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GREENHOUSES
WITHOUT AFFECTING
PLANT ACTIVITY

22



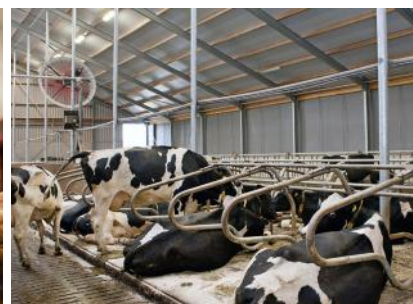
VALTRA S SERIES
AWARDED RED DOT:
BEST OF THE BEST
AWARD

34



POULTRY WATER
RECONDITIONING
WITH 67% PROCESS
WATER REUSE

37



INTRODUCING THE
MULTIFAN AIRBREEZE:
THE ULTIMATE ANSWER
TO HEAT STRESS

38



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Fork lifting large tree in GrowinBag™



Crane lifting large tree in GrowinBag™

Contents

Managing Editor
M. Matt

Associate Editors
Jessie Jorge
Dr. Ann Matt

Assistant Editor
Raseena Navaskhan

Contributors
Dr. Hansel Geo Thomas
Neville J. Chandler

Registered Office
Matt Media Intl. Ltd.
12 Gateway Mews
London N11 2UT
United Kingdom

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

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

info@gulfagriculture.com
www.gulfagriculture.com

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News	04
Planter Bags	20
Greenhouse	22
Vertical Farming	25
Crop Protection	26
Agricultural Technology	27
Irrigation	28
UAE Update	30
Agricultural Machinery	34



Composting Technology	35
Animal Nutrition	36
Poultry Farming	37
Livestock Farming	38
Rendering Equipment	40



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CEVA AND ILRI SIGN MOU TO ESTABLISH ANIMAL HEALTH INNOVATION HUB FOR AFRICA



The International Livestock Research Institute (ILRI) and Ceva Santé Animale (Ceva) have signed a Memorandum of Understanding (MoU) to establish an Animal Health Innovation Hub for Africa at ILRI's Nairobi campus. This strategic collaboration aims to enhance animal health and livestock productivity across the continent by fostering innovation, research, and capacity-building and demonstrates ILRI's interest in working with the private sector.

Poor animal health in Africa has significant impact on livelihoods, food security and climate emissions. It is estimated that the continent loses USD 9 billion a year from poor animal health, equivalent to 6% of the total value of the livestock sector in Africa.

Animal diseases cause substantial mortality and morbidity, leading to significant economic losses especially for pastoral and smallholder farmers and communities who rely on livestock for their livelihoods. Diseased animals are less productive, resulting in lower yields of meat, milk, and other livestock products which also leads to increased greenhouse gas emissions relative to the animal's productivity.

The Innovation Hub will serve as a

platform for pioneering advancements in animal health with a focus on:

- Development of vaccines for Africa: Supporting research and innovation to develop vaccines tailored to Africa's livestock needs.
- Deployment of data monitoring systems and gathering of animal health data: Establishing comprehensive systems to track and analyze animal health trends across the region.
- Technical transfer within Africa: Facilitating knowledge-sharing and capacity-building initiatives to strengthen local expertise in animal health.
- Creation of real-time market research information: Enabling informed decision-making through up-to-date market insights and intelligence.

MOCCAE LAUNCHES INAUGURAL EMIRATES AGRICULTURE CONFERENCE AND EXHIBITION FROM MAY 28 TO 31

Under the patronage of His Highness Sheikh Mansour bin Zayed Al Nahyan, Vice President of the United Arab Emirates, Deputy Prime Minister, and Chairman of the Presidential Court, the Ministry of Climate Change and Environment (MOCCAE) has announced the launch of the inaugural Emirates Agriculture Conference and Exhibition 2025. The event aligns with the nation's strategic vision to support the local agricultural sector and enhance its role in promoting sustainable national food security.

The Emirates Agriculture Conference and Exhibition 2025 is organised within the framework of the 'Plant the Emirates' National Programme, launched to realise the vision of the late

Sheikh Zayed bin Sultan Al Nahyan for greening the desert and promoting sustainable agricultural practices.

The 'Plant the Emirates' National Programme, launched last year, supports the UAE's agricultural development efforts and strengthens sustainable national food security. It encourages community engagement in various areas such as home gardening, cultivating key agricultural products, expanding green spaces, and promoting locally produced, high-nutrition foods. The programme also enhances environmental sustainability by reducing the carbon footprint through increased production and consumption of locally

sourced fresh produce.

The Emirates Agriculture Conference and Exhibition 2025 will take place at ADNEC Centre Al Ain from May 28 to 31, 2025. The event will convene officials and decision-makers from the UAE and around the world, alongside leaders from the local and international agricultural sectors and the private sector. It will facilitate the exchange of knowledge and innovative insights to strengthen the agricultural sector and support the transition from traditional agricultural systems to sustainable models that address global food security challenges.

The Emirates Agriculture Conference and Exhibition will span an area of 20,000 square meters, with a capacity to accommodate 11,000 attendees.

AL WATANIA POULTRY SIGNS STRATEGIC PARTNERSHIP WITH HALAL PRODUCTS DEVELOPMENT COMPANY

Al Watania Poultry, a global leader in food production, has signed a strategic partnership with Halal Products Development Company (HPDC), a wholly owned subsidiary of the Public Investment Fund (PIF). The agreement was announced during a special event held in Jeddah, attended by key figures from both the public and private sectors.

This step aims to expand Saudi poultry exports to new global markets, responding to the growing demand for high-quality Halal products. Aiming to strengthen collaboration, the agreement focuses on accelerating the adoption of sustainable and innovative practices in the Halal food industry, positioning Saudi Arabia

as a key global hub for Halal products.

Mohammed bin Hamad Al Shaya, Acting CEO of Al Watania Poultry, emphasized the significance of the agreement: "Our partnership with HPDC represents a strategic milestone to strengthen our leading position in the poultry sector and unlock new growth opportunities. By prioritizing innovation and market needs, we remain committed to delivering high-quality Halal products that support national food security goals and enhance the Kingdom's local and global competitiveness."

Fahad bin Sulaiman Al-Nuhayt, CEO of Halal Products Development Company, highlighted the broader impact of the partnership: "We are pleased to partner with

Al Watania Poultry as part of our investment strategy to accelerate the growth of the Halal industry and empower the private sector. Through this collaboration, we will uphold the highest quality and safety standards in Halal food production, ensuring that Saudi Arabia remains at the forefront of global Halal markets while advancing national food security in line with Saudi Vision 2030."

This partnership reflects the shared commitment of Al Watania Poultry and HPDC to driving local economic growth, enhancing national food security, and reinforcing Saudi Arabia's position as a leader in the global Halal food industry.

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Peat Moss and Peat Substrates for the professional horticulture

For more than 100 years the Floragard Vertriebs-GmbH in Oldenburg has successfully been developing, producing and distributing products for the professional horticulture. Since then we let this knowledge flow into our hobby potting soils. Because of that we nowadays refer to innovative premium recipes with a high standard from which the trade and hobby gardeners benefit equally. Regardless of whether indoors or outdoors, in a bed, on the balcony, in

the greenhouse or in a winter garden, whether magnificent blossoms or delicious harvest of vegetables and herbs – when using Floragard you will always find the ideal base for your project.

Floragard employees are horticultural professionals and put all their knowledge at the service of their clients. Our know-how is fully at the service of your growth company thanks to the Premium substrates from Floragard.



Our professional customers demand high-quality service and reliable product quality at the highest level. Among others, the consistent high quality is monitored by the Gütegemeinschaft Substrate für Pflanzen e. V. (Quality Assurance Association Growing Media for Plant Cultivation). The umbrella organisation is the RAL Deutsche Institut für Gütesicherung und Kennzeichnung (German Institute for Quality Assurance and Certification e. V.). Here the institute intensively investigates substrates for plants and continually studies the substrates' chemical, physical and biological properties. A company is only awarded the RAL seal of approval subsequent to the successfully concluded approval procedure, and following this, it is constantly monitored.

In this regard, the quality assurance does not only include the quality control of the finished substrates, but also continually inspects the basic materials and additives received. The consistent high quality provides a foundation for crop safety and the commercial success of your company – secured by Floragard and the Gütegemeinschaft Substrate für Pflanzen e. V. (Quality Assurance Association Growing Media for Plant Cultivation) under the umbrella of the RAL.

Our high-grade range of substrates satisfies virtually every customer's needs. In the meantime, however, the requirements and technical circumstances of numerous crops are frequently just as special and unique as the great variety found in the horticultural industry. For this reason, Floragard offers mutual cooperation with our substrate field experts and the Technical Department of Horticulture. The purpose is to work on crops, growing methods, technical equipment and climatic conditions of the horticultural business and to develop individually tailored special substrates. To determine the optimal recipe for your substrates with regard to the composition, structure, fertilization and pH-value, there are numerous possibilities.

Our products

Peat mixture for propagation: Of German origin:

- **Floradur® Seed S:** with good water retention capacity, it is a special blend of white and black peat with a superfine structure for vegetable seedling trays.
- **Floradur® B Cutting:** special mixture of white, black peat and perlite with a superfine structure for universal sticking, with high aeration capacity; also for sowing.

- **Floradur® A Block:** special mixture of black and white peat with a fine structure for pressed vegetable clods

Of Baltic origin:

- **Florabalt® Seed 2:** special mixture of white and black peat with a fine structure and water retention capacity; ideal for summer cuttings.
- **Florabalt® Seed SB:** special mixture of white and black peat with a superfine struc-

ture for vegetable seedling trays with a high-water retention capacity

- **Florabalt® B Cutting:** special mixture of white, black and perlite peat with a superfine structure for universal transplanting with a high air retention capacity, also suitable for sowing
- **Florabalt® A Block:** a special mixture of black and white peat with a fine structure for pressed vegetable clods



Note: we have more than 4,000 compositions in our database, which illustrate the long experience of Floragard experts and the need to offer customers the most suitable solution for their particular case. Our goal is to develop a perfect product adapted to the particular requirements of our customer.

Peat moss potting substrate for horticultural production

Of German origin

- **Floradur® B Pot Medium:** Germain potting substrate for small pots starting at from 7 to 9 cm; for bedding and balcony plants
- **Floradur® B Pot Medium Coarse:** Germain potting substrate for medium-size pots of approx. 8 - 11 cm; for bedding and balcony plants
- **Floradur® B Pot Coarse:** Germain potting substrate for large pots starting at approx. 12 cm; for bedding and balcony plants, for plants sensitive to salinity.

Of Baltic origin

- **Florabalt® B Pot Medium Coarse:** Baltic potting substrate for medium-sized pots of approx. 8 - 11 cm
- **Florabalt® B Pot Coarse:** Baltic potting substrate for large pots starting at approx. 12 cm; for bedding and balcony plants, for plants sensitive to salinity

Note: it is possible to add to these products perlite, clay or other preferred minerals. There are also mixes available for potting specific crops.

Potting mixtures for perennials and plants in nursery containers.

Of German origin

- **Floradur® Pot Container:** special mixture for cover plants, shrubs and conifers: pots > 3 L
- **Floradur® Pot Perennial:** special mixture for perennial plants in pot; for spring and summer repotting (Pots > 12 cm).

Of Baltic origin:

- **Florabalt® Pot Container:** Special mix for container based on Baltic blonde peat for nurseries.
- **Florabalt® Pot Anthurium:** special mixture for Anthurium repotting
- **Florabalt® Pot Bromeliad:** special mixture for Bromeliads repotting

Note: it is possible to add to these products perlite, clay or other preferred minerals. They are also available mixtures for potting specific crops. Our goal is to develop a perfect product adapted to the particular requirements of our customer.

Mixtures suitable for organic farming of German origin:

Seedling / transplanting

- **Floradur® Block Bio:** special mixture for pressed clods and for growing seedlings
- **Floradur® Pot Herbs Bio:** special mixture for growing aromatic potted plants, tomatoes, cucumbers, peppers and other potted vegetables (7-13 cm buckets)

Potting / Container

- **Floradur® Pot Bio:** special mixture for horticultural plants and perennials in pots; for repotting in pots or buckets of 7-13 cm.
- **Floradur® pot Container Bio:** special mixture for horticultural plants for repotting in 12-14 cm pots. (Pots > 14 cm)

Peat mixture for the cultivation of small fruits:

Strawberries and raspberries

- **Floradur® B Cutting:** special mixture of white, black peat and perlite, with a superfine structure for universal transplanting with a high air retention capacity, also suitable for sowing
- **Floradur® Pot Medium-Coarse Berries:** special mixture of white, black peat and

perlite for medium coarse potting, pots 8-13 cm

- **Floradur® Pot Coarse Berries:** Potting peat substrate for containers, boxes and ridge planting.
- **Floradur® Pot Container Berries:** extra coarse-fibrous peat substrates for containers, boxes and ridge planting

Blueberries

- **Floradur® Pot Blueberries:** Potting peat moss substrate for containers > 1L
- **Floradur® Pot Container Blueberries:** Extra coarse-fibrous peat moss substrate for large containers > 3L

Peat specialties

- **Hansatorf® 0-40 mm:** Baltic Blond Peat for soil improvement and growing on teens.
- **Florabalt® 0-5 mm:** finely sieved blonde peat of Baltic origin for the manufacture of fine growing substrate and pot
- **Florabalt® 0-7 mm:** finely sieved blonde peat of Baltic origin for the manufacture of fine growing substrate and pot
- **Florabalt® 7-20 mm:** medium-sieved Baltic blond peat for medium-sized and pot substrate
- **Florabalt® 10-20 mm:** medium-sieved Baltic blond peat for medium-sized and pot substrate
- **Florabalt® 10-30 mm:** coarsely sifted blond peat of Baltic origin for the manufacture of coarse structure growing substrate and pot
- **Florabalt® 20-40 mm:** coarsely sifted blond peat of Baltic origin for the manufacture of coarse structure growing substrate and pot

For more information:

sassi@floragard.de
+49 152 2267 2961
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2ND AL WATHBA DATE FESTIVAL HIGHLIGHTS SUSTAINABLE DATE PALM FARMING AND CELEBRATES EMIRATI HERITAGE

The second edition of the Al Wathba Date Festival has concluded. Held under the patronage of His Highness Sheikh Mansour bin Zayed Al Nahyan, Vice President, Deputy Prime Minister, and Chairman of the Presidential Court, the event was organised by the Abu Dhabi Heritage Authority.

The festival, which commenced on 10 January 2025, featured 12 competitions for date packaging - both with and without additives - covering six varieties of dates: Khalas, Fard, Dabbas, Bumaan, Shishi, and Zamli. A total of 120 prizes, exceeding AED2 million, were allocated for the competitions, which attracted 310 date producers and manufacturers from across the UAE. Participants

presented over 3,100kg of premium dates, utilising innovative and sustainable packaging designed to meet high-quality standards.

The festival showcased more than 200 varieties of dates and related products across 40 dedicated shops, with 172 date producers and manufacturers participating in rotation over 79 days. To ensure diversity, the festival revamped its line-up of shops every 10 days, offering visitors a dynamic selection of Emirati dates and a variety of date-based products, including items crafted from date palm components.

The festival aims to raise awareness about the importance of



the palm tree, aligning with the vision of the late Sheikh Zayed bin Sultan Al Nahyan to ensure the sustainability of date palm cultivation while encouraging date production, date trade, and related industries. It also supports food security initiatives, contributing to their long-term sustainability.

AL DAHRA AND THE GOVERNMENT OF KENYA SIGN MOU TO DEVELOP LARGE-SCALE IRRIGATED FARMLAND

Under the patronage of His Excellency Dr. William Ruto, CGH, President of the Republic of Kenya, Al Dahra and the Government of Kenya have signed a Memorandum of Understanding (MoU). Through this agreement, Al Dahra will lease and manage up to 200,000 acres of irrigated farmland in the Galana-Kulalu Ranch, with an estimated investment of up to USD 800 million.

This strategic partnership aligns with Kenya's Vision 2030 and the Bottom-Up Economic Transformation Agenda, which emphasizes enhancing food security and agricultural development. The potential project will be implemented in multiple phases over the next 10 years, subject to technical due diligence and to the

completion of key national infrastructure projects. The project will focus on producing strategic crops key to Kenya's food security for domestic consumption within Kenya. Al Dahra's involvement demonstrates the company's commitment to sustainable agriculture and food security. Al Dahra will leverage its expertise in arid climate farming to support Kenya's food production and transform the country's agricultural landscape.

Eng. Eric Mugaa, the Cabinet Secretary Ministry of Water, Sanitation and Irrigation said, "The Government of Kenya is committed to addressing food security through strategic partnerships with the private sector. We are pleased to collaborate with Al Dahra and

believe this project will be a game-changer for enhancing Kenya Food Security Agenda and reduce the national food deficit. This is one of the largest Foreign Direct Investments in Kenya."

Arnoud van den Berg, Group CEO of Al Dahra said, "This partnership with the Government of Kenya is a significant milestone for Al Dahra. We are excited to contribute to Kenya's agricultural development and food import substitution through our innovative farming practices and extensive experience in large scale irrigated farming. The project is expected to have a positive impact on the Kenyan people, surrounding communities, and the agricultural sector as a whole. It will create jobs, support local businesses, and foster sustainable agricultural practices."

AGRICULTURAL ROBOTS PROVE THEIR WORTH TO FARMERS WORLDWIDE

With over 2,000 visitors from 56 different countries, including nearly 30% farmers, the 9th edition of World FIRA has firmly established itself as the must attend event for robot and autonomous solutions enthusiasts. Aimed at reshaping the future of agriculture in the midst of transformation, here's a look back at the event that took place from February 4th to 6th in Auzeville-Tolosane, near Toulouse (France)... under a radiant sun!

Focus on New Robots and Autonomous Solutions Presented at World FIRA

- New Holland T4N Specialized Tractor (Italy): Advanced guidance system developed for New Holland T4 FNV specialized tractors, winner of the 2024 EIMA Technical Innovation Award.

- AgBot 5115.T2 by Agxeed (Netherlands): Presented by its French distributor Sevra, the AgBot performs autonomous tasks while being able to attach tools available on the market.
- Escarda Compact Duo by Escarda Technologies GmbH (Germany): Intelligent laser weeding, using camera sensors and advanced AI models to recognize and classify all plants in the field.
- MULA Vehicle and MULA Harvester by MULA (Spain): Versatile autonomous vehicle that can be equipped with various tools such as sprayers, harvesters, or seeders, and a berry harvester.
- LUXEED Robotics (Netherlands): Autonomous laser weeding powered by AI.
- Slopehelper Grape Picker by

Pek Automotive (Slovenia): Robotic grape harvester.

Several hundred farmers from around the world gathered at World FIRA to explore the advances of this new era in agricultural machinery.

Delegations of farmers from France, Belgium, Portugal, Canada, Brazil, and Ghana demonstrated their interest through concrete automation projects presented to the exhibitors.

As for the distributors, whether directly involved in the exhibition space (Sevra, Vantage, Peillet...) or visiting (Promodis, the Sedima union, and many more), their presence demonstrated strong support for the industry, offering their customers robots available for both purchase and rental.



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NEW FAO-LED STUDY HIGHLIGHTS THAT IMPROVING PRODUCTIVITY IS KEY TO REDUCING ANTIBIOTIC USE IN LIVESTOCK



Without targeted interventions, antibiotic use in livestock is projected to rise nearly 30% by 2040. However, the new research, published in *Nature Communications*, finds that strategic productivity gains in livestock systems could cut projected antibiotic use by half.

The study projects that, under a business-as-usual scenario,

global livestock antibiotic use could rise to 143,481 tons by 2040, an overall increase of 30% from 2019. However, alternative scenarios indicate that antibiotic use could be reduced by up to 57% if livestock productivity is optimized. By improving animal health,

management practices, and production efficiency, antibiotic use could be lowered to approximately 62,000 tons by 2040, demonstrating the potential of targeted interventions in achieving global reduction goals.

This message underscores global commitments to combat Antimicrobial Resistance (AMR).

The 2024 UN General Assembly AMR Declaration calls for a significant reduction in antimicrobial use in agrifood systems by 2030. Achieving this goal poses considerable challenges, especially in regions where livestock production is expanding to meet growing food demand.

"Stakeholders across the livestock sector must work together to improve disease prevention, strengthen monitoring systems, and invest in innovations that enhance animal health while reducing reliance on antibiotics" emphasized Junxia Song, Senior Animal Health Officer at FAO and co-author of the study.

MINISTRY OF ECONOMY SIGNS MOU WITH SGS GULF LIMITED TO ENHANCE QUALITY CONTROL OVER FOOD AND CONSUMER PRODUCTS

The Ministry of Economy announced the signing of a Memorandum of Understanding (MoU) with SGS Gulf Limited to enhance cooperation in monitoring the quality of food and consumer products in the country's markets and ensuring their compliance with the highest safety standards. The MoU also aims to verify the validity of consumer complaints that fall within the Ministry's purview, ensuring sound business practices and creating a safe environment for consumers when purchasing goods and products. The MoU was signed by His Excellency Abdullah Ahmed Al Saleh, Undersecretary of the Ministry of Economy; and Mrs. Geraldine Picaud, SGS Gulf Limited Chief Executive Officer.

The signing was attended by

His Excellency Arthur Mattli, Ambassador of Switzerland to the UAE; Mr. Teymur Abasov, Head of Eastern Europe, Middle East and Africa; Mr. Anand Nair, Head of C&P EEMEA and C&P and H&N Director ME and Muriel Cressot, Business Development Manager, also attended the ceremony on behalf of SGS Gulf.

His Excellency Al Saleh affirmed that the Ministry is keen to continue strengthening cooperation with its partners across the public and private sectors to sustainably support the flexibility and effectiveness of the country's consumer protection system, enhance oversight of products and commodities in the markets, and adopt initiatives that promote a sound consumer culture. His Excellency pointed

out that the partnership with SGS marks a new milestone in strengthening regulatory frameworks aimed at providing a safe and high-quality consumer environment for consumers and ensuring the application of the best standards in the commercial oversight of goods and products. It supports the competitiveness of the UAE's business and trade environment, enhancing the growth and competitiveness of the national economy.

Mrs. Geraldine Picaud, Chief Executive Officer said: "This MoU represents a vital step towards enhancing consumer protection in the UAE. Consumer safety, satisfaction, and trust are at the company's core business priorities, and we are committed to adopting best practices and solutions in this regard."

VBITE, THE FIRST HIGH-TECH BIT FOR HORSES, IS NOW AVAILABLE ON KICKSTARTER

This innovative device, developed with advanced technology, is the first non-pharmacological solution to enhance horse performance, promote relaxation, and reduce the risk of injuries.

Vbite is an ergonomically designed bit, fully coated in waterproof rubber and equipped with a vibration system that can be activated via a bluetooth-connected app.

A team of veterinary medicine experts has observed that stimulating equine salivary glands through vibration facilitates jaw decompression and chewing. At the same time, studies on equine biomechanics have

shown that this release of the masseter muscles (jaw release) induces a state of calm and empathetic cooperation in the horse.

Vbite replicates this natural mechanism through a vibrating system embedded in the bit, releasing jaw tension and encouraging the horse's natural relaxation response. By aligning with the animal's instincts and enhancing its overall well-being, Vbite proves suitable for all equestrian disciplines, from training and competitions to riding schools and potentially stressful situations such as veterinary visits, farriery and clipping.

Vbite is not just a bit - it's a

technological revolution for equine well-being. Thanks to its innovative design, it directly enhances the horse's comfort during training and competitions while also strengthening harmony, empathy and communication between horse and rider.

By backing our campaign on Kickstarter, you will:

- Promote the use of an innovative bit designed for the horse's well-being
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- Receive Vbite before anyone else at an exclusive price.



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AGRITECHNICA ASIA BRINGS SOLUTIONS TO FARMING PROFESSIONALS FOR A LONG-TERM COMMITMENT

Agritechnica Asia, the leading trade fair for crop production in Asia, made a strong debut in Vietnam, attracting more than 10,500 visitors from across the country, including fruit and vegetable farmers attending HortEx Vietnam 2025. Held at Ho Chi Minh City's SECC across 10,000 square meters, Agritechnica Asia and HortEx Vietnam, the region's leading exhibition for professional horticulture and floriculture, were co-located for the first time. The events welcomed 303 exhibitors from 30 countries, establishing their

role as industry platforms in Southeast Asia.

Featuring seven country pavilions – Germany, Japan, China, South Korea, Taiwan, the Netherlands and the Philippines – the event informed agricultural professionals about applicable technologies: smart farming, precision agriculture, automation and digital farm management. Exhibitors showcased innovations like sustainable crop production techniques and equipment, highlighting the future of efficient and resource-optimized farming.

Agritechnica Asia and HortEx

Vietnam 2025 marked the first two international events co-hosted by the newly-reformed ministry, Vietnamese Ministry of Agriculture and Environment. The ministry organized seminars on mechanized sustainable agriculture in collaboration with GIZ Vietnam. The International Rice Research Institute (IRRI), showcased the One-Million Hectare Rice Program – an initiative aimed at promoting sustainable rice production in Vietnam's Mekong River Delta. Vietnam Agriculture and Nature Newspaper, the ministry's official press agency, supported the event.

FRUIT LOGISTICA'S INNOVATIONS AND INSIGHTS ATTRACT RECORD ATTENDANCE

From 5 to 7 February, the world's leading trade show for fresh produce attracted an even larger number of international trade visitors and exhibitors to its latest edition, and offered participants three days of unrivalled marketing, networking, innovations and insights.

According to official survey results, this year's exhibition achieved a new high in terms of the quality of its 67,500 trade visitors as well as an increase in successful business. Plus, it also secured record levels of satisfaction for its 23,500 exhibitor representatives. In response, the organiser Messe Berlin has immediately opened stand bookings for Fruit Logistica 2026.

Innovation was at the heart of this year's event, as shown by the ingenuity of companies competing for its industry-leading Innovation Awards, or the game-changing technologies featured during its three-day Startup World showcase.

"People know that when they come to Fruit Logistica, they always see something new and meet decision-makers from all over the world," said Alexander Stein, director of Fruit Logistica. And, thanks to the show's official partner Fruitnet, tens of thousands had the chance to listen to hundreds of expert talks about every aspect of the business at six stages located around the halls. "The international fruit and vegetable market is a hugely challenging business to be in right now," Stein added, "but the feedback we had from our trade visitors and exhibitors is that growth is possible, and the right people were here to make that potential a reality."

Fruit Logistica 2025 met with a positive response from both exhibitors and trade visitors.

According to initial trends from the exhibitor survey, 9 out of 10 respondents achieved a very good to satisfactory business result at

Fruit Logistica 2025 and have positive expectations for follow-up business. The same number again are already planning to take part in the next event in 2026.

According to the preliminary results of the representative trade visitor survey, trade visitors are also very satisfied. 94% of respondents reported a positive overall impression and 95% would recommend the event to others in their business environment. 9 out of 10 of those polled are already planning to visit Fruit Logistica again next year.



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GreenTech Amsterdam is your gateway to the latest horticultural technology and an unique opportunity to connect with the pioneers around the world who are shaping the future of the sector.

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FIVE CARGILL INNOVATIONS WIN 2025 EDISON AWARDS™ FOR TRANSFORMING THE FUTURE OF FOOD AND AGRICULTURE

Cargill is honored to win five 2025 Edison Awards, recognizing the company's bold innovations that are shaping the future of food and agriculture. From advancing climate-smart farming to driving breakthroughs in nutrition and water access, each award-winning solution showcases how Cargill is building a more secure and resilient food system.

The 2025 award-winning innovations reflect Cargill's commitment to shaping the future of food and agriculture:

- [SILVER] Winter Camelina for Biofuels – A cold-climate oilseed grown between seasons like a cover crop, offering farmers new income while supplying low-carbon fuel and feed. In 2025, acreage doubled, with successful sales to a SAF producer and major airline—making this crop a climate-

smart win from farm to fuel.

- [SILVER] Cultivated Grade™ Media – A customizable, more affordable cell culture media designed to help emerging protein technologies scale by reducing a major cost barrier. Developed with input from top start-ups, it's a purpose-built solution supporting the future of diversified protein.

- [BRONZE] Cargill Natural Flavors – A proprietary blend of natural antioxidants that extends the shelf life of ground beef by up to five days – surpassing current solutions while minimizing food waste and increasing retail flexibility. Already adopted by major retailers, it's expected to safely preserve 1.5 million pounds of ground beef per year.

- [BRONZE] Cargill Currents – A joint initiative between Cargill and Global Water Challenge that

tackles water challenges by tailoring solutions to address local needs. The partnership has improved access to safe water, sanitation and hygiene (WASH) for over 150,000 people since launching in 2021 – from constructing solar pumps and handwashing stations to community training on WASH and water-smart agricultural practices.

- [BRONZE] REVEAL™ Layers – A first-of-its-kind technology that accurately and non-invasively measures laying hens' body composition on-site. Using Near-Infrared (NIR) technology, it enables real-time dietary adjustments to reduce feed costs, extend laying periods and boost egg production by up to 20 eggs per hen. Already in use in multiple countries, it's proven to optimize performance.

INNOVATIVE SOLUTIONS LAUNCHES HUMISYN™ PRODUCTS FOR CONVENIENT, PROVEN GUT HEALTH

Innovative Solutions, a division of KENT Nutrition Group, introduces HUMISYN™, a synergistic blend of organic acid sources that shows great promise in helping to reduce the effects of a common disease in poultry by improving overall gut health. Necrotic enteritis (NE) causes increased mortality, decreased growth performance

and poor feed conversion rates in poultry. This disease is estimated to cause losses of nearly \$6 billion annually to the global poultry industry. Research has shown that improved overall gut health can help prevent this disease which traditionally has been controlled with in-feed antibiotics.

"From our recent research trials, we've observed a reduction of over forty (40) percent in necrotic enteritis lesion scores," says Dr. Tom Weber, PhD, Innovative Solutions. "We have formulated the HumiSyn™ for two types of delivery—via water or through dry feed—that both see similar

significant results." HumiSyn™ IFC4 is a free-flowing additive for poultry feeds; and is a precise formula of naturally occurring organic acids and short-chain fatty acid glycerides. HumiSyn™ WSC4 is a concentrated liquid supplement for poultry which is easily administered via drinking water and is a scientifically researched and proven formulation of naturally occurring organic acids and short-chain fatty acid glycerides. "Our HumiSyn solution is another technology that the KENT Nutrition Group has researched and found immediate performance impacts for the poultry industry," says Kale Causemaker, Senior Director, Innovative Solutions.



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AIPH APPROVES GREENITALY 2025: AN INTERNATIONAL TRADE EXPO TO BE HELD AT PARMA'S PALAVERDI

The International Association of Horticultural Producers (AIPH) is pleased to approve GreenItaly, an international horticultural exhibition from 15 to 17 October 2025, highlighting the best in sustainable and innovative horticulture.

The approval for GreenItaly 2025, granted by AIPH Members during the AIPH Spring Meeting 2025 in Thailand, underscores the event's international significance. Commenting on the decision, AIPH Secretary General Tim Briercliffe stated, "AIPH Members are delighted

to approve GreenItaly as an International Horticultural Trade Expo. We look forward to seeing this event thrive and contribute to the future of horticulture."

GreenItaly 2025 will be showcasing urban greenery and the nursery production of ornamental plants for parks, gardens, and tree-lined avenues. Collaborating with the international horticultural industry is crucial, and the endorsement from AIPH highlights this commitment. This recognition enhances the event's global profile and solidifies its role as an

important gathering for the horticultural trade, offering exhibitors increased visibility and valuable industry connections.

It will serve as a global platform for industry leaders, growers, and stakeholders to share knowledge, demonstrate best practices, and celebrate advancements in sustainable horticulture. With a strong emphasis on environmental responsibility, innovation, and economic impact, the event aligns perfectly with AIPH's mission to promote the power of plants in creating a greener, healthier world.

MACFRUT, MUCH MORE THAN A TRADE FAIR

Macfrut, much more than a trade fair: a year-long journey through the global fruit and vegetable supply chain, which will meet at the Rimini Expo Centre from Tuesday 6 to Thursday 8 May 2025. For its 42nd edition, Macfrut is sending out a strong message: our health depends on what we eat, and fruit and vegetables are essential for a healthy diet. In other words, 'healthy food', which is the title of a new event at Macfrut

2025: a large arena with scientific experts, chefs and famous Italian testimonials as spokespersons for these values, starting with Olympic champion Valentina Vezzali who was present at the event's press conference today.

All this is scheduled to take place during the three days of the event, which is growing once again: an increase in exhibition space (+6%), more than 1,400 exhibitors, many international

visitors (40%) and 1,500 top buyers from all over the world who will be able to connect with exhibitors via a dedicated networking platform, the real highlight of the event. Three international symposia (Biotechnology, Potato, Mediterranean Aromatic Plants), Egypt as Partner country, Lazio as Partner region, themed exhibitions on trends and developments in the sector coordinated by a team of experts, a fruit and horticultural innovation test field, and over 100 events scheduled to take place during the three-day trade fair.

An important news was announced: the 2026 edition will take place from 14 to 16 April. The date of the event has been changed in order to take advantage of the new facilities at the Rimini Expo Centre, which will allow the development of new and innovative formats.



AGROSUS UNVEILS COMPREHENSIVE WEED DATABASE TO SUPPORT SUSTAINABLE AGRICULTURE

AGROSUS project is excited to announce the launch of a groundbreaking weed database, featuring detailed information on 117 weed species, including their herbicide resistance, herbicide treatments, and agroecological management strategies. This innovative tool is designed to

support farmers, researchers, and policymakers in advancing sustainable agriculture and integrated weed management practices.

The database includes common names for each species across multiple regions and is available in 13 languages: English, Portuguese,

Polish, Italian, Spanish, Hungarian, Ukrainian, Romanian, German, Turkish, Icelandic, Estonian, and French. By providing multilingual access, AGROSUS aims to facilitate knowledge-sharing and improve weed management strategies across diverse agricultural landscapes.

GREENTECH AMSTERDAM 2025: DRIVEN BY PASSION

Experience the passion for the horticulture industry at GreenTech Amsterdam on Tuesday 10 – Thursday 12 June, at the RAI Amsterdam Convention Centre. 12,800 visitors and 530 exhibitors from around the globe will gather together to discuss topics like 'How to mitigate extreme weather', 'Growing coffee in the Netherlands' and the 'Greenhouse of the future'.

This year theme, 'Passion', reflects the GreenTech community dedication to plants, people, and technology. Through storytelling and side events, the trade show aims to expand networks, deepen commitment and inspire innovation. From plant-based food to knowledge-sharing, passion drives innovation and therefore the industry to the next level.

Attendees will have the chance to learn from industry leaders, participate in discussions, and network with professionals dedicated to horticulture. The latest trends and innovations can be explored at various stages of the knowledge programme, such as: Vision Stage, Data Tech Stage, Crops/VF Stage, Medicinal Plants Stage, Deep Dive Stage and Insight Stage.



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DAIRY INDUSTRIES EXPO SET TO SHOWCASE CUTTING-EDGE INNOVATION

The global dairy industry will converge at NAEC Stoneleigh for a two-day exhibition dedicated to dairy processing. This international event will bring together dairy professionals, manufacturers, suppliers and industry experts to explore the latest advancements in dairy processing technology, sustainability and market trends.

Now in its third edition, Dairy Industries Expo 2025 is set to be the most successful event yet, building on the momentum of previous years. Dairy Industries Expo 2025 will serve as a hub for

innovation, offering attendees the opportunity to discover new processing techniques, equipment and solutions tailored to meet the evolving demands of the dairy industry. From automated processing systems to packaging solutions, sustainability initiatives and food safety innovations, the event will provide invaluable insights into the future of dairy production. Exhibitors include pumps manufacturer Watson Marlow Fluid Technology Solutions, and educational centres such as the University of Strathclyde. The exhibition will feature a

packed agenda, including:

- Industry-leading exhibitors showcasing the latest dairy processing machinery, ingredients, and service, from pumps to packaging and everything in between.
- Insights and Innovations Seminar covering key topics such as automation, energy efficiency, and regulatory updates.
- Live demonstrations of breakthrough processing technologies.
- Networking opportunities with top dairy manufacturers, suppliers, and industry decision-makers.

RIDDER LAUNCHES RENEWED BRAND POSITIONING: WORKING TOGETHER FOR SUSTAINABLE GROWTH



Ridder proudly presents its refreshed brand identity. After nearly 75 years of growth and innovation, it is time for a fresh look that is even more future-focused. With a strong emphasis on innovation, collaboration, and sustainability, Ridder helps customers worldwide to operate smarter and more sustainably.

Since 1953, Ridder has been developing innovative technologies

that drive the horticultural sector forward. CEO Pascal Piepers emphasizes: "The world is changing, and we are evolving with it. Our new identity goes beyond a new logo, it represents a renewed way of working together, both within our company and with customers and partners. Together, we are building a stronger, more sustainable sector."

The new branding reflects Ridder's mission to collaborate for sustainable

growth. The shield symbolizes teamwork, openness, and innovation, with smart, forward-thinking solutions at its core.

As an innovative family-owned company, Ridder develops advanced, open technologies to address major challenges in horticulture, such as water, climate, labor, and energy. From the Hortimax climate computer, the brain of the greenhouse, to the groundbreaking SmartDrive, setting a new standard in drive systems, and the pioneering GRoW harvesting robot – Ridder is making a difference.

COO Brigitte Nugteren, granddaughter of founder Frans Nugteren, highlights: "I am proud of the new direction our organization is taking. Our renewed strategy reflects both our heritage and our future. Together with 350 colleagues and partners in over 100 countries, we work every day on innovative solutions for sustainable food production."

KOPPERT LAUNCHES STINGRAY 25 IN FRANCE: A BOOSTER OF CROP GROWTH AND PRODUCTIVITY

Koppert is thrilled to announce the launch of Stingray 25 in France. Stingray 25 is derived from *Ascophyllum nodosum*, a unique seaweed sourced from the nutrient-rich waters of the North Atlantic. The product stimulates microbiological activity around the roots and has proven to boost crop vigour, productivity, and yield by enhancing root structure, nutrient uptake and stress tolerance. Stingray 25 is the first product emerged from the newly announced partnership between Acadian Plant Health and Koppert.

Field trials conducted in maize, soybean, wheat, and sunflower have demonstrated outstanding results with the application of Koppert's bio fungicide Triario and Stingray 25. These trials showed a significant boost in plant health and yield, making Stingray 25 a valuable addition to modern crop management strategies.

"The launch of Stingray 25 represents a significant advancement in sustainable crop production, delivering tangible



benefits to growers," said Felipe Capobianco, Market Development Manager at Koppert. "Recent field trials in France have demonstrated remarkable yield increases when Stingray 25 is integrated with our existing solutions like Triario. In France, growers saw yield increases of up to 1.01 tons per hectare in maize, with a return on investment of 3,60 euro on every euro invested. Such results underscore our commitment to delivering innovative solutions

that drive both productivity and profitability for growers worldwide."

What sets Stingray 25 apart is its unique seaweed extraction process, which preserves bioactive compounds, such as acids, fucoids and mannitols, that help plants combat abiotic stress. These compounds, developed through the seaweed's adaptation to extreme conditions, ensure better root structure, improved water and nutrient uptake, and uniform growth for higher yields.

SELECTA RELOCATES URC - PRODUCTION TO KENYA AND UGANDA

At the end of the current B&B season, the Selecta Group will move URC-production from its Kunzila site in northern Ethiopia to its main locations in Kenya and Uganda. The unstable political situation and the uncertain military environment were the main reasons for this decision.

All customers will continue to be supplied seamlessly without any interruptions. Production capacities were expanded accordingly at the well-known and proven locations in Kenya and Uganda. The farms are fully prepared to

ensure the availability of goods and full delivery capability. This applies in particular to the current Poinsettia sales season. The Pelargoniums and Mandevilla previously produced in Ethiopia will be produced in additional areas in Kenya on Lake Naivasha for the next season. Selecta has good, long-standing experience with both crops at this location.

The closure of the site in Ethiopia has been carefully considered and is ultimately necessary, as the major logistical challenges of the past two years could not



be permanently resolved under the current conditions, even with the greatest efforts. Most importantly, there was no guarantee that the safety of employees could be ensured to the required extent.

■ Planter Bags



A Horticultural Evolution:

Nurseries and tree farms have been growing trees using traditional methods: in ground or in containers for centuries. With the invention of plastic, the traditional clay pots were replaced with black plastic containers. While the plastic containers were easier to transport and lighter in weight, they also brought about problems of root spiralling and poor root growth. Eventually replanting these trees caused a significant number to die, creating a loss for everyone.

Growinnovate was looking at this problem almost 20 years ago and started testing HDPE woven planter bags as a possible replacement for the

traditional plastic pots. Remarkable results were obtained within just a few months, with the main benefit being a far superior root system that eliminated root circling. This was the innovation that fueled the beginning of Growinnovate. Two years later, after perfecting the design of the bags to maximize its many benefits, the GrowinBag™ was produced.

Helping Change the Way You Grow:

Today, the market is changing. The demand for green cities and urban areas is insatiable, thus trees and plants are being transported around the world in numbers that have never

GROWINNOVATE: AN INDUSTRY LEADER

Growinbag™ - helping nurseries and tree farms evolve





"Growing with GrowinBag™ ensures that the amount of water delivered to each tree is controlled by the nursery and not lost in the ground."

been seen. Water has become a commodity that is more expensive per litre than fuel. In addition to this, consumers are concerned over soil quality and soil health and it seems that the nurseries and tree growers are up against insurmountable odds. Luckily, the foresight of Growinnovate with its planter bags GrowinBag™ can provide the solution.

Transport of trees is simplified with heavy duty handles, able to be lifted with forklifts or by crane. Handling of the trees is minimized as the trees are grown in the bag and there is no need to uproot or use tree spades that can damage the root system. Trees in the bags can be loaded onto truck beds

or shipping containers to reach their final destination without damage, stress, or water loss to the roots.

Growing with GrowinBag™ ensures that the amount of water delivered to each tree is controlled by the nursery and not lost in the ground. In the same way, nutrients can be delivered individually. Contaminants in the ground are kept away from trees and their food by-products. The soil health is controlled by the nursery and is kept clean and free from contaminants in the ground.

Manufacturer Guarantee:

Growinnovate remains committed to its customers

through expert advice and product development. Of course, the market has capitalized on our findings, and there are other inferior producers of woven planter bags. Nevertheless, GrowinBag™ planter bags — our flagship brand — are recognized around the world for their dependability and manufacturer's guarantee. The company believes in manufacturing a superior product with personal customer service that includes adapting the design for different environments and individual needs. Growinnovate has played a role in the evolution of the horticultural industry and is most definitely an industry leader in its field.

For more information, visit
www.growinnovate.com.au

SAVE ENERGY IN GREENHOUSES WITHOUT AFFECTING PLANT ACTIVITY

Article By: **Jos Beerens**
Business Support Manager, Grodan

Joost Veenman
Product Manager, Ridder

Growers need to reduce their total energy inputs to keep their cultivation costs under control. They will therefore have to revise their temperature, lighting, screening and irrigation strategies to keep their crops active and healthy to produce commercial yields. Many growers will be reducing 24-hour temperatures, which will mean longer fruit development times and may produce a higher than anticipated fruit load prior to the first harvests. Planting time and density strategies (for tomatoes) may also require adjustment. If not, there's a greater risk of diseases and poor fruit quality as a result of weakened plants.

Reducing the energy input to manage production costs also requires changes to the irrigation strategy. The focus lies on preserving sufficient plant activity and monitoring the root zone conditions, especially during winter and early spring. The greenhouse climate needs to stimulate plant activity. That means attending to all three areas of crop management: the

climate immediately around the plant, the plant itself, and the root zone. Growers must work on these three focus areas together to create optimum growing conditions for the plant. Keeping plants healthy depends on a complex balance of conditions, particularly on the interaction between:

- light and temperature
- humidity, ventilation and transpiration
- irrigation and nutrient uptake.

Take care when reducing (growing) light and radiant heat

Growers are understandably replacing HID lights with more energy efficient LED lights. However, HID lights also produce a lot of radiant heat and just replacing them with LEDs can actually reduce plant activity. In these circumstances growers will have to increase the pipe temperature to compensate for the lower heat output from the lamps. Increased use of thermal (energy) screens like Ridder's Res-10-FR will help save energy by 'insulating' the greenhouse. They can also protect plant temperature, particularly the





Water content (WC) and electrical conductivity (EC) are essential measurements for healthy plants and fruits. Shown here: the GroSens measuring system from Grodan.

plant's 'head' temperature, by reducing long-wave (IR) heat emission to maintain plant activity, especially during the night. Pyrgeometers to measure IR radiation allow growers to see what is happening and will give a better understanding of screen control. Growers may also use lower outside light intensity thresholds for turning off growing lights, but this will require adjustment to the 24-hour temperature. It makes sense to spend time discussing all this with colleagues and advisors to gain new insights.

Humidity, ventilation and transpiration

Greenhouse humidity is just as important as temperature, and deserves equal attention. Sufficient humidity is needed to keep the stomata open for transpiration so that it occurs during the day and at night. However, limited air movement or too low an air exchange can lead to growth issues. When it's

cold outside, a lot of humidity will be removed by condensation on the glass. The rate at which air is exchanged from the greenhouse will depend on the absolute humidity (AH) below and above the screen, and from there to the outside air.

Growers should pay more attention to steering based on AH to save energy, and so optimize their heating, venting and screening (humidity control) strategies. Growers should maintain their focus on creating air movement for plant activity (air movement stimulates transpiration). There are, for example, many new developments in fan technology, which offer more efficient ways of creating air movement rather than using the pipe heating.

Water flow and nutrient uptake reflect plant activity

Water and fertilizer uptake will naturally react to changes in

the greenhouse climate. Meaning that the irrigation strategy must also be adjusted to the new situation. Water and nutrient flow through the plant are key parameters for showing plant activity. These flows are driven by transpiration.

Growers will need to measure as close as possible to the plant to gain the necessary insights. The most direct way is to attach sensors to the plant stems themselves so they can measure water flow, however our understanding of what to do with this information is still limited. These new sensors can therefore be best used with systems like GroSens (Grodan) or ProDrain (Ridder) to obtain more insight into how the plant is taking up water and fertilizer.

Key substrate parameters to follow in the irrigation strategy are the Water Content (WC), Electrical Conductivity (EC) and pH (see Figure). The pH will indicate trends in vegetative (higher pH) or generative (lower pH) growth. Regularly monitoring these parameters can help tell you when and where to adapt climate set points to improve plant activity. Weekly sampling of substrate and drain nutrient levels is important, especially two weeks before and after the first harvest.

Focus on maintaining the correct potassium levels in the substrate

(e.g. for tomatoes it is 6-8 mMol/l). Samples should come back from the laboratory within days because nutrient levels can quickly become unbalanced. When using bore hole (well) water for irrigation, elements such as sulphates and sodium can quickly increase over time when the irrigation water is recycled. That can also impact the availability of essential elements, especially if irrigation EC is (structurally) too low and combined with limited irrigation volumes per day.

Variations in daily irrigation

The irrigation volume should be compared to the volume of drain water received. This will indicate the uptake from the plant, which is a value that can be visualized on the climate computer. Daytime irrigation levels are critical.

Growers should look carefully at the volume of drain they need per 24 hours for leveling differences in the percentage of WC or the EC in the substrate across the greenhouse. In winter, if there is too little water uptake during the day, the substrate EC values can decrease because the plant will be taking up all the fertilizer.

If the irrigation EC is also reduced this will further reduce nutrient availability for the plant (the exact opposite as in summer!). In winter, if the EC values decrease over two or three days growers should look critically to their

climate strategy and adjust this to stimulate 'uptake' before adapting their irrigation strategy. However, if as a grower you observe substrate EC moving closer to the irrigation EC your first response should be to increase the irrigation EC and/or at the same time stimulate plant activity, which will also lead to a higher irrigation demand.

The daily irrigation strategy should reflect growth and plant performance. Stimulate root growth in the morning by optimizing the irrigation start time. Focus on increasing fertilizer uptake in the middle of the day to supply the building blocks (fertilizer) for plant growth and development. And focus on water uptake (root pressure) at the end of the day to increase fruit size by making the root temperature higher than the air temperature and, if required, adding an extra irrigation in the early evening. The decrease in the percentage of WC overnight (from last irrigation day 1 to first irrigation day 2) provides growers with valuable information on plant activity.

The rate of decrease in WC from the last irrigation to sunset, and from sunrise to first irrigation are the most important parameters to monitor because they indicate how active the plants are at key moments in the day. Stopping irrigation earlier or starting later – or even better adjusting the greenhouse climate settings (lighting, heating, air flow, humidity) will lead to a better crop performance if the rate of WC (%) decrease is too low.

For more information, visit www.ridder.com

Systems like ProDrain from Ridder interpret information from plant sensors to give insights into aspects such as transpiration.

CAREEM PARTNERS WITH BUSTANICA TO DELIVER PESTICIDE-FREE, LOCALLY GROWN PRODUCE TO UAE CUSTOMERS

Careem partners with Bustanica, the world's largest vertical farm, to bring fresh, pesticide-free leafy greens directly to customers in Dubai and Abu Dhabi through Careem Groceries.

Bustanica's sustainably-grown produce, including parsley, lettuce, beet, spinach, kale, arugula, and microgreens, is harvested without soil and with 95% less water than traditional farming. With zero pesticides, herbicides, or chemicals, Bustanica's produce is grown in a fully controlled indoor environment, ensuring higher nutritional value, longer shelf life, and year-round availability.

Backed by a \$40 million

investment, Bustanica is the world's largest indoor vertical farm. Using AI and machine learning, its hydroponic facility near Al Maktoum International Airport produces over one million kilograms of leafy greens each year.

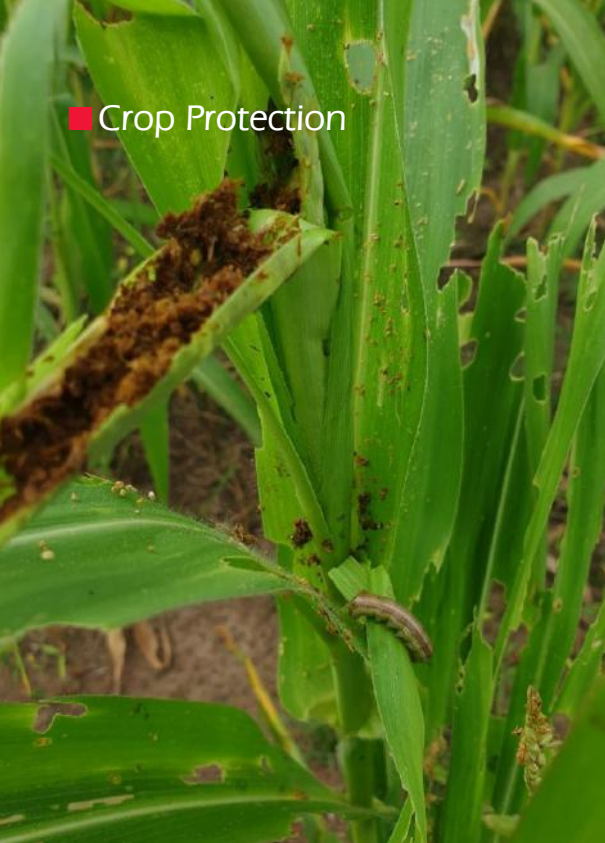
Chase Lario, VP of Groceries at Careem, commented: "Our partnership with Bustanica makes it easier for customers to access fresh, locally grown produce that's pesticide-free and nutrient-rich. At Careem Groceries, we're committed to offering the highest quality products, and we're excited to deliver food that's better for people and the planet - in minutes."

Kieran Dowd, GM Emirates Bustanica & VP Sourcing solution at Emirates Flight Catering, commented: "Through Careem's cutting edge technology

platform and sophisticated delivery network, we can ensure our high quality products reach customers with the speed, convenience and excellence they deserve. The future of retail is digital, and partnering with a true pioneer in the Middle East's digital ecosystem, positions us to create a seamless and elevated experience for our valued customers."

Careem Groceries offers a wide selection of everyday essentials, including fresh produce, meat, seafood, pantry staples, household goods, cleaning supplies, pet care, baby products, and more - all available for delivery in under 60 minutes across Dubai and Abu Dhabi.

For more information, visit
www.bustanica.ae



The Fall Armyworm (*Spodoptera frugiperda*) is a major threat to agriculture worldwide. This rapidly proliferating pest particularly targets essential cereal crops such as maize, and seriously compromises global food security.

Originating in the USA, the Fall Armyworm has proliferated exponentially on the African continent, where its massive invasion has caused extremely serious agricultural losses. In Zambia, where maize is the cornerstone of food security with over 1.4 million hectares under cultivation, repeated infestations of Fall Armyworm are causing alarming yield reductions, with the maize harvest in 2023/2024 reaching its lowest level for 16 years.

Zambia, a country hard hit by this plague, affecting more than 279,843 farms and damaging 222,586 hectares, is now benefiting from the deployment of a pioneering solution developed by M2i Group, the European leader in biocontrol. This biocontrol solution combines agronomic

M2I GROUP LAUNCHES AN INNOVATIVE SOLUTION AGAINST THE FALL ARMYWORM IN MAIZE IN ZAMBIA

performance with respect for the environment, providing a sustainable alternative to conventional insecticides.

Frugiperda Pro Press+[®], an innovative solution against the Fall Army Worm, is a mating disruption method specific to this insect pest. By limiting encounters, and therefore mating, this biocontrol solution will disrupt the insect's reproductive cycle and ultimately reduce its presence in crops.

M2i Group therefore offers this biocontrol product based on the use of pheromones. This approach is non-toxic and selective, unlike conventional insecticides, which affect a wide range of species. M2i's Frugiperda Pro Press+[®] solution targets FAW exclusively, preserving the auxiliary insects and pollinators essential to

agricultural ecosystems. What's more, optimised for Zambia's climatic and agronomic conditions, this solution is designed to be easily adopted by local farmers, guaranteeing effective and sustainable implementation.

This biocontrol product is available in two application formats to meet the needs of farmers. It can be used in sprayable form using conventional nozzles, guaranteeing even, effective coverage over large areas. For more targeted applications or on smaller and non-mechanized plots, it can also be delivered as a gel with a manual device. This versatility makes it ideal for all types of fields, from large-scale operations to smaller-scale cultivation.

"What's more, optimised for Zambia's climatic and agronomic conditions, this solution is designed to be easily adopted by local farmers, guaranteeing effective and sustainable implementation."

For more information, visit www.m2i-group.fr

AI MEETS AGRICULTURE: AGMATIX AND BASF PARTNER TO DEVELOP SOYBEAN CYST NEMATODE DETECTION TOOL

Agmatix, a leading provider of AI-powered agronomic solutions, announced a strategic collaboration with BASF, one of the world's largest chemical and agricultural solutions companies, to develop a cutting-edge digital solution for detecting – and predicting – the presence of soybean cyst nematode (SCN). This collaboration started through AgroStart, an open innovation and partnership platform by BASF, that aims to empower soybean growers with real-time, scalable insights to mitigate yield losses caused by SCN, one of the most damaging and often invisible soybean pests.

A Unique, Data-Driven Approach

At the heart of this initiative is Axiom, an advanced AI technology engine developed by Agmatix, which transforms vast amounts of raw agronomic data into highly

standardized and enriched datasets. This rigorous data process enables the development of a robust machine-learning model capable of detecting and predicting SCN infestations with unprecedented accuracy and scalability.

"The most critical element in any AI model is the quality of the data driving it," said Dr. Shai Sela, Chief Scientist at Agmatix. "By harmonizing and enriching SCN field trial data through our platform, we can ensure consistent, reliable outputs – regardless of region, soil type or cropping conditions. It's a novel approach that dramatically increases the model's predictive power, putting actionable insights directly into the hands of growers."

Combining Expertise for Scalable Impact

Developed through AgroStart by BASF, this initiative combines Agmatix's AI-driven agronomic platform with the deep

expertise of BASF in seed and crop protection solutions and will foster the development of a scalable, user-friendly digital model. The tool will integrate with existing farm management practices, enabling users to access near real-time SCN risk assessments and tailor their pest management strategies accordingly.

"Collaborating with companies like Agmatix allows us to leverage advanced digital technologies and artificial intelligence in parallel with our existing seed and trait, seed treatment and crop protection solutions," said Mika Eberl, Head of AgroStart and Digital Officer at BASF Agricultural Solutions. "This collaboration not only enhances our current offerings but also complements our future innovations like Nemasphere™, providing growers with a comprehensive, proactive approach to safeguard their soybean yields against SCN."

As the global population grows and climate change intensifies, the agricultural sector is under increasing pressure to produce more food while reducing its environmental impact. One of the most promising solutions to emerge is the use of Solar-Powered Irrigation Systems (SPIS's), which harness solar energy to power irrigation pumps. These systems, combined with advanced control technologies, are revolutionising farming practices, offering a sustainable path forward for the industry.

The Challenge of Traditional Irrigation

Irrigation is essential for global food production, with over 320 million

can reduce greenhouse gas emissions by up to 98% compared to diesel-based alternatives. This shift not only supports global decarbonisation efforts but also provides farmers with a more reliable and cost-effective solution, particularly in remote areas where grid connectivity is limited.

The Role of Variable Speed Drives (VSD's)

At the heart of SPIS's are Variable Speed Drives (VSD's), which play a crucial role in optimising energy use and operational efficiency. Traditional irrigation systems often rely on oversized pumps that operate inefficiently at lower flow rates. VSD's, however, enable pumps to adapt to varying conditions, reducing energy



SOLAR-POWERED IRRIGATION AND SMART CONTROL TECHNOLOGIES IN AGRICULTURE

hectares of land currently equipped for irrigation—more than 20% of all arable land available. However, traditional irrigation methods are energy intensive, consuming an estimated 62TWh annually worldwide. Many of these systems rely on fossil fuels, with 26% of agricultural pumps in the U.S. alone running on diesel or other non-renewable energy sources. This not only drives up operational costs but also contributes significantly to greenhouse gas emissions.

SPIS's present a compelling alternative. By using solar energy to power irrigation pumps, these systems

consumption by 20-50% on average. This not only lowers operational costs but also extends the lifespan of the equipment.

VSD's also offer advanced features such as dry-run prevention, automatic stop functions, and energy-saving modes, which further enhance the sustainability and reliability of SPIS's. These technologies go beyond energy savings—they enable smarter, data-driven irrigation practices. By integrating sensors and energy optimisation platforms, farmers can monitor soil conditions, weather patterns, and equipment performance





in real time, allowing for more precise and efficient water use.

A Case Study in Innovation

A compelling example of SPIS's in action comes from the Basque Country in Spain, where the family-run Txakoli Bikandi winery successfully implemented a custom solar-powered irrigation solution. Using advanced control technologies, the winery optimised ensuring the healthy growth of multiple grape varieties. This solution not only reduced energy costs but also improved the winery's overall sustainability and productivity.

The Bigger Picture

The adoption of SPIS's and VSD's represents a significant step forward for the agricultural sector. By reducing energy

consumption, lowering operational costs, and enabling smarter irrigation practices, these systems can help farmers enhance their resilience, productivity, and environmental sustainability.

As the agricultural sector continues to evolve, the integration of renewable energy and advanced control technologies will be critical in addressing the dual challenges of food security and climate change. These innovations offer a roadmap for farmers, agronomists, and policymakers looking to embrace sustainable irrigation solutions and build a more resilient future for agriculture.

For more information, visit www.ControlTechniques.com



THE UAE IS PREPARING FERTILE GROUND TO LEAD IN AGRI-TECH

An estimated 733 million people around the world face chronic hunger.

That's one in eleven globally; one in five in Africa. Here in the Middle East, more than 50 million people experience severe food insecurity, a crisis worsened by conflict, deepening economic disparities and climate change.

In short, the world is failing to meet its goal of eradicating hunger by the end of the decade. As the effects of climate change continue to have a profound impact on arable land, now, more than ever, we must put in place plans to combat the twin effects of rapid population growth, and climate-induced disruption of food production.

COP16, a pivotal event currently held by the United Nations Convention to Combat Desertification (UNCCD) under the theme of "Our Land, Our Future", aims to address the urgent global crises of land degradation. The summit has a day dedicated to agri-food systems emphasizing the importance of continued, unhindered supply of food staples to ensure we meet our goal of eradicating hunger by the end of the decade. The UAE has

taken center stage at COP16 with its pavilion housing dialogues focusing on innovation in food systems, regenerative agriculture, biosaline agriculture in arid climates and the role of data and AI in advancing sustainable strategies. We cannot reverse the adverse effects of climate change in time to meet our 2030 deadline which is why the role of agri-tech is the key to finding solutions to the issues we face. Amna bint Abdullah Al Dahak, Minister of Climate change and Environment (MOCCAEE) participated in two sessions championing the importance of policy, both on a national and global scale to ensure private/public sector cooperation and financing to ensure we meet our ambitious but important goal.

While much work needs to be done to alleviate hunger globally, the UAE has been steadfast in bolstering its own long-term food security. At the same time, it has been a major donor of food and humanitarian aid, contributing more than AED200 billion in humanitarian relief over the past decade.

Launched in 2018, the 2051 National Food Security strategy aims to position the UAE at the top of the global food security rankings, through increasing local food production, diversifying imports and applying new technology including AI. Enhancing food reserves, fostering public-private partnerships, reducing waste, improving food quality and promoting better nutrition are other pillars of the strategy.

Concrete progress is being made, as evidenced by September's historic free trade deal between the UAE and Australia, which will remove tariffs from about 99% of Australian imports, among them meat, dairy, oilseeds, seafood, nuts, honey, chickpeas and lentils.

Meanwhile, in June, the Abu Dhabi government introduced the AgriFood Growth and Water Abundance (AGWA) initiative to reinforce Abu Dhabi's emerging status as a center for innovative food and water solutions. The objective is to attract as much as AED125 billion of investment in sustainable farming and food technologies, and more than 60,000 jobs, over the next 20 years.



In addition to these national initiatives, ecosystems such as Masdar City's agri-tech cluster provide fertile ground for start-ups and established companies alike to collaborate and share ideas to help accelerate the agriculture sector. The idea of an industry-specific cluster such as this helps smaller companies through their incubation period, while facilitating collaboration with bigger companies to help move forward the agri-tech sector in the UAE, which in turn will have profound global impact, ensuring that the key hotspots for hunger such as Sub-Saharan Africa and parts of Asia benefit from the UAE's leadership in this field. Complementing initiatives like FoodTech Valley and AgriTech Loans, Masdar City partnered with Alesca Technologies to launch a vertical farm producing 650 kilos of greens monthly with minimal water use. These efforts are advancing sustainable urban farming and supporting the UAE's growing agri-tech industry. These industry breakthroughs developed in the UAE will be exported to some of the world's most needed areas to ensure that together, we

make sure no one goes hungry.

In addition, dozens of other new ventures are springing into life, like Circa Biotech, which breaks down food waste into organic animal feed using black soldier flies, and HydroArtPod, which brings hydroponic farming technology into residential homes. Another collaboration with the Abu Dhabi-based venture builder and investment platform DANA will offer start-ups more than 1,700 square meters of open-field farm land and greenhouses to test their solutions. As the UAE delegation correctly pointed out, farming needs modern techniques to improve efficiencies to the levels needed to cope with population rises and changing weather. For instance, we can leverage the work done by the Mohammed Bin Zayed University of Artificial Intelligence in Masdar City, the world's first university dedicated to AI, to help the food production industries improve efficiencies and make better informed decisions. These are just some of the initiatives that demonstrate just how fertile the UAE is for the growth of the agri-tech industry.

While the stakes may be high, the potential payoff is equally

great. The value of the global agri-tech sector is expected to more than triple by the end of the decade, from around US\$23 billion today to nearly US\$80 billion. Considering the acute need for more sustainable farming in fast-growing economies such as ours, carving out a substantial share of this booming market is both morally and economically the right thing for the UAE to do.

It is important to note that Abu Dhabi possesses a substantial agricultural sector, comprising over 24,000 farms, predominantly located in Al Ain. These farms have a longstanding practice of employing environmentally responsible farming methods.

Realizing a large-scale agri-tech industry in the UAE may seem an unachievable target to some, however the same was once said about our potential to become a clean energy leader. The UAE has settled that argument conclusively. It can do the same with respect to agri-tech, while playing a meaningful role in galvanizing the collective effort to eradicate world hunger.



PURE HARVEST & PLANFARM LAUNCH PIONEERING INTEGRATED SMART FARM IN AL AIN

Pure Harvest Smart Farms (Pure Harvest), the region's leading technology-enabled agribusiness, and PlanTFarm, one of Korea's leading smart farming solutions providers, are proud to announce the official opening of the redeveloped Al Ain farm, which will serve as a pioneering, multi-use, and high-tech controlled environment agriculture (CEA) farming facility. The partnership and development, announced in December 2023, leverages cutting-edge AI-powered technology to bring consumers a new range of fresh, high-quality products that will be split between innovative branded consumer produce, and a pioneering resource-efficient animal fodder initiative.

Innovative Approach to Animal Fodder Production

One of the most significant advancements introduced by this

collaboration is a commercial-scale pilot of resource-efficient animal fodder production. The Gulf region relies heavily on imported animal feed, but the new smart farm utilises PlanTFarm's state-of-the-art technology to produce fresh, nutritious fodder using 95% less water per kilogram compared to traditional farming methods. This collaboration, which is co-located within a hotspot of livestock farms in the area, will not only reduce the UAE's extreme dependency on imported feeds, but also provide a cost-effective and sustainable alternative for local farmers. If the agronomics prove to be sustainable, Pure Harvest plans to scale up the solution and to offer co-located, integrated fresh feed supply across the region.

Novel Branded Consumer Produce Offerings

The hybrid farming technology across this site is equally setup to enable the propagation, production and cultivation of an exciting new range of Pure Harvest premium Korean strawberries, renowned for their pure taste and natural sweetness. Traditionally grown in colder climates, these sought-after strawberries can now be produced in the UAE, forever "in season," thanks to this innovative growing solution for

strawberries. To maximise the full potential of this remarkable site, Pure Harvest is also introducing crispy, homegrown leafy greens, available all year round, ensuring a steady supply of fresh, locally grown produce.

At the opening ceremony, which took place onsite on Thursday, February 20th, CEO and Founder of Pure Harvest, Sky Kurtz said: "I'm delighted to see this ambitious, first-of-its-kind collaboration between Pure Harvest and PlanTFarm come to fruition. We pride ourselves on choosing the 'right tool for the job', and PlanTFarm's innovative growing solution makes new and innovative Korean strawberries, water-efficient animal feed, and plant propagation R&D possible – all under one roof. We believe that embedding vertical farms within a high-tech greenhouse 'campus' enables us to capture the significant production advantages this solution provides, while mitigating its economic disadvantages – resulting in a compelling, economic, and sustainable integrated farming solution."

For more information, visit www.pureharvestfarms.com



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VALTRA S SERIES AWARDED RED DOT: BEST OF THE BEST AWARD

In a world's first, the sixth generation Valtra S Series has won all three major design awards in one year. In just a few months, the Finnish tractor brand has walked away with a Good Design Award, iF DESIGN AWARD, and now the prestigious Red Dot Award: Product Design 2025. This remarkable feat has never before been achieved by any tractor brand. Red Dot judges were so impressed with the S Series' design and attention to user experience that they awarded the tractor the Red Dot: Best of the Best Award. This is an unprecedented move, having never been inferred on a tractor before. This special recognition is the highest distinction in the competition and is only awarded to truly pioneering designs.

Kimmo Wihinen, Head of Industrial Design and User Experience at Valtra underscores the importance of the Valtra S Series' recent

awards success, "It feels extremely special to have won all three of the world's biggest and most prestigious design competitions with the Valtra S6. All this is tremendous recognition of Valtra's long-standing commitment to industrial design and user experience, where the customer is always at the centre of everything we do."

Valtra is no stranger to the Red Dot Design Awards. Since 2011, the Finnish brand has won no fewer than 9 Red Dot Awards – more than any other tractor brand. Kimmo Wihinen acknowledges the long-term dedication and teamwork that goes into ensuring continued success, "None of this would be possible without the seamless cooperation of top experts from different fields and herewith the biggest thanks go to all the people who worked on the project, as well as to our customers who push us to even better performance,"

he concludes.

Winners are invited to a special Red Dot Gala event on the 8th of July 2025 in Essen, Germany. The Red Dot: Best of the Best Award will be presented to the Valtra team in the aptly named Aalto-Theater which was designed by renowned Finnish architect, Alvar Aalto.

With the form-follows-function design, the Valtra S Series delivers strong farmer value with easy-to-use smart farming technology, fuel efficient engine technology and customisation options through the Valtra Unlimited Studio. The S Series can be experienced at many events in the Valtra SmartTour as it travels throughout Europe. Alternatively, the S Series can be viewed & configured in their Virtual Showroom at any time.

For more information, visit www.valtra.com



THE SECRET BEHIND AEROBIC COMPOSTING

Nature shows us the value of patience. Just like a seed needs time to grow into a tree, manure needs the right process to become fertilizer. Step by step, manure changes into something valuable, with bacteria doing their work to unlock nutrients.

Aerobic composting is the key to this transformation. This method fosters aerobic bacteria—nature's silent workers—to thrive and work efficiently. In the first stage, mesophilic microorganisms break down easily degradable compounds, producing heat as they work. This initial activity sets the foundation for the next phase, where the magic intensifies.

The thermophilic phase, marked by increased temperatures reaching up to 70-80°C, ensures thorough sanitization. At this stage, harmful pathogens and weed seeds are destroyed, creating a safer, healthier

final product. Following this, the cooling and curing phases stabilize the compost, enriching its structure, improving nutrient availability, and ensuring maturity.

Unlike anaerobic processes, which are often followed by unpleasant rotten odors, aerobic composting ensures a neutral and natural smell. And unlike drying methods, which may not neutralize pathogens, composting guarantees a final product that is both safe and ready to nurture soil.

As a Japanese company, we care deeply about the environment. Composting is not just about processing manure—it's about creating something useful and sustainable.

From the very beginning, it is crucial to set the right conditions. This is where monitoring becomes essential. With advanced solutions like the Soilath System, you can

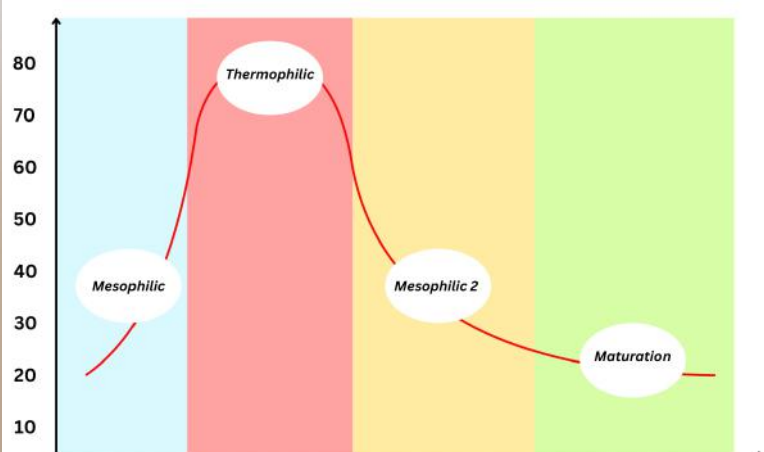
observe the dynamic shifts in your composting pile. This technology offers real-time monitoring, allowing users to identify and address issues early as well as save time and effort.

The journey of manure to compost is guided by science and care. Our composters ensure materials are consistently aerated and stirred, maintaining optimal conditions for bacteria to thrive. Step by step, the transformation happens, leaving behind a product rich in nutrients and free of harmful elements.

Composting isn't just a method—it's a way to care for the planet. By choosing composting, we create healthier soil, cleaner environments, and a better future for all.

For more information, visit
www.kohshin-s.jp

March-April 2024



BALANCING THE GUT FOR HEALTHIER ANIMALS AND BETTER PERFORMANCE

Gut health is not simply a battle between good and bad bacteria. Some microbes traditionally considered harmful can have beneficial roles under certain conditions, while those typically seen as beneficial may cause issues if they overgrow or end up in the wrong place. The key is maintaining a stable microbial balance that supports animal health and performance.

Many factors—including temperature, feed quality, hygiene and antibiotic use—can disrupt this balance. AGPs, once widely used to promote growth, have been particularly problematic. By eliminating a broad spectrum of bacteria—including beneficial ones—AGPs can impair nutrient absorption, increase inflammation and weaken the immune system. Their long-term use also contributes to antibiotic resistance, making infections harder to treat. These concerns have led to AGP bans in several countries, increasing demand for effective, natural alternatives.

Phytogenics: a natural approach to a healthier gut
Phytogenics offer a targeted, multi-faceted approach to modulating gut microbiota. Their benefits extend across the digestive tract:

- In the small intestine, phytogenics help combat harmful bacteria that cause infections.
- In the colon, they act like prebiotics, promoting the growth of beneficial bacteria essential for digestion and immunity.

Unlike AGPs, which indiscriminately kill bacteria, phytogenics are selective. They target harmful microbes while preserving beneficial ones, creating a healthier gut environment. Their additional anti-inflammatory, antioxidant and immune-boosting properties further enhance animal performance and well-being.

A prime example is Anta®Phyt, a phytogenic complex designed to support growth and gut health in poultry, swine and ruminants. In commercial settings,

Anta®Phyt has been shown to improve chicken growth, particularly during critical development stages. In a 42-day study with 1,155 broilers, the use of Anta®Phyt increased beneficial bacteria such as Bifidobacterium and Lactobacillus, while significantly reducing harmful Escherichia coli levels. At the same time, the performance of the broilers with Anta®Phyt was significantly higher than without (control). By fostering a healthier gut microbiome, Anta®Phyt strengthens digestion, improves nutrient absorption and enhances overall animal performance—offering a natural and effective alternative to AGPs.

For more information, visit www.dr-eckel.de



In validation studies performed in partnership with third-party accredited labs and poultry processors, BIOIONIX® generated activated water (also known as electrolyzed water with nanobubbles) demonstrated a microbial kill, reduced turbidity and process water reconditioning for reuse in poultry applications.

“Over the past two years, we’ve been working with academia and processors to validate a chemical-free solution for poultry process water reconditioning which will change the poultry industry as we perceive it today.” States Ryan Karns, CEO. In a scalding water validation study results demonstrated: 1.) Over 7 log reduction of pathogens, 2.) 81% water clarity restored, 3.) enabling 67% process water reuse. Additionally, the defouling capabilities of the activated water was found to be remarkable with complete elimination of any foul odor and undesirable characteristics.

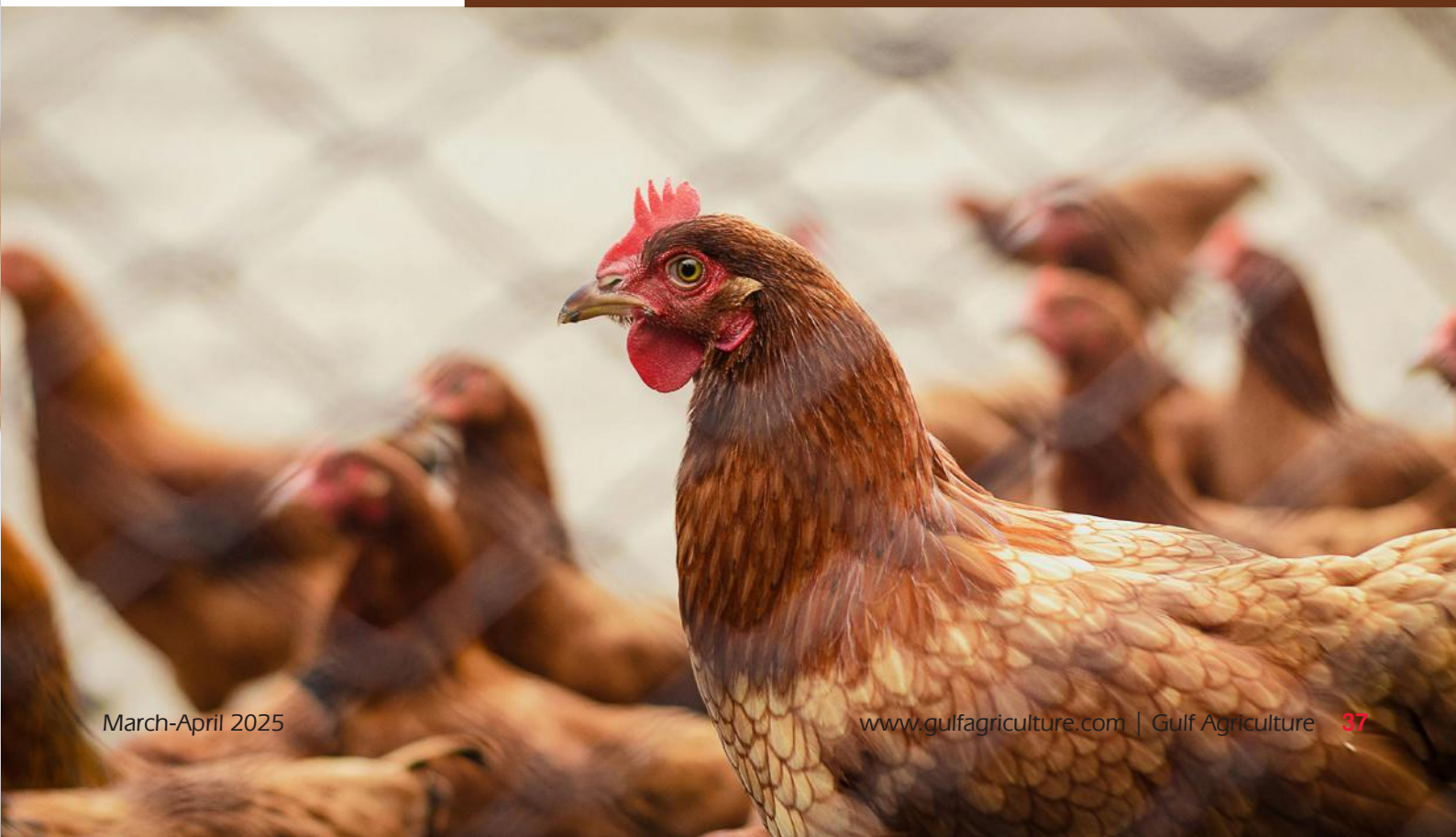
The BIOIONIX BIOSAIF24/7 systems have long-been proven in food safety for microbial management at par or superior to toxic chemicals (like peracetic acid, bleach and ammonia). With the chemical-free solution, powering RTE meat brine recirculation for up to 4 weeks and cheese brine use for often years, raw meat partners were looking to go beyond the microbial kill step use of the BIOIONIX BIOSAIF24/7 system to also include enhancements for reconditioning and process water reuse. Kyle Jenson, VP Innovation and Sales states, “We’re confident our solution provides not only the peace of mind for food safety, but also offers poultry processors the

ability to save millions of gallons of process water, working toward their sustainability goals.”

With recent announcements for more thorough USDA testing procedures combined with water restrictions, food manufacturers have even more challenges for microbial prevention and water stewardship throughout their facilities. “With all the recent recalls and new regulations that follow, combined with more media attention on employee safety with chemical burns, we know processors are looking for solutions opposite of throwing more toxic chemicals at the problem,” states Jenson.

For more information, visit
www.bioionix.com

POULTRY WATER RECONDITIONING WITH 67% PROCESS WATER REUSE



INTRODUCING THE MULTIFAN AIRBREEZE: THE ULTIMATE ANSWER TO HEAT STRESS

Heat stress is a growing challenge for dairy farmers worldwide. Rising temperatures in combination with high humidity can significantly impact cow health and productivity, leading to lower milk yields, reduced fertility rates, and increased health risks. Effective cow cooling is no longer a luxury—it's a necessity.

That's why Vostermans Ventilation has developed the Multifan AirBreeze—a solution designed to improve cow comfort even during the hottest days.

Optimal airflow

The Multifan AirBreeze helps farmers maintain a stable and healthy barn climate, ensuring cows stay cool and productive. By generating consistent airflow at a minimum speed of 2 m/s at cow level, it reduces heat stress, encourages feed intake, and supports milk production, even in extreme heat.

Available in two versions, farmers can choose the best fit for their barn setup:

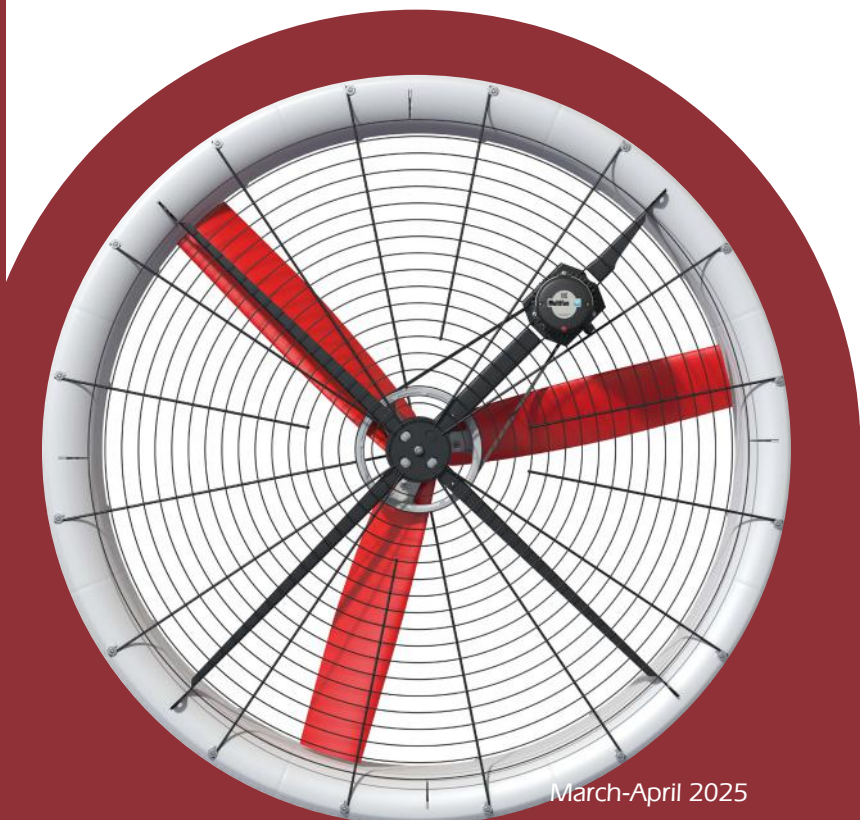
- **Maximized cooling reach:** Ideal for larger barns, moving air across 18 x 5 meters for effective heat stress relief with fewer fans.
- **Energy efficiency:** A highly efficient solution that optimizes airflow while keeping power consumption low.

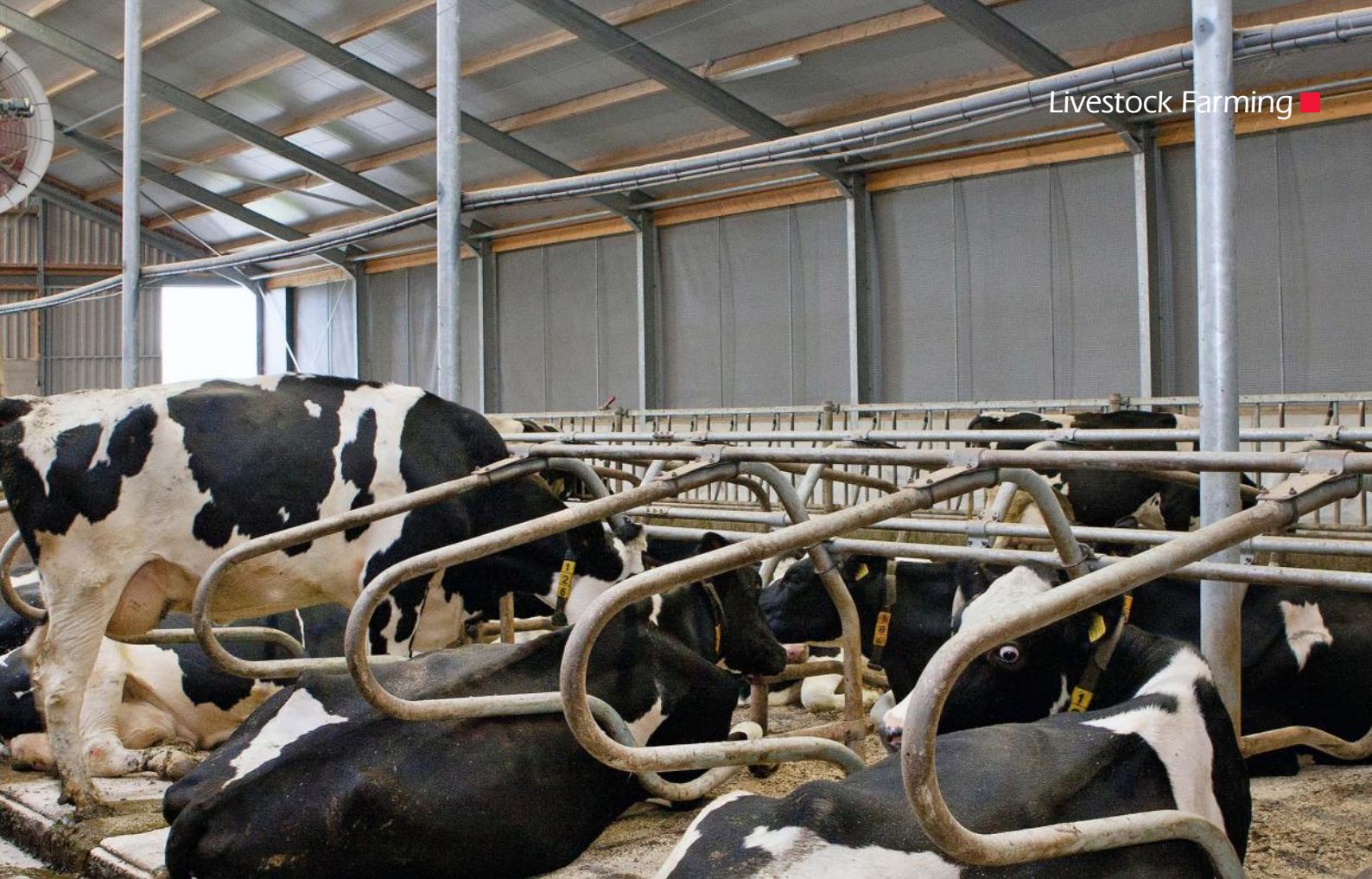
A long-term investment in dairy farm success

A comfortable barn climate is essential for healthy, productive cows. The Multifan AirBreeze is specifically designed with the cow's



needs as the starting point. Built with durability and reliability in mind, designed to withstand dust, moisture, and fluctuating temperatures—delivering





long-term performance with minimal maintenance.

For farmers looking to protect their herd's well-being and ensure consistent milk production, effective air

circulation is key.

The real impact of heat stress

When cows struggle to regulate their body

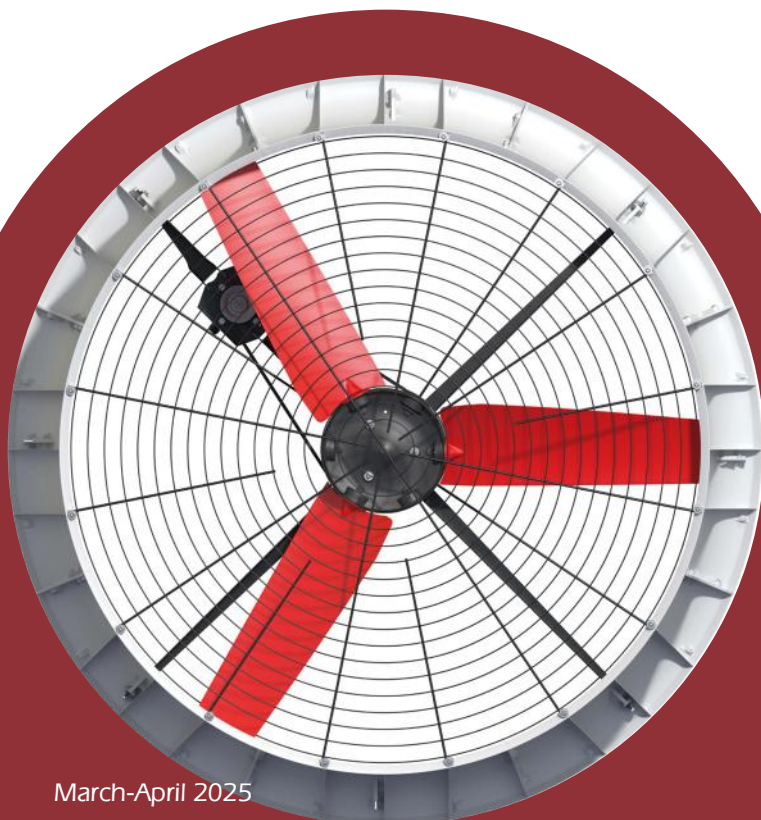
temperature, their feed intake drops, their respiration rates increase, and milk production suffers. The stress of overheating also raises the risk of infections, hoof problems, and fertility issues, affecting long-term herd health and farm profitability.

Without an effective cooling strategy, the consequences can be felt throughout the entire operation—from reduced output to additional veterinary costs.

Beyond summer: year-round climate control

Ventilation matters all year round. In winter, poor air circulation can lead to death spots, condensation issues, damp bedding, and respiratory problems. The ECplus and Vplus technology allow fans to run at lower speeds in cold conditions, preventing moisture buildup while saving energy.

Learn more about the Multifan AirBreeze and how it can improve your dairy barn at
www.vostermans.com/airbreeze



TRANSFORM YOUR ANIMAL BY-PRODUCTS INTO VALUABLE RESOURCES WITH SUNRISE'S ADVANCED SOLUTIONS

SunRise is a globally recognized specialist in rendering equipment, dedicated to transforming animal by-products into valuable resources through advanced processing solutions. Established in 2016, we have rapidly grown into an industry leader, offering innovative and efficient systems that optimize sustainability, performance, and operational excellence.

With a state-of-the-art manufacturing facility spanning 140,000m² and a team of over 120 skilled professionals, including more than 20 experienced engineers, SunRise provides tailored solutions for the animal protein and fat processing industry. Our expertise extends across slaughterhouse waste treatment, kitchen waste

processing, and sludge reduction, ensuring environmentally responsible and high-yield operations.

SunRise integrates cutting-edge European technology and rigorous quality standards to develop precision-engineered equipment that enhances efficiency and reduces environmental impact. Our comprehensive project management system covers every stage, from design and manufacturing to installation, commissioning, and after-sales support. We work closely with clients to deliver customized solutions that meet specific operational needs while adhering to the highest industry standards.

Innovation is at the core of our

business. Our dedicated R&D team continuously advances rendering technology to improve energy efficiency, maximize resource recovery, and ensure compliance with global environmental regulations. As a high-tech enterprise, we are committed to driving industry progress with intelligent automation, superior material durability, and innovative process designs.

Beyond providing top-tier equipment, SunRise offers 360° professional support, including technical consultation, system optimization, and long-term maintenance services. Our global footprint continues to expand as we serve clients across various markets, including Asia, Europe, and Middle East.

At SunRise, we don't just supply equipment—we deliver complete rendering solutions that empower businesses to achieve maximum efficiency, sustainability, and profitability. Partner with us to experience the future of rendering technology today.



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