectious Coryza. A key highlight of his presentation was the **VH COR4** vaccine, featuring the power of C3. He explained that **VH COR4** is specifically designed to target the **prevalent strain of *Avibacterium paragallinarum*** circulating in India, offering region-specific protection and improved control of the disease.

April 16 - Kaithal, Haryana

The technical session on April 16 was organized in Kaithal and focused on the latest insights into the prevention and control of Infectious Coryza. The program commenced with a welcome address by Mr. Harjit Padda, Deputy General Manager (DGM), who introduced the distinguished guest. A parallel technical talk on “Vengem” was delivered by Dr. Sambhaji Nimbalkar (AGM), followed by an engaging Q&A. The session concluded with a vote of thanks by Mr. Shashi Bhushan, (AGM).

April 17 - Yamuna Nagar

The second day of the series was hosted in Yamuna Nagar, where Prof. Bragg delivered an in-depth lecture on the **recent global updates and evolving challenges in Infectious Coryza**. His presentation covered pathogen variations, diagnostic advancements, and vaccine strategies. Once again, Mr. Harjit Padda introduced the speaker, setting the stage for an






enlightening session. The event concluded with a vote of thanks by Mr. Raju Tanna (AGM), appreciating Prof. Bragg's valuable insights and the attendees' participation.

April 18 - Discussion with Lab Team

On the final day of the visit, a Lab team meeting was held at the Venkateshwara office in Mohali, where Mr. Harjit Padda welcomed

and introduced the guest speaker, Prof. Bragg. The session featured an in-depth discussion between Prof. Bragg, Dr SP Singh (GM), Dr. Rakesh Gupta (GM), Dr. Rohilla (DGM), Dr. Danveer Singh (DGM), Dr. Sambhaji Nimbalkar (AGM) and the technical team, focusing on field-level challenges and strategies for effective Coryza management in Indian poultry farms. The meeting concluded with a vote of thanks by Mr. Raju Tanna

(AGM), who acknowledged Prof. Bragg's valuable contributions and thanked all attendees for their active participation

This knowledge-sharing initiative reflects the ongoing commitment of the organizing teams to bring global expertise to the doorstep of Indian poultry professionals and ensure science-backed disease control at the grassroots level. 





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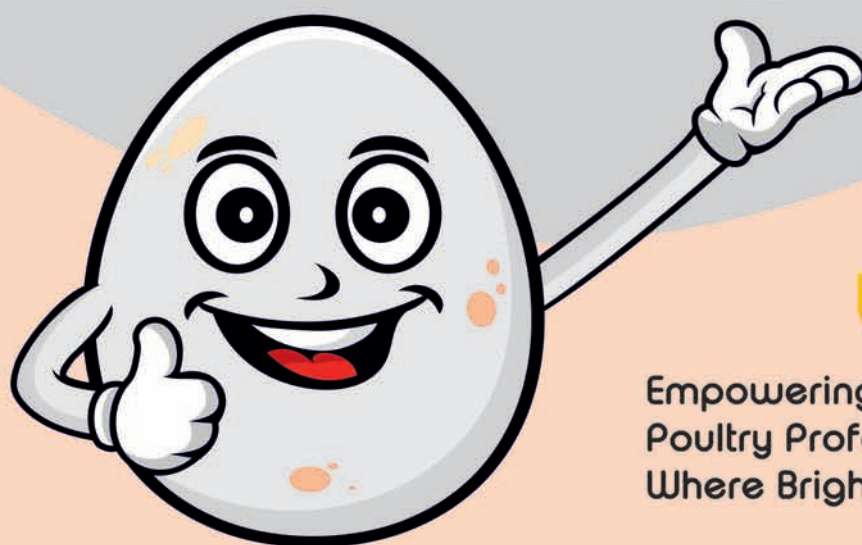
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IPEMA & Poultry India Showcases Strong Leadership at IPJA Technical Seminar in Tanuku

Addressing Critical Challenges and Advancing Opportunities in Andhra Pradesh's Poultry Sector

The Indian Poultry Equipment Manufacturers Association (IPEMA)/Poultry India, made a commanding presence as a key sponsor and knowledge partner at the impactful Technical Seminar organized by the Indian Poultry Journalists Association (IPJA) in Tanuku. Held at NECC Kalyan Mandapam, this day-long seminar, themed *"Challenges & Opportunities in Poultry in Andhra Pradesh"*, brought together over 350 poultry farmers, industry leaders, researchers, and policymakers from across the state. Co-organized by the **National Egg Coordination Committee (NECC)** and **Andhra Pradesh Poultry Federation (APPF)**, the seminar was designed to identify and address pressing concerns of the regional poultry sector, offering concrete resolutions to bolster farmer livelihoods and industry sustainability.

IPEMA/Poultry India Leadership at the Forefront

Delivering the keynote address, Mr. Uday Singh Bayas, President of IPEMA/Poultry India, emphasized the vital role of industry collaboration and journalism in enabling long-term transformation. He showcased the growth trajectory of Poultry India



Expo, now recognized as South Asia's Largest Poultry Exhibition, and extended an open invitation to all stakeholders for the 17th edition scheduled from November 26-28, 2025 in Hyderabad. A special video was played, capturing highlights from the 2024 edition, which drew international acclaim.

Mr. P. Chakradhar Rao, Ex-President of IPEMA, addressed the farmers, encouraging them to maintain egg quality to meet both domestic and export standards. He called for NECC to implement quality certification to help eggs fetch premium pricing and stressed the importance of farmer participation in global events like Poultry India Expo.

Resolutions & Policy Recommendations

In a significant move, the seminar adopted the following resolutions aimed at sectoral upliftment:

- Revival of the Andhra Pradesh Poultry Development Corporation by the State Government.
- Creation of a National Egg Board by the Central Government to address farmer issues and stabilize prices.



- Advocacy for the import of GM maize and promotion of egg exports from Tanuku.
- Recommendations for poultry-focused skill development programs, including polytechnic and B.Sc. courses modeled after institutions in Pune, Coimbatore, and Warangal.
- Formation of a multi-state farmer committee to explore a single-window egg marketing system and direct maize import mechanisms.

Technical Sessions: Knowledge Meets Innovation

The seminar offered a rich lineup of presentations, further strengthening its educational impact. Experts addressed a variety of critical themes:



- **Dr. K. Somi Reddy** (Srinivasa Hatcheries): Challenges like maize diversion for ethanol, labor shortages, biosecurity issues, and the importance of automation and advanced technologies in poultry farms.
- **Dr. Parag Mahadik**: Enzyme applications in poultry nutrition.
- **Dr. Dhirendra Kumar**: Bird flu prevention strategies.

- **Dr. Pavan Kumar**: Innovative premixing techniques in feed (MixiBlend).
- **Dr. Srinivasa Rao Rama Raju**: Gut health management.
- **Mr. Ramesh Yedlapati**: Black Soldier Larvae benefits in litter management and composting.
- **Dr. K. Balaswamy**: Debunking myths about cholesterol and egg nutrition.

Farmer Voices & Sectoral Concerns

Mr. K.V. Subba Rao, President of APPF, and Mr. Padala Subba Reddy, APPF Secretary, addressed the challenges of underselling eggs, improper disposal of dead birds, and disunity among farmers. They emphasized ethical practices and collective pricing strategy





adherence, invoking the late Dr. B.V. Rao's guiding principle: "My egg, my price, my life." Mr. M.K. Vyas, President of IPJA, and Mr. M.N. Rao, Vice President, reaffirmed IPJA's commitment to knowledge dissemination and farmer empowerment, including the launch of a new YouTube channel dedicated to poultry education.

Recognitions & Tributes

The seminar honored the memories of Late Smt. Uttaradevi, Padmashree Dr. B.V. Rao, and Mr. Vijay Singh Bayas (Founding member of IPEMA). Mementos were presented to key sponsors, including Poultry India, ABTL, Vesper, Venworld, RR Animal Health Care, Super Enviro, NECPC, Swiss Chemie, Amanthro Agro, and Adelbert, by Mr. NCH Venkatraju, President of the Godavari District Poultry Farmers Welfare Association. The vote of thanks was proposed by Mr. Shashank Purohit, Joint Secretary, IPJA, marking the successful conclusion of this landmark event.

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As South Asia's premier poultry event, the **17th Poultry India Expo 2025** promises unmatched opportunities for networking, innovation, and business growth. Whether you're a farmer, entrepreneur, policymaker, or researcher, this is your platform to shape the future of Indian poultry.

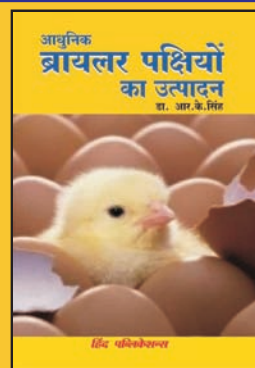
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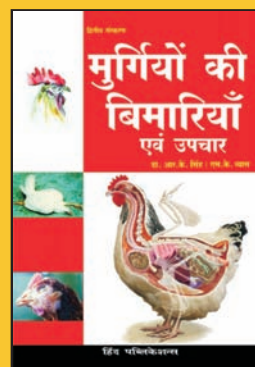
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Biosecurity: not just a best Practice, but a Necessity for Animal Health and Reduced Antibiotic Reliance

Edward Manchester,

Global Commercial Director of Ecolex Animal Nutrition



Edward Manchester, Global Commercial Director of Ecolex Animal Nutrition, delivered a compelling presentation on “Good Husbandry Practices to Reduce AMR” at the recent “From Policies to Practice – Tackling Antimicrobial Resistance Together” Forum, held during Livestock Philippines 2025.

Addressing delegates from across the livestock and poultry value chains, Manchester underscored that antimicrobial resistance (AMR) is a critical and growing global crisis that requires urgent action. “Now is the time to act,” he emphasized, posing the pivotal question: “So, what can we do?” He advocated for a coordinated, multisectoral One Health approach—integrating animal, human, and environmental health—as the most effective way forward in the fight against AMR.

Biosecurity: A Non-Negotiable Foundation

In this first of a four-part series, he’ll detail how robust biosecurity measures have been demonstrated to protect animal health and significantly reduce the need for antimicrobials. Manchester asserted that strong biosecurity is essential for preventing the introduction and spread of disease on farms, thereby minimizing the need for antimicrobial interventions. “Biosecurity is not just an option—it’s a non-negotiable foundation for sustainable livestock and poultry production,” he said. Best practices include:

Designated Biosecurity Zones- establishing clear biosecurity zones and checkpoints with visible signage helps control access and movement on the property. This ensures that only authorized personnel and vehicles enter

sensitive areas, further reducing the risk of disease introduction.

Farm Access - restrict access to strictly only necessary visitors, such as emergency repairs and veterinarians. All other visitors, like sales people, should never enter the production site, and be restricted to the office in a low-risk zone, or even better met off-site. Brief all necessary visitors they understand biosecurity measures and are always accompanied by a staff member to ensure they comply with the necessary precautions.

Strictly enforce sanitation protocols for vehicles entering the farm, including disinfection stations to clean tires and equipment. Ideally, vehicles such as feed trucks should not enter the farm to minimize the risk of introducing diseases. Instead, feed should be delivered outside the perimeter fence to maintain biosecurity.

Access control also includes using full perimeter fencing, restricted entry points with lockable gates, and clear signage indicating restricted areas. The perimeter fence should be buried 18 cm into the ground or at least be in hard contact with the ground to prevent animals burrowing under the fence. Walked the perimeter fence at least weekly. Keep all weeds away from the bottom of the fence, so that any holes or damage are easily observed.

All-In, All-Out Management- implementing an all-in, all-out system for animal groups prevents the mixing of different age groups or cohorts. This approach limits disease transmission and simplifies cleaning and disinfection between batches.

Clean Shower Facilities – shower facilities act as a physical barrier between the “dirty” (outside) and “clean” (inside farm) zones. Staff and visitors must pass through the shower, ensuring that contaminants from outside do not enter the animal environment. Shower areas should have lockers for outside clothes on the dirty side, and dedicated farm-provided clean clothing on the clean side, ensuring no cross-contamination.

The shower area should be maintained in a clean condition at all times, with ample hot water available, enhancing staff compliance with hygiene protocols.

Well-designed shower facilities enforce one-way movement, so individuals cannot bypass the cleaning process, further minimizing disease risk.

Separate Tools And Equipment - use dedicated tools for each unit to prevent cross-contamination. Using different colored equipment for each shed makes it easy to identify which tools belong to which shed, reducing the risk of cross-contamination between different areas.

Testing And Quarantine - isolate new animals before introducing them to the main herd/flock. Avoid introducing animals from outside farms without proper testing. For semen, the health status of the source stud should be known and the information regularly updated.

Disease Vectors – rodents, flies, wildlife, and birds are not only common vectors for diseases and resistant bacteria, but can also cause them to spread, making their exclusion a top priority. Regularly inspect and treat the farm premises for pests, using safe and approved methods to avoid harming livestock and poultry, or the environment.

Hygiene Practices - provide facilities for personal hygiene, such as handwashing, clean showers with hot water, and changing areas stocked with clean protective clothing before entering production areas. Personnel should shower and change before entering production areas. No farm staff should have any contact with livestock or poultry outside of their employment. This should be included in their employment contract.

Training– although comprehensive and regular training program is essential for empowering every team member involved in applying biosecurity measures, it is sometimes overlooked. “Training ensures that staff are not only aware of biosecurity protocols, but are also

confident and competent in executing them,” said Manchester. Train staff to recognize signs of disease, monitor feed consumption (a decrease in feed consumption often precedes visible symptoms of disease), and observe behavior changes.

To further strengthen biosecurity, he recommends designating a biosecurity champion—or champions—within each operation. These individuals are responsible for promoting awareness, implementing best practices, and fostering a strong culture of biosecurity throughout the farm.


Standard Operating Procedures - well-written standard operating procedures (SOPs) provide step-by-step instructions for each task, specify objectives, and clarify personnel responsibilities. They also include critical elements such as record-keeping requirements and review dates to ensure procedures remain current and effective. “SOPs are not just about telling staff *what* to do—they should outline exactly *how* each biosecurity task should be performed, who is responsible, and when it should be reviewed,” explained Manchester. “This clarity is essential for maintaining high standards and continuous improvement.”

Emergency Procedures - develop specific emergency biosecurity procedures to be enacted in the event of a disease outbreak. These procedures should include immediate isolation of affected areas, enhanced monitoring, and communication strategies with veterinary authorities.

Prevention Pays: Biosecurity Lowers Antimicrobial Reliance

Manchester noted that Dutch swine producers have successfully reduced antimicrobial use by an impressive 70% across their operations, through the rigorous implementation of strict biosecurity protocols, which have minimized disease introduction and spread within farms.

Looking Ahead

In the next article, Manchester will discuss how enhanced animal nutrition can further reduce antimicrobial use and combat resistance. For more information on biosecurity best practices and sustainable livestock production, please contact Ecolex Animal Nutrition at [info@ecolexanimalnutrition.com]. 



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poultry production in India has grown in scale and complexity. Along with this growth, pest-related challenges have become more frequent and severe. High-density housing, continuous litter buildup, and increased feed storage create favourable conditions for pest buildup. These include house flies, rodents, darkling beetles, and other ectoparasite pests, which have a huge impact on the quality and quantity of poultry products. Such pests pose threats to bird health, productivity, structural integrity, and biosecurity. An effective, structured pest control program is necessary to ensure sustained performance and safety in poultry operations.

Key Habitat Pests in Poultry Production

Pests found in and around poultry environments can have significant direct and indirect impacts. Two major pests that are responsible for the spread of different types of diseases in poultry include house flies and rodents.

House Flies as High-Impact Vectors

House flies reproduce rapidly, completing their life cycle in 7 to 10 days under warm, humid conditions. Poultry sheds offer ideal breeding sites due to manure accumulation and persistent moisture.

These flies carry pathogens such as *Salmonella* spp., *Campylobacter* spp., *Escherichia coli*, and *Staphylococcus aureus*. They contribute to disease outbreaks and product contamination. High fly populations can also lead to odour issues, community complaints, and operational disruptions.

Monitoring Fly Load Before Intervention

Monitoring pest levels helps identify when intervention is necessary. It also prevents overuse of insecticides and supports evidence-based decisions.

Recommended monitoring tools:

- Spot cards are placed in sheds to track fly activity
- Baited traps to monitor adult fly populations

Table 1: Habitat Pests and Their Impact on Poultry

Pest	Impact
House flies (<i>Musca domestica</i>)	<ul style="list-style-type: none"> • Transmit more than 100 pathogens, including bacteria, protozoa, viruses, fungi, and helminths • Spread contamination from manure to feed and water • Cause stress and discomfort in birds • Spoil egg quality and affect worker hygiene
Rodents (<i>Rattus</i> , <i>Bandicota</i> spp.)	<ul style="list-style-type: none"> • Damage insulation, wiring, and feed packaging • Spread over 45 zoonotic diseases • Contaminate feed and water supplies • Kill young chicks and create biosecurity breaches • Spread viral, bacterial, and protozoan diseases such as IBDV, Marek's disease, NDV, <i>Salmonella</i>, <i>E. coli</i>, and coccidiosis

- Scudder grids are used to count flies in designated areas

Integrated House Fly Management Approach

Effective control relies on a combination of practices that work together. These include:

1. Cultural control
2. Mechanical control
3. Biological control
4. Chemical control

Consistency and timely execution are essential across all these areas.

1. Cultural Control

Environmental hygiene practices directly influence

pest breeding and survival.

- Remove manure regularly and store it in covered, fly-proof structures
- Trim vegetation near sheds and dispose of it properly
- Avoid feed spills and store feed in sealed containers
- Promptly dispose of bird carcasses by incineration or deep burial
- Repair water leaks to keep the litter dry
- Maintain ventilation to prevent litter moisture buildup

2. Mechanical Control

Physical tools help reduce fly entry and manage populations within sheds.

- Install mesh screens with 0.88 to 1.22 mm apertures on openings
- Use insect light traps with glue pads away from birds
- Seal structural gaps and monitor trap effectiveness regularly

3. Biological Control

Natural enemies of flies exist, but their use in Indian poultry operations is limited.

- Parasitoid wasps such as Spalangia and Muscidifurax can be used to suppress larvae, but they have limited effectiveness
- The field effectiveness of natural enemies is often reduced due to frequent pesticide application, high temperatures, ammonia, and inconsistent supply

Biological controls can support other measures, but cannot be relied on alone.

4. Chemical Control

Chemical interventions remain necessary in most operations. Their success depends on correct product selection, application, and rotation.

Selecting and Applying Insecticides

Larvicides

Feed-through larvicides such as cyromazine 10% premix:

- Effective in caged layer systems
- Pass through the bird into the manure
- Require a 3-day pre-slaughter withdrawal period for spent fowl
- Treated manure should not be used on edible crop fields

Surface-applied larvicides such as Diflubenzuron 25% WP:

Table 2: Insecticide Misuse and Consequences

Misuse	Consequences
Use of unapproved agrochemicals	Inconsistent results, toxicity, and residue violations
Incorrect dose or frequency	Resistance development, ineffective control, waste of resources
Mixing incompatible products	Unstable chemical reactions, increased toxicity risks
Over-application	Loss of natural predators, increased resistance, unnecessary costs

- Applied to manure or litter
- Best to include IGRs as they are mimics of natural compounds
- Development of resistance is not common
- Disrupt the insect’s moulting process

Adulticides

Use products with dual modes of action for fast and residual control.

Temprid SC (imidacloprid 21% + beta cyfluthrin 10.5%):

- Acts through contact and ingestion
- Slows resistance development
- Suitable for scheduled rotation programs

Application tips:

- Apply on fly-resting surfaces such as walls, ceilings, and support structures
- Do not apply directly to birds
- Use a diluted solution at 50 ml/m²
- Rotate active ingredients periodically

Worker Safety and Handling

Chemical application must be supported by operator safety protocols.

Table 3: Insecticides for House Fly Management

Product	Active Ingredient	Dose	Application Rate	Notes
Bi-Larv WP	Diflubenzuron 25% WP	5 g in 5 L water	2 L/sq.m	Surface larvicide
Temprid SC	Imidacloprid + beta-cyfluthrin	4 ml/L water	50 ml/sq.m	Dual-action adulticide
Aqua K-Othrine	Deltamethrin 2% EW	50 ml in 1 ltr. water 50 ml per Hectare	ULV fogging:	Apply during high activity periods
Quick Bayt	Imidacloprid 0.5% RB	200 g + 150 ml water	150 ml/100 m²	For bait strips or panels only

- Wear gloves, face shields, coveralls,
- Keep chemicals away from feed, water, and birds
- Ensure proper dilution and use only designated application tools
- Allow treated areas to dry before re-entry
- Train all applicators in safe handling procedures

Bait and Space Spray Options

Quick Bayt (imidacloprid 0.5% RB):

- Apply as a paint-on or bait strip in non-bird zones
- Contains attractants that draw and kill adult flies
- Do not apply near feed or water sources

Space sprays:


- Reserved for outbreak situations
- Use water-based, odorless formulations
- Avoid products requiring fogging or petroleum-based carriers

Operational Value of Integrated Pest Management

Uncontrolled fly populations reduce productivity, impact bird health, and threaten product acceptance. Eggs and meat may face rejection due to contamination or residue risk. Feed waste, medication costs, and downtime from disease outbreaks also rise.

Consistent implementation of integrated fly management improves feed conversion, reduces mortality, and helps maintain biosecurity and brand trust. Over time, this lowers operating costs and enhances farm resilience.

Conclusion

Poultry pest management requires structure, consistency, and informed execution. House flies and rodents present different risks and require a coordinated response. A science-based IPM approach supported by monitoring, hygiene, and safe chemical use ensures long-term control. This helps maintain bird health, protect output quality, and support the commercial viability of farm operations. 




A Fond Farewell to Michiel van Erkel: A Champion of Indo-Dutch Agricultural Collaboration

On June 25, 2025, the Taj Deccan in Hyderabad hosted a grand farewell for Michiel van Erkel, the outgoing Agriculture Counsellor of the Netherlands Embassy in India, marking the end of his impactful tenure. The event, meticulously organized by the Netherlands Business Support Office (NBSO India) under the leadership of Director Mr. Indrarun Harsh and Mr. Ram Babu Vedantham, was a heartfelt tribute to a diplomat whose simplicity, dedication, and professionalism left an indelible mark on India's agricultural landscape.

Michiel's contributions spanned poultry, dairy, aqua, and broader agricultural sectors, fostering a legacy of Indo-Dutch cooperation. His accessibility and willingness to assist anyone who approached him earned him lavish praise from industry leaders and colleagues alike. At the farewell, luminaries such as Mr. Suresh Chitturi, Mr. Uday Singh Bayas, and Mr. Chakravarthi AVPS expressed profound gratitude for his transformative work. His pivotal support for the Indian Poultry Equipment Manufacturers Association (IPEMA) was particularly lauded, cementing his role as a catalyst for innovation and collaboration in the poultry sector.

Beyond his professional achievements, Michiel's leadership shone through in his acknowledgment of his team, a testament to his humility and collaborative spirit. His support for organizations like PUM inspired many, including the author, to deepen their engagement with such initiatives.

Michiel van Erkel's tenure in India has left a lasting legacy of progress and partnership. As he moves forward, his warmth and dedication will undoubtedly continue to inspire wherever he goes. The agricultural community in India bids him a fond farewell, with heartfelt wishes for his future endeavors. 



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An Effective Strategy to Control Necrotic Enteritis in Monsoon Season

Dr. Ashok Rajguru

Program Manager – Gut Health, Trouw Nutrition South Asia



Necrotic enteritis is one of the most prevalent poultry diseases globally as well as in India also. Necrotic enteritis incidences are depending on the season and weather condition. NE cases increase during rainy season due to higher relative humidity in broiler shed which leads to wet litter condition. This necrotic enteritis causes significant challenges in broiler production specially in monsoon season. It will impact both profitability and poultry health. Necrotic Enteritis (NE) is a major concern, causing substantial production losses and compromising bird welfare. Necrotic Enteritis is caused by *Clostridium perfringens* which is a prevalent enteric bacterial disease in broilers leading to high mortality rates, reduced growth, and poor feed efficiency. Even in its subclinical form, NE can significantly impair feed efficiency without showing clinical symptoms. Given the

economic implications and consumer demand for antibiotic-free chicken, controlling NE becomes a challenge for poultry producers.

Mechanism of Necrotic enteritis (NE) in Broiler:

NE can arise when a pathogenic strain of *C. perfringens* invades, colonises the gut, and then increases in abundance and produces toxin(s) that damages the gut epithelial layer, thus compromising gut integrity and function. (figure no 1).

Alternative approach for Necrotic enteritis (NE) control:

There are three strategies to control necrotic enteritis

1) Management practices-good farm management practices like comfortable temp. (26-30°C), better litter conditions, good quality water supply, proper stocking density, biosecurity helps for reducing impacts of NE.

2) Vaccination-many experimental vaccines of NE reported but having limited efficacy.

3) Feed additives- in market many products are available such as Organic acids, prebiotics, probiotics, postbiotic and phytogenic products.

Organic acids, including short-chain fatty acids (SCFA) and medium-chain fatty acids (MCFA), have long been recognized for their antimicrobial effects and ability to promote gut health. Research conducted by Trouw Nutrition investigated the efficacy of blends of organic acids as alternatives to control NE and antibiotic growth promoters (AGP) in broiler production. The findings revealed that a combination of SCFA and MCFA effectively controls both gram-negative and gram-positive bacteria in feed, including the pathogen responsible for Necrotic Enteritis. Selacid GG MP, developed

Table no.1 experiment design on Ross 308 male chicks for 35 days.

Trial Group	Feed Treatment		Challenge	
	AGP group	Selacid GG MP	Eimeria antigen*	Clostridium perfringens**
Non-Challenge Control	-	-		-
Negative Control	-	-	Day 9	Day 14
Positive Control	BMD* 50 gm/t	-	Day 9	Day 14
Selacid GG MP	-	Pre Starter 2kg/MT, Starter 1.5 kg/MT & Finisher 1 kg/MT		

*BMD: Bacitracin MethyleneDisalicylate

*oral one-off-dose of 1 ml field strains of *Eimeria* spp. oocysts (5,000 oocysts of *E. acervulina*, 5000 of *E. maxima*, 2,500 *E. brunetti*)

** oral administration of 1 ml of *Clostridium perfringens* NE18 grown to 1×10^8 CFU/ml

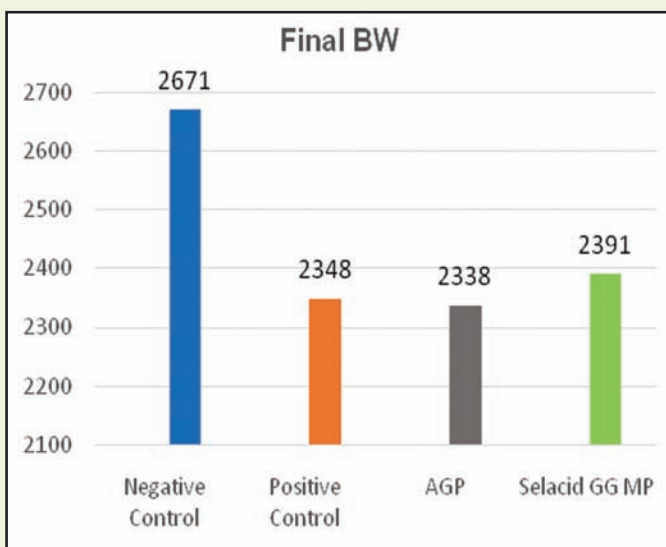
by Trouw Nutrition, emerges as a comprehensive solution for enhancing gut health and combating enteric diseases in broilers. This formulation contains blends of free and buffered SCFA and MCFA, which control bacterial contamination in feed and act as potent antibacterials within the gut. By maintaining a healthy gut environment, Selacid GG MP supports optimal digestion and nutrient absorption, thereby enhancing performance even under disease challenges. Studies comparing the efficacy of Selacid GG MP with AGP Zinc bacitracin demonstrated promising results in terms of improved growth performance and broiler health during gut health challenges. These findings underscore the efficacy of organic acids in reducing mortality and mitigating the incidence of Necrotic Enteritis in broilers. Trouw Nutrition conducted NE challenged validation

trialson male Ross 308 broilers.Trial was conducted for 35 days.

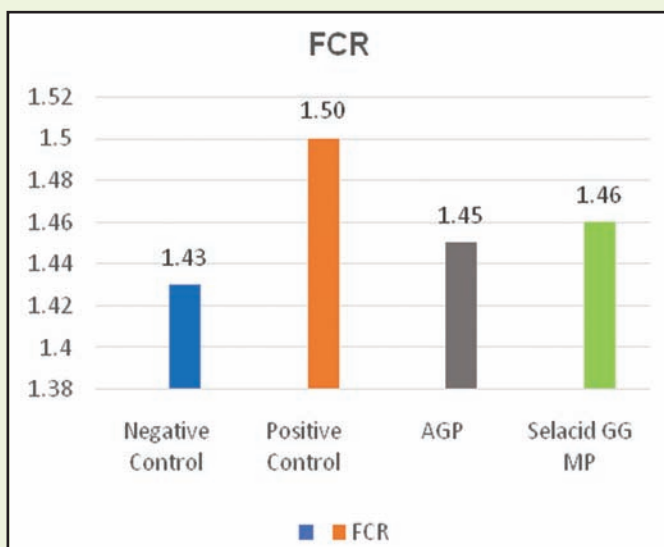
Conclusion

In monsoon season, high prevalence of NE negatively affectseconomicof the farmers.Some of the feed additives demonstrated effective tools for reducing NE incidence such as organic acids.Organic acids emerge as a viable solution for managing enteric diseases like Necrotic Enteritis.Selacid GG MP, with its potent blend of SCFA and MCFA, offers a proven strategy for reducing bacterial infections, improving gut health, and enhancing overall poultry performance. By leveraging the antimicrobial properties of organic acids, poultry producers can mitigate the economic impact of enteric diseasesespeciallynecrotic enteritisand meet the growing demand for antibiotic-free chicken. 🇮🇳

Final Birds performance at 35 days: Graph 1 & 2



Graph no 1



Graph no. 2



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Haryana's Poultry Sector Urges CM for Policy Reforms to Boost Growth and Competitiveness

The Poultry Federation of India (PFI), along with other key industry associations, has submitted a detailed appeal to the Hon'ble Chief Minister of Haryana, Sh. Nayab Singh Saini, highlighting the sector's significant contributions, persistent challenges, and crucial reforms needed for its sustainable growth. The letter, dated June 15, 2025, expresses gratitude to the Chief Minister for providing an opportunity to present their concerns directly. The Federation reminded the Chief Minister of his previous commitment to meet them in Chandigarh after his program in Dadri was canceled due to the unfortunate demise of former Prime Minister Sh. Manmohan Singh on December 28, 2024.

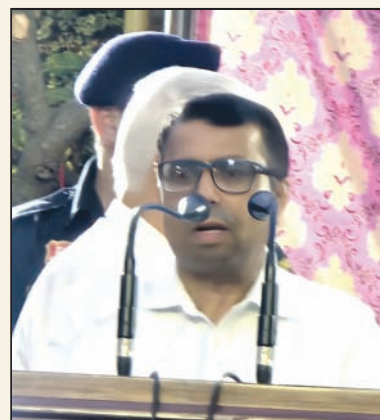
A Pillar of Haryana's Economy

The poultry sector in Haryana, which began with small efforts 40-45 years ago, now plays a major role at the national level. Despite having only 1.34% of the country's total land area, Haryana contributes a remarkable 25% to the nation's broiler parent bird production, currently housing approximately 1.4 crore broiler parent birds. Furthermore, the state accounts for about 4 crore layer birds annually, representing over 10% of the national production, and 36 crore chick replacements, which is 8% of the national total of over 450 crore replacements annually.

Haryana's poultry sector boasts:

- 300 Breeder Farms • 1100 Layer Farms • 4000 Broiler Farms
- Totalling approximately 5500 poultry farms

These farms directly provide employment to over 60,000 people. Additionally, there are over 100 feed mills employing 7,000-8,000 individuals. Overall, the sector provides direct employment to approximately 65,000-





70,000 people and indirect employment to 2.5 lakh people in Haryana. The industry is growing at a consistent rate of 8-10% annually, promising significant future employment opportunities.

Key Challenges Faced by the Poultry Sector

Despite its robust growth, the sector faces several obstacles requiring urgent government attention:

1. Abolition of Market Fees on Maize, Eggs, and Cull Layer Birds:

Maize as a Raw Material:

Maize is an indispensable raw material for poultry feed, but Haryana's limited production means most of it is imported from states like Bihar.

Discriminatory Market Fees:

While Bihar does not impose market fees on maize, Haryana levies a 1% market fee on maize brought into the state. This rule was introduced 25-30 years ago when maize was primarily traded whole.

Outdated and Burdening Tax:

Currently, maize is used for feed manufacturing for animal husbandry and poultry, a use that is generally exempt from market fees. However, authorities continue

to pressure feed mills, leading to what the Federation describes as corruption.

Eggs and Cull Layer Birds:

Haryana also imposes a 2% duty on eggs and cull layer birds. This duty was introduced 27 years ago by the Chaudhary Bansi Lal government to establish a livestock market in Bahalgarh, which has not yet been built.

Competitive Disadvantage:

No other state in India levies such duties, making Haryana's poultry sector less competitive compared to others.

The Federation urgently requests the complete abolition of market fees on eggs, cull layer birds, and imported maize to provide relief to the sector and enable poultry farmers to contribute more significantly to the state's economy.

2. Pollution Registration Issues:

Misclassification and Burden: Poultry farming is primarily an agricultural activity, classified under the 'Green' category for environmental standards, unlike animal husbandry which is 'Orange'. However, Haryana treats the poultry sector as an industrial unit, imposing stringent and

complex guidelines that cause unnecessary harassment to poultry farmers.

Unique Hurdles in Haryana:

Unlike other states where poultry farmers do not face such barriers for pollution registration, Haryana demands a plethora of documents, including:

- Controlled Ground Water Planning NOC/CLU
- Site Plan and Building Plan
- Forest Department NOC
- Flowchart of the manufacturing process
- NOC from the Registrar for water supply
- CA-certified Investment Report
- Electricity connection details
- Diesel generator (DG set) capacity details
- Raw material details
- Finished product details
- Disaster Management Plan (if applicable)
- Land revenue record (Jamabandi&Intkal or Lease Deed &Intkal)
- Gram Panchayat NOC
- Details of retrofitted emission control equipment for gensets

Unjustified Fees and Pressure:

These requirements are used to collect annual fees and substantial amounts at the time of registration in the name of pollution control. Farmers are even pressured to install meters on borewells to monitor water consumption by chickens, akin to agricultural irrigation, despite water being used solely for drinking purposes for the birds.

Pollution Management in Poultry:

The letter clarifies that:

- Breeder farms are highly sensitive with strict biosecurity and cleanliness, posing no pollution risk.
- Broiler farms operate on a 35-day cycle, after which the area is thoroughly cleaned, and fresh litter is added. The resulting manure is used in fields, presenting no air or water pollution risk.
- Layer farms do face manure management challenges, but this can be fully resolved. The Federation proposes that the government provide financial assistance for establishing biodigester plants at layer farms, as most farmers cannot afford such investments. Biodigesters would not only solve manure issues but also generate electricity for farm energy needs and produce organic fertilizer, offering an additional income source for farmers.
- The Federation advocates for a simple, transparent, and free online pollution registration process, if deemed necessary. They suggest that only basic documents like the farmer's ID, electricity bill, Jamabandi, and Aadhaar card should suffice. They also call for exemption for groundwater use through a simplified process and request the government to provide regular training and guidance on cleanliness, biosecurity, and environmental awareness to ensure safer and more organized operations.

3. Proposal for a "Poultry Development Council":

To organize, strengthen, and ensure the long-term viability of Haryana's poultry sector, the Federation proposes the establishment of a "Poultry Development Council" at the state level.

Leadership and Composition: This council should be chaired by the State's Chief Secretary. It should include representatives from major organizations like the Poultry Federation of India (PFI), Broiler Breeders Association - North, and North India Broiler Producer Association, along with active and experienced poultry farmer representatives from Haryana.

Regular Meetings: The council should hold mandatory meetings every three months to ensure timely, practical, and priority-based solutions to issues related to the poultry sector.

Enhanced Coordination: This body would serve as a dialogue platform, fostering better coordination between governance and the poultry industry, making policy decisions more effective and implementable at the ground level.

The Federation emphasizes that they are not seeking financial grants or subsidies, but merely policy support and opportunities to create a fair and competitive environment. They note that other states like Uttar Pradesh offer various facilities such as capital investment subsidies, interest subsidies, and electricity rate relief to poultry farmers, but their primary goal is merely a just and competitive situation in Haryana. 🇮🇳

VIV Select India's Press Launch held at Delhi

VNU Europe, the international division of Royal Jaarbeurs, in collaboration with the Poultry Federation of India (PFI), has announced the launch of VIV Select India 2026, a trade show focused on the Indian animal protein and livestock industry. The event is scheduled to take place from April 22-24, 2026, at the Yashobhoomi Convention Center in Dwarka, New Delhi. A press conference was held at JW Marriott, New Delhi, to introduce the event. The gathering included representatives from poultry companies, industry professionals, and media outlets.

Jeroen van Hooff, CEO of VNU Exhibitions, emphasized the importance of the event for stakeholders of the industry, highlighting its potential to drive long-term growth. Patrick van Rooij, Project Manager for VIV Select India, outlined plans to attract international exhibitors and visitors to the expo. Ranpal Dhanda, President of PFI, expressed the federation's commitment to supporting the event to ensure its success. Ricky Thaper, Joint Secretary of PFI, noted that the exhibition offers opportunities for industry stakeholders to learn about global best practices and new technologies. Ravinder Sandhu, Secretary - PFI, stated that the event will facilitate collaboration between Indian and international poultry industry players, including equipment suppliers, feed producers, and processors. Rajeevan Vattakat, VIV Representative, highlighted the role of conferences during the expo in enhancing participants' knowledge of global poultry and livestock trends. Michiel van Erkel, Agriculture Counsellor at the Embassy of The Netherlands, spoke about the strong business ties between The Netherlands and India, extending his support for the event. A video showcasing the Yashobhoomi Convention Center was presented during the press meet. 🇮🇳




PFI Delegation Visits Stallen South Asia Pvt. Ltd.,

Poultry Federation of India (PFI) team recently visited the state of the art Feed Additives, Antibiotics and Premix Manufacturing Plant of Stallen South Asia Pvt. Ltd. in Palghar, Maharashtra. The visit was aimed at gaining deeper insights into modern practices in animal health and nutrition. The distinguished delegation comprised Mr. Ranpal (Bittu) Dhanda, President, Mr. Sanjeev Gupta, Vice President (HQ) and Mr. Ricky Thaper, Joint Secretary, Poultry Federation of India. They were warmly welcomed by the leadership team at Stallen and taken through the facility's operations, manufacturing processes and innovation-driven initiatives.

Stallen's manufacturing facility is recognized for its world-class infrastructure and manufacturing excellence. It specializes in a broad portfolio of feed additives and premixes for poultry and cattle, including antibacterials, toxin binders, growth promoters, dewormers, anticoccidials, and mineral supplements. These are produced in various forms such as powders, liquids and tablets. The manufacturing unit is equipped with advanced machinery for formulation, granulation, liquid filling, and packaging. Rigorous quality control is implemented at every stage, from raw material testing to final product release, ensuring product consistency, safety, and compliance with global standards. This dedicated formulation unit in Palghar, Maharashtra, manufactures therapeutic and beta-lactam pharmaceutical products in multiple dosage forms, including tablets, oral liquids, powders, boluses and ointments. The facilities comply with Good



Manufacturing Practices (GMP) and are aligned with regulatory requirements to serve both domestic and international markets. With their company products registered in over 65 countries, this milestone reinforces India's pursuit of veterinary self-

sufficiency and innovation-led growth. During the visit the delegation had good interaction with Stallen's senior leadership, including Mr. Aniket Parikh, Director; Dr. Sanjay Singhal, Chief Operating Officer (Poultry & Cattle) and Mr. Davinder Kumar, Vice President - Sales (North & Central). Mr. Aniket Parikh, Director, Stallen South Asia Pvt. Ltd., told that Stallen company was started by his visionary father Late Shri AB Parikh in the year 1992. He added that Stallen products are now being exported to over 65 countries in North America, South America, Europe, Middle East, China, Japan, South East Asia and Australia. Mr. Davinder Kumar, Vice President - Sales (North & Central) highlighted about their tie-up with FATRO, Italy and their company is marketing the entire vaccine range of FATRO in India Subcontinent. Dr. Sanjay Singhal, Chief Operating Officer (Poultry & Cattle) added that Stallen's Pharmaceutical third unit which focus on Halquinol 98%, a non-antibiotic growth promoter being manufactured as per BP 80 (British Pharmacopoeia 1980) standards in Vatva, Gujarat. The delegation appreciated Stallen's warm hospitality, operational transparency and unwavering commitment to quality. The visit reaffirmed the vital role of companies like Stallen in driving progress within India's veterinary landscape through innovation, regulatory excellence, and responsible manufacturing. 

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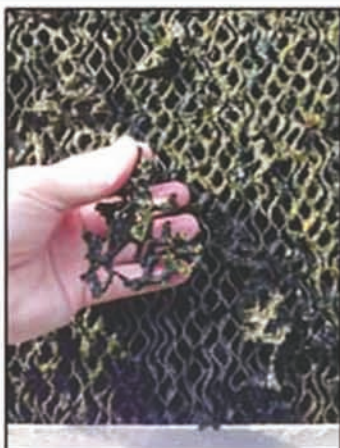
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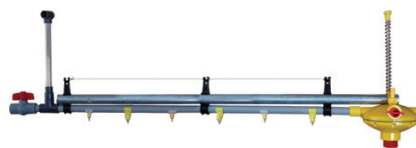
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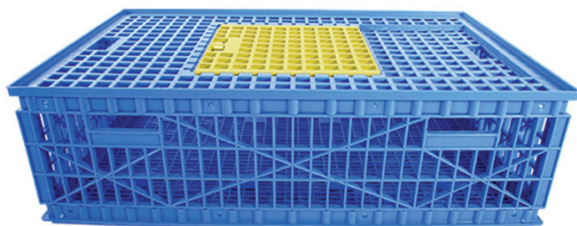
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IPJA Technical seminar in Tanuku Addresses the challenges faced by Andhra Pradesh Poultry Industry

On June 10, 2025, the Indian Poultry Journalists Association (IPJA), in collaboration with National Egg Coordination Committee (NECC), Andhra Pradesh Poultry Federation (APPF), and the Indian Poultry Equipment Manufacturers Association (IPEMA), organized a Technical Seminar that drew 350+ poultry farmers from the region. The day-long event addressed critical challenges facing the poultry industry and proposed actionable solutions to bolster its growth.

Key Resolutions and Appeals

The seminar urged the State Government to revive the Andhra Pradesh Poultry Development Corporation to address regional poultry farmers' concerns. It also appealed to the Central Government to establish a National Egg Board to streamline and resolve issues faced by poultry farmers across India. To stabilize egg prices nationwide, the seminar advocated for facilitating the import of genetically modified (GM) maize and promoting egg exports from the Tanuku region.

The gathering emphasized skill development by recommending that the Skill Development Council introduce polytechnic courses in poultry, modeled after reputed institutions in Pune and Coimbatore, run by private companies like VHL and Suguna. Additionally, it called on the Higher Education Department to launch a B.Sc. Poultry Science program, similar to the one at L.B. College, Warangal, Telangana.

Inaugural Ceremony and Key Addresses

The seminar commenced with the traditional lighting of the lamp by dignitaries, including Mr. K.V. Subba Rao (President, APPF), Mr. Padala Subba Reddy (Secretary, APPF), Dr. K. Somi Reddy (Srinivasa Hatcheries), Mr. Uday Singh (President, IPEMA), Mr. P. Chakradhar Rao (Founder President, IPEMA), Mr. Santosh Ire (Secretary, VIPs), Dr. R. Srinivasa Rao





(Secretary, VIPs, AP), Mr. M.K. Vyas (President, IPJA), Mr. M.N. Rao (Vice - President) Mr. NSN. Murthy (Treasurer), and Mr. Shashank Purohit (Joint Secretary).

In his welcome address, IPJA President Mr. M.K. Vyas proposed forming a committee comprising farmers from Andhra Pradesh, Bihar, and Uttar Pradesh to explore a single-window system for marketing Tanuku eggs and directly importing maize. Mr. M.N. Rao, Vice President of IPJA, emphasized that a National Egg Board could effectively address the multifaceted challenges faced by poultry farmers by coordinating with state-level poultry corporations. He also highlighted IPJA's efforts, in partnership with IPEMA, to conduct technical seminars nationwide. IPJA launched a dedicated YouTube channel to educate stakeholders on poultry-related matters, which was unveiled during the event in the presence of Poultry farmers and dignitaries.

Mr. Uday Singh urged farmers to attend the Poultry India Exhibition, scheduled for November 26-28, 2025, and shared highlights from the 2024 exhibition, which has earned recognition as a leading global event. Mr. P. Chakradhar Rao, addressing the audience in Telugu, encouraged farmers to participate in the exhibition with

their families and stressed the importance of egg quality to meet consumer demands. He suggested that NECC should certify egg quality to command premium prices.

Technical Insights and Industry Challenges

Dr. K. Somi Reddy, in an audio-visual presentation, outlined current challenges and opportunities in poultry farming. Echoing the vision of the late Padmashree Dr. B.V. Rao, he predicted the adoption of advanced technologies, such as

sensor cameras and sound boxes, to monitor bird weight, feed intake, and health via smartphones.

He stressed unity among farmers to uphold announced egg prices, reinforcing Dr. Rao's slogan, "My egg, my price, my life." Dr. Reddy raised concerns about maize supplies diverted to ethanol production, labour shortages, and the need for automation in egg collection. He also highlighted biosecurity, salmonella, E. coli, and yolk color issues, alongside emerging concerns like bird welfare, enriched cages, and



environmental regulations. Proper disposal of dead birds was flagged as a critical area needing improvement.

Dr. Reddy noted that only 65% of eggs produced are consumed locally, with the remaining 35% posing marketing challenges. He observed that per capita egg consumption in India stands at 109, well below the National Institute of Nutrition's recommended 180 eggs annually. As a signatory to UN precision livestock farming commitments, he urged the industry to aim for a target of 470–500 eggs per bird to enhance efficiency.

Farmer Unity and Industry Practices

Mr. K.V. Subba Rao, President of APPF, issued a stern warning against improper dead bird disposal, which tarnishes the industry's reputation. He expressed frustration over farmers underselling eggs, violating announced prices due to disunity and trader manipulation. He lamented that some farmers fall into debt traps by prioritizing short-term gains, allowing traders to exploit them. Mr. Padala Subba Reddy, General Secretary of APPF, echoed these concerns, criticizing farmers' reluctance to change detrimental practices over the past 40 years. He highlighted the severe consequences of selling dead birds, which reintroduce diseases to farms, and urged farmers to resist underselling to maintain dignity and financial stability. He also addressed the maize shortage driven by ethanol production, which has inflated feed costs, pushing even cash-rich farmers into credit dependency.





Technical Presentations

The seminar featured insightful presentations by industry experts:

Dr. Parag Mahadik discussed the use of enzymes in poultry feeds.

Dr. Dharendra Kumar addressed bird flu in poultry.


Dr. Pavan Kumar spoke in Telugu about premixes in feeds.

Dr. Srinivasa Rao Rama Raju presented on gut health in poultry.

Mr. Ramesh Yedlapati highlighted the benefits of Black Soldier Larvae in improving litter conditions, reducing odor, and composting dead birds.

-Dr. K. Balaswamy debunked myths linking cholesterol to heart problems.

The event paid rich tributes to Late Smt. Uttaradevi and late Padmashree Dr. B.V. Rao with a visit to their statues, followed by a two-minute silence in memory of Mr. Vijay Singh, a founder member of IPEMA and Chairman of Vijayaraj Poultry Equipment.

Mementos were presented to sponsoring companies, including Poultry India, ABTL, Vesper, Venworld, RR Animal Health Care, Super Enviro, NECPC, Swiss Chemie, Amantro Agro and Adelbert, by Mr. NCH. Venkatraju, President of the Godavari District Poultry Farmers Welfare Association. Mr. Shashank Purohit proposed the vote of thanks, concluding the seminar. 



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Successful tools for a holistic approach towards gut health

Lode Nollet, Global Product Manager Poultry Enzymes, Huvepharma

Nutritional strategies to support the production of high quality, low cost and safe animal products are a must nowadays. The relationships between health, nutrition, welfare, and environment need to be considered. In poultry production, increasing feed costs are imposing pressure on the profitability of the farmer, so nutritionists seek to reduce feed costs whilst maintaining animal performance and gut health. Several strategies, with tangible tools to support this, are discussed in this article.

CONTROLLING COCCIDIOSIS

Coccidiosis, caused by protozoan parasites of the genus *Eimeria*, is one of the most widespread and difficult to manage poultry diseases, resulting in considerable economic losses in the broiler industry. Insufficient or inadequate control of coccidiosis will result in gut health damage and provide a pathway for other pathogens to proliferate.

For instance, suboptimal coccidiosis control combined with a high amount of undigested protein will create an ideal situation for the proliferation of *Clostridia* spp. Birds suffering from clinical coccidiosis will show typical signs like diarrhoea, bloody droppings, increased mortality, decreased feed intake and impaired performance.



Inadequate control of coccidiosis leads to impaired growth and feed conversion ratio, without the presence of evident clinical signs. This is subclinical coccidiosis.

Intensive methods of production of poultry favour the reproduction of *Eimeria*. Consequently, coccidiosis is a continuing problem requiring constant attention and, in the case of broilers, a need for continuous supplementation with anticoccidial drugs or coccidiosis vaccines, in addition to in-feed anticoccidials. Coccidiosis control combined with a good monitoring programme will be the base of any gut health management programme.

IMPROVING FEED DIGESTIBILITY

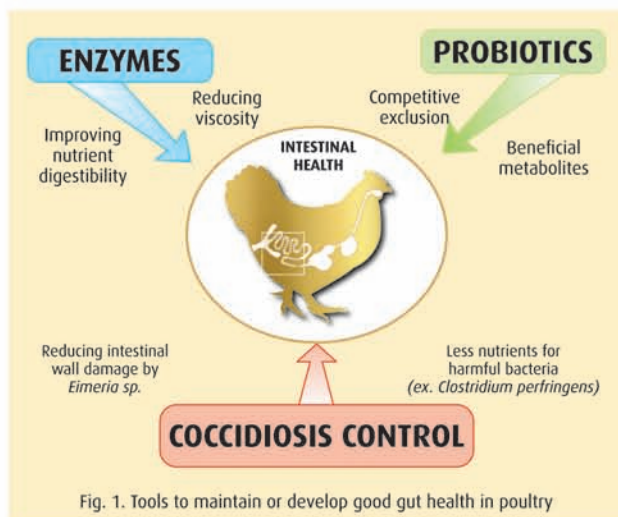
Improving digestibility of the feed can be achieved by selecting highly digestible feedstuffs. However, this will increase the feed price. The improvement of the digestibility of feed by using enzymes able to degrade Non-Starch Polysaccharides (the so-called NSPases) will not only lead to lowering the feed cost at formulation, but also exert a positive effect on the bird's gut health.

The NSPases contain xylanase or xylanase-based enzymatic complexes, and their mode of action includes the hydrolysis of soluble arabinoxylans, which minimises intestinal viscosity, preventing the overgrowth of microflora and thereby reduces gut health disorders.

Together with the efficient reduction in viscosity, NSPases will also hydrolyse insoluble arabinoxylans. This action will unlock nutrients (mainly starch and proteins) which are trapped in the cell walls of the vegetable feed ingredients (the so called 'cage effect' of insoluble fibres).

Using the correct NSPase leads to improved digestibility of starch and protein. The latter is of particular importance as high levels of undigested protein in the (last) part of the intestine is a breeding ground for protein-loving pathogens like *Clostridium* spp, causing necrotic enteritis.

The breakdown of arabinoxylans by NSPase also yields arabino- oligosaccharides (AXOS) which are known to be fermented by the microflora in the lower part of the intestine to butyrate, which is a major energy source for villi regeneration allowing good gut health status.



Phytases have been shown not only to break down phytate to release phosphorus, but by doing so, to also destroy the anti-nutritional factor phytate.

This not only leads to a reduction of endogenous protein losses, but also liberates protein and amino acids which are complexed by phytate, enhancing their digestibility.

SUPPORTING THE MICROBIOTA

The relationship between a healthy gut and the animal's microbiota is undeniable. As part of the holistic approach, the inclusion of probiotics in the nutritional programme offers a way of supporting gut health from a microbial perspective.

The mode of action of probiotics is usually multifactorial, including (but not limited to) the production of beneficial metabolites or the direct competition with unwanted bacteria. As a result, probiotics often help to balance the present microbiota and improve its robustness, supporting general gut health in the process.

Probiotics can be incorporated into the feed or drinking water, depending on the strain and formulation used. Although there are many commercial options available, the preferred product of choice should be based on a single unique strain, capable of forming spores and with a proven and researched mode of action. Such probiotics increase the ease of use, whilst ensuring product efficacy.

Good examples are B-Act[®], containing viable spores of *Bacillus licheniformis*, based on *Clostridium butyricum*. Probiotics allow producers to support their animals' gut health efficiently, setting them up for a successful production period from start to finish.

CONCLUSION

Gut health management is of paramount importance to the profitability of poultry farming. The strategy behind managing optimal gut health should contain a combination of the most important control tools on the market available today: an adequate and well thought-through coccidiosis control programme, combined with an NSP enzyme and a phytase, and topped off by a well-functioning probiotic.

To know more, please contact Huvepharma technical team



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Reciprocal Tariff by USA — How Safe is Indian Poultry Industry and HOW LONG ?

USA has recently imposed 27 percent reciprocal tariffs on Indian goods. Since India is not exporting much poultry products to USA, as such no immediate direct impact on our poultry industry.

Yet Indian poultry industry needs to be vigilant of indirect threat to Indian poultry industry. USA as we know, is the world's largest poultry producer and exports poultry to India rather than importing from us. The real threat looming large on Indian poultry is that USA may demand greater access to Indian poultry market while negotiating issues on trade. India's poultry industry is currently shielded by high tariffs. USA has already been pushing to reduce on American poultry products Earlier

India agreed to cut tariffs on US frozen turkey and cut down it from 30% to 5%, settling a long-running WTO dispute. Chapter is not yet closed. The US continues to seek lower tariffs on chicken legs and processed poultry, but India has resisted to protect local farmers.

But it is to be seen that how long our government can resist it. Further cut of tariff will be a **direct threat to livelihood of scores of Indian poultry farmers. Our poultry industry needs to be constantly in touch with policy makers in Delhi to stop them of sacrificing poultry concessions to secure better terms in pharmaceuticals and other industry.** 

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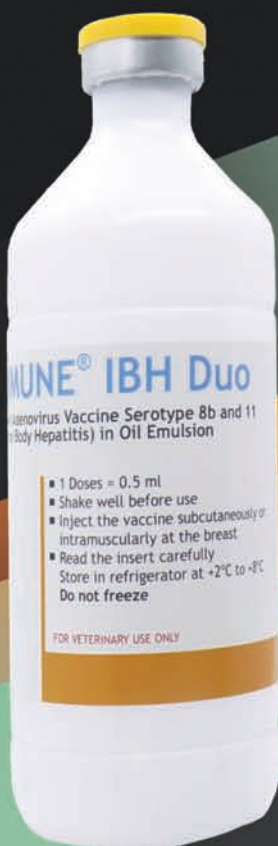


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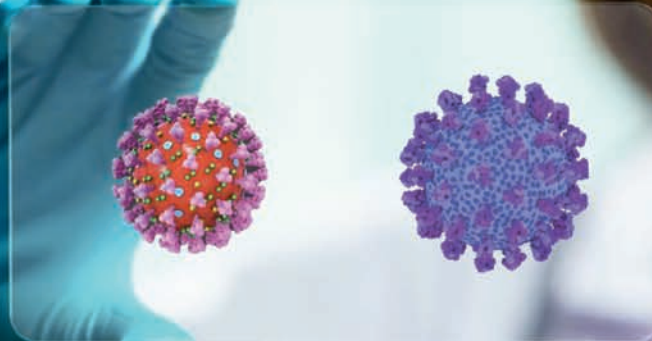
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