

JULY - SEPTEMBER 2026

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22

24 POULTRY HEALTH

26 POULTRY HEAT STRESS

30 CASE STUDY POULTRY

36 ANIMAL NUTRITION

41 LIVESTOCK TECHNOLOGY



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28



24



30



34

NEWS	04
POULTRY NUTRITION	22
POULTRY HEALTH	24
POULTRY HEAT STRESS	26
POULTRY FARMING	28
CASE STUDY - POULTRY	30
POULTRY BREEDING	33
DAIRY NUTRITION	34
ANIMAL NUTRITION	36
GUT HEALTH & FEED ADDITIVES	38
LIVESTOCK TECHNOLOGY	41
GROWTECH MIDDLE EAST PREVIEW	42
SAUDI AGRICULTURE PREVIEW	43
SOMMET DE L'ÉLEVAGE PREVIEW	44



36



41



42



43



44

Editor

Matthews Matthew

Associate Editors

Jessie Jorge

Dr. Ann Matt

Assistant Editor

Raseena Navaskhan

Contributors

Dr. Hansel Geo Thomas

Neville J. Chandler

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

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News

AL KHAYYAT INVESTMENTS COMMITS \$100 MILLION TO TRANSFORM ANIMAL HEALTH ACROSS THE MIDDLE EAST

Al Khayyat Investments (AKI), a diversified Emirati family-owned holding company, has announced a strategic \$100 million investment to launch VetHealth, a new veterinary business vertical focused on bringing world-class animal health solutions to more organisations and government entities across the region.

The investment reflects AKI's

belief that animal health is a critical pillar of regional food security, public health resilience, and sustainable economic development. Through VetHealth, AKI aims to further contribute to national development initiatives across the region, such as the UAE's National Food Security Strategy 2051.

Headquartered in the UAE,

VetHealth supports both the commercial animal production sector and the rapidly expanding companion animal market. Its establishment comes as the Middle East and Africa's (MEA) veterinary healthcare market is projected to rise to \$6.91 billion by 2033, driven by a demand for livestock productivity alongside a significant surge in pet ownership.



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FANCOM STRENGTHENS PRESENCE IN SAUDI ARABIA WITH NEW PARTNERSHIP

Fancom is pleased to announce a new exclusive partnership with Abdulmohsen Al Sahli Trading in the Kingdom of Saudi Arabia. This cooperation marks an important step in further strengthening Fancom's presence in the Saudi poultry market.

By combining Abdulmohsen Al Sahli Trading's local market

knowledge and customer network with Fancom's more than 50 years of expertise in intelligent farm automation, we can provide poultry producers with strong local support and future-ready solutions.

"We are very pleased to welcome Abdulmohsen Al Sahli Trading to the Fancom partner network. Saudi Arabia is

an important and growing market for modern poultry production. Together, we look forward to helping producers benefit from smarter and more efficient farm automation."

With this new partnership, Fancom and Abdulmohsen Al Sahli Trading look forward to contributing to the continued development of efficient, sustainable and future ready poultry production in Saudi Arabia.



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MUNTERS ACQUIRES ANIMAL HEALTH MONITORING INNOVATOR OPTIFARM

Munters, a global leader in technologies that optimize climates, has acquired Optifarm, a UK-based provider of AI-driven livestock monitoring solutions. The acquisition strengthens the offering of operational intelligence solutions from Speria, the commercial brand for Munters FoodTech business area.

Optifarm's technology analyzes real-time animal behavior and environmental signals, such as water consumption patterns, to detect early signs of health deviations. These insights are translated into actionable insights that can be integrated into Speria's connected solutions of hardware, software and expert services.

"With Optifarm, we strengthen how animal health intelligence is embedded into mission-critical operations," says Pia Brantgärde Linder, President of FoodTech and GVP of Munters Group. "Their expertise in translating real-time animal signals into decisions supports how we connect data, software with controllers to generate impact. This is a key step in building more predictive and autonomous operations over time."

BIOCHEM LAUNCHES CALMSOUL: A NATURAL, NON-SEDATIVE PASTE FOR PET EMOTIONAL BALANCE

Biochem announced the launch of CalmSoul, an innovative natural complementary feed designed to support the emotional well-being of cats and dogs. CalmSoul was developed to meet the growing demand for gentle stress management in companion animals. The formula utilizes a science-backed blend of botanical extracts and essential nutrients. This combination promotes relaxation during both situational and everyday stressors. The product is available immediately in a palatable paste format, ensuring easy administration for pet owners.

The formula utilizes a multi-

targeted approach to the nervous system. CalmSoul combines valerian root and passionflower, botanicals recognized for their ability to ease anxiety and minimize restlessness, with L-tryptophan. As an essential amino acid and a precursor to serotonin, L-tryptophan plays a critical role in mood regulation and healthy sleep patterns.

"With CalmSoul, our goal was to provide pet owners with a reliable, natural, and gentle alternative to traditional sedatives," said Kajsa Noréus, Product Manager at Biochem. "By supporting the sensitive nervous system of pets through targeted

supplements, we enable them to remain calm and alert rather than drowsy. This ensures they can navigate challenging environments, like travel or thunderstorms, with confidence and a higher quality of life."

CalmSoul is engineered for maximum flexibility, making it suitable for long-term daily support or immediate situational use. It is specifically recommended for common triggers such as:

- Loud noises: Fireworks and thunderstorms.
- Routine changes: Veterinary visits and grooming.
- Life transitions: Moving house or new family members.



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VIV SELECT CHINA 2026 CLOSES WITH RECORD GROWTH AND STRONGER GLOBAL TRADE TIES

Organized by Globus Events and VNU Europe, VIV Select China 2026 concluded successfully at the Shanghai World Expo Exhibition & Convention Center (SWEECC) on August 19–21. Backed by the global network of VIV Worldwide, the event brought together leading industry resources, cutting-edge technology, and cross-border trade channels from around the world, creating a premier platform for China's livestock export industry.

This year's show set a new scale record, covering 50,000 square meters and drawing 550 exhibitors from 20 countries and regions, a 36.7% year-on-year increase. Exhibitors included companies from the Netherlands, the United States, Denmark, France, Brazil, Germany, Italy, Turkey, South Korea, Malaysia, and India, showcasing solutions in digital aquaculture, low-carbon farming, biosafety, and nutrition optimization.

Professional visitor attendance reached 20,300 from 113 countries and regions, with overseas visitors tripling year-on-

year, a clear boost to the show's international reach and influence.

Spanning the entire industry chain, the show paired a broad range of products with forward-looking concurrent events. Over three days, domestic and international professionals connected for efficient trade matchmaking, with lively on-site negotiations sparking a new wave of cooperation across the global livestock industry.

VIV Select China 2026 introduced a dedicated innovation zone showcasing how the industry is upgrading in practice. The newly expanded "V-AI + Smart Animal Husbandry" area brought together more than 15 global leaders in smart farming technology, demonstrating real-world applications, from integrated big-data platforms and intelligent feeding to environmental monitoring and inspection robots. Together, these presentations offered overseas markets a working model for digital transformation in animal husbandry.

ORFFA LAUNCHES NEW SCIENCE LAB IN BREDA TO DRIVE CUSTOMER-FOCUSED INNOVATION

Orffa officially opened the Orffa Science Lab in Breda, the Netherlands, marking an important step in the company's commitment to science-driven innovation in animal nutrition. The lab strengthens Orffa's scientific capability by connecting research, diagnostics and expertise with practical application. The opening brought together colleagues, customers, partners and scientists around a shared purpose: to understand more, learn more and explore how science can create customer value across the animal nutrition chain.

The afternoon programme featured keynote presentations by two leading academics in animal nutrition and health, underlining the scientific foundation of the Orffa Science Lab. Prof. Richard Ducatelle and Prof. Leo den Hartog shared their expertise on gut health, novel diagnostic techniques, antimicrobial resistance and developments shaping the future of the sector.

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IFHC AND EKTHAR CONCLUDE SUCCESSFUL PARTICIPATION AT ADIHEX 2026

The International Fund for Houbara Conservation (IFHC) and Ekthar Wildlife Development have concluded their successful participation in the 23rd Abu Dhabi International Hunting and Equestrian Exhibition (ADIHEX), following ten days of public engagement, scientific showcases, educational activities and dialogue with falconers, researchers, students, families and conservation partners.

Held from 28 August to 6 September 2026 at

ADNEC Centre Abu Dhabi, the exhibition provided an important platform for the Sheikh Zayed Houbara Conservation Programme to present nearly five decades of achievements and highlight the science, technology and partnerships shaping its future.

Carrying the message "The Legacy Lives On", the joint IFHC-Ekthar pavilion hosted a programme of workshops, demonstrations and educational activities, engaging audiences from across the community.

HENDRIX GENETICS EXPANDS IN IBERIA WITH PINTOBAR ACQUISITION

Hendrix Genetics announces that it has acquired 100% of the shares of Pintobar Exploração Avícola, Lda., effective July 31, 2026.

The acquisition marks an important step in Hendrix Genetics' long-term commitment to the Iberian egg and poultry industry, strengthening its local production footprint and enhancing its ability to serve customers across Portugal, Spain and export markets.

Hendrix Genetics and Pintobar have worked together for many years, building a strong partnership to supply egg and poultry producers with high-quality genetics and technical support. The acquisition builds on this long-standing relationship and creates new opportunities to

further enhance operational excellence, customer service, and supply security throughout the region.

Founded in 1982, with roots in poultry production dating back to the 1960s, Pintobar operates breeder rearing facilities, hatching egg production farms and hatcheries, supplying customers in Portugal and international markets. Throughout its history, the company has earned a reputation for technical expertise, product quality and reliability, supported by continuous investment in production technology and a highly experienced team. Pintobar generates annual revenues of approximately €20 million and employs around 125 people.



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SPACE 2026: 40 EDITIONS DEDICATED TO LIVESTOCK FARMING

From September 15th to 17th, 2026, the RennesParc expo will host the 40th edition of SPACE. Three days to discover, exchange ideas, and find inspiration in livestock farming and related professions.

Nearly 900 exhibitors are expected this year, including 280 from abroad. In a challenging environment for the agricultural sector, this level of participation

confirms SPACE's essential role for livestock professionals. Spread across 16 hectares, agricultural equipment, technological innovations, and genetic expertise come together in a setting unique in Europe.

This edition places sustainable water management at the heart of the discussions. Faced with climate change and increasing pressure on resources, the "Space for the

Future" will offer testimonials from farmers, workshops with experts, and three major debates open to all. Concrete solutions for farms today and tomorrow.

The Genetics Show brings together 530 cattle of 13 different breeds and 150 sheep and goats. Three national events will highlight the event: the National Rouge des Prés, the National Normandy Challenge, and the National Vendée Sheep Show. An exceptional spectacle, rare in Europe.

The Innov'SPACE competition recognizes the best innovations serving livestock farmers each year. In 30 editions, more than 1,480 innovations have been awarded prizes by an independent jury of some sixty experts. The 2026 winners announced in July.

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VILOFOSS AND PARTNERS BREAK GROUND ON NEW PRODUCTION PLANT IN UZBEKISTAN

The new facility is being developed together with the Uzbekistan Poultry Association and Parranda Investment. Once completed, it will manufacture premixes and mineral feeds under the Vilofoss brand. It will also strengthen the local supply of high-quality nutritional solutions and support the continued development of poultry and livestock production in Uzbekistan. Representing Vilofoss at the ceremony were Torben Gosvig Madsen, Director International Business, and Valery Fisiuk, Export Manager Eastern Europe and Middle Asia.

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COBB STRENGTHENS CENTRAL ASIA SUPPLY WITH 100,000 CHICK PLACEMENT IN UZBEKISTAN



Cobb has reached a major milestone in its Central Asia growth strategy with the successful delivery and placement of 100,000 breeder chicks to long-term partner ZM Bobur in Uzbekistan.

The shipment, completed in May, represents the largest placement of Cobb chicks into Uzbekistan to date and marks the first stocking of ZM Bobur's newest breeder farm—a key step in the company's ambitious expansion plans.

The chicks were produced at Cobb's fully owned hatchery in Türkiye, using eggs sourced exclusively from Cobb-owned facilities in Europe and the United States. This integrated approach ensures full quality assurance alignment across the supply chain—from breeding to hatchery to delivery.

By hatching closer to the destination market, Cobb significantly reduces transit time compared to traditional import routes, helping improve chick condition on arrival and supporting strong early-life performance.

Cobb's focus on quality is reflected in consistently low

day-old chick mortality (DOA) and seven-day mortality rates, providing customers with confidence in both product and delivery systems.

The Türkiye hatchery plays a critical role in supporting customers across Central Asia, combining global genetics with regional proximity to optimise outcomes in challenging logistics environments.

ZM Bobur has worked exclusively with Cobb for over 10 years. The new breeder farm is part of a wider expansion strategy that will see the company reach 1 million hatching eggs per week by 2027, with longer-term plans targeting 3 million eggs per week.

This latest placement represents the first stage in that growth journey. Abdullah Vahab, owner of ZM Bobur, commented: "Our partnership with Cobb over the past decade has been built on consistent quality and reliable supply. This latest placement is an important milestone for our business as we expand our operations, and the ability to receive high-quality chicks from a regional hatchery in Türkiye supports both performance and future growth."

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.

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VIV AFRICA 2026: A LOOK AT WHO'S COMING TO KIGALI



With VIV Africa 2026 set to open its doors from 7 to 8 October at the Kigali Convention Centre, the show's exhibitor and delegate line-up is taking shape, and it paints a clear picture of an industry converging on Rwanda's capital to do business. Preceded by a dedicated Leadership Conference on 6 October, the

fifth edition of VIV Africa brings together producers, suppliers, investors and policymakers from across the feed to food value chain.

VIV Africa has built its reputation as the meeting point for professionals working across East Africa, Sub-Saharan Africa and the wider international agrifood community. Visitors

include farm owners and operators, feed millers, hatchery and breeding specialists, veterinarians and animal health professionals, processors, distributors, investors and government stakeholders, all drawn by the chance to compare solutions from international and regional suppliers side by side.

That business focus is sharpened by two dedicated platforms running alongside the exhibition. The Investment & Market Access Forum connects investors and policymakers with businesses across the region, while the Hosted Buyer Program brings senior purchasing decision-makers directly to the show floor for scheduled introductions with exhibitors.

About 150 exhibitors from around the world will fill the show floor, organized across five core sectors that trace the journey from feed to food.

VETCONVERGENCE 2026 – 2ND EDITION OF VICE CHANCELLORS MEETS SUPPORTED BY IPEMA-POULTRY INDIA CONCLUDES SUCCESSFULLY

VETCONVERGENCE 2026 brought together more than 30 Vice-Chancellors to impact actionable roadmap for the sustainable growth of the livestock and poultry sectors.

The 2nd Edition of the Vice-Chancellors' Conclave – VETCONVERGENCE 2026, organized by Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur and supported by Indian Poultry Equipment Manufacturers Association (IPEMA)–Poultry India, was successfully held on 10th and 11th July 2026 at Hotel AVASA, Hyderabad.

The two-day event brought

together more than 30 Vice-Chancellors from veterinary universities across India, policymakers, scientists, academicians, and industry leaders under the theme "Aligning Livestock Research with Industry Demand and Entrepreneurship Development." The conclave focused on strengthening academia-industry collaboration to drive innovation, entrepreneurship, and sustainable growth in the livestock and poultry sectors.

Hon'ble Shri Bandaru Dattatreya, Former Union Minister, Government of India and former Governor of

Himachal Pradesh, graced the conclave as Chief Guest. In his inspiring address, he emphasized making veterinary education and research more practical, industry-focused, and impact-oriented. He highlighted the need for universities to produce employable graduates equipped with hands-on skills and an entrepreneurial mindset, while stressing demand-driven research, technology transfer, and university-industry partnerships. Shri Dattatreya also specifically highlighted the involvement of the female workforce in the poultry sector, promoting inclusive growth.

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ALLTECH INTRODUCES REVELEX™ RANGE OF SOLUTIONS FOR ANAEROBIC DIGESTION SYSTEMS

Alltech, a global leader in animal health and nutrition, has introduced REVELEX™, an integrated solutions range for anaerobic digestion to unlock more energy from feedstock. Built on Alltech's expertise in biological science, REVELEX combines targeted technologies with advanced diagnostics and advisory services to optimize biogas production and system efficiency and deliver measurable performance outcomes.

REVELEX is based on a feedstock-led approach, tailoring solutions to the type of material entering the

digester — from fiber-rich crops and food waste to liquid manures and nutrient-limited systems. This enables operators to maximize methane yield, reinforce process stability and optimize the extraction of energy from existing resources.

"Many anaerobic digestion systems operate below their potential due to variability in feedstocks and difficulty maintaining optimal biological conditions. That is why we are excited to introduce REVELEX, moving beyond products to a performance and reliability partnership that combines

biological science, diagnostics, and advisory services while focusing on real-world outcomes, not just inputs," said Dr. Patrick Ward, Europe and Asia-Pacific applications manager at Alltech. "Our research in the anaerobic digestion space is yielding very encouraging results, supporting renewable energy production and sustainability goals and helping farmers and operators unlock more value from existing resources, improving both economic return and environmental impact."

BROILER PRODUCTION: IDOL 29 TURNS THE CONTROL PAN INTO A RELIABLE PACE-SETTER



Broiler growers know the purpose of control pans in broiler houses: located at the end of the feed line, the control pan signals when new feed should be dispensed. If this pan works reliably, the entire line

runs smoothly. If it does not, the farmer will notice at the latest during the inspection rounds: the birds are anxious. iDOL 29 is a feed sensor developed specifically for control pans. It has two benefits that make a big difference in poultry houses: integrated LED illumination and configuration via smartphone.

Illumination sounds simple, but it has a very tangible effect: birds accept an illuminated feed pan more easily. They empty such pans more often, which is exactly the point. Because only when the control pan is emptied consistently is fresh feed dispensed into the line reliably.

Supply security starts at the control pan.

Contactless configuration of features such as the sensor's sensitivity, on and off delays, timer function or LED status is easy: open the app – set the parameters – touch the smartphone to the housing – done!

A particularly practical benefit is that settings can be saved and transferred to any number of sensors. Farmers with multiple houses or locations do thus not need to change parameters manually time and again: configured correctly once, the settings can be applied to all sensors.

iDOL 29 comes pre-assembled with the inner cylinder so no additional brackets are required. Retrofitting is no problem: iDOL 29 fits most Big Dutchman feed pans.

AT EUROTIER 2026: SPOTLIGHT ON ROBOTICS IN LIVESTOCK FARMING

More than 2,100 exhibitors from over 50 countries expected – Broad technical programme including a focus on robotics – DLG Spotlight: Barn Robot Event – Guiding theme “Intelligence in Animal Farming” – 10–13 November 2026 in Hanover, Germany– eurotier.com

Robot-assisted automation is evolving rapidly and opening up new areas of application. Automated milking, feeding and cleaning systems are reducing the workload on farms, increasing precision in livestock operations and helping to address the shortage of labour. At the same time, animal welfare, animal health and environmental performance benefit from these technologies. EuroTier 2026 will showcase, live in Hanover, Germany, which innovative solutions in milking technology are already market-ready and how they are shaping the dairy barns of the future through the DLG Spotlight “Barn Robot Event.”

EuroTier, the world’s leading trade fair for professional livestock farming and management, will take place from 10 to 13 November 2026 in Hanover, alongside EnergyDecentral, the international trade fair for decentralised energy supply. Under the guiding theme “Intelligence in Animal Farming,” more than 2,100 companies and organisations from over 50 countries will present innovations and strategies for the future of livestock production across 13 halls and 220,000 square metres of exhibition space.

The use of robotics and automated systems in livestock

farming has been increasing across Europe for years. The primary aim is to support farmers by reducing physically demanding and time-intensive tasks, improving operational accuracy and addressing the growing shortage of skilled labour in agriculture.

Labour relief as a key advantage

A major advantage of robotics in livestock farming is the significant reduction in manual labour. Many routine daily tasks such as milking, feeding, manure removal and bedding are now automated. This gives farm managers and employees more time for other essential activities, such as animal monitoring and farm management.

Robotics has made particularly strong progress in dairy farming over recent decades. A milking robot can carry out up to 200 milkings per day. For farmers, this represents a considerable relief, as fixed milking times in the early morning or on weekends are no longer necessary. At the same time, their quality of life, and that of their families, improves significantly.

Feeding processes are also increasingly automated. Modern feeding robots mix individual feed components and deliver fresh rations to the animals several times a day. As a result, the time required for feeding can be reduced by up to two-thirds. Automated feeding systems retrieve hay, silage as well as



mineral and protein supplements from storage units and prepare precisely balanced rations. During feeding, the systems also push the feed towards the edge of the feed table so that animals can access it easily at all times.

In addition to milking and feeding robots, cleaning and manure removal robots are becoming increasingly important. They clean barn alleys and housing surfaces autonomously, ensuring hygienic conditions in the barn. Scraper robots are now considered indispensable on many farms and are often integrated directly into newly designed housing systems.

Automated systems are also increasingly used in poultry farming. For example, robots move autonomously through poultry houses for chickens and turkeys, using light signals, sounds and movement stimuli to keep the animals active. At the same time, modern robotic systems perform monitoring tasks and collect important data on barn climate conditions.

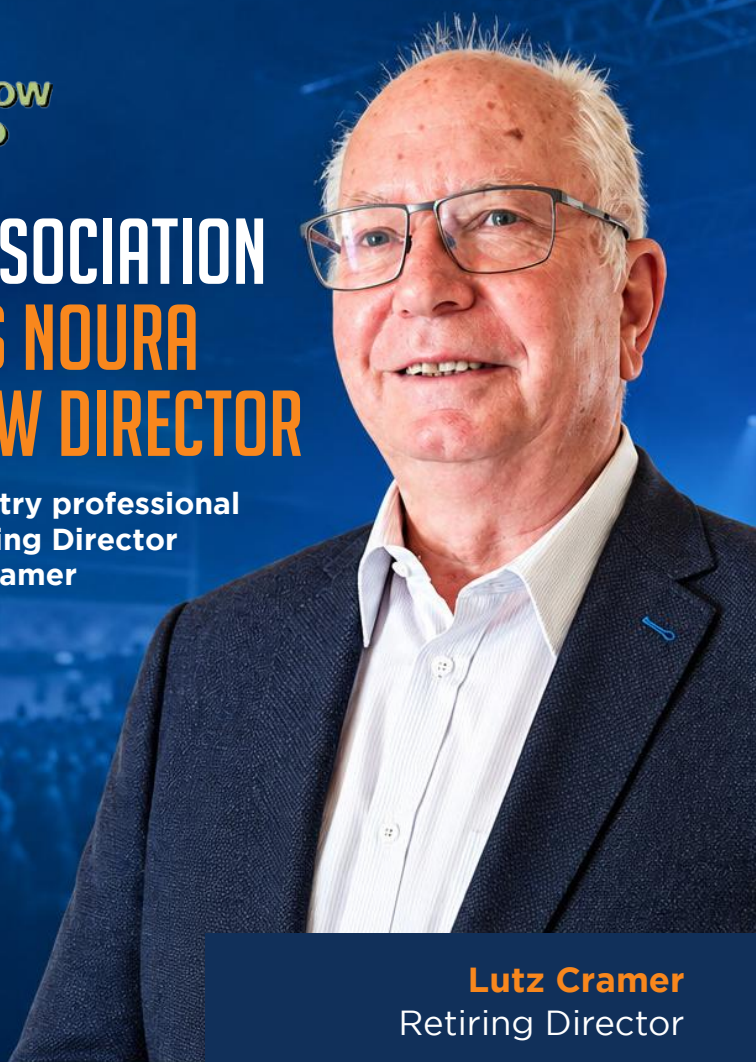


SHOWCO ASSOCIATION APPOINTS NOURA ELLOUZ AS NEW DIRECTOR

Experienced industry professional
succeeds retiring Director
Lutz Cramer



Noura Kuppens-Ellouz
New Director



Lutz Cramer
Retiring Director

ShowCo Association has announced the appointment of Noura Ellouz as its new Director, effective 1 August 2026.

As a former member of ShowCo Association and an exhibitor at numerous international trade shows, Ellouz brings extensive industry knowledge and valuable firsthand experience to her new role. Her familiarity with the association and the global exhibition sector will support ShowCo's continued development and service to its members.

Ellouz succeeds Lutz Cramer, who retires after serving as Director of ShowCo Association for three years.

Cramer began his career in the poultry industry in 1981 as General Manager of the Lohmann Export office in Baghdad, Iraq.

"SHOWCO ASSOCIATION WAS FORMALLY ESTABLISHED AS A LEGAL ENTITY IN 2008. SINCE THEN, IT HAS SUPPORTED COOPERATION, INTERNATIONAL VISIBILITY AND TRADE-SHOW PARTICIPATION AMONG COMPANIES SERVING THE POULTRY AND LIVESTOCK INDUSTRIES."

During this period, Lohmann was involved in the development of three large broiler farming projects. Each farm was designed with an annual production capacity of approximately 12 million broilers and comprised 100 broiler production houses and 30 parent-stock houses.

Throughout his long career, Cramer held several senior international positions, including

Export Manager and Sales Director at Hellmann Poultry, Farmer Automatic and Fienhage. He spent approximately 25 years with Farmer Automatic, during which he played an important role in the establishment of ShowCo Association.

ShowCo Association was formally established as a legal entity in 2008. Since then, it has supported cooperation, international visibility and trade-show participation among companies serving the poultry and livestock industries.

The association extends its appreciation to Lutz Cramer for his dedicated service and warmly welcomes Noura Ellouz as she begins her new leadership role.



USSEC HIGHLIGHTS HOW HIGH-QUALITY SUSTAINABLE FEED INGREDIENTS CAN BOOST THE REGION'S AQUACULTURE PERFORMANCE

Investing in superior quality aquafeed is essential for aquaculture's long-term success. At AquaCON, hosted by the U.S. Soybean Export Council (USSEC) in collaboration with WorldFish Egypt, U.S. soybean farmers, educators, nutritionists, and aquaculture's most prominent voices from across the Middle East, North Africa and South Asia (MENASA) region gathered to discuss forward-thinking strategies, best practices, and the role of feed in sustainably growing the industry.

Production from global fisheries and aquaculture reached a new record of 235 million tonnes in 2024, underscoring the industry's important role in feeding the world. Regionally, Egypt is Africa's largest aquaculture producer and a top 2 market for whole U.S. soybeans. Bangladesh is the sixth-largest global aquaculture producer and South Asia's largest market for U.S. soybeans. These rapid

growth trajectories demonstrate U.S. Soy's growing presence and potential in the region.

Consistency: The Foundation of Performance Optimization

U.S. soybean meal is proven to deliver superior results when compared to soy from other origins. Research shows that whole U.S. soybeans have 5x less damage than Brazilian soybeans. Unlike South American soybeans, which are grown in tropical climates, U.S. soybeans have the advantage of drying naturally in the sun. In contrast, South American soybeans are harvested in wet conditions, requiring excess moisture removal through mechanical wood-fired driers – a process that damages the soybeans while reducing their nutritional integrity.

U.S. soybeans, therefore, are drier, have lower heat damage, higher digestibility, and, in turn, greater metabolizable energy. These qualities translate into improved aquaculture performance.

"The consistent superior quality that U.S. soybean meal brings to the feed mills allows aquaculture producers to minimize safety margins and operational costs," adds Kevin Roepke, Executive Director – MENASA at USSEC. "This consistency and reliability put U.S. Soy ahead of its competitors."

Sustainably Nourishing the World

U.S. Soy is verified sustainable and has the lowest carbon footprint compared to soy from other origins. An extensive third-party audit program known as the U.S. Soy Sustainability Assurance Protocol (SSAP) ensures that U.S. Soy is sustainably produced, helping international customers meet their ESG requirements.

"U.S. Soy farmers care deeply about sustainability," added Roberta Simpson-Dolbeare, USSEC Vice Chair and U.S. soybean farmer from Illinois. "From the soil to harvest, we make sure sustainability is integrated across our growing practices."

As producers in the MENASA region expand aquaculture operations to meet growing protein demands, U.S. soybean meal can play a crucial role as a reliable, high-quality, sustainable feed ingredient.

"U.S. SOY FARMERS CARE DEEPLY ABOUT SUSTAINABILITY," ADDED ROBERTA SIMPSON-DOLBEARE, USSEC VICE CHAIR AND U.S. SOYBEAN FARMER FROM ILLINOIS. "FROM THE SOIL TO HARVEST, WE MAKE SURE SUSTAINABILITY IS INTEGRATED ACROSS OUR GROWING PRACTICES."

BEYOND PROTEIN DIGESTION: SUPPORTING POULTRY PERFORMANCE THROUGH INTESTINAL RESILIENCE



Poultry meat plays an important role as an affordable and widely available source of animal protein across the Middle East and Africa. However, producers face high temperatures, intensive stocking conditions, persistent disease pressure, variable feed quality, and increasing demands to reduce routine antibiotic use. Under these challenging conditions, improving nutrient utilization while maintaining intestinal health is essential for consistent poultry production.



Figure 1. The Meaning Behind PEARLZYME®

A Protease Originating from Korea's West-Coast Mudflats

PEARLZYME® was developed from a protease produced by *Bacillus clausii*, a microorganism isolated from the tidal mudflats of Korea's west coast. Mudflats are dynamic natural environments where temperature, salinity, oxygen availability, moisture, and other conditions continually fluctuate (Figure 1).

Enzymes originating from microorganisms adapted to harsh or highly variable environments are often referred to as extremozymes. Inspired by this concept, the protease in PEARLZYME® was developed

for animal nutrition with a focus on stability and improved protein utilization.

Feed enzymes encounter varying temperatures during feed processing and different pH conditions within the gastrointestinal tract. As an environmentally robust, extremozyme-type protease, PEARLZYME® demonstrates excellent heat and pH stability, helping maintain enzyme activity and support protein digestion under a wide range of conditions. In addition to its primary protease function, PEARLZYME® also contains a probiotic component.

Connecting Protein Digestion with Gut Health

Efficient protein digestion offers benefits beyond amino acid availability. When protein is not sufficiently digested in the upper gastrointestinal tract, more undigested protein reaches the hindgut, where it may serve as a substrate for undesirable microbial fermentation and disturb the intestinal environment.

By supporting the breakdown and utilization of dietary protein, PEARLZYME® helps reduce the amount of undigested protein entering the lower intestine. This can contribute to a more balanced intestinal environment while supporting feed efficiency and productive performance. This is particularly valuable when feed costs are high or protein ingredient quality is variable. For producers facing variable raw materials, improved nutrient utilization can also support more flexible feed formulation.

Potential Demonstrated in a Broiler Study

A controlled broiler study conducted at the University of Georgia evaluated PEARLZYME® and a probiotic-enriched PEARLZYME® formulation with an increased level of its probiotic component. The study assessed nutrient utilization and growth performance, as well as intestinal responses under an immune challenge using lipopolysaccharide (LPS). The findings have been accepted for publication in *Poultry Science*.

PEARLZYME® significantly improved energy utilization during days 14–21. Compared with the control, apparent metabolizable energy (AME) increased from 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).

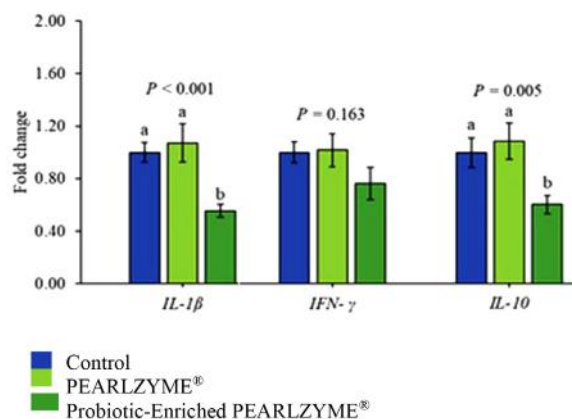
The Probiotic-Enriched PEARLZYME® formulation

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

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 ($P < 0.05$).

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



showed additional responses under the LPS challenge. Birds receiving this formulation had lower expression of selected inflammatory cytokines, including IL-1β, together with improved growth during the later phase of the study. The researchers suggested that the higher probiotic level may have contributed to intestinal homeostasis and inflammatory resilience beyond the direct nutrient-hydrolyzing effects of protease (Figure 2).

These findings reinforce PEARLZYME®'s established role in nutrient utilization while highlighting the potential benefits of further enhancing its probiotic component to support intestinal resilience. This broader approach may be particularly relevant where birds are exposed to multiple nutritional, environmental, and physiological challenges at the same time.

A Practical Strategy for Challenging Production Conditions

Heat stress, disease pressure, variable feed quality, and reduced antibiotic use can weaken intestinal resilience and affect poultry performance.

PEARLZYME® is a highly stable, mudflat-derived protease that supports efficient protein digestion and nutrient utilization. Building on these benefits, PEARLZYME®-based formulations show potential to support intestinal resilience and consistent performance under challenging production conditions.

For more information, contact: yjlee@soltonbiochem.com



Figure 1. Medivac Gumboplex

MEDIVAC GUMBOPLEX: PROTECTION BEYOND MATERNAL ANTIBODY BARRIERS

How Medivac Gumboplex simplifies Gumboro vaccination for broilers and layers

Gumboro disease remains one of the most economically damaging immunosuppressive diseases in poultry production. Despite advances in vaccination programs, fluctuating maternal-derived antibody (MDA) levels continue to complicate vaccination timing, creating immunity gaps that increase the risk of Gumboro outbreaks. Vaccination too early may result in vaccine neutralization by MDA, while delaying vaccination can leave chicks unprotected during their most vulnerable period. In the Middle East, where production

systems often face variable field conditions, achieving reliable protection against Gumboro remains a major challenge.

In contrast to conventional vaccination, which relies on the chick's own immune response, Medivac Gumboplex (Figure 1) is developed using immune complex technology, containing hyperimmune serum that adapts to the presence of MDA. As MDA levels decline (Figure 2) the hyperimmune serum is gradually released, allowing an immune response to stimulate immunity at the appropriate

time. This is particularly relevant at hatch, when chicks are still immunologically immature and more susceptible to infection challenges. This mechanism helps ensure that immunity develops at the optimal moment, regardless of initial antibody levels. Passive immunization using specific antibodies (IgY) can help reduce infection pressure and support early protection during the critical immunity gap in poultry.

Hyperimmune serum has the ability to bridge the immunity gap caused by uneven maternal antibody levels. Instead of

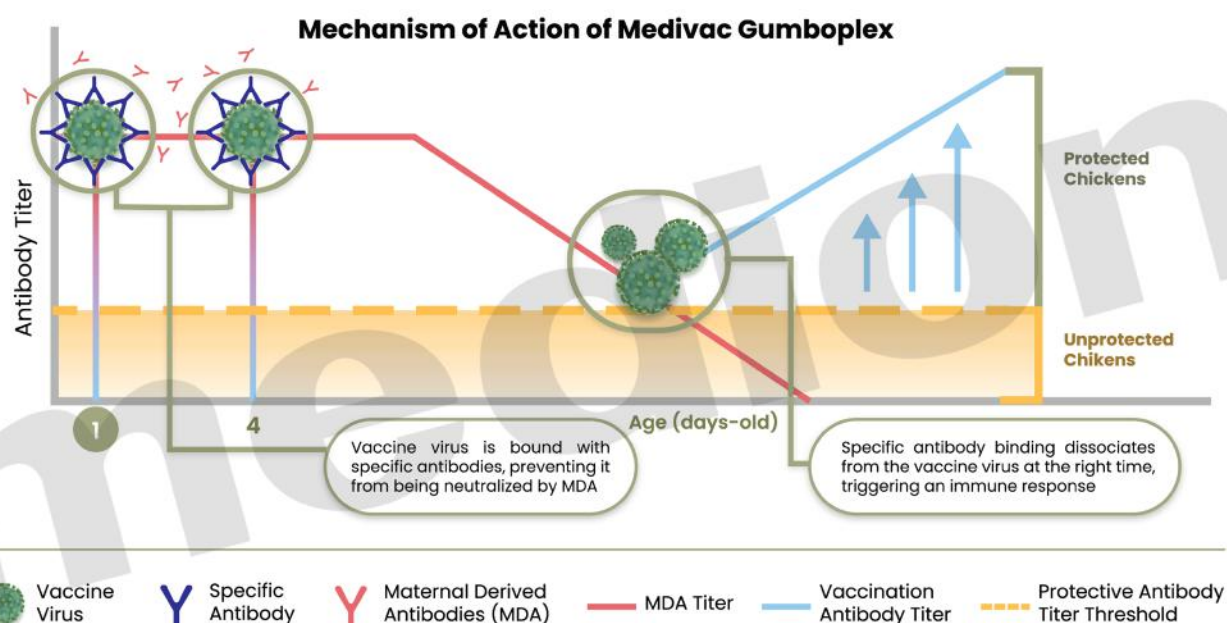


Figure 2. Mechanism of Action of Medivac Gumboplex

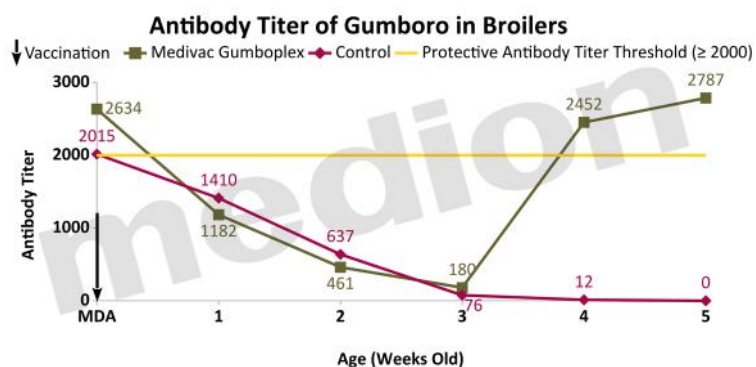


Figure 3. Antibody Responses in Broilers

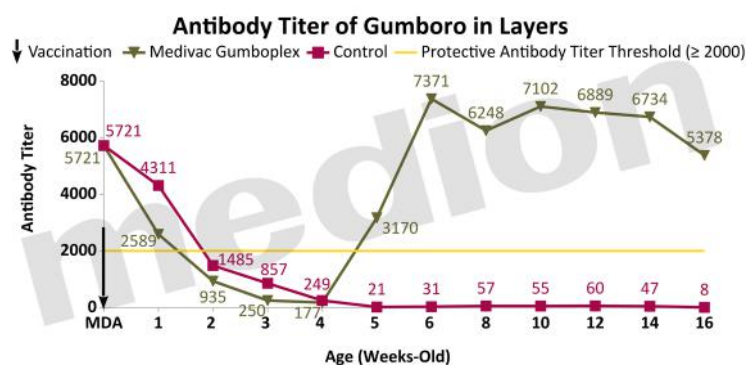


Figure 4. Antibody Responses in Layers

depending entirely on precise vaccination timing, it provides a more consistent baseline of protection across the flock. This reduces variability between birds, which is a common challenge under field conditions. In many cases, conditions are not always ideal, and variations between flocks are difficult to avoid. Having a solution that can perform consistently under these conditions becomes important. A more adaptable approach allows farmers to maintain better control and achieve more predictable outcomes across different production cycles.

Medivac Gumboplex offers practical advantages in vaccination management and is designed for single-dose administration at day-old, eliminating the need for complex vaccination schedules later in the production cycle. This approach simplifies hatchery operations and reduces the dependency on precise field timing, which can often be difficult to manage under commercial conditions.

The effectiveness of this approach is clearly reflected in antibody titer profiles. In broilers, trial data show that chicks vaccinated with Medivac Gumboplex are able to reach protective antibody levels above the threshold (≥ 2000) and maintain them consistently during the early stages of growth (Figure 3). Even in the presence of varying MDA levels, the immune response remains stable. Compared to control groups,

vaccinated chicks demonstrate a more reliable antibody development pattern, reducing the risk of immune gaps that can lead to infection.

In layers, antibody titers remain above the protective threshold for up to 16 weeks. Trial data show that protective levels are sustained for up to 16 weeks, covering critical phases of growth and early production (Figure 4). This prolonged immunity is particularly valuable in layer operations, where maintaining flock health over a longer period is essential for productivity. By ensuring consistent protection, Medivac Gumboplex helps reduce the risk of Gumboro outbreaks, supporting productivity and minimizing potential economic losses.

Safety is also a key consideration in vaccine selection, especially during the early stage when the immune system is still developing. As observed across tested groups, Medivac Gumboplex maintains lesion scores at zero, indicating minimal impact on the Bursa of Fabricius while still delivering effective immune stimulation (Figure 5). This is important, as excessive bursa damage can affect immune response and overall flock condition. By maintaining bursa integrity while supporting immunity, Medivac Gumboplex helps ensure chick health and reduced risk of long-term productivity losses.

Uniformity of vaccine application is another important factor. By

administering the vaccine at the hatchery level, producers can ensure that all chicks receive consistent protection from the very beginning. This reduces variability within the flock, supports more predictable performance, and minimizes the risk of vaccination errors through simplified handling. Beyond disease prevention, effective Gumboro control also contributes to improved flock performance, better feed conversion, enhanced vaccine responsiveness, and reduced economic losses associated with immunosuppression.

Whether facing low or high Gumboro challenge, Medivac Gumboplex combines advanced immune complex technology with a single-dose application at hatch to provide consistent protection for both broiler and layer chicks. It is designed to reduce variability in protection and support a more consistent start for every flock. Because when consistency matters, protection should never be left to chance.

Group	Medivac Gumboplex	X Product	Y Product	Control
Macroscopic lesion				
	Normal	Inflammation on some part of plicae	Inflammation on some part of plicae	Normal
Bursa Size Lesion (BSL)	0	0,4	0,4	0
Bursa-to-Body Weight Index	0,37	0,26	0,30	1

Lesion Score :

- Score 0 : No lesion, bursa Fabricius normal
- Score 1 : 1 – 25% lesions in plicae of bursa Fabricius
- Score 2 : 50 – 75% lesions in plicae of bursa Fabricius, yellowish
- Score 3 : > 75% lesions in plicae of bursa Fabricius
- Score 4 : Atrophy

Average standard of BSL ≤ 2.0 (European Pharmacopoeia, 11th Edition, 2022)
Bursa-to-Body Weight Index ≥ 0.3 (Indonesian Veterinary Pharmacopoeia, 2015)

Figure 5. Safety Comparison of Various Gumboro Immune Complex Vaccines

MANAGING LAYER HEAT STRESS ACROSS THE MENA REGION

Heat stress is becoming an increasing challenge for poultry producers worldwide, particularly in the MENA region, where the layer industry continues to expand. In laying hens, high temperatures can reduce feed intake, egg production, and laying rate, ultimately affecting profitability. Nutrient-dense diets and targeted feed additives can help birds better cope with heat stress and maintain performance. Here's how.

By **Danielle Ayyash**, Layer Technical and Nutrition Unit Head, UTRIX S.A.L.

The poultry sector in the Middle East and North Africa (MENA) is playing an increasingly important role in global industry growth, while supporting rising demand for poultry meat and eggs and improving food security across the region. The Middle East is even one of the world's fastest-growing egg markets, making layer production an increasingly valuable source of animal protein. At the same time, the region faces challenges to sustaining this growth. One of them is the increasing frequency and intensity of extreme heat events. Recent studies indicate that the number of severe heat stress days is rising by 4-16 days per decade, putting additional pressure on poultry production.

Layers are extra sensitive to heat stress

Laying hens are highly sensitive to elevated temperatures and protecting birds from the negative effects of frequent and prolonged heat stress is therefore essential to maintain both productivity and profitability. High temperatures not only affect bird comfort and welfare but also disrupt feed intake, nutrient

A photograph of two white laying hens against a bright yellow background. The hen in the foreground is in sharp focus, looking slightly to the left. The hen in the background is out of focus, looking towards the right. The background has a subtle, darker yellow pattern.

Proper nutritional strategies can help birds better cope with high temperatures. Image: Freepik

absorption, and energy allocation leading to reduced egg production and compromised eggshell quality. With heat events becoming more frequent, egg producers in the MENA region must adopt strategies that protect both bird health and productivity. Managing heat stress effectively requires a holistic approach that combines proper nutrition, gut health support, and environmental management. Targeted nutritional solutions can help birds maintain feed efficiency, egg production, and shell quality, even during periods of extreme heat.

Impact on feed intake and energy allocation

One of the first responses of laying hens to high temperatures is a reduction in feed intake. Birds eat less feed to decrease the metabolic heat produced during digestion. While this response helps birds cope with heat, it also reduces intake of energy, amino acids, vitamins, and minerals required for egg production. At the same time, hens expend additional energy to maintain a stable body temperature. Birds dissipate heat mainly through panting and increased blood circulation to peripheral tissues, processes that require metabolic energy. As a result, a larger proportion of nutrients is used for maintenance and thermoregulation, leaving less energy available for productive functions such as egg formation. This combination of reduced feed intake and increased maintenance energy needs often leads to a decline in egg mass, reduced laying rate, and poorer feed efficiency. One important nutritional strategy is the use of nutrient-dense diets. By increasing metabolizable energy, digestible amino acids, vitamins, and minerals, it is possible to compensate for lower feed intake and ensure birds receive adequate nutrients to support egg production.

3 key nutritional tools to support layers

Proper nutritional strategies can help birds better cope with high

temperatures. In addition to increasing nutrient density, several nutritional tools support hydration, digestive health, nutrient absorption, and mineral metabolism.

1. The first key strategy is supporting hydration and osmotic balance. During heat stress, birds lose significant amounts of water and electrolytes due to panting and increased respiration. This can lead to dehydration and disturbances in acid-base balance, negatively affecting performance and welfare. A practical way is to mix a liquid mixture, formulated with betaine HCl, glycine, electrolytes, and plant extracts, to the drinking water. Betaine acts as an osmo-protectant, supporting cells in maintaining water balance and protecting vital cellular functions under thermal stress. Combined with electrolytes, it helps maintain hydration, acid-base balance, and metabolic stability, supporting overall bird resilience and performance during high temperatures.

2. Secondly, the negative effects of heat stress can be prevented by supporting gut health and microbial balance. Heat stress not only reduces feed intake but also disrupts gut integrity and microbial balance, limiting the digestion and absorption of critical nutrients such as amino acids, fatty acids, calcium, and phosphorus. When the intestinal lining is weakened, birds absorb nutrients less efficiently, further reducing egg production and eggshell quality. Maintaining a healthy gut is therefore essential for sustaining both productivity and resilience under high temperatures. Feed additives containing a combination of tributyrin and selected essential oils provides energy to intestinal cells and helps maintain intestinal integrity. The essential oils support a balanced microbiota, controlling harmful bacteria while promoting beneficial microbial populations. Together, these effects improve nutrient absorption, stabilize the gut environment, and

support overall bird performance during periods of heat stress.

3. Thirdly, improving nutrient digestibility and feed efficiency is key to keep production levels at the desired level. Heat stress reduces feed intake and can lower digestive efficiency, particularly fat digestion and absorption. Reduced bile secretion and enzyme activity may limit the bird's ability to fully utilize energy from the feed contributing to lower egg weight and poorer feed efficiency. One effective nutritional strategy here is to use a lysophospholipid-based emulsifier in the diet. This product enhances the emulsification of dietary fats, allowing digestive enzymes to break them down more effectively. This improves micelle formation and facilitates the absorption of fatty acids and fat-soluble nutrients, increasing overall energy availability. By improving fat digestion and nutrient absorption, birds are supported to maintain egg weight and feed efficiency, even when feed intake is reduced during heat stress.

Environmental management and producer support

As heat stress becomes an increasingly important challenge across the MENA region, a comprehensive approach is essential to protect both bird welfare and farm performance. Nutrient-dense diets, support for gut health, and optimized mineral and nutrient absorption help laying hens maintain feed efficiency, egg production, and eggshell quality, enabling them to better express their genetic potential under challenging conditions. Combined with effective environmental management, including adequate ventilation, cooling systems, access to clean water, shade, and appropriate stocking density, these nutritional strategies can help producers build more resilient layer operations in a hotter climate.



THE FUTURE OF POULTRY FARMING IN THE GULF: INNOVATION DRIVING SUSTAINABLE GROWTH

Advanced technology, precision farming and sustainable production systems are transforming the Gulf's poultry industry, strengthening food security and building a more efficient, resilient and self-sufficient regional supply chain.



By **Matthews Matthew**
Editor
Livestock & Poultry Middle East & Asia

The Gulf region's poultry industry is undergoing a significant transformation. Once heavily dependent on imported poultry products, Gulf countries are increasingly investing in modern production

systems to strengthen food security, enhance self-sufficiency and meet growing demand for safe, high-quality protein.

Driven by government support, private-sector investment and technological advancement, today's poultry farms are evolving into sophisticated operations where automation, digital technologies and precision management play an increasingly important role. Future success will depend not only on increased production, but also on greater efficiency, sustainability, biosecurity and operational resilience.

Food Security and Industry Growth

Food security remains a major strategic priority across the Gulf. Growing populations, expanding tourism and changing

consumption patterns have increased the need for a reliable and sustainable domestic poultry supply.

Governments across the GCC are encouraging investment through supportive policies, infrastructure development and public-private partnerships. Integrated operations combining breeder farms, hatcheries, feed mills, broiler production, processing and distribution are improving efficiency, strengthening supply chains and reducing dependence on imports.

Technology and Precision Farming

Technology is redefining poultry production. Advanced environmental control systems regulate temperature, humidity, ventilation and lighting,

maintaining optimal conditions despite the Gulf's challenging climate.

Automated feeding, watering and flock-management systems provide precise inputs while continuously monitoring performance. Digital platforms give farmers real-time information on feed conversion, body weight, mortality, water consumption and environmental conditions.

Artificial intelligence and advanced analytics are also emerging as valuable management tools, helping identify trends, detect early health or performance issues and support faster, data-driven decisions. Precision farming enables producers to improve bird health and productivity while reducing feed, water and energy consumption.

Sustainability and Biosecurity

Sustainability has become an important business strategy as well as an environmental responsibility. Poultry producers are investing in energy-efficient ventilation, solar power, water recycling and improved waste-management systems. Poultry litter can also be converted into organic fertiliser or renewable energy, contributing to a more circular agricultural economy.

At the same time, biosecurity remains essential. Restricted farm access, sanitation, vehicle disinfection, vaccination, pest



control and continuous flock-health monitoring help safeguard production and maintain consumer confidence. Regular employee training is equally important in ensuring effective biosecurity standards.

Nutrition and Skills

With feed representing the largest share of poultry production costs, nutritional efficiency remains critical. Precision feeding, specialised enzymes, probiotics, organic minerals and functional additives are improving feed conversion and bird performance. Research into alternative proteins and locally available feed ingredients may also help reduce exposure to fluctuations in global commodity markets.

As farms become more technologically advanced, skilled personnel will become increasingly important. Expertise in automation, equipment maintenance, data analysis, flock management and biosecurity will be essential for the

industry's future development.

Looking Ahead

The Gulf poultry industry has strong growth prospects, supported by population growth, urbanisation, expanding hospitality markets and rising demand for fresh poultry. Artificial intelligence, robotics, precision livestock farming, renewable energy, advanced genetics and digital supply chains are expected to shape its next phase of development.

Despite challenges including harsh climatic conditions, fluctuating feed costs and disease risks, continued investment in people, technology, biosecurity and sustainable production can further strengthen the industry's competitiveness. By embracing innovation, Gulf poultry producers are well positioned to meet rising demand while contributing to a more secure, sustainable and resilient regional food system.



AUTOMATED GRADING IN BROILER BREEDERS: INSIGHTS FROM COMMERCIAL FIELD DATA

A case study of an operation in Africa

Josefine Stuff (University of Applied Sciences Osnabrueck, Germany)

Johan Boonzaaier (Namib Poultry Industries, Namibia)

Body Weight Control: The Hidden Driver of Flock Performance

Body weight control is one of the most important management factors in broiler breeder production. Beyond achieving target weights, flock managers must ensure that birds develop consistently. Variability in body weight can complicate feeding programs, increase management complexity, and ultimately affect flock performance. Therefore, two key indicators are commonly used to assess flock structure: the coefficient of variation (CV), which reflects weight dispersion, and uniformity, which describes the proportion of birds within a predefined target weight range. Higher uniformity and lower variability are generally associated with improved management

outcomes and production performance (Abbas et al., 2010; Choi et al., 2026).

Traditional grading methods rely heavily on manual handling, require substantial labor, and provide only limited data. Automated grading systems aim to address these limitations by combining weighing, classification, and digital data collection within a standardized process. In this context, the present study evaluates an automated grading device (Agri Advanced Technologies, 2026) under commercial field conditions. The objective was to determine whether automated grading is associated with measurable differences in variability and uniformity and to assess the practical relevance of such systems for modern broiler breeder management.

Automated Grading: The GRADY System

The GRADY system is a computer-controlled grading system designed for broiler breeder operations. The system integrates weighing, classification, and digital data recording into a single workflow, allowing birds to be weighed and sorted according to predefined weight categories.

Each bird is weighed using a high-precision load cell and automatically assigned to one of up to three weight classes. Classification thresholds are established from an initial sample at the beginning of the grading process and subsequently applied to the flock. Individual weights are recorded digitally, enabling the automatic calculation of performance indicators such as average body weight, coefficient





of variation, and other flock-level parameters.

Under optimal conditions, the system can process up to 3,700 birds per hour, while practical throughput can exceed 2,600 birds per hour using a relatively small workforce (Agri Advanced Technologies, 2026). By standardizing both weighing and classification, the system seeks to reduce variation associated with manual procedures while simultaneously generating a more robust dataset for flock management.

Case Study: Implementation at Namib Poultry Industries

Namib Poultry Industries is one of Namibia's major integrated poultry producers, operating rearing houses, breeder farms, broiler farms, a hatchery, feed mill, and processing facilities near Windhoek.

The company operates nine rearing houses, each housing approximately 10,000 Ross 308FF breeders, and supplies a broiler production system that processes approximately 350,000 birds per week.

Operational performance data demonstrate high production standards. During the current financial year, breeder flocks achieved 196.67 eggs per housed

hen and 184.5 hatchable eggs per housed hen, using only clean nest-box eggs for incubation. Average flock uniformity increased from 88.5% prior to the implementation of automated grading to 94.3% after implementation.

To evaluate these observations, data from 3,803 birds were analyzed. Of these, 2,463 birds originated from manually graded flocks and 1,340 birds from automatically graded flocks. Statistical models accounted for age and sex to isolate the effect of grading strategy.

Results: Changes in Flock Structure

Clear differences emerged between manually graded and automatically graded flocks.

After adjusting for age and sex, automated grading was associated with a reduction in CV of approximately 0.70 percentage points. The effect was consistent across both sexes, with reductions of 0.76 percentage points in males and 0.64 percentage points in females.

At the same time, automated grading was associated with an increase in uniformity of approximately 3.28 percentage points. Similar improvements were observed in both males (+3.31 percentage points) and females

(+3.25 percentage points).

These findings indicate that automated grading contributed to a tighter clustering of body weights around the flock average, resulting in a more homogeneous flock structure.

The statistical models explained a substantial proportion of the observed variation, with R^2 values of 0.51 for CV and 0.54 for uniformity.

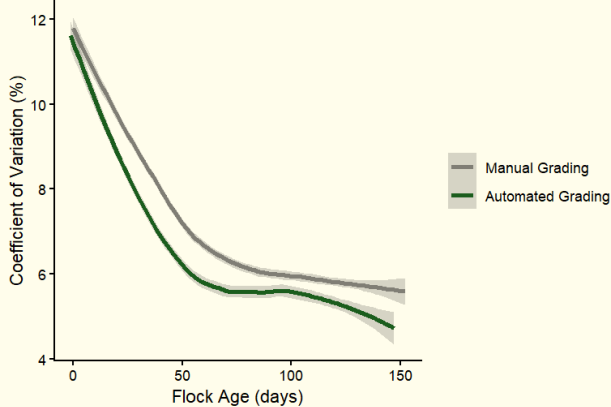
From Data to Decisions: Operational Impact

From a management perspective, a narrower weight distribution allows more birds to remain within target body-weight ranges. This improves feed allocation, simplifies flock management, and supports more synchronized flock development.

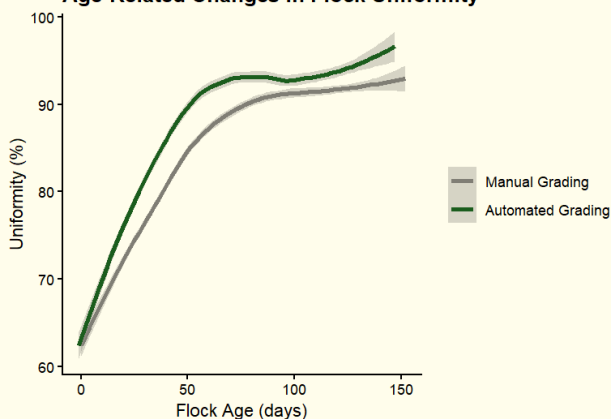
Higher flock uniformity is also associated with improved production outcomes. Previous research has shown that breeder flocks with higher uniformity achieve better hen-day production, hen-house production, and hatchability than less uniform flocks (Abbas et al., 2010). Furthermore, body-weight development itself is known to influence egg production, egg mass, and chick output (Noetzold et al., 2025).

The results observed at Namib Poultry Industries therefore suggest

Age-Related Changes in Weight Variability



Age-Related Changes in Flock Uniformity



that automated grading can improve flock consistency while supporting management objectives throughout the rearing period. Birds develop within a narrower weight range, management decisions can be applied to a more homogeneous population, and deviations from target weights are minimized and easily corrected.

Animal Welfare and Efficiency

Automated grading offers benefits beyond flock structure alone. Manual grading requires repeated

catching, handling, and sorting of birds, all of which demand labor and can introduce variation depending on operator technique. By integrating weighing and classification into a standardized process, automated grading reduces the frequency of handling and creates a more repeatable management workflow.

The digital recording of individual bird weights also provides managers with a more detailed understanding of flock structure than periodic sample weighing. Precision Livestock Farming technologies are increasingly being used to support both animal welfare and management decision-making through objective data collection (Rowe et al., 2019).

Toward Data-Driven Flock Management

The poultry industry is steadily moving toward more data-driven production systems. Automated weighing and grading technologies represent an important step in this transition by transforming weight measurements from occasional observations into actionable management information.

The collaboration between Namib Poultry Industries and

Agri Advanced Technologies will continue beyond this study. As a next step, Namib Poultry Industries plans to extend the existing GRADY platform with an automated vaccination system (personal communication). This will create new opportunities to evaluate how integrated weighing, grading, and vaccination technologies can support flock management, operational efficiency, and animal welfare under commercial conditions.

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THREE DECADES OF GROWTH, RESILIENCE AND COMMITMENT:

Celebrating 30 Years of Ross 308 in Syria

Aviagen® Türkiye, Middle East & Africa (TMEA) is celebrating a significant milestone with its long-standing distributor in Syria, Sayyad Poultry, which marks 30 years as an authorized distributor of the Ross® 308. The anniversary reflects three decades of collaboration built on trust, resilience and a shared commitment to supporting the poultry industry in Syria.

Having entered the poultry industry in 1970 producing broiler chicks, Sayyad Poultry earned a strong reputation for quality and professionalism. By the late 1990s, that reputation led to an important milestone when the company received its first Ross 308 Grandparent (GP) shipment, establishing the formal relationship with Aviagen that continues today.

Over the past 30 years, Sayyad Poultry has played an important role in supplying high-quality Ross 308 breeding stock to producers throughout Syria. Despite periods of economic uncertainty and regional conflict, the company has remained committed to maintaining high standards of flock health, biosecurity and customer support, helping poultry producers continue to succeed under challenging conditions.

"Our longstanding collaboration is a testament to the strength of our relationship and the shared values that have guided us

throughout the years," said Bulent Tanyildizi, Business Manager, Middle East & North Africa (MENA). "Their resilience, professionalism and unwavering commitment to supporting poultry producers, even during the most challenging circumstances, have made them an invaluable part of the Aviagen family. We look forward to continuing our collaboration for many years to come."

The Ross 308 has played an important role in that relationship, delivering consistent performance that has supported Sayyad Poultry's growth and success. Renowned for delivering reliable results under demanding regional conditions, the Ross 308 has enabled the company to expand from broiler production into GP and parent stock (PS) operations, while continuing to provide customers with confidence in their flock performance.

One of Sayyad Poultry's proudest achievements has been maintaining disease-free flocks and high standards of biosecurity throughout periods of regional instability, while rebuilding and expanding its operations to meet the country's growing parent stock requirements.

Throughout the changing needs of the poultry industry, Sayyad Poultry has remained focused on delivering reliable genetics while supporting food security and the long-term success of its customers.

Reflecting on the milestone, Ghaleb Sayyad, Owner, Sayyad Poultry commented: "For the past 30 years, the Ross 308 has been the backbone of our business. Its consistent performance and Aviagen's ongoing support have given us the confidence to grow, even during the most challenging times. Together, we have supplied outstanding genetics, supported our customers and contributed to strengthening Syria's poultry industry. We are proud of what we have achieved together and look forward to building on this success."

Looking ahead, Sayyad Poultry continues to invest in expanding its infrastructure to meet increasing demand for parent stock while strengthening its contribution to national food security. The company is also extending its distribution activities into Lebanon, alongside continued investment in new facilities to support sustainable long-term growth.



FEEDING COWS FOR MAXIMUM MILK PRODUCTION

Maximising milk production in today's high-yielding dairy cows requires more than just meeting the required megajoules (MJ) of energy, says Dr Richard Kirkland, Global Technical Manager for Volac Wilmar Feed Ingredients.

"Depending on stage of lactation, high-yielding dairy cows can require 400 MJ or more of metabolisable energy (ME) per day, and approximately 15 to 20% of that energy should be supplied from fat for optimal milk production efficiency," explains Dr Kirkland. "However, within rumen-protected fat supplements, individual fatty acids elicit different responses and partition nutrients towards different aspects

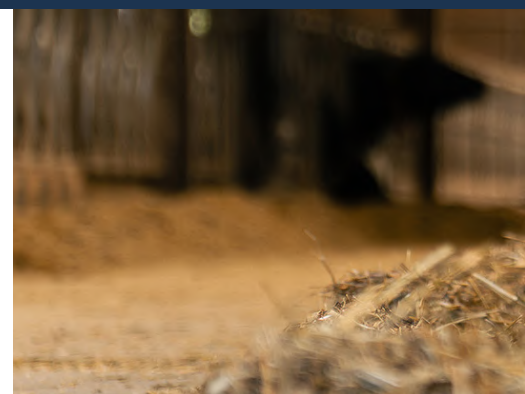
of performance. This creates opportunities to target milk yield and milk fat production while protecting body condition and fertility through strategic use of differing rumen-protected fat supplements."

Meet energy requirements while protecting rumen function

The first part of the energy supply equation for maximum milk production is providing energy without compromising rumen function. On paper, cereals are an attractive source of dietary energy because they are widely available and more energy-dense than forages. However, their high starch content leads to acid production in the rumen, increasing risk of acidosis, cautions Dr Kirkland.

"Energy supply and rumen function cannot be separated," says Dr Kirkland. "If the ration supplies more energy on paper but compromises rumen conditions, the cow may ultimately receive less energy from the total diet."

Containing around 2.5-times more energy than cereals, rumen-protected fat supplements provide a practical way of increasing dietary energy density without adding to the acid



load associated with rapidly fermentable starch. Manufactured to pass through the rumen before digestion in the small intestine, rumen-protected fat supplements increase energy supply without compromising rumen function.

Target fatty acids throughout lactation

Using rumen-protected fat supplements, optimising cow performance begins with matching the cow's stage of lactation and production objectives to the right fatty acid profile.

During the first 100 to 120 days in milk, cows experience their greatest energy demand as milk production outpaces feed intake. At this stage, feeding strategies should prioritise energy supply, and avoid compromising body condition and fertility.

"Supplements containing higher levels of rumen-protected oleic fatty acid (C18:1) are particularly



Dr Richard Kirkland,
Global Technical Manager for
Volac Wilmar Feed Ingredients



Strategically matching rumen-protected fatty acid profiles to a cow's stage of lactation can improve milk production, milk solids and long-term herd performance, says Dr Richard Kirkland, Global Technical Manager for Volac Wilmar Feed Ingredients.

valuable during early lactation," says Dr Kirkland. "C18:1 improves total fat digestibility, increasing the amount of energy extracted from the diet, while directing nutrients towards body condition. It has also been shown to support egg and embryo development, helping prepare cows for a successful breeding period."

"Supplements containing higher levels of palmitic fatty acid (C16:0) exert different effects in the cow," explains Dr Kirkland. "C16:0 directs nutrients towards the udder, increasing milk fat and milk yield, particularly beneficial once cows have recovered from the demands of early lactation."

"There isn't a single fatty acid

profile that's right for every cow throughout lactation," says Dr Kirkland. "Matching the fatty acid profile of a rumen-protected fat to the cow's changing nutritional priorities allows producers to support energy demands and minimise body condition loss in early lactation, and target other areas of production such as milk fat production with different fatty acid profiles if the milk contract requires."

Protect long-term cow performance

Selecting the right fatty acid profile isn't simply about increasing milk yield. Long-term profitability depends on maintaining body

condition, fertility and cow longevity alongside production. Excessive body condition loss during early lactation can reduce conception rates and delay the return to pregnancy.

Research from the University of Nottingham, UK, indicates that every 0.5-unit loss in body condition score can reduce conception rates by around 10%, reinforcing the importance of meeting energy requirements while protecting body reserves during early lactation.

"Ultimately, the goal is not simply to maximise milk yield, but to maximise lifetime performance," concludes Dr Kirkland. "When energy supply and fatty acid profiles are matched to the cow's natural production profile throughout lactation, producers can improve milk production, milk quality, fertility and overall herd profitability."

"ENERGY SUPPLY AND RUMEN FUNCTION CANNOT BE SEPARATED," SAYS DR KIRKLAND. "IF THE RATION SUPPLIES MORE ENERGY ON PAPER BUT COMPROMISES RUMEN CONDITIONS, THE COW MAY ULTIMATELY RECEIVE LESS ENERGY FROM THE TOTAL DIET."

WHY TIMING MATTERS IN OMEGA-3 FEEDING: BIOLOGICAL IMPROVEMENTS THROUGH TO FOOD ENRICHMENT

From broiler breeder diets before hatch to dairy transition programs around calving, targeted Omega-3 feeding can help create value at critical points in livestock production cycles.

For Gulf States' poultry and dairy producers, a more useful question is not only whether Omega-3 belongs in the ration, but when targeted Omega-3 nutrition may create the greatest biological and commercial value.

Broiler Breeders

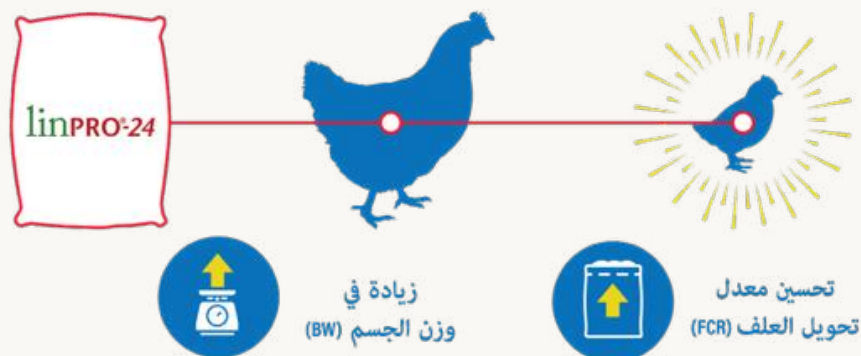
An anti-inflammatory, stress-reducing broiler breeder feeding program begins before hatch. University of Guelph (Canada) research conducted from 2020 to 2024, with O&T Farms support, reported that targeted Omega-3 feeding increased yolk Omega-3 deposition and was associated with higher progeny body weight (BW) and improved feed conversion ratio (FCR). The research used linPRO-24, O&T Farms' proprietary manufactured flaxseed/linseed-based Omega-3 feed ingredient.

Incorporating linPRO-24 into the breeder diet places Omega-3 in the developing chick's earliest nutritional environment, shifting the discussion beyond final-product enrichment toward earlier nutritional intervention.

Dairy

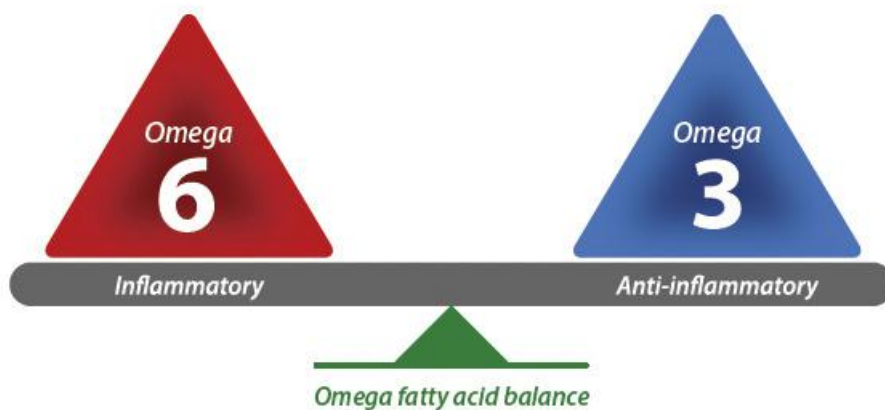
Timing is equally relevant to dairy production and health. Transition

from late gestation to early lactation places substantial metabolic and reproductive demands on the cow. linPRO-R, O&T Farms' ruminant-specific feed ingredient, has exceptional bypass value, allowing Omega-3 polyunsaturated fats to provide positive nutritional advancements. Targeted feeding strategies around freshening, early lactation and first insemination have



been researched. University and extension work from UC Davis, California, and Penn State reported higher milk yield, lower somatic cell count and fewer health events under specific feeding programs. Reproductive work also reported improved conception outcomes when linPRO-R was fed pre-partum to first-lactation cows.

The principle is not that one feeding window fits every operation. Rather, Omega-3 nutrition becomes more precise when a feeding strategy is matched to biological stage, production objective, and the complete ration. In poultry, the target may be the breeder-to-chick pathway. In dairy, it may be transition, freshening, or reproduction.



Omega-3 Food Products

Food enrichment across milk, dairy, chicken, and egg products remains an important downstream opportunity. linPRO-24 can increase Omega-3 in eggs and poultry meat, while linPRO-R can increase Omega-3 in milk and dairy products. The broader opportunity is to connect the right nutritional intervention with the

right production window.

That is where targeted Omega-3 feeding moves beyond ingredient inclusion. It becomes nutritional timing, using Omega-3 strategically at the stages where it can contribute most to performance, consistency, and value across the production chain.

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FREE FROM ADDITIVES**

**100%
DAIRY**

حليب
كامل يحتوي على
أوميغا-3
تغذية يومية أفضل للعائلة

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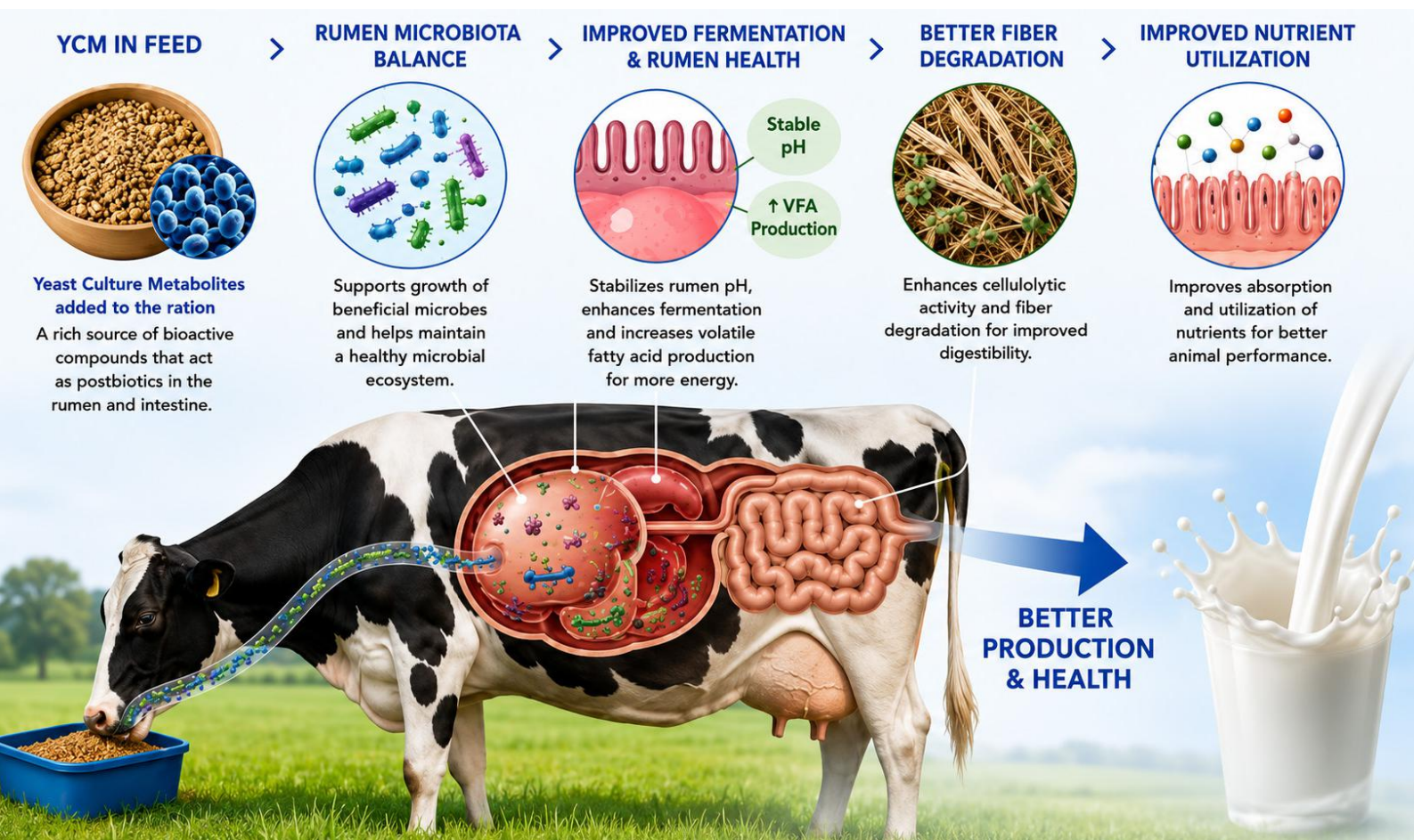
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Note: "Full citations for the University of Guelph, UC Davis, and Penn State research referenced above are available on request from O&T Farms."

MICRONUTRIENT-DRIVEN GUT HEALTH OPTIMIZATION AND TRANSFORMATIVE FEED TECHNOLOGIES:

Bridging the Gap toward Climate-Resilient Next-Generation Animal Food Security

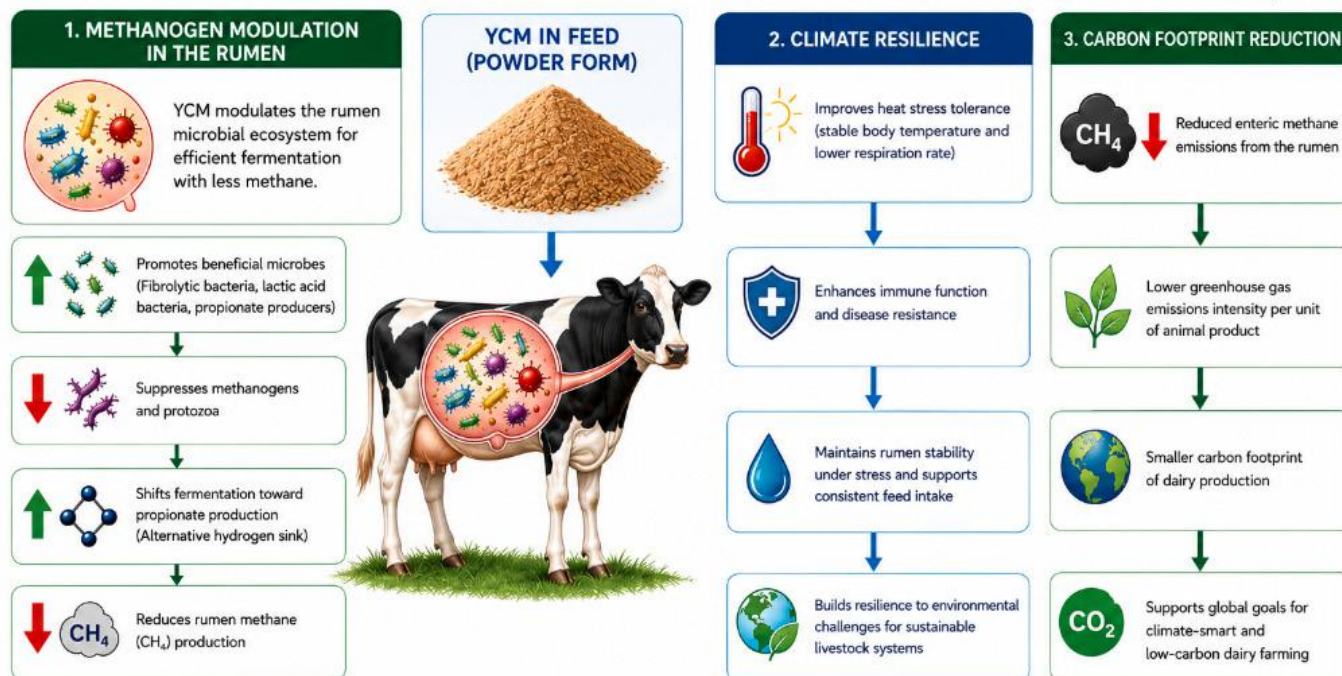
Professor Dr. Sajjad ur Rahman, Dur e Nayab, Mariam Azam, Zarreen Sajjad, and Muhammad Mukarram Bashir
Bioaugment Biotechnology Research Laboratory, DairyLac (Pvt) Ltd, Pakistan



Introduction

Global animal agriculture faces mounting pressure to produce more meat, milk, and eggs due to rapid population growth. Over the last two decades, the production of domesticated animals increased by 7.9-27.6%; likewise, the poultry population increased by 39% (Gilbert et al., 2018). Increased population leads to the demand for solutions to reduce antibiotic dependence, improve sustainability, and meet consumer demand for “clean-label” products. As feed efficiency and gut health move to the center of livestock

and poultry nutrition strategies, postbiotics—and particularly yeast-derived metabolites—have emerged as a scientifically validated, organic alternative to conventional growth promoters. Among these, Yeast Culture Metabolites (YCM) represent a new generation of micronutrient-rich feed technology designed to optimize gut microflora, enhance nutrient digestibility, and support both productive and reproductive performance across livestock, poultry, equine, camelid, and aquaculture species, while also contributing to climate-resilient, low-carbon animal production systems.



Rising Global Population and Its Challenges

In the last two decades, the global human population increased by 25.8%, rising from 6.54 billion to 8.23 billion. The livestock population increased through domestication, with the highest increase in camels (27.6%), while the poultry population increased by 39.5% (FAO, 2025). Animal agriculture sits at the intersection of three converging global pressures: rising protein demand, antimicrobial resistance (AMR) concerns, and climate commitments. Research on novel ingredients for a balanced diet is necessary.

Table 1. Percentage change in the average global population of major domesticated livestock species between 2005–2015 and 2016–2025

Animal Category	Demographic dynamics in global animal population
Cow (Cattle)	+7.9%
Buffalo	+8.0%
Sheep	+10.6%
Camel	+27.6%
Goat	+21.5%
Pig	-3.1%
Poultry (Chicken)	+39.1%

Yeast Culture Metabolites (YCM): The Core Technology

YCM is produced through controlled fermentation of *Saccharomyces cerevisiae* and related yeast strains. Yeast culture is a complex fermentation product composed of yeast cells, metabolites, and fermentation medium formed by multi-stage fermentation. It contains substantial amounts of beta-glucan and mannan oligosaccharides that can promote growth, intestinal health, and immunity

in aquatic animals (Ayiku et al., 2020). Yeast postbiotic metabolites include short-chain fatty acids, bacteriocins, and functional peptides and proteins (S. K. Nath, 2026) and are increasingly recognized as playing a major role in the crosstalk between the immune system and the gut microbiota (Johnson et al., 2019).

Bioactive Ingredients-Functional Postbiotics of YCM

Postbiotics are defined by the International Scientific Association for Probiotics and Prebiotics (ISAPP) as preparations of inanimate microorganisms and/or their components that confer a health benefit on the host (Salminen et al., 2021). "Extra pure" metabolite fractions are highly refined, low-residue extracts isolated from the fermentation broth (Rahman et al., 2024b), offering higher concentrations of active compounds, reduced ash and fiber content, improved batch consistency, enhanced solubility, and lower inclusion rates—making them especially valuable in precision nutrition, starter feeds, and premix applications

Table 2. Functional bioactive constituents of YCM and their beneficial effects

Bioactive ingredients	Benefits
Beta-1, 3/1, 6-glucans	Immune modulation
Mannan-oligosaccharides (MOS)	Gut health, immunity, and overall health
Organic acids	Antimicrobial activity, pH regulation.
Glutamine/glutamate	Primary fuel for enterocytes and immune cells.
Selenium-yeast complexes	Bioavailability for metabolic and antioxidants
B-complex vitamins	B1, B2, B6, B12, niacin, biotin, folic acid
Enzymes	amylases, proteases, and xylanases

Impact on animal health (Species-Specific Applications)

Poultry

In poultry, postbiotics support gut barrier function and immune balance even under disease challenge (Rahman et al., 2025). In a trial (Dong et al., 2025), broilers receiving in ovo and water postbiotic supplementation showed reduced crypt depth and an increased 7.8-9.4 villus height-to-crypt depth ratio, higher mucin-2 expression, and lower levels of pro-inflammatory markers such as TNF-alpha, iNOS, and IFN-gamma, with better villi and crypt structure maintained even under a necrotic enteritis challenge.

Ruminants

A study demonstrated a positive response in milk, showing better SNF, milk fats, and productivity, even under heat stress with a THI 65-81. An increase of 1.10L in milk yield per day in YCM-treated group was noted (Azam et al., 2025). Improved volatile fatty acid production and nutrient utilization, along with enhanced rumen function, were also observed (Rahman et al., 2026c). Azam et al., 2024 reported metabolites during the post-parturition period helped the animal lower cortisol levels and supported biofortification through lysine availability. Also, a better conception rate and a reduction in diseases like mastitis were observed. The addition of postbiotics in camel feed improves nutrient absorption and metabolic activity in camels, resulting in improved milk quality and yield, supporting specific hematological and biochemical indicators under semi-intensive management (Faraz et al., 2025).

Aquaculture (Fish and Shrimp)

In white leg shrimp, a *Saccharomyces cerevisiae* fermentation-derived postbiotic functioned as an immunostimulant by activating blood cell signaling pathways, inducing a heightened immune response, and improving survival and resistance against *Vibrio parahaemolyticus* challenge (Prabu et al., 2025). Incorporation of yeast in the fish diet stimulates the activity of lipases, amylases, and proteases, improving the digestive efficiency of aquaculture. (Rahman et al., 2026d) concluded with more nutrient absorption, enhanced feed conversion efficiency and superior body composition.

YCM, Climate Resilience, and Carbon Footprint Reduction

Methanogen Modulation in the Rumen:

Yeast postbiotics could play a supportive role in reducing methane emissions, stimulating cellulolytic bacterial

populations and simultaneously enhances proliferation of alternative hydrogen-utilizing microorganisms (Malyugina et al., 2025), diverting metabolic hydrogen flux away from methanogens toward competing pathways such as propionate production or acetogenesis. In sheep, yeast products reduced the abundance of methanogens and increased the abundance of fiber-degrading and lactate-producing bacteria, leading to reduced methane production (Su et al., 2022). By contrast, a beef cattle study found yeast culture supplementation did not consistently alter the molar percentages of propionate, acetate, and butyrate in rumen VFA, suggesting that methane reduction may not occur primarily through reduced hydrogen production via VFA shifts (Yi et al., 2025). This indicates that the methane-mitigating effects of YCM are strain-, dose-, and diet-dependent and should be validated under target production conditions rather than assumed uniformly. Yeast produces ergosterol, beta-glucans, and antioxidants that boost immune activities, reducing oxidative cell death (Rahman et al., 2026). Reduction in carbon emissions not only supports animal health organically but also climate sustainability.

Ammonia Reduction and Climate-Resilient Production Systems:

Improved protein digestibility and synchronization of energy and nitrogen release in the gut (Rahman et al., 2026) can reduce undigested nitrogen reaching manure, lowering ammonia volatilization, odor, and associated indirect nitrous oxide emissions from manure management. Improved gut health and immune resilience help animals maintain productivity under heat stress and climate-related disease pressure, supporting AMR mitigation and regenerative, low-input production strategies increasingly promoted as climate adaptation tools.

Conclusion

Yeast Culture Metabolites represent a convergence of microbiome science, precision nutrition, and climate-conscious production. By delivering a concentrated, stable, and bioavailable package of micronutrients and functional metabolites, YCM-based postbiotics enhance gut health across a remarkably diverse range of species—from poultry and aquaculture to horses and camels—while supporting productive efficiency, reproductive performance, and reduced environmental impact. As an organic, antibiotic-alternative, and climate-aligned feed technology, YCM is positioned to play a central role in meeting the nutritional and sustainability demands of a growing global population.

ZELP SENSE™: A BREAKTHROUGH WEARABLE DEVICE FOR REAL-WORLD LIVESTOCK EMISSIONS MEASUREMENT AT SCALE



A new wearable device to measure livestock methane emissions has been commercially released in a major step forward for measuring greenhouse-gas emissions from livestock at scale.

ZELP Sense is a low-cost, easy-to-use system for continuously measuring methane emissions from individual cows in real-world settings. The technology combines a wearable device, automated data transfer and a user-friendly app to enable more practical and scalable measurement in commercial and research settings.

Existing measurement tools can be expensive, operationally complex, and dependent on controlled settings or long animal adaptation periods, limiting their deployment beyond specialist facilities. Unlike systems that require animals to enter controlled chambers or voluntarily visit fixed feed stations, ZELP Sense is designed to track emissions in real

farm environments, where cattle can continue their normal feeding and drinking behaviours.

Methane is categorised as a “super pollutant” because it is more than 80 times more powerful than carbon dioxide over a 20-year period. The greenhouse gas is responsible for more than 45 percent of recent global warming. Reducing volumes of methane emissions is the single fastest way to slow rising global temperatures, due to the greenhouse gas’ shorter lifespan in the atmosphere. With 70 percent of agricultural methane emissions coming from livestock digestion, measuring these emissions is an important first step in assessing and validating mitigation techniques.

The ZELP Sense wearable device collects emissions-related data from close to the cow’s nostrils, which are then processed using ZELP’s proprietary algorithms. Results are delivered, in grams per day, via

ZELP Insight, a mobile-optimised web application. The system has been developed and tested through more than 20,000 hours of real-world use, with initial evaluation trials indicating that ZELP Sense can produce emission estimates of comparable reliability to existing accepted approaches.

ZELP Sense gives users a practical way to understand emissions and identify which mitigation strategies are working in practice. Governments, companies and researchers can use it to conduct large-scale emissions inventories, improve emission factors, support selective breeding programmes, and generate the real-world data needed for reporting, incentives and regulation. For organisations developing and assessing methane-mitigation tools, it offers a faster, more cost-effective way to test, iterate and verify their impact in real farm conditions.

For more information, visit www.zelp.co



GROWTECH MIDDLE EAST 2026 TO BRING AGRICULTURE, LIVESTOCK AND POULTRY INDUSTRIES TOGETHER IN DUBAI

Growtech Middle East returns to Dubai World Trade Centre from 26-28 October 2026, bringing together the agriculture industry for three days of business, knowledge exchange and international expertise.

Previously known as Agra Middle East, the event enters a new chapter under the Growtech Middle East name while building on more than 17 years of presence in the region.

Livestock and poultry will form an important part of the 2026 exhibition, alongside aquaculture, greenhouse technology, irrigation, plant nutrition and protection, and seeds and seedlings. The event will connect producers, suppliers,

buyers, distributors and industry professionals with technologies and solutions supporting the evolving needs of agriculture across the Middle East.

Food security will sit at the heart of this year's programme, reflecting the region's continued focus on strengthening local production, improving agricultural resilience and adopting more efficient farming practices.

For livestock and poultry professionals in particular,

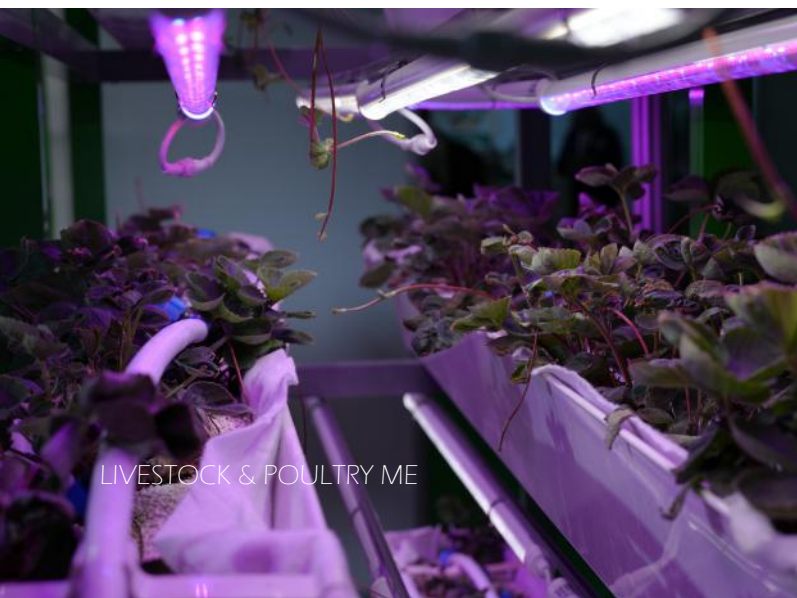
Growtech Middle East will combine the exhibition with dedicated opportunities for technical learning and industry discussion. CPD-certified Livestock & Poultry seminars will provide a specialist platform to explore developments, challenges and practical approaches relevant to animal production in the region.

The wider knowledge programme will also include the Future Food Resilience Summit, examining strategies and technologies supporting stronger food systems, as well as the MENA Regenerative Agriculture Summit, held alongside Impact Partner, Goumbook.

Across the three days, visitors will be able to meet regional and international solution providers, explore developments across interconnected areas of agriculture and exchange knowledge with professionals working throughout the food production industry.

As October approaches, Growtech Middle East is preparing to once again bring the agriculture community together in Dubai, connecting the expertise, technologies and partnerships supporting the future agriculture and food security across the region.

Growtech Middle East 2026 takes place from 26-28 October at Hall 8, Dubai World Trade Centre.





SAUDI AGRICULTURE 2026

The Region's Premier Agricultural Gathering Returns to Riyadh

The 43rd edition of Saudi Agriculture, the Middle East's largest and longest-running agricultural trade exhibition, returns to the Riyadh International Convention & Exhibition Center (RICEC) from 19 to 22 October 2026. Held under the patronage of the Ministry of Environment, Water & Agriculture, it remains the Kingdom's flagship B2B platform for the sector.

Organized by Riyadh Exhibitions Company (REC), which has served the Kingdom's agricultural industry for over four decades, the event brings the full agricultural value chain together under one roof.

Visitors will explore innovations across Farming, Poultry, Livestock & Dairy, Mills & Feed, Aquaculture, Agro & Organic Food, Food Processing & Packaging, and Animal Health & Veterinary - making it one of the most comprehensive sector events in the region.

Saudi Agriculture 2026 arrives at a pivotal moment for the Kingdom, as national investment and Vision 2030 continue to drive the modernization of food production and food security. The show floor will showcase the latest technologies and solutions – from smart greenhouses and precision

irrigation to controlled-environment agriculture, automation, and agri-tech – connecting exhibitors with trade buyers, distributors, investors, and government decision-makers from across the Kingdom and beyond.

Running alongside the exhibition, The Future of Agriculture International Conference will convene local and international experts around the themes of Agricultural Technologies and Food Security, with senior leaders and specialists sharing insights and case studies shaping the sector's future.

With extensive international participation and the backing of the Kingdom's foremost agricultural companies and government bodies, Saudi Agriculture 2026 offers exhibitors direct access to one of the fastest-growing agricultural markets in the region - and gives visitors a single destination to source products, build partnerships, and discover what's next in agriculture.



Registration to visit and exhibition space bookings are now open.

SOMMET DE L'ÉLEVAGE 2026

A Global Meeting Point for the Livestock Industry

From 6 to 9 October 2026, Clermont-Ferrand, France, will once again become an international meeting point for livestock professionals as the SOMMET DE L'ÉLEVAGE celebrates its 35th edition.

Recognised as one of the world's leading exhibitions dedicated to livestock farming, the SOMMET will bring together more than 1,800 exhibitors and over 120,000 professional visitors from nearly 100 countries. Around 2,000 animals representing 70 breeds will showcase the excellence and diversity of French and European livestock genetics.

In 2026, particular attention will be given to pastoralism, as the SOMMET serves as France's flagship event for the International Year of Rangelands and Pastoralists, proclaimed by the FAO and the United Nations. International conferences and exchanges will highlight the importance of grazing systems for resilient livestock production, biodiversity, sustainable land management and the preservation



of traditional farming knowledge.

Another major highlight will be the Limousin National Championship. Renowned worldwide for its adaptability, feed efficiency and meat production qualities, the Limousin breed will offer international livestock professionals an outstanding showcase of French beef genetics.

Innovation will also be at the heart of the exhibition. A new Animal Health Hub will bring together laboratories, pharmaceutical companies, veterinary services and experts, while the agricultural machinery sector will expand by an additional 10,000 m². More than 140 conferences and technical seminars will address key challenges such as

food security, water management, climate adaptation and farm performance.

With around 6,000 international visitors and 330 international exhibitors expected, the SOMMET is also a major platform for business and international cooperation. Overseas professionals can benefit from dedicated services, B2B opportunities and farm tours providing direct access to French livestock expertise.

For livestock professionals looking for genetics, technology, expertise and new international partnerships, SOMMET DE L'ÉLEVAGE 2026 is a key event on the global agricultural calendar.





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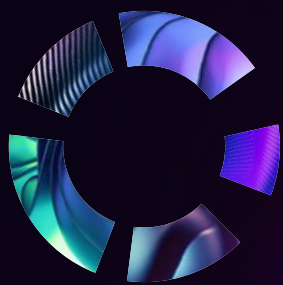


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