OCTOBER - DECEMBER 2026

LIVESTOCK & POULTRY
MIDDLE EAST & ASIA

MULTIFAN VENTURON:
SETTING A NEW STANDARD IN TUNNEL VENTILATION

PAGE 20

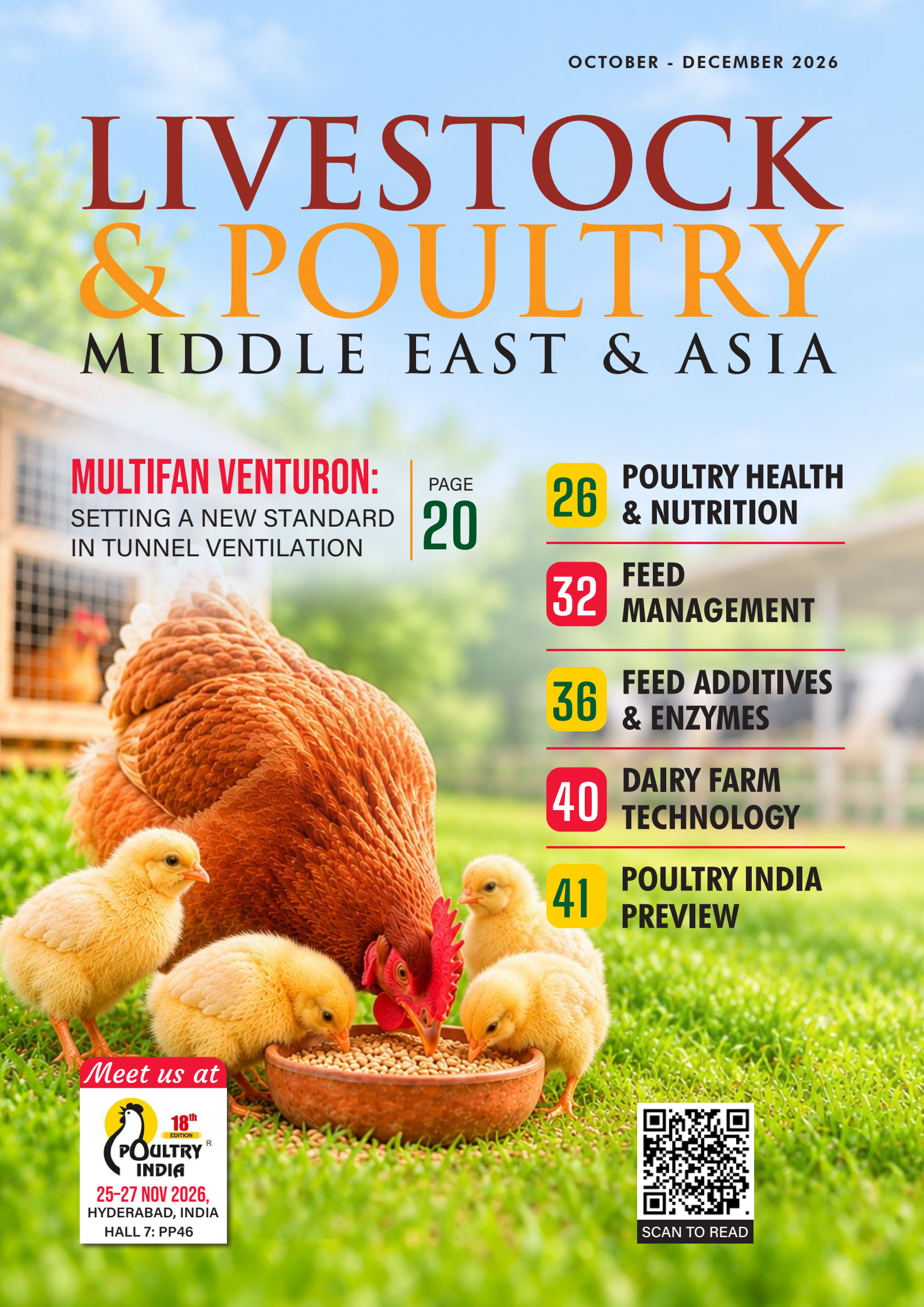
26 POULTRY HEALTH & NUTRITION

32 FEED MANAGEMENT

36 FEED ADDITIVES & ENZYMES

40 DAIRY FARM TECHNOLOGY

41 POULTRY INDIA PREVIEW



Meet us at

18th EDITION POULTRY INDIA®

25-27 NOV 2026,
HYDERABAD, INDIA
HALL 7: PP46

SCAN TO READ

mediherba
QUALITY HERBAL PRODUCTS



Optimizes body weight, FCR and carcass quality

Helps reduce mortality during viral infections in poultry

Helps relieve respiratory disorders

INNOVATIVE AND HIGH-QUALITY HERBAL PRODUCTS TO IMPROVE LIVESTOCK PERFORMANCE

The use of herbal products has seen a tremendous increase following consumers growing consciousness for their health and well-being. On the other hand, the use of chemical-based products has steadily lost its popularity due to its side effects and the risk of resistance it causes.

Herbal and plant-based products have been proven to be able to not only treat symptoms but also heal ailments at the root cause. This has prompted the livestock industry to utilize the use of natural remedies to produce healthier meat for consumption. Additionally, natural remedies abide by regulations that have begun to limit the usage of antibiotics to prevent Antimicrobial Resistance (AMR).

WHY CHOOSE MEDIHERBA?

- Developed through scientific research, stability testing, and rigorous quality control
- Contains selected herbal extracts
- Optimal dosage
- Safe and residue-free
- Proven efficacy through in vivo studies in target animals

50 YEARS
MEDION
FORWARD TOGETHER
arthavena.com

contact us
medionoverseas@gmail.com
info@arthavena.com

medion
BANDUNG - INDONESIA
COMMITTED TO QUALITY AND CUSTOMER SATISFACTION



Your Birds Don't Take a Day Off.

Good thing Chore-Time doesn't either.

CHORE-TIME®

Every. Day. PERFORMANCE.™

Visit us at IPPE to learn more
Booth #B16021
choretime.com

LIVESTOCK & POULTRY
MIDDLE EAST & ASIA













NEWS	04
POULTRY VENTILATION	20
POULTRY BREEDING	22
GUT HEALTH	23
POULTRY HEALTH	24
POULTRY HEALTH & NUTRITION	26
FEEDER CONTROL	29
INCUBATORS	30
FORAGE TECHNOLOGY	31
FEED MANAGEMENT	32
FEED PRODUCTION	34
FEED ADDITIVES & ENZYMES	36
DAIRY NUTRITION	38
DAIRY FARM TECHNOLOGY	40
POULTRY INDIA PREVIEW	41
EUROTIER REVIEW	42
SOMMET DE L'ÉLEVAGE REVIEW	44









Editor
Matthews Matthew

Associate Editors
Jessie Jorge
Dr. Ann Matt

Assistant Editor
Raseena Navaskhan

Contributors
Dr. Hansel Geo Thomas
Neville J. Chandler

Published by Matt Media© (USA) LLC 2026

US Office
Matt Media (USA) LLC.
1713 E. Morgan Court
Gilbert, Arizona 85295

United Kingdom
Matt Media International Ltd.
12 Gateway Mews
London N11 2UT

Middle East Offices
Matt Media LLC
Sharjah Media City
United Arab Emirates

Al Saad Adv. & Publishing LLC
P O Box 25694, Sharjah
United Arab Emirates

Email: info@livestockmiddleeast.com | gulfag@emirates.net.ae | www.livestockmiddleeast.com

Livestock & Poultry Middle East & Asia is designed to serve the fast growing livestock and poultry sectors in the Asia and Middle East region by providing the expert information to our readers in our four comprehensive issues in a year. It is circulated throughout Middle East region and worldwide in addition to the extra distribution at various Livestock, Poultry, Aquaculture and Agriculture Shows. The magazine provides editorial coverage on a wide range of topics which are of interest to industry professionals.

All rights reserved. The opinions and views expressed in this publication are not necessarily those of the publishers. Readers are requested to seek specialist advice before acting on information contained in this publication, which is provided for general use and may not be appropriate for the reader's particular circumstance. The publishers regret that they cannot accept liability for any errors or omissions contained in this publication.

Beyond Protease

PEARLZYME®

From Protein Digestion to Intestinal Homeostasis



** Discover Korea's Unique Mudflat-Derived Protease*



Powerful Protein Utilization

- Maximized protein digestibility
- Improved nutrient utilization
- Reduced feed costs
- Reduced nitrogen excretion

Supports Intestinal Homeostasis

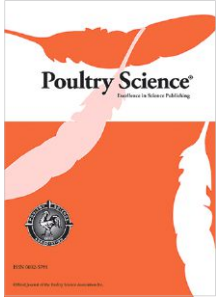
- Enhances inflammatory resilience
- Reduces inflammatory responses under challenge

** Validated in a University of Georgia (USA) study*
** Published in Poultry Science (2026)*

High Stability

- Produced from microorganisms adapted to extreme environments (Extremozyme)
- Excellent heat and pH stability

Latest Pearlzyme® Research



Read the Study

BIOCHEM SOLTON

SOLTON Biochem Inc.

4-5F, SOLTON Bldg., 3-4 Bangbaecheon-ro 6-gil, Seocho-gu, Seoul 06691, Republic of Korea

+82. 2. 584 2191

yjlee@soltonbiochem.com

www.soltonbiochem.com

Watch PEARLZYME® Video

News

AL AIN FARMS GROUP AND AL DAHRA CONTINUE STRENGTHENING UAE DAIRY SUPPLY-CHAIN RESILIENCE

Al Ain Farms Group (AAFG), the UAE's leading protein and beverages producer, and Al Dahra Holding, a global agribusiness focused on sustainable food and feed production headquartered in Abu Dhabi, have expanded their strategic partnership at Global Food Week through a new feed-supply agreement designed to contribute further to AAFG's local milk production consistency and strengthen local resilience across the UAE dairy value chain.

Following the companies' agreement for locally supplied raw milk announced at last year's Global Food Week, the latest signing extends their collaboration to another critical part of dairy production. Under the agreement, around 55% of AAFG's annual feed purchases by value will be supplied locally by Al Dahra, reducing lead times, improving efficiency and building more value within the UAE's food-production ecosystem.

Consistent, specification-led feed supply is central to herd performance, milk-yield forecasting and reliable dairy output. Through coordinated quality, testing and traceability controls, the agreement with Al Dahra will support AAFG in sustaining the productivity of its dairy herd, which includes the highest-producing cows in the UAE. By strengthening the local input behind milk production, the partnership will help maintain a reliable supply of locally produced dairy for consumers while supporting the UAE's food-security ambitions.

ROYAL AGRIFIRM GROUP BRINGS ITS SPECIALTY ANIMAL NUTRITION ACTIVITIES TOGETHER UNDER NUSCIENCE BRAND

Royal Agrifirm Group is bringing its specialist animal nutrition expertise together under one global brand, Nuscience. For customers, this creates a clearer and more connected offering, making it easier to access the expertise and solutions relevant to their specific nutritional challenges. Nuscience combines a broad range of premixes, concentrates, farm minerals, young animal feeds, specialty feed ingredients and protein ingredients with tools and services.

Nuscience works alongside animal nutrition professionals to understand complex nutritional challenges, identify an approach that fits their specific situation and translate it into action. By combining specialist expertise, science and practical experience with relevant products, tools and services, Nuscience supports better-informed nutritional decisions that align with customers' objectives and operational reality.

This customer-focused approach is at the heart of Helping you make the right call: enabling animal nutrition professionals to make informed nutritional decisions and turn them into results that work in practice.

The transition to one global Nuscience brand, positioning and portfolio framework starts in EMEA, with other regions following in phases. Until then, current regional brands remain in place.

As part of the EMEA rollout, Agrimprove and Earlyfeed are being incorporated into the Nuscience portfolio, with their established products and specialist expertise. Hamlet Protein will connect its specialist protein expertise and solutions more closely with the broader Nuscience offering.

ROSS 308 DELIVERS



- More Carcass Meat Yield
- Best Return on Your Investment
- Best Carcass Conformation and Meat Quality in the Industry

Visit *www.aviagen.com/Ross* to learn how Ross® 308 will deliver for you.

Aviagen®

ROSS

R308-TMEA1112019



KIGALI HOSTS SUCCESSFUL VIV AFRICA 2026, CONNECTING GLOBAL PLAYERS WITH AFRICAN MARKETS

VIV Africa 2026 concluded in Kigali after three days bringing together the Feed to Food industry for business, knowledge exchange, and innovation. Held at the Kigali Convention Centre, the fifth edition began with the Leadership Conference on October 6, followed by two exhibition days on October 7–8, bringing together professionals from across Africa and international markets to exchange knowledge, discover technologies and practical solutions, and develop new business relationships.

Attendance reached a new high, with a record 2,257 visitors from 69 countries, reflecting VIV Africa's growing international reach as a meeting point for the animal protein and agribusiness sectors. The Leadership Conference drew 230 attendees, while 121 Industry Leaders took part in the 2026 edition.

Across the exhibition floor, 153 exhibitors presented solutions spanning the Feed to Food value chain, including feed, animal health, breeding and hatching, farm production, processing, and food engineering.

The strong participation in Kigali reflects the growing engagement around Africa's agrifood and animal protein sectors, as well as the opportunities emerging across the region. Building on that momentum, VIV Africa will take place annually from 2027, alternating between East and West Africa and creating more regular opportunities for the industry to connect across Sub-Saharan Africa.

ALMARAI BOARD APPROVES A NEW GROWTH STRATEGY FOR 2026-2031

Almarai Company has announced that its Board of Directors has approved the Company's new growth strategy for the period 2026–2031, establishing a clear framework for the next phase of growth and value creation for its stakeholders. The strategy builds on Almarai's leadership position, trusted brands, operational excellence, and differentiated capabilities.

The new growth strategy will translate recent significant investments and capacity expansions into sustainable value through disciplined execution, productivity improvement, and capital allocation. It will broaden consumer choice, enhance supply chain resilience, strengthen local manufacturing, and continue contributing to the national economic priorities.

The strategy is centered on four growth pillars: accelerating growth in Almarai's core categories, expanding selectively into attractive categories, accelerating the development of high-potential channels including food service and e-commerce, and strengthening the Company's position in priority markets while pursuing new opportunities.

Commenting on the approval, HH Prince Naif bin Sultan bin Mohammed bin Saud Al Kabeer, Chairman of the Board of Almarai Company, said: "The approval of this strategy marks an important milestone in Almarai's continued evolution and reflects our confidence in the significant opportunities ahead. We are building from a position of strength, with market leadership supported by trusted brands, world-class capabilities, and a proven track record of achievements. Our strategy is designed to drive the next phase of investment and sustainable growth by strengthening our core categories while expanding selectively into areas where our capabilities and competitive strengths position us to succeed. This ambition is underpinned by a significant investment program, with Almarai planning to deploy more than SAR 15 billion over the strategy period to support capacity expansion, strengthen our capabilities, and enable the next phase of sustainable growth."

He added: "The new strategy provides a clear roadmap that will accelerate value creation over the coming years for consumers, customers, employees, shareholders, and the communities we serve, with ambitions centered on delivering sustainable growth while maintaining financial discipline and resilience. We look forward to sharing our detailed ambitions and the new strategy with investors and stakeholders".

ORFFA STRENGTHENS GUT HEALTH & IMMUNITY EXPERTISE WITH PROFESSOR NADIA EVERAERT

Orffa has appointed Professor Nadia Everaert of KU Leuven to its Scientific Advisory Board, strengthening the company's scientific expertise in Gut Health & Immunity.

Gut health remains one of animal nutrition's most complex challenges. The interactions between nutrition, microbiota, immunity and animal performance continue to evolve, making independent scientific insight essential for improving resilience, health and efficiency.

Professor Everaert is a Professor at KU Leuven's Faculty of Bioscience Engineering and leads the Nutrition and Animal-Microbiota EcoSystems (NAMES) Lab. Her research focuses on intestinal health, microbiota-host interactions, immune development and resilience in poultry and pigs.

"Professor Everaert's expertise will add valuable scientific perspective to our work in Gut Health & Immunity. Her contribution will help us challenge assumptions, identify emerging research priorities and translate fundamental research into applied science for the animal nutrition industry," said Arno van der AA, Director of Marketing and Innovation at Orffa.

"Understanding the relationship between nutrition, the microbiota and the host is fundamental to advancing animal health and resilience. I look forward to contributing to Orffa's Scientific Advisory Board and exchanging knowledge that can support science-based progress in animal nutrition," said Professor Nadia Everaert.

As a member of the Scientific Advisory Board, Professor Everaert will provide independent guidance on emerging research and help shape scientific discussions within Gut Health & Immunity. Her appointment reflects Orffa's commitment to collaboration between industry and academia in addressing global animal-production challenges.



YOUR OMEGA-3 INGREDIENT FOR POULTRY & DAIRY

- Sustainable land-based ingredients
- Excellent shelf life (>15 month stability)
- Consistent Omega-3 nutritional profile
- Patented feed technology
- Ruminant by-pass of >65%



For more information, please contact:

Ahmed Nasr
anasr@otfarms.ca

linPRO®
by O&T FARMS

ADM OPENS NEW DESTINATION MARKETING OFFICE IN NAIROBI, STRENGTHENING PRESENCE ACROSS EAST AFRICA

ADM (NYSE: ADM), a global leader in innovative solutions from nature, announced the opening of a new destination marketing office in Nairobi, Kenya, strengthening the company's ability to connect customers across East Africa with ADM's global supply chain network.

Kenya is one of the region's leading trade hubs for food and feed ingredients and the gateway to the wider region in East Africa. Through its presence in Nairobi, ADM will provide customers across East Africa with access to a broad portfolio of food ingredients, feedstuffs and animal nutrition products, further strengthening its position as a trusted partner for the food and feed industry. The new office brings ADM closer to customers across the region while connecting regional supply chains with global markets.

The office will focus on destination marketing activities including market insights, local merchandising, and storage and distribution capabilities that connect local demand directly to the company's global origination, transportation, logistics and risk management network.

"East Africa is home to more than 500 million people and is a high-growth market, with increasing demand for quality food and feed ingredients and supply chain solutions," said Patrick Heijbroek, vice president, Global Trade and head of origination, EMEA. "We're excited to strengthen our presence in a region that is seeing significant growth across the agricultural and livestock sectors. Through our global network of destination marketing locations, we can connect regional demand with ADM's global origination network."

NUQO BRINGS ITS GLOBAL TEAMS TOGETHER IN POLAND FOR ITS FIRST INTERNATIONAL TECHNICAL AND BUSINESS SUMMIT

NUQO, a pioneer in feed additives, recently held its first international technical and business summit in Poland, gathering colleagues from eight countries: Thailand, India, Brazil, Mexico, the Netherlands, Belgium, Switzerland and France.

Kicked off by CEO Ewenn Helary, the event was a first in the company's history and a rare opportunity for teams from around the world to meet in person.

Led by R&D Director Dr Stephanie Ladirat, the technical sessions reviewed NUQO's current product portfolio and the latest application results from its R&D program. Participants also received a preview of upcoming product launches and future R&D projects, ahead of any public announcement.

Under the guidance of NUQO's four hub directors, Annelies Diericx, Alan Lara, Patcharin Maneeroj and Neeraj Srivastava, the commercial teams took part in review and exchange sessions to align priorities across regions and share best practices.

ALLTECH AND PROGNOSIS BIOTECH WILL COLLABORATE TO ADVANCE MYCOTOXIN-TESTING CAPABILITIES

Alltech, a global leader in animal health and nutrition, announces an alliance with ProGnosis Biotech to strengthen its leading-edge global mycotoxin testing and analysis capabilities. By connecting mycotoxin test results with Alltech™ RAPIREAD™, the collaboration will provide access to data interpretation and actionable insights that support decision-making throughout the feed and livestock value chain.



As mycotoxin risks continue to evolve across regions worldwide, producers and feed manufacturers need access to both rapid testing technologies and localized intelligence to make informed decisions. The collaboration between Alltech and ProGnosis is designed to strengthen mycotoxin monitoring and risk-management capabilities while delivering actionable insights that support the industry globally.

Agriculture continues to face increasing pressure from changing weather patterns, as periods of drought, heat stress and excessive rainfall influence crop quality and create conditions that favor mycotoxin development.

KEMIN ANIMAL NUTRITION AND HEALTH EMENA LAUNCH LYSOFORTE® ENFUSIO IN EMENA

Kemin Industries, a global ingredient manufacturer that strives to sustainably transform the quality of life every day for 80 percent of the world with its products and services, launched LYSOFORTE® ENFUSIO at EuroTier 2026, the world's leading trade fair for livestock production.

LYSOFORTE ENFUSIO is the newest addition to Kemin's LYSOFORTE portfolio of nutrient absorption technologies for monogastric animal nutrition. As the market moves toward less nutrient-dense diets, lipid digestion and absorption remain important levers for performance, but on their own are no longer enough: ENFUSIO complements and uplifts the lipid contribution through improved amino acid digestion and absorption. Built around LYSOFORTE's self-regulating matrix concept, the technology supports consistent performance across different application strategies, from on-top use to diet reformulation, allowing nutritionists and feed formulators to adjust nutrient specifications with confidence.

"LYSOFORTE ENFUSIO reflects where we see the biggest opportunity for our customers today – getting more value out of the nutrients already in the diet, not just adding more," said Dany Morisset, Vice President of Marketing. "As feed costs remain under pressure and diets trend leaner across the region, this is a technology nutritionists can use on top of their current diet or through reformulation, with confidence either way."

The launch is supported by a growing scientific trial program spanning broilers, layers and pigs, and by early customer and field experience in several EMENA markets. Kemin continues to expand this evidence base as ENFUSIO moves from trial to commercial application across the region. The product is available in dry and liquid forms.



DSM-FIRMENICH ANIMAL NUTRITION & HEALTH PREPARES FOR FUTURE AS TWO FOCUSED COMPANIES: NOVIWEST™ AND PANAVORA™

dsm-firmenich announced Noviwest™ and Panavora™ as the names of the two standalone companies that will emerge from the sale of the Animal Nutrition & Health business to CVC Capital Partners.

Subject to completion of the transaction, CVC will acquire the companies, while dsm-firmenich will retain a 20% equity interest in each. Completion remains subject to the conditions described in dsm-firmenich's announcement of 9 February 2026, including applicable regulatory approvals and employee consultation processes.

Every day, billions of people and animals rely on essential ingredients. Ingredients that support health, improve nutrition, and bring color and scent to the world. Noviwest™ builds on a century of expertise in vitamins, carotenoids and aroma ingredients. By producing a wide range of vitamins in Europe, the company helps safeguard global food security and gives customers in the food, feed, fragrance and pharmaceutical industries peace of mind.

As the world seeks more sustainable, efficient and resilient animal protein production, Panavora™ will help customers turn complexity into opportunity. With the world's largest premix distribution network, leading innovative feed additives, and a range of additional services and solutions, including digital products. The company will partner with producers across the value chain to improve animal health, performance and sustainability outcomes. Guided by its purpose of feeding the planet without costing the earth, Panavora™ will help shape the future of animal nutrition through solutions that create measurable value for customers, animals and society.

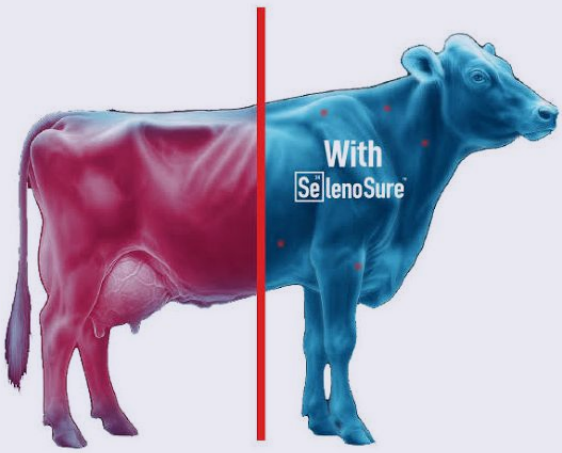
CHEMLOCK NUTRITION LAUNCHES NUTRILOCK® SELENOSURE™ FOR ANIMAL NUTRITION

Chemlock Nutrition announces the launch of Nutrilock® SelenoSure™, the first US-researched selenium source guaranteed to contain 100% L-selenomethionine – the form of selenium that animals absorb directly and store as reserves for times of increased selenium demand.

Because Nutrilock® SelenoSure™ contains only pure L-selenomethionine, animals can utilize it immediately without a conversion step or the associated loss in bioavailable selenium. This consistency stands in contrast to selenium yeast products, whose L-selenomethionine content can vary in every batch, and selenomethionine analog products, which require biological conversion before they can be utilized.

"The form in which selenium is delivered determines how effectively animals can use it," said Dr. Grant Shouldice, Vice President of Chemistry and Innovation. "When you're limited to 0.3 ppm of selenium, every unit matters. Nutrilock® SelenoSure™ gives nutritionists the confidence they are maximizing their selenium supplementation."

Unlike inorganic selenium sources, L-selenomethionine is stored in muscle tissue and gives animals a selenium reserve available during periods of stress, rapid growth, reproduction, or other times when selenium demand increases.



Nutrilock® SelenoSure™ is manufactured under The Chemlock Standard™ quality program and is suitable for use across multiple species.

Why Nutrilock® SelenoSure™

- 100% L-selenomethionine: the bioactive form, guaranteed identical in every batch
- Stored in body tissue so animals have a selenium reserve when they need it most
- Supports immune health, antioxidant protection, and reproductive performance
- Works across multiple species
- Manufactured to rigorous quality standards and backed by The Chemlock Standard™.

AGRITECHNICA AUSTRALIA LAUNCHES IN 2027

With Agritechnica Australia, a new platform for agricultural machinery, agtech and modern production systems for Australian broadacre farming will be launched in 2027. The premiere event will take place from 21 to 23 July 2027 at the Melbourne Convention and Exhibition Centre, Australia. The trade fair is organized jointly by the DLG (German Agricultural Society) and HFA (Hannover Fairs Australia).

With this new platform, DLG is expanding its international network into another major agricultural market. The strategy is to combine the global reach and technical expertise of Agritechnica with the specific requirements of regional markets. Alongside Agritechnica, the world's leading trade fair in Hanover, the Agritechnica Asia trade fair is already established as a platform for Southeast Asia. Australia now adds another important market to this international network.

"Agritechnica stands worldwide for innovation, agricultural machinery and industry exchange in agribusiness. With Agritechnica Australia, we are taking the next step in the development of our flagship brand by creating a platform in a technologically advanced agricultural market," says Jens Kremer, Managing Director of DLG Markets GmbH.

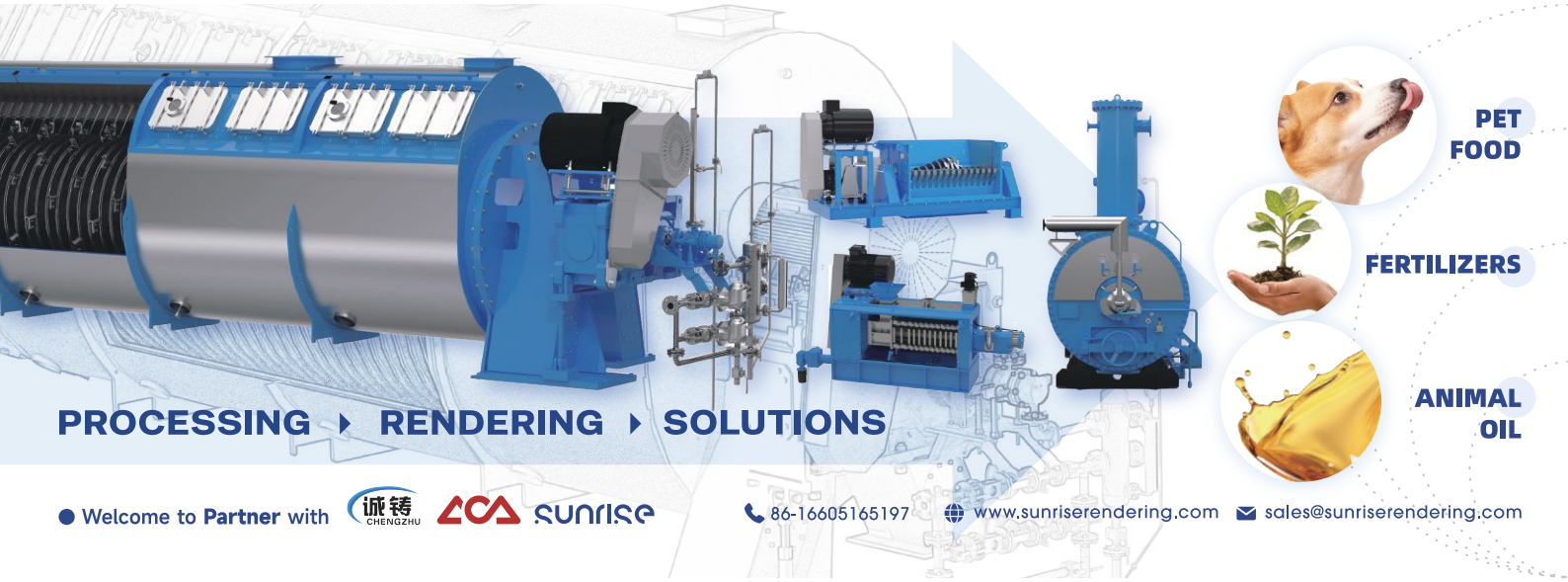
EVONIK PRESENTS THE "POWER OF 65" AND NEW SPECIALTY NUTRITION SOLUTIONS AT EUROTIER 2026

Evonik showcased the "Power of 65", highlighting the superior bioefficacy of MetAMINO®, and new Specialty Nutrition solutions at EuroTier 2026.

The Power of 65 shows how feed producers can reduce input costs, deliveries and CO_2 emissions through more efficient methionine supplementation. Thanks to its superior bioefficacy, just 65 units of MetAMINO® (DL-methionine) can replace 100 units of methionine hydroxy analog products without compromising animal performance. This is supported by the publication of the third edition of Evonik's MetAMINO® ATLAS which brings together findings from 23 trials across species and geographies worldwide.

"Buying on price alone does not tell you what a methionine source is worth in the diet," said Dirk Hoehler, Head of Essential Nutrition at Evonik Animal Nutrition. "With the Power of 65, we want to encourage customers to look beyond the price per ton and ask what they are getting for their investment. We want to spark a real conversation about something that matters to their business."

Lypron® and ZyneXtra™ made their show debut at EuroTier, giving visitors a first look at two additions to Evonik's Specialty Nutrition portfolio. Lypron®, a recently launched rumen-protected lysine for dairy cows, supported precise amino acid balancing and cow performance while helping to improve nitrogen efficiency.

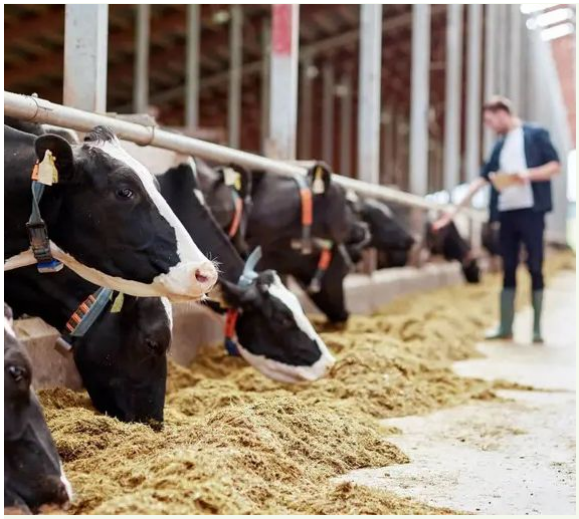


AL DAHRA EXPANDS COMMERCIAL PARTNERSHIPS AND INDUSTRY PRESENCE AT SAUDI AGRICULTURE 2026

Al Dahra Group, headquartered in Abu Dhabi, United Arab Emirates, a global agribusiness focused on sustainable food and feed production has confirmed its commitment to expanding its presence in Saudi Arabia and supporting the continued development of one of the region's most dynamic markets. Participating in Saudi Agriculture 2026 held in Riyadh, Al Dahra has leveraged the Kingdom's leading agricultural platform to engage customers and partners, showcase its capabilities and contribute to discussions on the future of agriculture.

Saudi Arabia represents a key market for Al Dahra, with the company supplying livestock and dairy producers through its diversified sourcing network and portfolio of forage and feed products. With Saudi Arabia consuming an estimated 5 million metric tonnes of forage annually, Al Dahra today supports the market with approximately 17% share of the Kingdom's forage imports, positioning the company among the sector's leading suppliers. Supported by a local presence that includes a Riyadh office, warehousing capabilities and commercial coverage across the Kingdom, Al Dahra continues to work closely with customers across the livestock, dairy and feed sectors. Its offerings include premium European-origin solutions such as Alfapellet, which continue to see strong demand among livestock producers seeking consistent quality, traceability and performance.

A key outcome of Al Dahra's participation was the signing of two Memoranda of Understanding with Saudi companies Dar Al Alaf and Al Mutawa, established players serving livestock and agricultural businesses across the Kingdom. The agreements are expected to support greater market access across key regions of the Kingdom, strengthening the availability of forage and feed products for livestock producers through established regional distribution channels. The agreements were concluded as part of Al Dahra's regional commercial expansion strategy under the leadership of Wissam Abbas, Managing Director of Al Dahra GCC.



IFF LAUNCHES OMNI-BOS™ PHY TO HELP DAIRY PRODUCERS GET MORE VALUE FROM FEED

IFF, a global leader in flavors, fragrances and health and biosciences - announced the launch of Omni-Bos™ PHY, a novel phytase enzyme designed specifically for dairy cattle. The technology helps producers improve nutrient utilization and feed efficiency by unlocking nutrients already present in feed, enabling cows to derive greater value from existing feed ingredients. Omni-Bos™ PHY will initially launch in the Middle East, Africa, Asia-Pacific and Latin America regions.

"We believe the future of dairy nutrition is helping cows receive more value from the nutrients in their feed," said Regina Cortada, vice president, Animal Nutrition & Health for IFF Health & Biosciences. "Our research challenged the long-held assumption that dairy cows fully utilize the phytate contained in feed. We found that phytate breakdown is often incomplete, leaving valuable nutrients unavailable to the animal. Omni-Bos™ PHY was developed to unlock those nutrients and help producers improve feed efficiency, support sustainability goals and increase profitability."

"Traditional phytase enzymes were not designed to withstand the unique digestive conditions of dairy cattle," said Ester Vinyeta, innovation director, Animal Nutrition & Health for IFF Health & Biosciences. "Omni-Bos™ PHY was specifically developed for ruminants and is designed to remain active where it can unlock nutrients that would otherwise remain inaccessible. This enables dairy producers to extract more nutritional value from existing feed ingredients while reducing nutrient losses."

By helping cows utilize more of the protein, phosphorus and minerals already present in feed, Omni-Bos™ PHY can reduce reliance on supplemental phosphorus and protected amino acids while supporting the use of alternative protein sources. The result is improved feed efficiency, lower feed costs and reduced nitrogen and phosphorus excretion.

NOVUS INTRODUCES NEW BIS-CHELATED TRACE MINERAL

The leader in intelligent nutrition announced a new source of organic trace mineral nutrition available for the animal agriculture industry.

RELYZANT™ Bis-Chelated Trace Mineral is the next-generation bis-chelate from NOVUS. Available in zinc, copper, and manganese, the mineral is bound by two lactic acid ligands, forming a stable, neutral molecule that maintains integrity across changes in pH in the gut and interactions with other parts of the diet, ultimately resulting in more mineral being accessible to the animal.

Known for its MINTREX® Bis-Chelated Trace Minerals, NOVUS officials say this latest innovation makes bis-chelated technology more widely available.

"We developed RELYZANT™ in response to our customers' needs," says Abishek Shingote, NOVUS vice president of corporate strategy and innovation. "With more than 500 research trials demonstrating its efficacy, MINTREX® Bis-Chelated Trace Minerals has defined the standard for trace mineral performance. It was designed over 20 years ago for diets that benefit from methionine source HMTBa, a key ingredient. We recognize that many customers today prioritize mineral concentration and flexibility. RELYZANT™ provides the same authentic bis-chelate protection and superior absorption without methionine."

DENKAVIT BECOMES FIRST COMPANY TO ACHIEVE GMP+ FEED LCA CERTIFICATION

Denkavit, a global producer of young animal feed and feed ingredients, is the first company to achieve GMP+ MI5.7 Feed Life Cycle Assessment (LCA) certification. With this certification, the company is taking the next step in providing transparency and verifiable evidence of the environmental impact of its products and processes.

Denkavit has been working for many years on nutritional solutions that contribute to healthy animals and a future-proof livestock industry. In the area of sustainability, the company was already certified according to the GMP+ MI5.5 Carbon Footprint of Feed standard. The introduction of the new MI5.7 Feed LCA standard was therefore a logical next step.



TURKEY CUT-UP AT A ROBUST AND SAFE LEVEL

JBT Marel's ACM-T automated turkey cut-up system has been upgraded with an enhanced housing, improving the robustness and safety and allowing for visual checks.

As industry trends show, turkeys are getting heavier and processing capacities continue to increase. Equipment must be built to handle tougher conditions. That means greater product weights at higher line speeds. At the same time, safety regulations evolve with this trend, demanding more robust solutions. JBT Marel has responded to these challenges with the newly designed ACM-T cut-up system. It is engineered for performance and durability in today's high capacity processing environments and its modules can efficiently cut up to 2,000 turkeys per hour into wings, breasts, legs, drumsticks, and necks.

The metal structure of the ACM-T has been reinforced to comply with the most stringent technological regulations. Aluminum is not used; all metal components are made of stainless steel, improving the stability, reliability and longevity of the equipment.

As before, the ACM-T provides virtually unlimited layout options and production flexibility, delivering high yield, A grade cuts tailored to specific market requirements. No matter which or how many cutting modules are installed in the ACM-T, the entire system is now enclosed with mesh fencing. This design allows for visual inspection of the module settings. An operator can check from outside the fencing whether, for example, the stepless height adjustment of the front half cutter or the drum-thigh cutter requires correction. If necessary, doors in the fence can be opened to fine-tune a module for the specific flock of turkeys passing through the ACM-T at that moment.

The mesh fencing also creates a closed environment that prevents access to the modules and avoids unintentional operator interference. It complies with the latest CE regulations and safety requirements for processing environments. This means the fencing extends all the way to the floor, instead of leaving an open space between the floor and the bottom of the equipment.



OLAM AGRI ENTERS RUMINANT NUTRITION MARKET WITH LAUNCH OF TRU VALUE CATTLE FEED RANGE

Olam Agri has entered the ruminant nutrition market with the launch of its Tru Value cattle feed range, marking a significant expansion of its Integrated Feed & Protein (IFP) business. The launch broadens the company's feed portfolio beyond poultry and aquaculture, strengthening its position as a provider of nutrition solutions across key livestock sectors.

Tru Value was launched at an event in Nigeria, where Olam Agri already has a strong presence in poultry and aquaculture feed production. The country is one of Africa's largest livestock markets, with rising demand for animal protein and ongoing efforts to improve herd productivity, creating new opportunities for commercial cattle farming.

The launch event in Kaduna State was attended by the Honourable Minister of Livestock Development, Alhaji Idi Mukhtar Maiha, along with government officials, commercial farmers, livestock industry stakeholders, development partners, distributors and members of the media.

Olam Agri's entry into ruminant nutrition marks an important milestone in the evolution of its feed business. Having built strong capabilities in serving poultry and aquaculture farmers, the company is now extending its expertise to support the development of more productive and sustainable cattle farming systems.

Nigeria is the first market for this expansion, with significant opportunities to help livestock farmers improve performance, strengthen food security and create greater value across the beef and dairy value chains.

EW NUTRITION LAUNCHES PRETECT MAX AT EUROTIER 2026

EW Nutrition launched Pretect Max, a complex natural solution that supports broiler gut health in the starter phase (days 0-21), when coccidial challenge builds, and can be continued to slaughter under sustained high challenge.

In coccidiosis, ionophores and chemical anticoccidials act on a single target, vaccines need time to build immunity, and none of them fully address what the parasite leaves behind: damaged gut lining, dysbiosis that opens the door to opportunistic bacteria, and subclinical losses that surface as poorer feed conversion.

Pretect Max answers with a complex formulation built on three complementary modes of action building resilience against the challenge, plus a phytomolecule complex that supports mucosal recovery and antioxidant defense. Thus, multiple targets lower the risk of resistance compared with single-target compounds.

In controlled floor-pen trials and commercial trials run between 2023 and 2026, Pretect Max helped reduce oocyst output, showed lower lesion scores than a reference chemical coccidiostat, and improved FCR, demonstrating that supporting gut health under challenge brings overall performance benefits, at solid ROI even when applied on top of a conventional program.

COBB-VANTRESS ANNOUNCES GLOBAL LEADERSHIP TRANSITION

Cobb-Vantress, LLC, a global leader in poultry genetics, announced a strategic leadership transition that reinforces the company's commitment to serving customers around the world while continuing to strengthen its global operations.

Will Sawyer, currently Vice President of Global Business Operations, will assume responsibility for Europe, Middle East, Africa (EMEA) and Asia-Pacific (APAC). In this expanded role, Sawyer will provide strategic leadership across these international business operations while continuing to oversee the company's IT, planning and strategy functions.

Supporting this leadership structure, Dominic Smith will become General Manager, EMEA, and Youngho Hong will become General Manager, APAC, both reporting to Sawyer. Smith and Hong bring extensive regional expertise, strong customer relationships and proven leadership experience that will help advance Cobb's mission and support customers across their respective markets.



LOUIS DREYFUS COMPANY INAUGURATES GRAIN STORAGE FACILITY IN MULTAN, PAKISTAN

Louis Dreyfus Company (LDC) announced the inauguration of its new grain storage facility in Multan, its first owned industrial site in Pakistan, adding approximately 40,000 metric tons of grain storage capacity in South Punjab to LDC's logistics capabilities in the country.



"Pakistan is an important market for grains and a key destination for LDC in South Asia, where growing populations and economies rely on strong, connected agricultural supply chains and trade flows," said Rubens Marques, LDC's Head of South & Southeast Asia. "This investment in Pakistan strengthens our presence in the domestic market as well as our ability to meet evolving customer needs in the region, in line with LDC's global strategy to further reinforce its core merchandizing capabilities."

Pakistan is one of South Asia's major agricultural markets, and among the world's largest producers and consumers of wheat, with demand underpinned by a growing population of more than 250 million. Since establishing its presence in Pakistan in 2010, LDC has built up its position in the country's cotton, grains, oilseeds, pulses, rice and sugar markets, including a strong position in wheat.

"Pakistan's strong agricultural base and growing demand for grains continue to create opportunities for our business in the country," said Muhammad Danyal, LDC's Country Head for Pakistan and Head of Grains & Oilseeds for Pakistan. "Investing in logistics infrastructure enhances our service to both suppliers and customers, supporting more efficient and resilient supply chains as Pakistan's grains sector continues to develop, while contributing to local job creation."

BIOMAR LAUNCHES THE NEXT ERA OF FEED FORMULATION WITH BIORETAIN

BioMar has launched BioRetain, the next step in the company's approach to feed formulation, building on almost three decades of research and development. The new formulation concept is designed to improve nutrient utilisation while giving greater flexibility in the raw materials used to deliver high-performing feed solutions.

Aquafeed formulations have changed significantly over the past two decades as nutritional knowledge has advanced and the range of available raw materials has expanded. BioMar has continuously developed its formulation approach alongside these changes, with research increasingly focused not only on the nutrients provided through feed, but on how efficiently they are utilised by the animal.

BioRetain builds on this research by applying balanced functional nutrition to improve nutrient utilisation and retention, helping direct more of the nutrients provided through feed towards growth. This approach also creates greater flexibility in formulation, reducing dependence on individual raw materials while maintaining a strong focus on biological performance.

"BioRetain represents an important step in how we develop feed solutions for the future," says Carlos Diaz, CEO of BioMar Group. "Greater formulation flexibility strengthens our ability to respond to changes in raw material availability while continuing to deliver the biological performance and feed efficiency our customers expect."

BioRetain has been developed through years of research and trial work. Multiple trials have demonstrated opportunities to improve growth, feed conversion and nutrient utilisation while adapting to farming conditions, as well as maintain performance with lower digestible protein levels in certain applications.

IPMC 2027 TO BRING THE GLOBAL POULTRY INDUSTRY TOGETHER IN ANTALYA

Organized biennially since 2011 by the Turkish Poultry Meat Producers and Breeders Association (BESD-BİR), the International Poultry Meat Congress is preparing for its eighth edition. Taking place at the Titanic Deluxe Golf Belek Hotel in Antalya on 14–18 April 2027, IPMC 2027 will bring together scientists, industry representatives and technology experts from around the world under the vision "Next-Gen Poultry: Towards 2030" and the scientific theme "Efficient and Precision Poultry Production."

First held in 2011, the International Poultry Meat Congress has evolved into an international platform that strengthens knowledge exchange and collaboration between the scientific community and the poultry industry.

The 7th International Poultry Meat Congress, held in 2025, welcomed 900 participants from 33 countries. Bringing together international expertise to address scientific and technological developments, industry challenges and potential solutions, the congress further strengthened its position as a key meeting point for the global poultry sector.

Building on this experience, IPMC 2027 will focus on the developments and innovations shaping the future of poultry meat production.

Growing protein demand, climate change, the need for efficient resource utilization and rising production costs are making productivity and technological transformation more important than ever for the poultry meat industry.

VACCINATION AGAINST AVIAN COCCIDIOSIS: HUVEGUARD® MMAT AND THE SUPPORT OF B-ACT®

The disease is caused by protozoan parasites of the Eimeria type which, even in modern production systems, still require proper control.

In addition, coccidiosis is also one of the main triggers of other gastrointestinal disorders such as necrotic enteritis and dysbacteriosis, further highlighting the importance of proper control.

The HuveGuard® MMAT vaccine contains four attenuated strains of Eimeria (E. maxima, E. mitis, E. acervulina, and E. tenella), carefully selected to achieve a sufficiently high reproductive potential to achieve a high immunogenic potential.

A good example of such a product is B-Act®, a probiotic additive containing viable spores of a unique and exclusive strain of Bacillus licheniformis (DSM 28710).

A study was conducted in pens with 110 male Ross broilers to investigate the impact of vaccination with HuveGuard® MMAT alone or in combination with B-Act®.

The HuveGuard® vaccine was administered via eye drops to ensure that all birds were vaccinated with the correct dose, while B-Act® was incorporated into the feed (0.5 kg B-Act®/ton of feed).

The combination of HuveGuard® with B-Act® resulted in a reduction of the feed conversion ratio by 0.14 points, while Eimeria lesions were less on days 22 and 29 after vaccination when the animals had received B-Act®.

At the same time, dysbiosis scores and plantar lesions were also lower in the B-Act® groups. Therefore, the beneficial impact of B-Act® on intestinal health and productive parameters of the animals during coccidiosis vaccination was clear.



EMIRATES BIOTECH AND UAE UNIVERSITY LAUNCH UAE'S FIRST INTEGRATED ORGANIC-WASTE VALORIZATION PILOT PLANT

Emirates Biotech and United Arab Emirates University (UAEU) have launched a joint research project to design, build, and operate the UAE's first integrated organic-waste valorization pilot plant. Mixed food waste streams containing compostable packaging will be converted to renewable biogas and nutrient-rich compost.

The partnership was officially launched at UAE University in Al Ain in the presence of key value chain stakeholders, including the Emirates Environmental Group, Hotpack, AW Rostamani Group (VerraPak), Tadweer Group, University of Sharjah, and Pacogreen.

Located near the UAEU campus in Al Ain, the pilot plant will process up to 40 kg of organic waste per day. The project will develop technical and operating guidance to support the potential scale-up of the model in the UAE and beyond.

In the UAE, food waste accounts for nearly 40% of daily municipal solid waste, with much of it disposed of in landfills. At the same time, traditional plastic packaging heavily contaminated with food residues can be more difficult to recycle. The project will explore how food waste and compostable packaging can be processed together to recover valuable resources, while helping divert waste from landfill.

Dr. Rami, Associate Provost for Research, UAEU stated: "At UAEU, we believe that solving societal and environmental challenges requires strong collaboration between academia and industry. Our partnership with Emirates Biotech demonstrates how research and innovation can be translated into practical, scalable solutions that support the UAE's sustainability goals."



SKRETTING UNVEILS INNOVATIVE FEEDING SOLUTIONS FOR EARLY-STAGE SHRIMP

At Skretting, the company believes that the foundations of success are built during the earliest stages of life. Through its LifeStart portfolio, Skretting combines science, technical expertise and production insights to develop innovative solutions for shrimp during their earliest life stages. Today, that commitment is reflected in the launch of three new products in the Ecuadorian market: InVita, Ignis and Optiline Starters, designed to bring a new approach to shrimp nutrition and create new possibilities for the industry.

Developed for use alongside Skretting's dry feed Elevia during larval to early post-larval stages, InVita is a liquid feed supplement that represents a new approach to shrimp larval feeding. It helps hatcheries achieve a more resilient feeding programme, supporting performance and operational consistency.

The ready-to-use solution acts as a feed stimulant and mimics valuable live feed functions. Powered by proprietary production expertise, its buoyant sponge-gel micro beads provide targeted gut hydration, remain available in the water column and encourage feed uptake.

The development of InVita follows an extensive process of research and development, engineering and validation across multiple hatchery settings. The liquid feed is produced using a "Factory in a Box" production platform, developed in Belgium exclusively for this purpose and located now in Ecuador. The proprietary product is the result of an extensive validation programme that included more than 15 trials, over 100 in vivo tests, and validation studies in Ecuador, Vietnam, Belgium and Mexico.

"The biggest shifts in an industry rarely come from a product alone. They happen when people recognise a better solution and want to be a part of it. InVita is designed to help hatcheries move towards a new approach to feeding: simpler, more controlled and built for the future. More than a new product, InVita is an invitation to challenge convention and rethink hatchery production", said Eamonn O'Brien, Global Product Manager LifeStart at Skretting.

SPACE 2026 CLOSES ITS DOORS ON A 40TH EDITION THAT LIVED UP TO ITS AMBITIONS

SPACE, the global Show for all animal farming, closed its doors on 17th September at Rennes Parc-expo, after three days marked by the loyalty of exhibitors and visitors.

The return of the animals (700) featured a comprehensive program. Meetings, debates, proposals for concrete, tailored solutions, and a friendly atmosphere summed up the three-day program.



This year, SPACE chose to address the issue of water in the "Espace for the Future". This theme proved particularly appealing to visitors and industry professionals.

This 40th edition was inaugurated by Annie Genevard, Minister of Agriculture, Agri-Food, and Food Sovereignty, who came to express the government's support for agricultural professionals and to reiterate how indispensable SPACE remains for this sector, both in France and internationally.

"As this latest edition comes to a close, I want to highlight one thing: our trade show has fully fulfilled its role as a venue for discussion, networking, and knowledge-sharing in the agricultural sector", emphasized Didier Lucas, President of SPACE.

SPACE 2026 by the numbers:

- Attendance identical to 2025: 100,107
- 1,019 exhibitors, one-third of whom were international
- 5.7 million views on social media since June 1, 2026. A 104% increase in interactions. These figures confirm the strong digital visibility of this edition.

SPACE is already looking forward to welcoming the entire industry from September 14 to 16, 2027, for its 41st edition, which is already looking ahead to the next forty years.

CARGILL INVESTS USD 130 MILLION TO EXPAND POULTRY OPERATIONS IN ASIA

As global protein demand and consumer appetite for high-quality cooked poultry products continues to accelerate, Cargill is investing over USD 130 million over the next two years to expand its poultry operations across Asia. The investment encompasses capacity and efficiency enhancements across Cargill's entire poultry network in Thailand and the Philippines and will help strengthen supply chain resilience, enhance food safety, quality and innovation for its foodservice and retail customers globally.

A key component of the investment is the deployment of advanced technologies to optimize both production processes and cost, besides expanding the production capacity in Thailand. The initiative includes a new automated cooked chicken production line at Cargill's poultry processing plant in Saraburi, expected to be completed in 2028. Over next two years, the company will be making significant technological upgrades, incorporating state-of-the-art machinery and integrating Artificial Intelligence (AI) into data processing to drive faster, more accurate decision-making. Furthermore, these technological advancements will elevate the efficacy of the company's rigorous food quality and safety management systems.

The company currently exports cooked poultry products from Thailand, its strategic poultry export hub to Japan, Europe, Asia and North America. With this expansion, Cargill's total cooked volume is expected to increase to approximately 160,000 metric tons, generating a total of THB 25 billion in export value for Thailand annually and creating more than 300 jobs for local communities.

In addition, Cargill is constructing a new 30,000 metric ton grain silo in Thailand to enhance raw material storage capability and provide greater flexibility in grain procurement throughout the year, while creating additional income opportunities for local farmers beyond the traditional harvest season. Following the groundbreaking this year, this facility is expected to be completed by early 2027.

MULTIFAN VENTURON:

SETTING A NEW STANDARD IN TUNNEL VENTILATION

In hot climates, effective ventilation is essential for poultry welfare and productivity. The new 57-inch (145 cm) Multifan Venturon delivers powerful airflow, energy efficiency and long-lasting reliability, offering an unbeatable balance of price, performance and quality.

Industry-leading performance for hot climates

In regions like the Middle East, extreme temperatures challenge poultry production. Effective tunnel ventilation helps remove excess heat, reduce heat stress and maintain consistent airflow throughout poultry houses, supporting bird welfare and performance.

Developed specifically for tunnel ventilation, the Multifan Venturon delivers powerful, consistent airflow even in demanding conditions. Its aerodynamic design makes it an ideal solution for poultry operations in hot climates.

Independently tested at BESS Lab, the Venturon ranks among the top performers in its class compared to leading agricultural exhaust fans.

High airflow. Maximum efficiency. Built to last.

The Venturon combines powerful airflow and energy efficiency with durable construction for demanding poultry environments. Available in versions optimized for high airflow or maximum efficiency, it offers the flexibility to meet different ventilation needs.

For additional energy savings, **Vplus technology,** combined with a variable frequency drive, enables efficient ventilation control. Corrosion-resistant materials and reliable motor technology ensure long-lasting performance, even in humid, dusty and ammonia-rich conditions.

An unbeatable balance of price, performance and quality

The Multifan Venturon combines industry-leading performance, durable construction and pricing in one powerful ventilation solution. Offering exceptional value without compromising on quality or reliability, it provides poultry producers with a cost-effective solution for demanding climates.

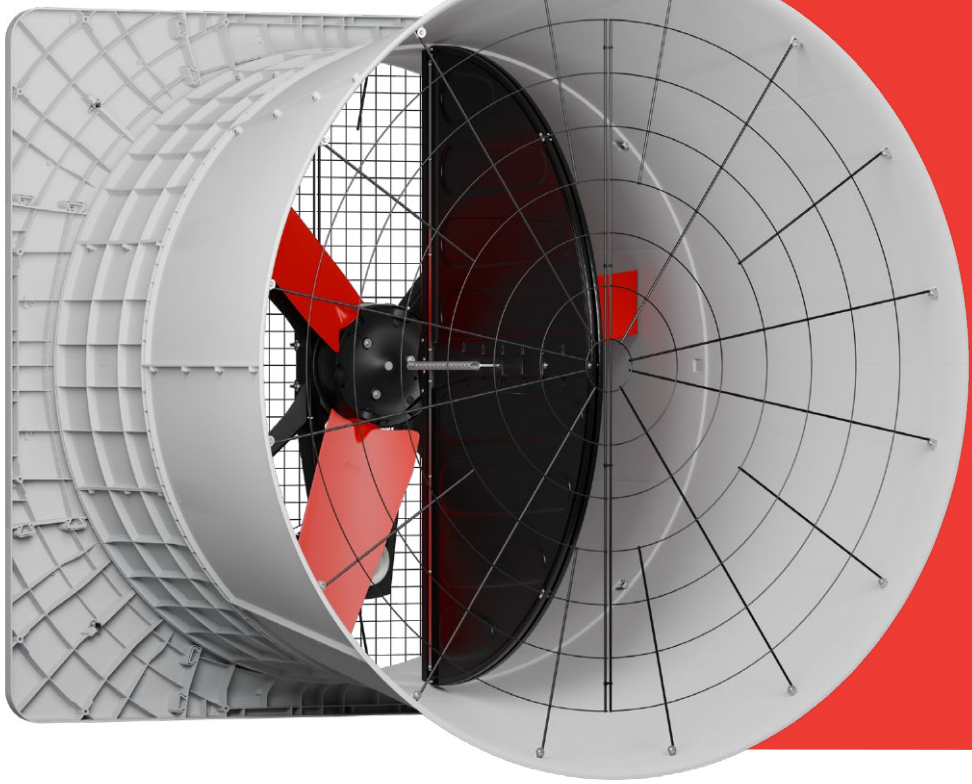
Its smart kit design enables efficient shipping and straightforward assembly, making it well suited for poultry projects across the Middle East.

Vostermans Ventilation – Your specialist in air.

Visit our webpage for more information and our product video.

vostermans.com/venturon

Certified by BESS LAB University of Illinois

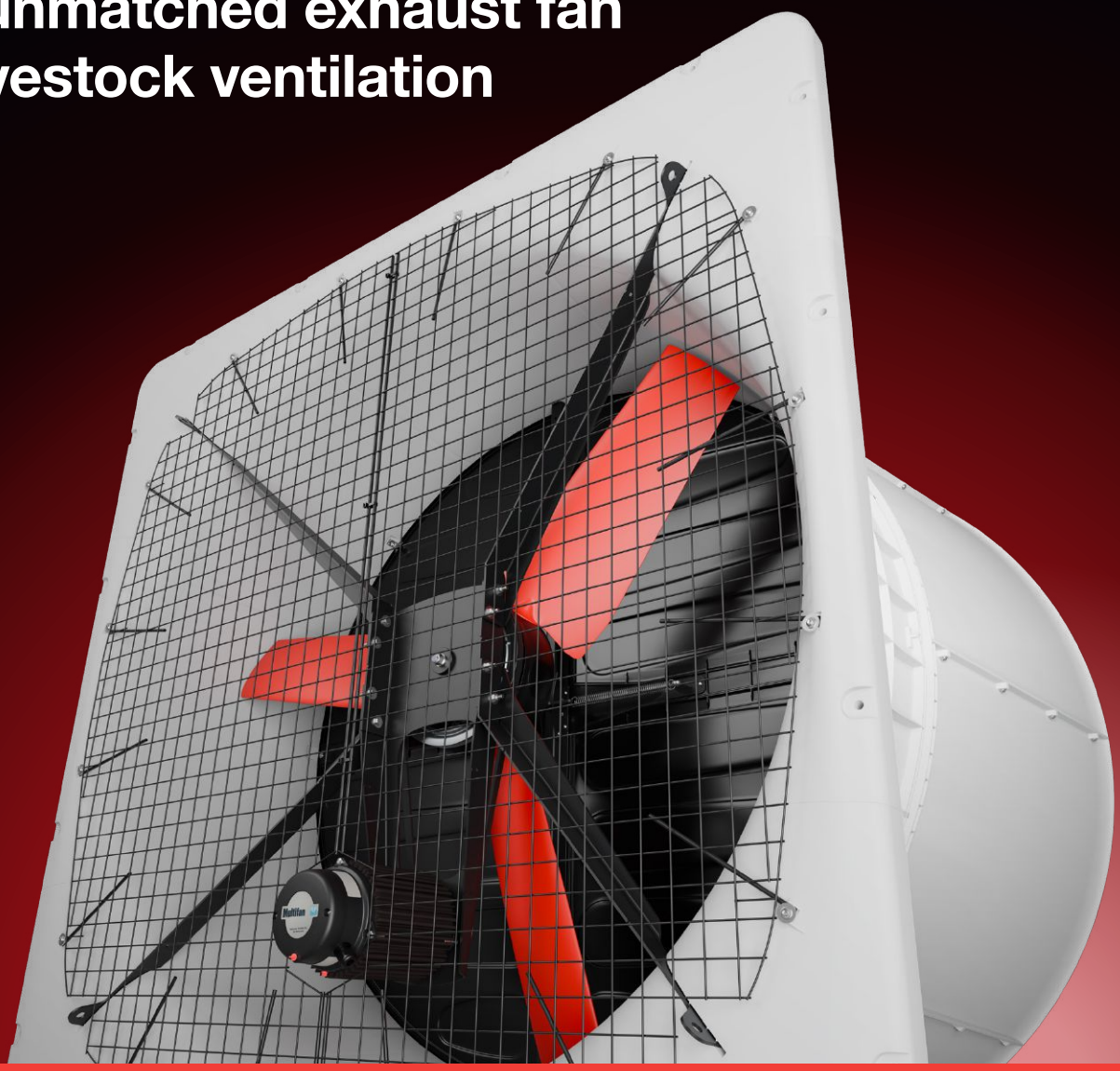


NEW

Multifan

Multifan Venturon

The unmatched exhaust fan for livestock ventilation



✓ **Robust housing made of high performance polymer**

✓ **Extremely efficient**
Outstanding performance certified by BESS Lab

✓ **Unbeatable balance of price, quality and performance**

Available now!
Learn more about the Multifan Venturon.

www.vostermans.com/venturon



ACOLID MARKS 40 YEARS AS INDIAN RIVER DISTRIBUTOR IN JORDAN

Aviagen® Türkiye, Middle East & Africa (TMEA) is celebrating 40 years of collaboration with Acolid, recognizing its role in representing the Indian River® breed in Jordan and contributing to the development of the country's poultry sector.

Acolid's Grandparent (GP) project in Jordan plays an important role in supporting poultry production through the supply of high-quality parent stock (PS) chicks.

Established in 1974 within the framework of the Council of Arab Economic Unity of the League of Arab States, Acolid was created within the broader objective of developing livestock production and contributing to food security across the region.

Since beginning operations in 1977, the company has established and managed 38 projects and investments across 11 countries. Its activities span poultry, red meat, dairy and feed production, alongside the transfer of modern technologies and provision of technical and economic expertise.

The GP project forms an important part of this regional network and has developed into a key operation for the production and distribution of PS chicks.

Building on the resilience, adaptability, and consistent performance of the Indian River breed, Acolid and Aviagen strengthen their relationship through knowledge exchange and customer support. Aviagen specialists regularly work alongside the Acolid team, providing support and sharing the latest developments in poultry breeding and management. Acolid team members also participate in structured training programs designed to strengthen expertise and help maximize the genetic potential of the Indian River breed.

"Our longstanding relationship has played an important role in the development of the GP project. Access to Indian River genetics, combined with continued knowledge exchange and training, has helped us strengthen our capabilities and the service we provide to our customers. We are proud to celebrate this milestone and remain committed to supporting the advancement of poultry production in Jordan and the wider region," commented Mohammed Mirza Jasim, General Manager, Acolid.

Kayhan Gursel, Senior Commercial Manager, Türkiye, Middle East & North Africa (TMENA), added: "This anniversary is a testament to Acolid's commitment to the Indian River breed and to the customers it serves. Over the decades, we have built a strong foundation of knowledge, experience and collaboration. We congratulate the Acolid team on this important milestone and look forward to building on our shared achievements in the years to come."

For more information, please visit www.aviagen.com, or follow Aviagen on LinkedIn.



LAMISSURE®: THE GUT HEALTH SOLUTION

STRONG GUT. STRONGER PERFORMANCE.

Gut health is the hidden engine of poultry productivity, directly driving nutrient utilization, intestinal function, and overall flock performance. In broiler chickens, poor gut health can reduce growth performance and feed efficiency, increase mortality, and lead to substantial economic losses for the poultry industry. With growing concerns over antimicrobial resistance (AMR), there is an increasing need for effective, safe, and residue-free alternatives to antibiotic growth promoters. That's where Lamissure®, a phytogenic gut health solution from Nutranovel Additives, comes in.

Why gut health matter?

- A weakened gut barrier increases the risk of pathogen entry and intestinal damage.
- Microbial imbalance can increase pathogenic bacteria and reduce beneficial microflora.
- Poor nutrient utilization can compromise gut function, villus health, and overall animal performance.

LAMISSURE®, a proven phytogenic gut-health solution developed by Nutranovel Additives, is engineered precisely around this multi-target concept. **LAMISSURE®** achieves intestinal protection through three distinct properties:

- **VirtuSeal™:** Focuses on epithelial integrity, where sialylated mucin strengthens the epithelium and supports tight junction function.
- **Pseudo Probiotic Effect™:** Promotes a highly favourable microbial environment in the gut.
- **Feed Nutrient Sparing Effect & Cellular Repair:** Enhances nutrient efficiency while actively supporting intestinal tissue repair.

For poultry producers looking to maximize flock resilience and performance, **LAMISSURE®** delivers a complete, science-backed advantage.

PARTNER WITH NUTRANOVEL

As a feed distributor, grow your portfolio with Nutranovel and offer your customers a complete range of science-backed phytogenic solutions. Discover innovative phytogenic feed additives such as LAMISSURE®, LAMISSURE® Plus, Immunance®, Nutra 1, Nutra 8, ProKooL® and Metasync—solutions that express naturally to support modern animal nutrition.

For more information, visit https://www.nutranovel.com/

IN OVO VACCINATION MYTHS COULD BE COSTING HATCHERY PERFORMANCE



A Zoetis Hatchery Health Team member prepares sanitation solution for an Embrex® BioDevice system

In ovo vaccination is being more widely used in hatcheries around the world. As a valuable technology, it offers early protection against prominent disease challenges and helps address labor shortages and workforce turnover issues. However, in ovo vaccination misconceptions can lead hatcheries to focus on the wrong problems or overlook the real problems altogether.

Drawing on experiences from hatcheries around the world, members of the Zoetis Hatchery Health Team say many of the challenges they investigate are not caused by the technology itself but by small process breakdowns that accumulate over time.

"Our job is to get to the root cause," said Joshua Deines, PhD, technical service device lead at Zoetis. "Many of the situations we encounter are remarkably similar regardless of where the hatchery is located."

Myth No. 1: Stopping in ovo vaccination will improve hatchability

Anytime hatchability declines, hatchery managers want to identify the source of the issue; in ovo vaccination often is an area of heightened interest.

In one example Deines shared, a U.S. hatchery experiencing significant staff turnover temporarily stopped vaccinating after hatch rates declined. Hatchability initially improved, reinforcing the perception that vaccination had been the problem. But a deeper investigation told a different story.

Process evaluations revealed inconsistent practices around equipment maintenance,

sanitation practices, vaccine handling and operator training. The evaluation demonstrated that in ovo delivery was not the cause of the issue.

After retraining personnel, improving process controls and strengthening routine maintenance, the hatchery restored hatch rates and ultimately became one of the company's top-performing facilities, Deines explained.

This experience is not uncommon and reinforces an important lesson that poor execution can compromise any hatchery process. Rather than removing in ovo vaccination, experts recommend identifying the operational factors that may be affecting consistency.

Myth No. 2: Every crack originates during vaccination

Transfer cracks are another frequent concern. But Deines explained how in ovo vaccination is only one piece of a much larger egg handling picture.

He pointed to case studies that found cracks can originate well before eggs ever reach the vaccination equipment. Microcracks from breeder farms, worn transport buggies, damaged flats, bent transfer spoons and rough handling all contributed to shell damage.

"Once an egg already has a compromised shell, it becomes more susceptible to additional cracking throughout incubation and transfer," Deines said.

By evaluating egg quality, equipment condition and handling practices across the entire hatchery and not just during vaccination, one hatchery reduced transfer cracks from more than 9% to below its company target within weeks.

The takeaway is that successful troubleshooting requires looking beyond a single piece of equipment and understanding how each step in the process influences the next.

Myth No. 3: Similar PFU concentrations equal similar protection

Another misconception centers on vaccine dosing. According to Nicky Love, global hatchery veterinarian and technical services manager at Zoetis, some hatcheries assume vaccines with higher plaque-forming unit (PFU) values can simply be diluted further to increase the number of doses.

In reality, PFU values cannot be compared directly across manufacturers, and deviating from manufacturer recommendations can result in underdosing and reduced protection. Proper vaccine storage, thawing, mixing and timely administration are equally important to maintaining vaccine integrity after reconstitution.

Following validated protocols helps ensure hatcheries receive the protection they expect from their vaccine investment.

Myth No. 4: Skipping cleaning steps saves time without consequences

Hygiene practices and sanitation cannot be overstated in the hatchery, especially not in the spirit of saving time. To expand on this misperception, Love recalled another European case study.

To save time, hatchery personnel began running two AM cleaning cycles rather than completing both the recommended AM and PM cleaning sequences. The PM cycle includes detergent designed to remove organic material that sanitizers alone cannot penetrate. Without it, biological debris accumulated on equipment, increasing contamination risks and contributing to higher late-embryo mortality.

Retraining employees, restoring proper cleaning procedures and reducing the use of floor eggs returned hatchability and chick quality to expected levels.

Looking beyond the equipment

All these examples point to a common takeaway: Reliable in ovo vaccination outcomes depend on reliable processes surrounding it.

Routine process evaluations, employee certification, equipment maintenance and quality control provide hatcheries with opportunities to identify risks before they affect flock performance. These activities also become increasingly valuable as labor shortages and workforce turnover create knowledge gaps within hatchery operations.

Separating fact from fiction is ultimately about helping hatcheries maximize one of their largest bird health investments. When vaccines are supported by disciplined processes, trained personnel and continuous technical guidance, hatchery managers are setting a solid foundation for flock health and hatchery performance.

For more information, visit www.zoetis.com

Disclaimer: The case studies presented are for illustrative purposes only. They are based on generalized scenarios and do not necessarily reflect the experiences of actual customers.



Figure 1. Imustim

IMUSTIM

STRATEGY FOR OPTIMIZING VACCINE-INDUCED IMMUNITY

Vaccination involves administering a vaccine to livestock to stimulate the development of immunity (antibodies), thereby helping prevent disease infection. Whether vaccination successfully produces antibody titers at protective levels depends on many factors, including vaccine quality, the flock health status, the vaccination method, the vaccinator's skill, and environmental conditions (pathogens and biosecurity). Among these factors, vaccination failure is commonly associated with a decline in the chickens' health status due to stress or immunosuppressive agents.

Compromised flock health also indicates that both specific and non-specific immune defenses may be unable to function optimally against external pathogens. This may be caused by reduced macrophage activity or decreased production of humoral and cellular immune responses in the chickens' bodies. To restore macrophage activity and the production of immune substances (antibodies), chickens need an appropriate, balanced diet, and factors that cause stress or immunosuppression should be minimized. However, because it is difficult to avoid stress and immunosuppressive factors, additional supplements may be needed. These may include vitamins, minerals, electrolytes, amino acids, premixes, and immunostimulants.

Immunostimulant

One way to help prevent immunosuppression is to administer immunostimulants. An immunostimulant is a substance that enhances the activity of the

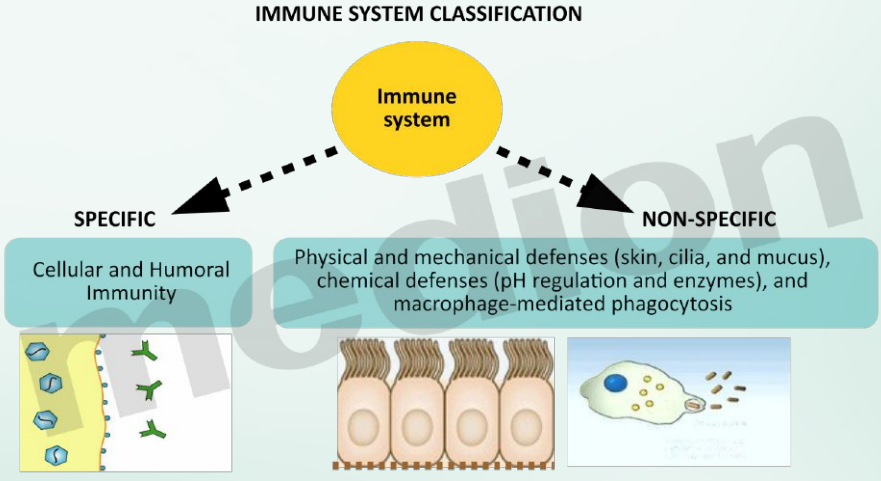


Figure 2. Immune System Classification

medion

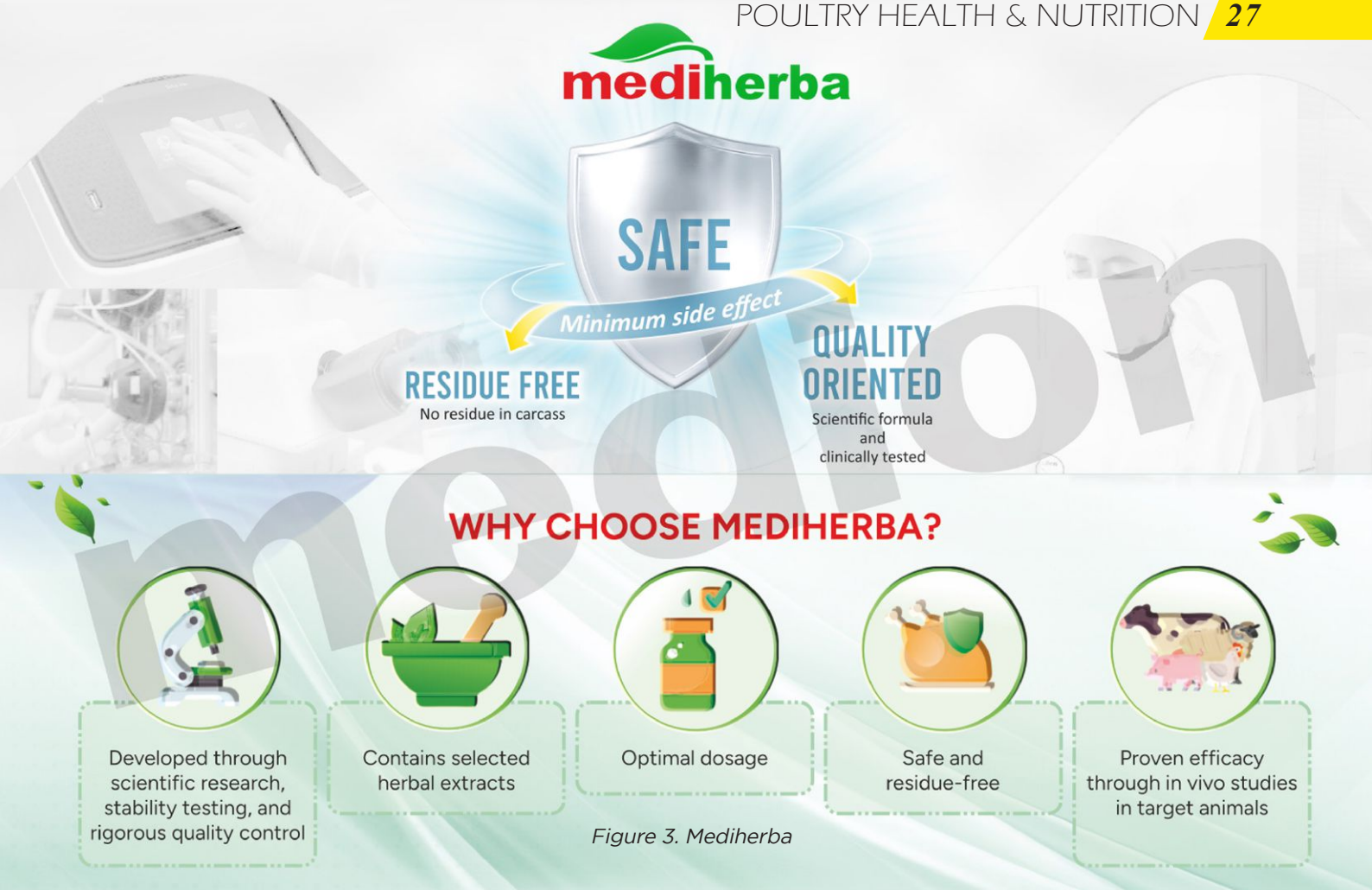


Figure 3. Mediherba

immune system. In this context, immunostimulants:

- Stimulate chickens to produce more humoral immunity (B lymphocytes) and cellular immunity (T lymphocytes)
- Increase macrophage phagocytic activity

By administering immunostimulants, chickens' immunity and resistance improve, helping prepare the immune system to respond to pathogens, bacteria, and other pathogenic microorganisms that enter the body. One source of immunostimulants is plant extracts.

Indonesia has an estimated 300,000 plant species, around 26% of which are cultivated. Plants are not used only for human health; many poultry farmers now also use plants as natural remedies for their livestock. The purposes vary, including stimulating appetite, promoting growth, reducing litter odor in poultry houses, improving egg production and quality, treating sick animals, and enhancing livestock immunity as an immunostimulant.

Optimizes Animal Health with Herbal Products

Recognizing the increasing preference for natural remedies, Medion offers Mediherba - herbal products that promote animal well-being and minimize the risk of side effects associated with chemical-based alternatives. Our herbal solutions address the root causes of ailments, aligning with regulations aimed at curbing antimicrobial resistance. By embracing natural remedies, we contribute to producing healthier livestock and improved production sustainability.

Imustim is one of Mediherba's

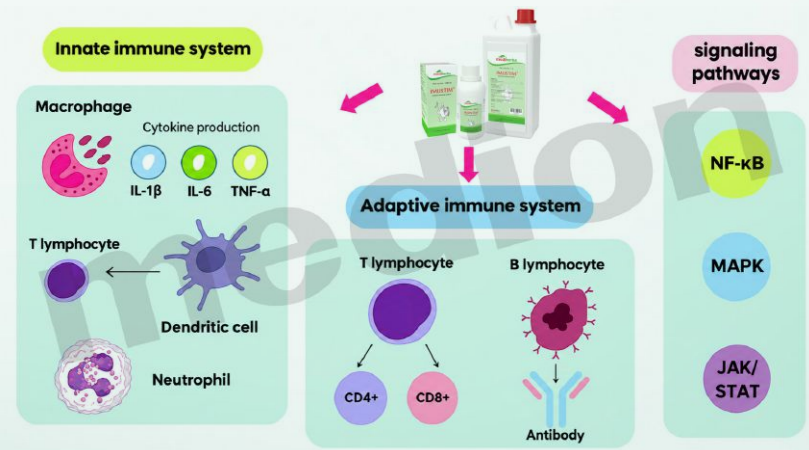


Figure 4. Mechanism of Action of Imustim (Source : Trivadila et al., 2025)

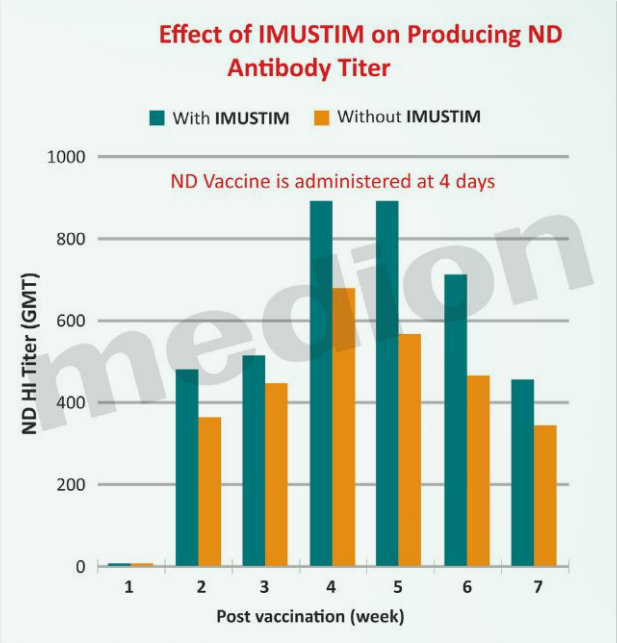


Figure 5. Antibody Titer of ND

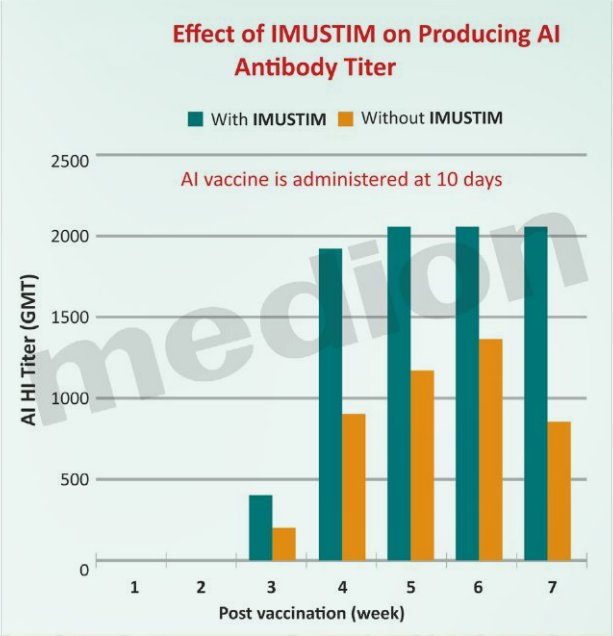


Figure 6. Antibody Titer of AI

Note : Figure 5 : Active and inactive ND vaccines were administered at 4 days to SPF chickens (Specific Pathogen Free)
Figure 6 : AI vaccine was administered at 10 days to SPF chickens
Imustim was administered for three consecutive days before and three consecutive days after vaccination

products. It contains a herbal extract which supports the immune system (immunostimulant activity) by increasing lymphocyte proliferation, cytokine production (IL-6, IFN-γ, TNF-α), and macrophage phagocytosis, while suppressing the expression of NF-κB and the JAK/STAT and MAPK pathways. These processes are involved in stimulating the immune system to fight foreign substances that attack poultry, as shown in Figure 4.

Animal trials conducted by Medion's Laboratory and Animal Testing team (2016) showed that administering Imustim before and after vaccination was effective as an immunostimulant, supporting an earlier increase in vaccine-induced antibody titers (Figure 5 and 6). Imustim also helped accelerate the increase in vaccine-induced antibody titers when vaccination schedules were intensive, a situation associated with immunosuppression, as shown in Figure 7.

For optimal vaccination results, Imustim should be administered for 3 consecutive days before and 3 consecutive days after vaccination. Imustim is safe for long-term use and can be administered together with medicines or vitamins. It may also be given for 5 consecutive days when chickens are affected by disease to help accelerate recovery. Based on the in vivo testing described above, Imustim is concluded to be an effective herbal immunostimulant for enhancing vaccine-induced immunity.

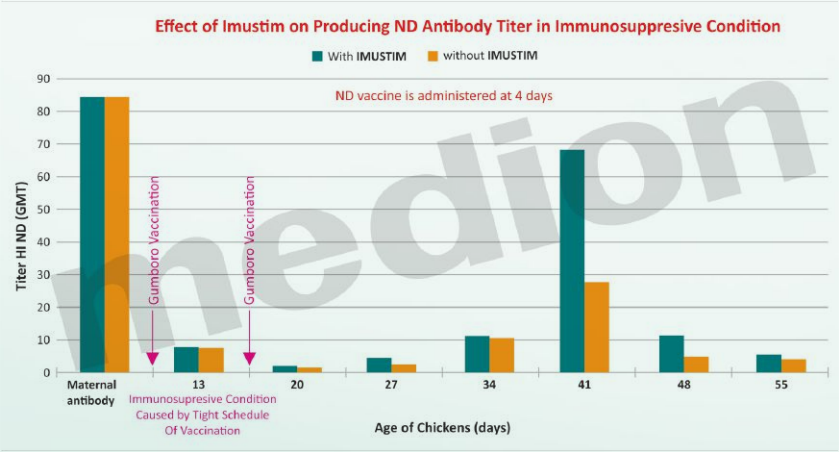
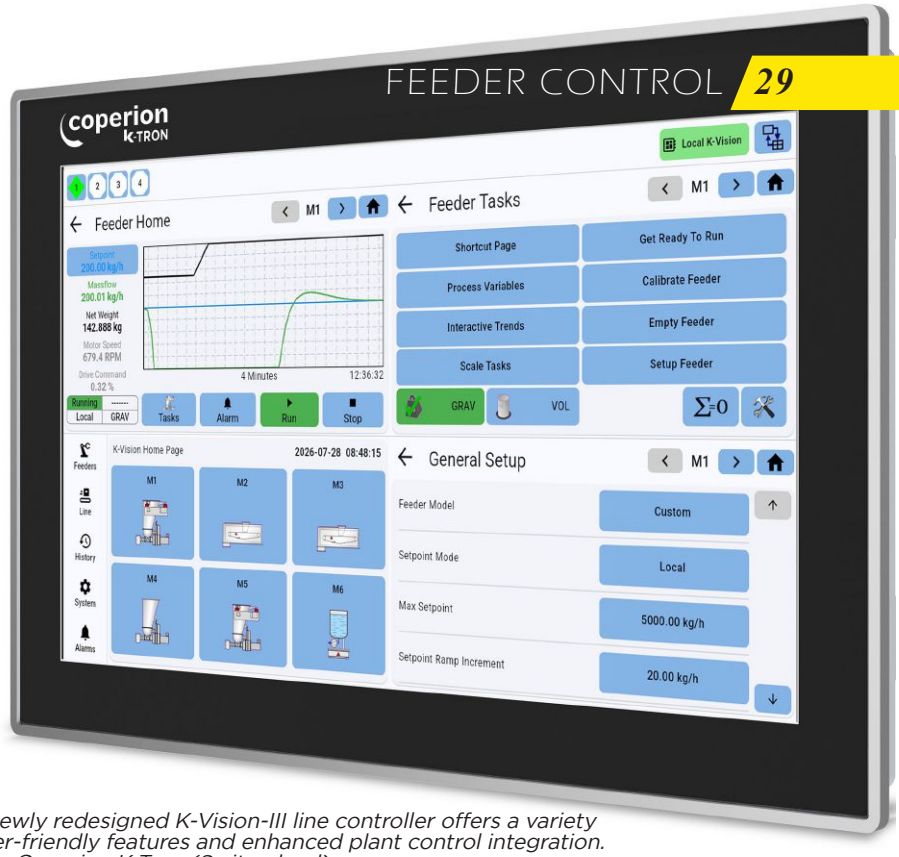


Figure 7. Antibody Titer of ND in Layer Chickens

Note : ND vaccine is administered at 4 days to commercial layer chickens
Gumboro vaccine is administered at 8 and 15 days
Imustim is administered for 3 days before and 3 days after vaccination until 28 days

For more information, visit
www.medionfarma.co.id
info@arthavena.com
medionoverseas@gmail.com

COPERION K-TRON INTRODUCES K-VISION-III FOR ADVANCED FEEDER LINE CONTROL AND PROCESS VISUALIZATION



The newly redesigned K-Vision-III line controller offers a variety of user-friendly features and enhanced plant control integration. Photo: Coperion K-Tron (Switzerland)

Coperion K-Tron announces the launch of the K-Vision-III, the latest generation of its proven feeder line control and process visualization system. Completely redesigned with a state-of-the-art hardware platform and modern software architecture, the K-Vision-III provides faster and more responsive processing, enhanced connectivity, and an intuitive user experience for optimized feeder line management.

The K-Vision-III allows for centralized monitoring and control of up to 24 individual KCM feeder control modules on a single process line. Operators gain comprehensive visibility into feeder performance, with access to real-time monitoring, trending, configuration, and process adjustment functions through a larger, high-resolution touchscreen interface.

The new platform introduces advanced recipe management capabilities that streamline process setup and operation. Users can easily create and manage material configurations and process recipes while benefiting from functions such as recipe proportioning, staged startup and shutdown sequences, and ingredient priority management. Automated calculations performed by the system ensure precise and predictable process control while reducing operator workload.

Designed for seamless integration into modern manufacturing environments, the K-Vision-III supports Ethernet-based industrial communication protocols, including Modbus TCP, EtherNet/IP, and Profinet. Acting as a single communication gateway for an entire feeder line, the system simplifies connectivity between plant DCS or PLC systems and multiple feeders, reducing integration complexity while improving accessibility to critical process data.

The platform also supports operational reliability through integrated backup and restore functionality for feeder controller parameters. This feature enables rapid reconfiguration or replacement of individual controllers, helping facilities minimize downtime and maintain production continuity.

While incorporating a modernized user interface and expanded functionality, the K-Vision-III retains the familiar navigation structure and workflows of previous K-Vision generations. This approach allows existing users to transition quickly with minimal training while benefiting from enhanced system performance and responsiveness. The platform is available in multiple languages, supporting global manufacturing operations.

"With the K-Vision-III, we continue the tradition of innovation and continuous improvement in feeder controls that has long been a hallmark of Coperion K-Tron," said Jay Daniel, Head of R&D for Feeders and Feeder Systems within Coperion's Performance Materials Division. "This latest generation provides customers with greater visibility into their processes, easier access to critical production data, and enhanced system integration capabilities. Ultimately, the K-Vision-III helps customers operate more efficiently, make better-informed decisions, and maximize uptime."

The K-Vision-III is ideally suited for process industries requiring precise material handling and feeding operations, delivering a powerful combination of process transparency, operational efficiency, and system connectivity in a single platform.

Next-generation platform delivers enhanced performance, intuitive operation, and seamless plant integration

For more information, visit www.coperion.com



HATCHSOUND™: PETERSIME INTRODUCES THE WORLD'S FIRST SOUND MONITORING TECHNOLOGY IN THE HATCHER



With the launch of its new UniStreamer™ incubator range, Petersime introduces another breakthrough in incubation technology. HatchSound™ enables hatcheries to achieve a 40% shorter and fully monitorable hatch window. It is the world's first technology to detect embryo-produced sounds inside the hatcher, enabling precise monitoring and control of the hatching process.

The hatching cycle: a crucial phase in incubation

The hatching cycle is the most demanding phase of incubation. During this period, developing chicks transition from vascular respiration to breathing air through their lungs, requiring extremely precise environmental conditions. The cycle consists of four distinct phases, each with its own optimal temperature, humidity and CO_2/O_2 levels: Phase 1 – period up to internal pipping; Phase 2 – transition from vascular to lung respiration; Phase 3 – external pipping and hatching; and Phase 4 – finishing.

As hatching chicks are highly responsive to environmental changes at specific moments, applying the right stimuli at the right time can significantly improve hatch outcomes. Embryos produce subtle sounds during this process, providing valuable signals about their progress and requirements. HatchSound™ captures and analyses these sounds to monitor the hatching cycle.

Reproducing the natural interplay between chick and hen

Using highly sensitive microphones and an advanced detection algorithm, HatchSound™ continuously captures and analyses hatch-related sounds produced by embryos. The system accurately determines the start and end of the hatching cycle. Its integrated Synchro-Hatch™ technology reduces the hatch window by mimicking natural stimuli through targeted temperature and CO_2 triggers, synchronising embryo hatching responses. At the end of the cycle, the system visualises the hatch window spread, allowing hatch synchronisation to be monitored with precision.

Roger Banwell, Senior Hatchery Expert at Petersime, explains: Embryos communicate through sound long before they hatch. Inside the egg, they produce soft peeps once they reach the air cell, followed by faint tapping or scratching as they begin to externally pip and progress through the final stages. These signals tell us where they are in the process.

With HatchSound™, we can capture and use this biological information to guide the hatching cycle. In nature, a chick calls for a response as it prepares to hatch, and the hen reacts by adjusting the conditions around the egg. By responding in a similar way, HatchSound™ guides the hatching cycle, reproducing the natural interplay between a chick and its mother hen more closely than ever before."

For more information, visit www.petersime.com

FORAGECAM™ MONITORING AMONG NEW TECH & FEATURES FOR 2027 NEW HOLLAND FR FORAGE CRUISER RANGE

New Holland FR Forage Cruiser self-propelled forage harvesters for 2027 are now available with the Agritechnica Innovation Award-winning ForageCam™ system. The technology automatically monitors kernel processing and adjusts the processor gap to help optimise silage quality, throughput and fuel consumption.

Further updates include a revised corn header design that simplifies transport, together with operator-focused improvements that make operation and servicing more convenient.

"New Holland has fully developed and tested ForageCam ready for commercial release, and it is now available on all FR Forage Cruiser models from the 476hp FR480 to the 911hp FR920," says Henrik Hansen, New Holland Hay and Forage Product Manager. "ForageCam™ removes much of the guesswork from setting the kernel processor and reduces the need for frequent manual checks of forage samples. By continuously monitoring kernel processing and adjusting the processor gap, the system helps operators achieve the required crop processing while maintaining throughput and controlling fuel use."

ForageCam now available on all FR Forage Cruiser models

ForageCam technology centres on a spout-mounted camera that uses AI imaging to continuously monitor the chopped crop flow and instantly calculate cracked kernel percentage, simultaneously comparing it to the operator-inputted target figure on the in-cab IntelliView™ IV Plus screen.

This data is then instantly used to continuously and automatically adjust the kernel processor gap to achieve the desired forage quality. In this way, forage is neither under- or over-processed, while output is maximized for the minimum possible fuel use and component wear. Farmers and contractors both benefit through minimized total harvesting costs and maximum forage quality.

ForageCam™ is a configurable option on Model Year 2027 FR Forage Cruiser machines. The system can also be retrofitted to those built from Model Year 2025 onwards.

New corn headers exploit full FR Forage Cruiser potential

A revised range of corn headers, offered in working widths of up to 9.0 metres, will be available for Model Year 2027 FR Forage Cruiser machines.

Among the key improvements is an integrated suspended transport wheel that can be hydraulically folded out of the way for field operation. This eliminates the need for operators to remove, handle and store the wheel manually, making transitions between road transport and field work quicker and more convenient.



CUTTING FEED WASTE FROM DAY ONE

Feed is a top expense on any poultry farm. And every bit that's wasted is money lost.



FEED STAYS IN THE PAN, WHERE BIRDS EAT IT, INSTEAD OF ON PAPER, IN THE LITTER OR IN THE TRASH. BECAUSE LESS FEED IS WASTED, GROWERS CAN EXPECT BETTER FEED CONVERSION. CLEANER FEED ALSO MEANS FEWER OF THE HEALTH PROBLEMS THAT COME FROM CONTAMINATED FEED.

Some of the biggest losses happen in the first week or two of a flock. That's when growers work hard to get newly placed chicks eating, and it's when the traditional way of feeding them wastes the most feed.

Good early feeding pays off. Young birds with easy access to clean feed in their first days gain weight faster and convert feed more efficiently. That head start carries through the rest of the flock.

Where the Feed Goes

Many growers start birds in just part of the house, curtained off to save on heating. But crowding young birds into a third or half of the barn means there isn't enough room at the regular feeder pans. To make up the difference, growers spread paper on the floor or set out supplemental feed trays, often hundreds of them for every flock.

That gives young birds plenty of places to eat. It also gives them plenty of ways to waste feed.

Young birds walk through the feed on paper and in trays. They scratch it out with their feet and beaks, and it gets mixed into the litter. They also tend to stand in it, leaving droppings behind. Soiled feed can make birds sick, leading to weight loss, slower growth and higher mortality. And whatever the birds don't eat gets thrown away when the trays and paper are picked up.





Many standard pan feeders have the same problem. To let the smallest birds reach the feed, pan sides are kept low, which also makes it easy for them to climb right in.

Beaks In, Feet Out

Newer pan feeder designs are built to fix that problem. The idea is simple: let birds get their beaks into the feed, but keep their feet out.

The new feeders feature a very low pan, about 2 inches (50 millimeters) high at its lowest point, and a scalloped edge. Combined, these design elements let day-old chicks eat from the outside of the pan from the very first day. Growers flood the pans with a high level of feed to attract young birds at placement, then switch to a grow-out setting as the birds get bigger.

Inside the pan, an angled cone with anti-rake fin design discourages birds from stepping in and scratching feed out. Young birds may hop up on the feeder, but they usually don't stay long. And because birds face inward toward the feed while they eat, most droppings land outside the pan instead of in it.

What It Means for the Bottom Line

Less wasted feed. Feed stays in the pan, where birds eat it, instead of on paper, in the litter or in the trash. Because less feed is wasted, growers can expect better feed conversion. Cleaner feed also means fewer of the health problems that come from contaminated feed.

Fewer chores. With young birds eating from the main feeder lines from day one, growers can stop buying and handling feeder paper and supplemental trays. There are no trays to set out at placement and none to pick up, clean or throw away a week or two later. That's work that would otherwise be repeated with every flock.

Easier cleanout. A pan that opens easily and features no grills, corners or pockets to trap feed, can simply be power washed between flocks. Heavy-duty UV-resistant plastic construction further allows for years of durable service.

Making the Switch

Getting rid of trays and paper works best when young birds have enough feeder space everywhere they go. That's why many growers pair the change with whole-house brooding, which gives birds the entire barn from day one.

Spreading birds out also spreads out moisture and ammonia. That can cut minimum ventilation run time during brooding and reduce litter caking. Growers will need to heat the whole house, and most will need to add one feeder line. Savings on feed, labor and ventilation help offset those costs.

Whole-house brooding is already common in Europe and Canada, and some of the largest poultry operations in the United States have adopted it. Many more are considering the move.

For growers who want to stop wasting feed, the place to start is the feeder. And a local poultry equipment dealer can help find a pan feeder that fits the operation.

For more information, visit https://www.choretime.com

AS FEED PRODUCTION FACES GROWING PRESSURES, BÜHLER CHANGZHOU HELPS PRODUCERS DO MORE WITH LESS



Global feed production has grown steadily over recent years, rising by another 2.9% in 2025 to 1.44 billion metric tons. Even as the industry continues to expand, feed producers worldwide remain under growing pressure to improve efficiency, make better use of raw materials and energy, maintain consistent quality, and take advantage of digitalization. To help producers navigate this changing landscape, Bühler Changzhou, which is celebrating its 20th anniversary, brings together animal nutrition expertise, technology, digital solutions, and services under one roof.

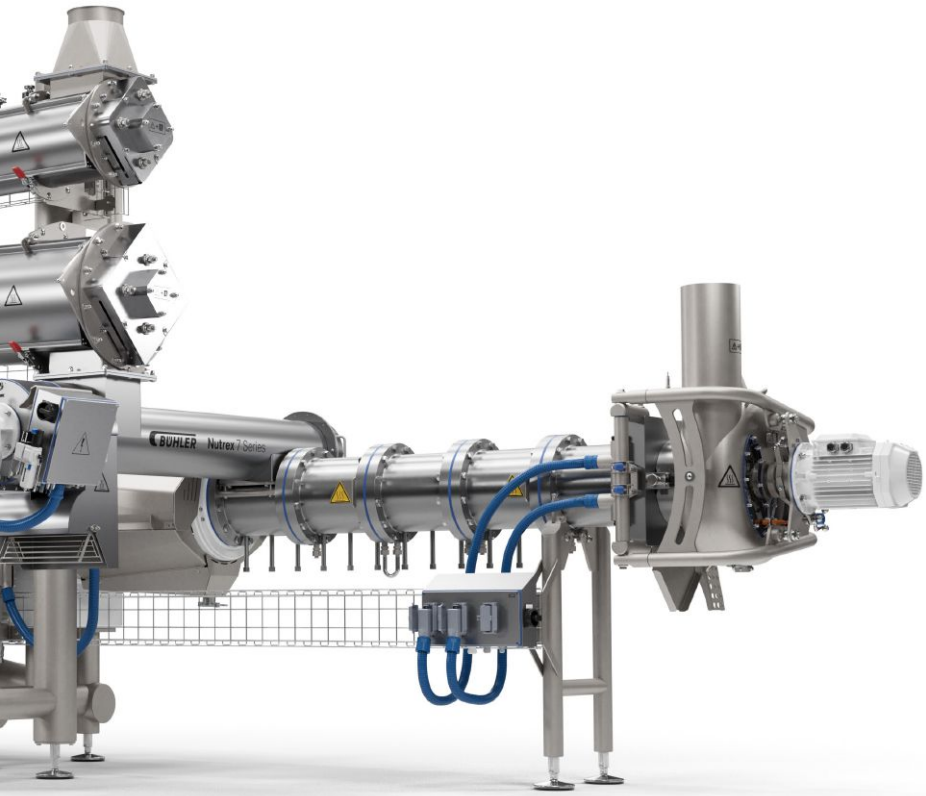
Since its establishment in 2006, Bühler Changzhou has grown into one of the company's three global manufacturing hubs and serves as the global headquarters of Bühler's Animal Nutrition business. There, feed producers can work with Bühler teams across manufacturing, research and development, applications, training, and customer service to test new recipes, develop new processes, and explore solutions for evolving production needs.

Today, the site's team of 1,000 supplies customers worldwide with around 30,000 units of equipment each year, including pellet mills, hammer mills, mixers, micro-dosing systems, vacuum coating equipment, extrusion systems, dryers, material handling solutions, and a range of digital solutions.

As Bühler Changzhou marks its 20th anniversary, the plant in Changzhou is operating at maximum capacity, with orders booked through next year.

"Together, we have developed technologies that help feed producers improve efficiency, strengthen quality, and make better use of resources as their needs evolve. Over the last 20 years, Changzhou has grown into a center of expertise for developing and manufacturing these technologies," said Philipp Hug, Head of Business Unit Animal Nutrition at Bühler. "This two-decade journey is also a testament to the trust of our customers and the dedication of our employees, partners, and suppliers."





Bringing the industry together around common challenges

More than 650 customers, partners, suppliers, and industry experts from across the globe joined Bühler for the anniversary. The celebrations included Bühler's Value Nutrition Innovation Forum, focused on some of the industry's most pressing questions: how to improve manufacturing efficiency, use resources more effectively, integrate digital technologies, and meet changing nutritional needs.

Participants shared experiences and explored developments in livestock and poultry feed, aquafeed, premix production, and pet food. Visits to customer plants offered a firsthand look at how processing technologies are used in commercial production to improve efficiency, quality, and operational transparency.

"Our industry needs to meet growing nutritional needs while managing raw material costs, making better use of available resources, adapting to new ingredients, and maintaining quality and food and feed safety," said Philipp Hug. "Efficiency and digitalization are key. Forums like this help us share experience, explore new approaches, and work together on solutions for the future."

"DIGITALIZATION IS ANOTHER PART OF THIS SHIFT TOWARD MORE EFFICIENT AND PREDICTABLE PRODUCTION. THE DIGITAL SYSTEMS PELLETINGPRO AND PROTEINPRO PROVIDE REAL-TIME DATA AND CLOSED-LOOP CONTROL, HELPING CREATE THE FOUNDATION FOR THE SMART FEED FACTORY."

Turning industry demands into practical solutions

The technologies presented during the anniversary were designed to tackle these challenges, from reducing energy use and improving process control to increasing efficiency and using production data more effectively.

Among them was the Z-Mission, a heat recovery system designed to increase energy efficiency. Bühler also presented the Nutrex 7 Series, Bühler's new generation of extrusion system, available to customers since May 2026, and the Kubex 5 Series, the latest pellet mill for animal feed and food production.

Digitalization is another part of this shift toward more efficient and predictable production. The digital systems PelletingPro and ProteinPro provide real-time data and closed-loop control, helping create the foundation for the smart feed factory.



Liping Shao

"The technologies we presented during the event respond to priorities we hear from customers around the world," said Liping Shao, General Manager of Bühler Changzhou. "Producers need practical ways to improve efficiency, use raw material more efficiently, strengthen process control, and turn production data into better decisions. Our focus is on solutions that deliver these benefits in day-to-day operations."

PEARLZYME® (PROTEASE): PUBLISHED RESEARCH AND GLOBAL OUTREACH AT EUROTIER 2026

PEARLZYME® is a feed additive containing a protease derived from Bacillus clausii, a microorganism isolated from the tidal mudflats of Korea's west coast, together with a probiotic component.

Visualizing Protein Breakdown

Laboratory testing using SDS-PAGE demonstrates the proteolytic activity of PEARLZYME® against soybean meal and rapeseed meal, two major plant-based protein sources in animal feed. Following treatment, protein bands became weaker, disappeared, or shifted toward lower molecular weight fractions, indicating the breakdown of larger proteins into smaller components (Figure 1).

These observations illustrate the enzyme's activity against feed proteins, complementing the nutritional findings from the broiler study.

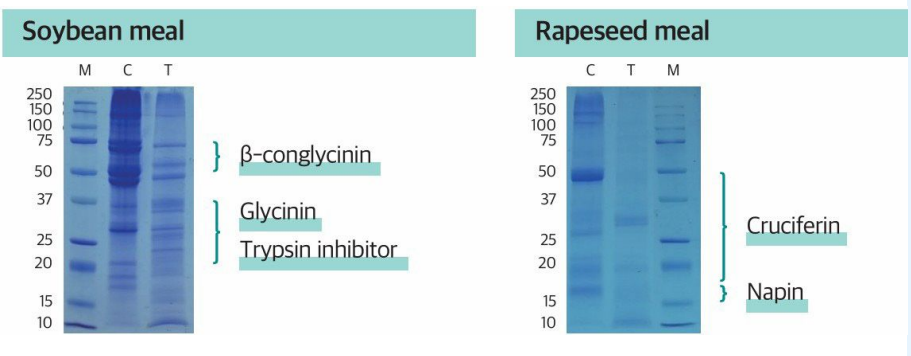


Figure 1. SDS-PAGE profiles of soybean meal and rapeseed meal proteins following PEARLZYME® treatment.
M: molecular weight marker; C: untreated control; T: PEARLZYME® treatment. Molecular weights are expressed in kilodaltons (kDa).

Findings Published in Poultry Science

A University of Georgia broiler study, published in Poultry Science, evaluated PEARLZYME® (Pearlzyme 1 in the study) and a probiotic-enriched formulation (Pearlzyme 2) for nutrient utilization, growth performance, and intestinal immune responses.

The 21-day trial involved 240 male Cobb 500 broilers allocated to three dietary treatments, with eight replicate pens of ten birds per treatment. Birds received a control diet or the control diet supplemented with either formulation at 0.1% (1 kg/ton). The diets included several commonly used feed ingredients, allowing the researchers to evaluate supplementation within a mixed-ingredient feeding program. On day 19, one bird per pen received a lipopolysaccharide (LPS) challenge, with intestinal responses assessed four hours later.

During days 14–21, PEARLZYME® significantly improved energy and nutrient utilization compared with the control. Apparent metabolizable energy (AME) increased from

Item	Control	PEARLZYME	Probiotic-Enriched PEARLZYME	P-value
AME (kcal/kg)	2,863[b]	2,962[a]	2,937[a]	0.003
AMEn (kcal/kg)	2,727[b]	2,824[a]	2,792[a]	0.003
GE digestibility (%)	72.7[b]	74.6[a]	74.3[a]	0.014
DM digestibility (%)	71.7[b]	73.5[a]	73.7[a]	0.002

[ab] Different superscripts indicate significant differences ($P < 0.05$).

Table 1. Effects of PEARLZYME® Formulations on Energy Utilization in Broilers (d 14–21).

2,863 to 2,962 kcal/kg, while nitrogen-corrected AME (AMEn) increased from 2,727 to 2,824 kcal/kg. Gross energy digestibility improved from 72.7% to 74.6%, and dry matter digestibility increased from 71.7% to 73.5%. All four improvements were statistically significant ($P < 0.05$; Table 1). The probiotic-enriched formulation also significantly improved these four measures compared with the control.

Beyond energy utilization, PEARLZYME® improved the apparent ileal digestibility of selected amino acids, including threonine, phenylalanine, tyrosine, and cysteine ($P < 0.05$). These findings provide further evidence of its contribution to dietary protein utilization, complementing the protein breakdown observed in the laboratory tests. The probiotic-enriched formulation also increased nitrogen retention compared with the control and produced higher body weight gain than the protease-only formulation during days 15–21.

Following the LPS challenge, birds receiving the probiotic-enriched formulation showed lower ileal expression of IL-1β and IL-10 than birds receiving either the control or the protease-only formulation (Figure 2). IFN-γ expression did not differ significantly among treatments. These results indicate modulation of selected intestinal immune signals under the experimental challenge.

Taken together, these findings support the role of PEARLZYME® in improving nutrient and energy utilization. They also suggest that the probiotic-enriched formulation may provide additional benefits for late-phase growth and the modulation of inflammatory signaling.

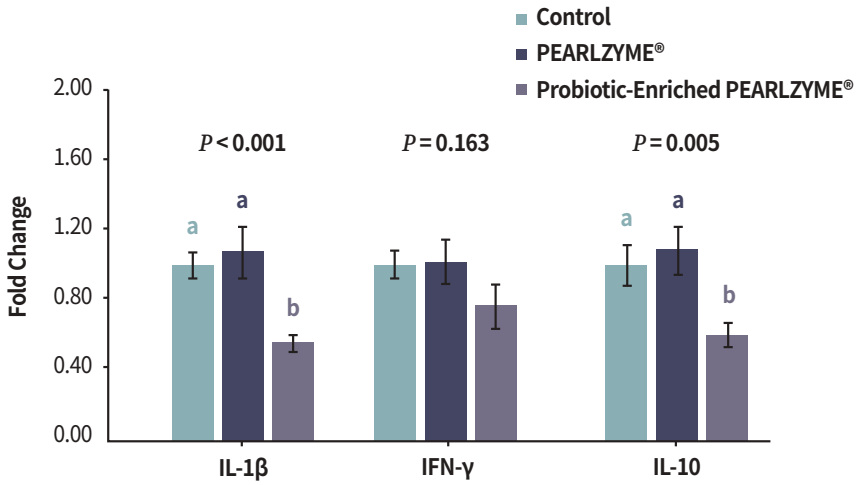


Figure 2. Effects of PEARLZYME® Formulations on Selected Ileal Cytokine Expression Following LPS Challenge.

Showcasing PEARLZYME® and Choline Chloride at EuroTier 2026

SOLTON Biochem participated in EuroTier 2026, held in Hanover, Germany, from November 10 to 13, showcasing two key products it manufactures: PEARLZYME® and choline chloride.

The company highlighted PEARLZYME®'s proteolytic activity and newly published research. It also presented choline chloride as a source of the essential nutrient choline, highlighting SOLTON Biochem's manufacturing and supply capabilities.

The exhibition provided an opportunity to introduce both products to international industry professionals and support further global market development.

Research DOI: 10.1016/j.psj.2026.107540

For more information, contact yjlee@soltonbiochem.com



Figure 3. SOLTON Biochem at EuroTier 2026, Hanover, Germany.

BALANCE MAIZE SILAGE RATIONS WITH RUMEN-PROTECTED FATS TO MAXIMISE MILK PRODUCTION

Maize silage provides a valuable source of starch and energy in dairy diets, but balancing it with rumen-protected fat supplements can help producers increase ration energy density while protecting rumen function and targeting milk production



As dairy producers look to maximise milk production from homegrown maize silage, getting the balance of energy sources in the ration right is critical, says Dr Richard Kirkland, Global Technical Manager for Volac Wilmar Feed Ingredients.

"Maize is an excellent foundation for dairy rations, providing a valuable source of starch with a slower fermentation rate than cereals such as wheat and barley," explains Dr Kirkland. "However, maize silage quality and starch availability can vary considerably depending on growing conditions, maturity at harvest and fermentation, so the rest of the ration needs to be formulated around what the silage is actually delivering."

While increasing cereal inclusion can help fill an energy gap, Dr Kirkland cautions against relying too heavily on rapidly fermentable starch. As cereal starch is fermented in the rumen, acid production increases, potentially lowering rumen pH, reducing fibre digestion and increasing risk of acidosis and milk fat depression.

Digestible fibre sources, including soya hulls, citrus pulp and sugar beet pulp, can help balance starch supply and support rumen function and milk fat production. However, their lower energy concentration and greater bulk can eventually restrict the amount of energy cows can consume.

"You can only increase bulky feed ingredients so far before rumen fill begins restricting intake," says Dr Kirkland. "This is where rumen-protected fat supplements complement maize particularly well. They provide concentrated energy at a relatively small inclusion rate without adding to the acid load in the rumen."

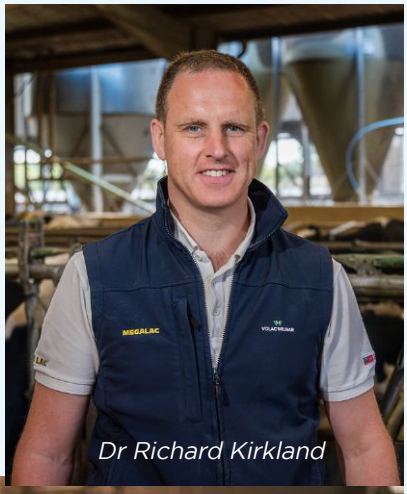
Increasing energy density while protecting the rumen

Fat is the most energy-dense nutrient available to dairy cows. Including 500 grams of Megalac

rumen-protected fat supplement can increase diet energy density by around 0.5 megajoules per kilogram of dry matter, while providing more than 2.5-times the energy density of cereals.

Unlike starch, rumen-protected fats undergo minimal breakdown in the rumen, passing into the small intestine where the fatty acids are digested and absorbed. Rumen protection also prevents fat from coating feed particles and reducing with fibre digestion.

"High-yielding cows have a substantial energy requirement, and research suggests around 15% to 20% of total metabolisable energy (ME) should come from fat," says Dr Kirkland. "For high-yielding cows, that can equate to around 6% fat in the total ration dry matter. Maize and other ration ingredients will supply some of that fat, but supplementation is often required to meet requirements consistently."


Dr Richard Kirkland

Target fatty acids to cow performance

The role of rumen-protected fat supplements in maize-based diets extends beyond simply increasing energy density. Different fatty acids influence how nutrients are partitioned within the cow, allowing supplementation to be targeted according to stage of lactation and production goals.

During early lactation, oleic acid (C18:1) is particularly valuable. It improves total diet fat digestibility and directs nutrients toward body condition while supporting egg and embryo development for fertility benefits.

"During the first 120-days after calving, maintaining energy supply while protecting body condition and fertility should be a priority," says Dr Kirkland. "Calcium salt rumen-protected fat supplements supplying C18:1 can complement the energy coming from maize while supporting milk volume and reproductive performance.

Once cows move beyond peak lactation or are back in calf, supplements higher in palmitic acid (C16:0) may be more appropriate to direct more nutrients toward milk and milk fat production on farms where these are a key requirement.

"Getting more from maize isn't about simply adding more starch to the ration," concludes Dr Kirkland. "It is about balancing energy sources so cows can make the most of homegrown forage without compromising rumen function. Rumen-protected fat supplements provide the energy density and fatty acids to help achieve that balance while targeting milk production, milk solids, body condition and fertility."

For more information, visit www.volac.com



Nedap Presents
AWARD-WINNING SMARTSIGHT & PRACTICAL NEW TOOLS FOR DAIRY FARMERS

At EuroTier 2026, Nedap presented a range of new solutions designed around improving the everyday life of dairy farmers and the health and performance of their cows. The company's new SmartSight solution has received a Silver Eurotier Innovation Award. It introduces AI-powered Vision as a new sensing technology, adding continuous, objective visual insights alongside the data farmers already use to manage their herd. Nedap also introduces new ways to monitor the transition period, measure ear temperature, streamline milking, sort cows with EID ear tags and ensure cows are in the right pen.

All six innovations further strengthen Nedap's cow monitoring platform, which connects behaviour, locomotion and production monitoring with reliable identification, practical automation and integrated herd management software.

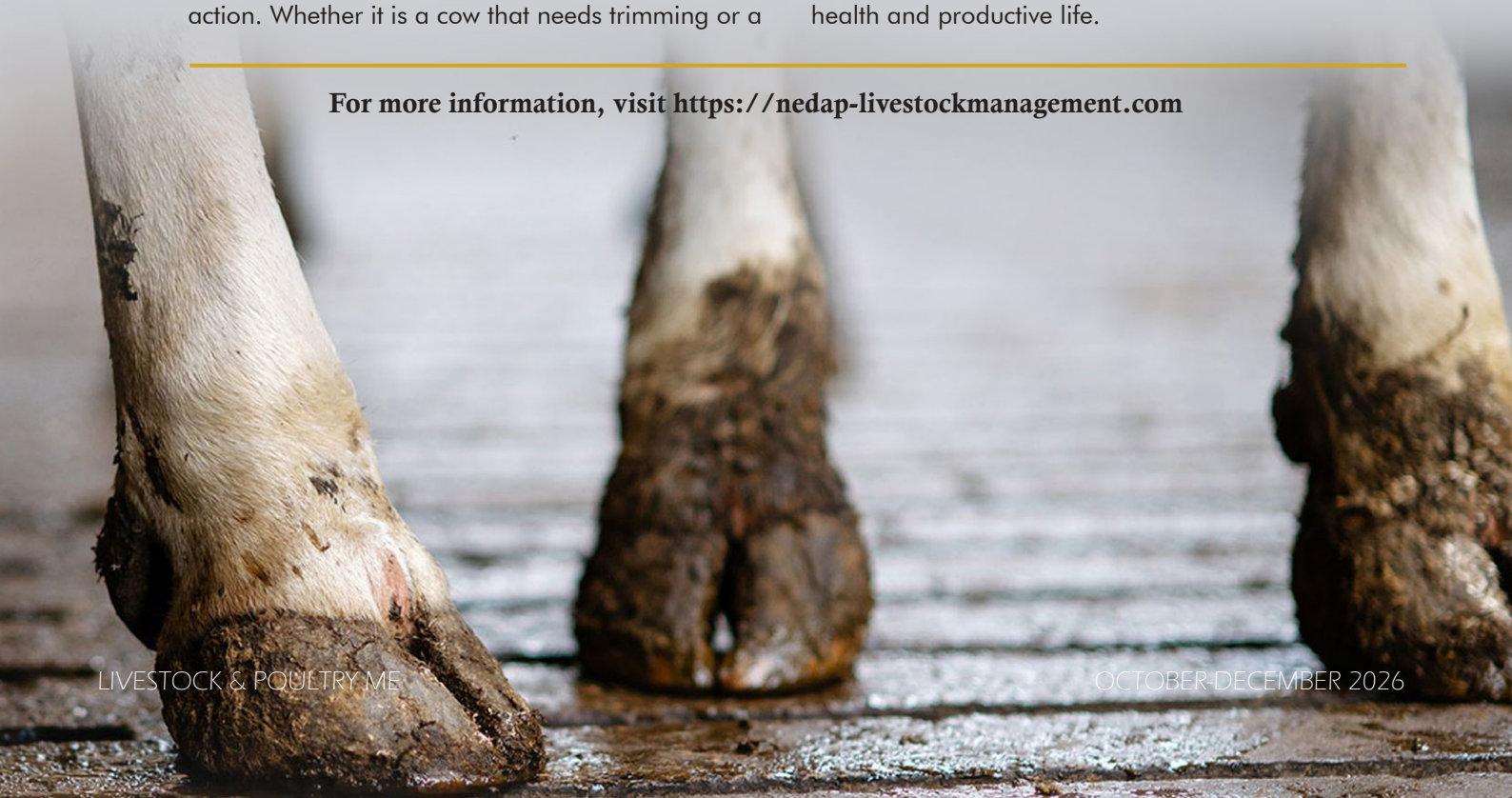
"The recognition for SmartSight is a meaningful acknowledgement of the work behind it and the enormous potential of Vision technology in dairy farming," said Maarten Idink, Managing Director at Nedap. "For farmers, what matters is having comprehensive, actionable information they can trust to make informed decisions and take timely action. Whether it is a cow that needs trimming or a health check, a group whose transition is not going as planned or an animal in the wrong pen, these innovations are designed to make their cows thrive and their work easier."

Nedap SmartSight: helping farmers see mobility issues sooner and act faster

SmartSight brings a new way for farmers to keep track of their cows using AI-based Vision technology. It adds an extra sensing layer alongside Nedap's cow wearable, milk meter and identification data. Its first application, Locomotion Monitoring, continuously observes how cows move and helps identify mobility issues at an early stage. This gives farmers and hoof trimmers more objective information on which cows need attention and when.

SmartSight supports a shift from fixed hoof-trimming routines towards care based on the condition of each individual cow. A camera above the cow passage uses AI to analyse movement and posture, creating clear work lists for hoof inspection. These include locomotion scores and insights into the severity, progression and recovery of lameness. Earlier intervention can help prevent cases from becoming more severe, supporting cow comfort, health and productive life.

For more information, visit https://nedap-livestockmanagement.com





18TH POULTRY INDIA EXPO 2026

TO BE HELD IN HYDERABAD FROM NOVEMBER 25–27

The 18th edition of Poultry India Expo 2026, recognised as the World's Largest Poultry Exhibition, will be held at the HITEX Exhibition Centre, Hyderabad, from November 25 to 27, 2026. Organised by the Indian Poultry Equipment Manufacturers' Association (IPEMA) – Poultry India, the exhibition is expected to bring together over 550 exhibitors and 51,000+ poultry industry professionals from approximately 120 countries.

Preceding the exhibition, Poultry Knowledge Day 2026 will be held on November 24 at HICC–Novotel, Hitech City, Hyderabad. The seminar will cover poultry health, nutrition, feed management, vaccination advancements, automated housing systems, AI-driven technologies and sustainability.

Empowering India's Growing Poultry Sector

India's poultry industry plays a significant role in food security, affordable protein availability, nutrition and rural economic development. The sector supports millions of farmers and allied businesses, generating employment for an estimated 5–6 million people.

India produced 142.77 billion eggs during 2023–24, securing second position globally in egg production, and ranks fifth in poultry meat production.

A Global Platform for Innovation

Poultry India Expo has evolved into a significant international platform supporting the growth and modernisation of India's poultry sector. The 2026 edition will showcase technologies and solutions across breeding and genetics, hatcheries, feed milling, farm automation, poultry housing, ventilation, veterinary diagnostics, biosecurity and egg processing.

The exhibition will facilitate knowledge exchange, technology transfer, business partnerships and international collaborations. IPEMA's collaborations with more than 20 international poultry associations and 40 national-level poultry bodies further strengthen its global outreach.

18th EDITION POULTRY INDIA®

The previous edition attracted more than 500 exhibitors and 51,251 industry visitors across 35,000 square metres. Building on this success, the 18th edition is expected to feature over 550 exhibitors across seven halls.

Mr. Uday Singh Bayas, President, IPEMA–Poultry India, said the 2026 expo would focus on innovation, collaboration and knowledge sharing, providing a platform to explore emerging technologies and business opportunities.

Event Schedule:

- **Poultry Knowledge Day:** November 24, 2026 – HICC–Novotel, Hyderabad
- **Poultry India Expo:** November 25–27, 2026 – HITEX Exhibition Centre, Hyderabad
- **Expected participation:** 550+ exhibitors | 51,000+ industry professionals | 120 countries

The expo aims to strengthen India's poultry sector, support its protein economy and contribute to the nation's vision of a self-reliant India.

For more information, visit www.poultryindia.co.in



EUROTIER STRENGTHENS ITS POSITION AS THE WORLD'S LEADING TRADE FAIR FOR LIVESTOCK FARMING, DRIVEN BY INNOVATION MOMENTUM

EuroTier 2026 has sent a strong signal for the future of international livestock production. From 10 to 13 November, around 118,000 visitors from 155 countries came to Hanover, Germany, to explore innovations, current developments, and future prospects in professional livestock farming. Despite challenging economic conditions in some areas, the industry proved to be innovation-driven and open to new technologies, more efficient production methods, and future-proof farm concepts.

More than 2,100 exhibitors from 55 countries presented their solutions for cattle, pig, and poultry farming as well as other livestock species at the world's leading trade fair for animal farming and livestock management, organized by the DLG (German Agricultural Society). The high international attendance, strong presence of decision-makers, and keen interest in practical innovations reaffirm EuroTier's position as the world's leading business and knowledge platform for professional livestock farming. The next EuroTier will take place from 14 to 17 November 2028 in Hanover – once again featuring the World Poultry Show as the international meeting place for the poultry industry.









With around 118,000 trade visitors from 155 countries, EuroTier 2026 underscored its importance as the international meeting place for the livestock farming sector. Around 40 percent of visitors traveled from abroad. The largest numbers of international visitors came from the Netherlands, China, Austria, Italy, Turkey, Poland, Spain, France, Belgium and Switzerland. Numerous delegations from key agricultural markets, including India, Brazil, and Ukraine, used the world's leading trade fair for professional exchange and to initiate new business relationships.

A defining feature of the trade fair was the high caliber of visitors: 78 percent are involved in farm investment or procurement decisions, including 59 percent in management roles or with final decision-making authority. Many visitors came to Hanover with concrete information needs and investment plans. The on-site visitor survey also confirms the high standing of the trade fair: 93 percent rated the exhibition offering positively, 96 percent were satisfied with their visit, and 57 percent are already planning to attend the next edition of EuroTier. The innovation power of the trade fair is particularly valued, with 74 percent of visitors rating it as "good" or "very good."

"EuroTier 2026 has demonstrated the immense innovation power and forward-looking spirit within the international animal production sector. Despite economic and political challenges, farms are actively seeking solutions and fresh input to further develop their businesses. The high international attendance and strong presence of decision-makers underline the importance of EuroTier as the leading business and knowledge platform. This is where innovations are evaluated, investments are prepared, and new business contacts are forged," concluded Ines Rathke, Show Director of EuroTier.

On the exhibitor side too, EuroTier 2026 underscored its international standing: 67 percent of the 2,108 exhibitors came from abroad. After Germany, the countries with the strongest representation were China, the Netherlands, France, Italy, Spain, Turkey, Belgium, Denmark and Poland. Across 19 official regional and country pavilions, companies from nations including the UK, South Korea, and the US state of Nebraska presented their offerings. According to preliminary results of the exhibitor survey at the trade fair, exhibitors particularly highlighted the international visitor profile (69 percent), the high caliber of technical discussions (78 percent), the strong interest in new technologies and investment solutions, and the willingness to buy (65 percent).

Next EuroTier in Hanover in 2028

The next EuroTier will take place in Hanover, Germany, from 14 to 17 November 2028—once again featuring the World Poultry Show as the international meeting place for the poultry industry. Running in parallel, EnergyDecentral and the Inhouse Farming – Feed & Food Show will complement the exhibition offering. Together, the trade fair events provide an international platform for innovations, practical solutions, and professional exchange covering animal farming, energy supply, and food systems.



SOMMET DE L'ÉLEVAGE 2026: ALL RECORDS BROKEN!

With 1,814 exhibitors, 139,000 visitors and 2,000 animals, the SOMMET DE L'ÉLEVAGE (LIVESTOCK SUMMIT) ends on a high note, and what a high note! "This 35th edition has set new records across the board – in terms of visitor and exhibitor numbers, net stand space, new products & conferences. This represents a new milestone, a glass ceiling has been smashed with all the key indicators at an all-time high" as a delighted Benoit Delaloy, Show Director, tells us.

And for Jacques Chazalet, Show President, the SOMMET's reputation is well established. "Judging by the number of visitors, the atmosphere in the aisles, the business deals negotiated, not forgetting the visit of the Minister of Agriculture, Annie Genevard, plus that of several candidates in next year's presidential election, our event has truly established itself as the No.1 farm show and, more specifically, the driving force behind sustainable livestock farming."

And in this International Year of Rangelands and Pastoralists, the SOMMET made also its presence felt in Clermont-Ferrand's city centre, where the unique PÂTURE event enabled 25,000 city dwellers to learn about the various grassland farming systems and pastoralism in the Massif Central region thanks to a recreated giant meadow.

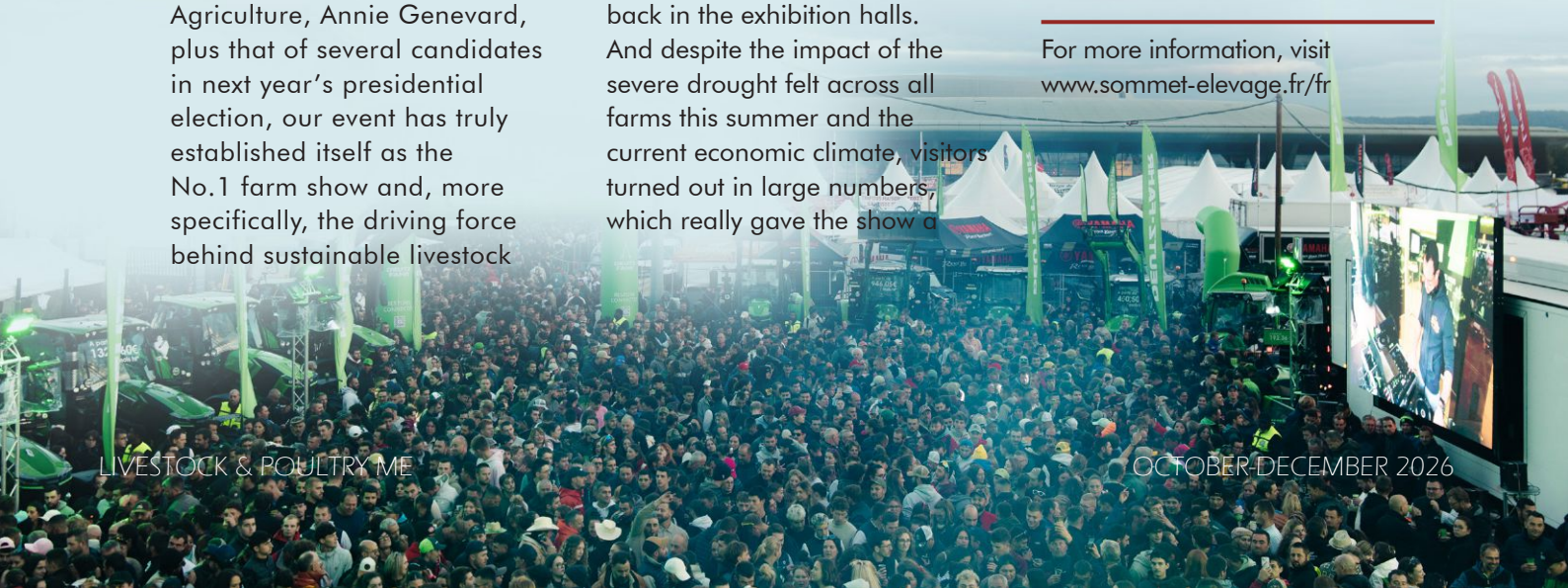
The 2027 edition of SOMMET will take place from 5 to 8 October 2027.

An unmissable event in the farming calendar

"After a traumatic 2025, with no cattle due to the outbreak in France of Lumpy Skin Disease, it was a real pleasure to see the full complement of livestock back in the exhibition halls. And despite the impact of the severe drought felt across all farms this summer and the current economic climate, visitors turned out in large numbers, which really gave the show a truly fantastic atmosphere", adds Jacques Chazalet. With 139,000 visitors over the 4 days of the show, the SOMMET has never, since the event was founded in 1992, witnessed so many people browsing its aisles. The feedback is unequivocal, whether that be from the breeders associations, the exhibitors, or the conference organisers, this edition has been an incontestable success, both in terms of the trade contacts made, and the festive side of the show.

"Our business is all about connecting people. Visitors were able to meet the 1,814 exhibitors and appreciate their services and products and learn about new techniques and innovations via the 200 programmed conferences", as Victor Berthon, the SOMMET's Assistant Director, highlights.

For more information, visit www.sommet-elevage.fr/fr



more than 25 YEARS

For Growers with investment plans

Do you have plans in 1 or 1, ½ to (re)build a new greenhouse

or are you curious of the new innovations in your industry ?

Stay informed

Scan & Subscribe here for you free magazine and stay up to date !

www.int-greenhouse.com



Monthly videos of your industry ?

Scan here !

your ugb concept

For Farmers with investment plans

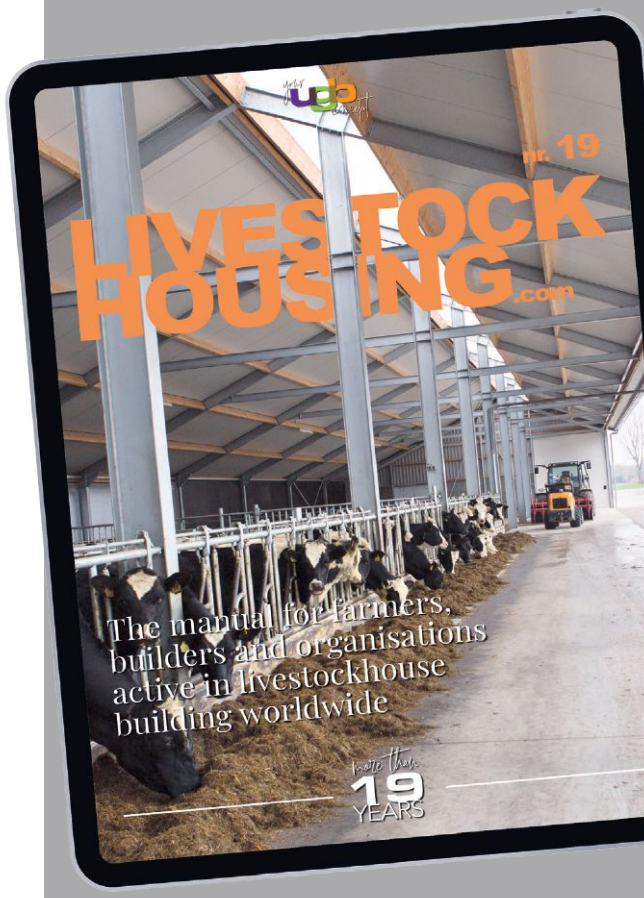
Do you have plans in 1 or 1, ½ to (re)build a new livestock house

or are you curious of the new innovations in your industry ?

Stay informed

Scan & Subscribe here for you free magazine and stay up to date !

www.livestockhousing.com



ugbconcept.com



Highlights 2025

- 550+ EXHIBITORS
- 50+ Global Companies
- 35,000 +sqm2 Display Area
- 51,251 Visitors
- 20+ Associations (Indian)
- 20+ Associations (Global)

Poultry Knowledge® Day

24th Nov. 2026

1700+ KNOWLEDGE DAY DELEGATES

Empowering Poultry with Collaboration, Insight & Innovation

Join Us at the 18th Edition of Poultry India Expo 2026!

Supported by

Official Media Partner

National Media Partner

Venue Partner

International Magazine Partners

Organised by:

Supporting Associations

INDIAN POULTRY EQUIPMENT MANUFACTURERS ASSOCIATION

Regd. Office: Unit No. 403, Fortune Monarch Mall, Road No. 36, Jubilee Hills, Hyderabad - 500 033, Telangana.

7997994331-9 info@poultryindia.co.in poultryindia.co.in