February 14, 2026

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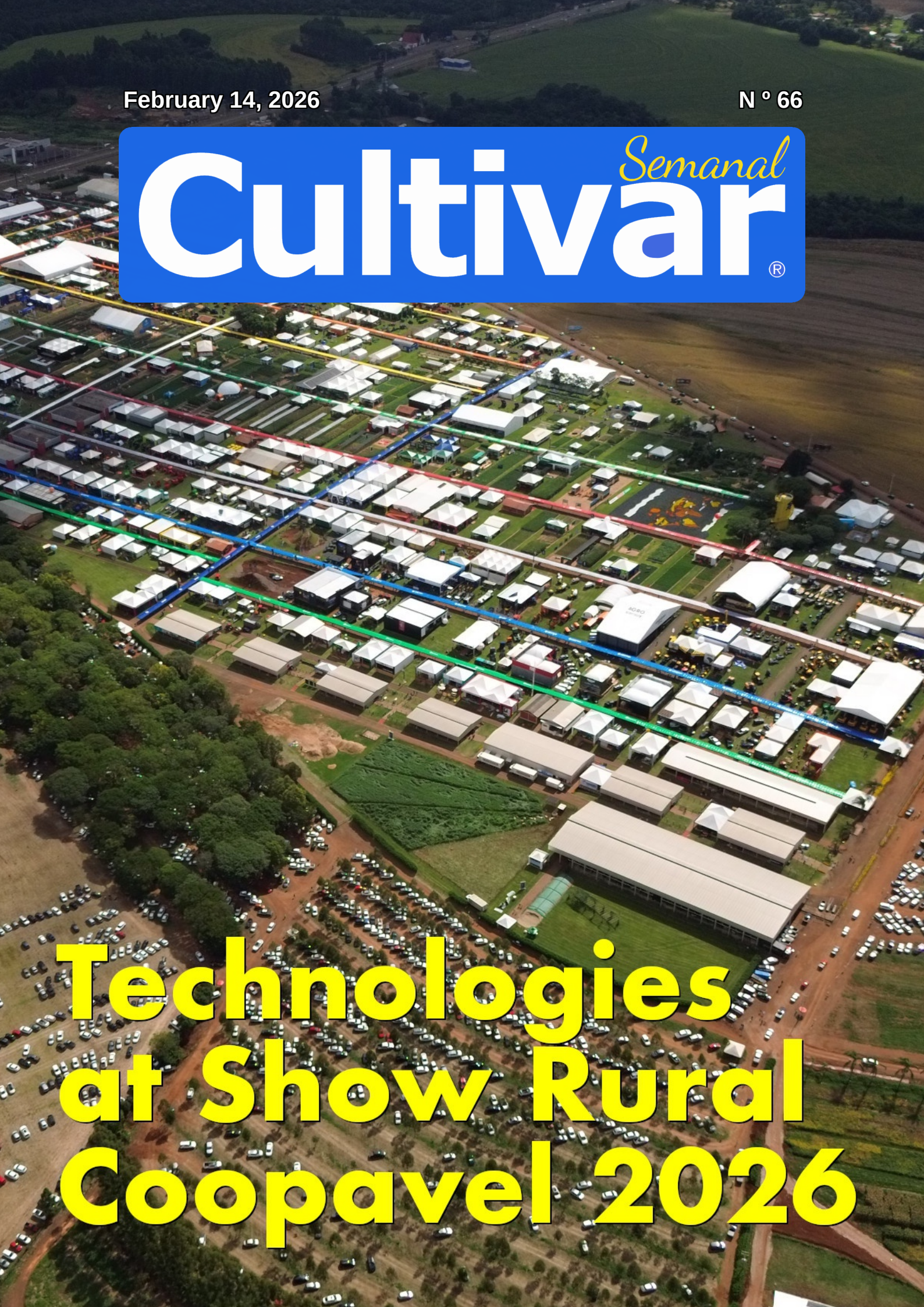
Cultivar Semanal



Technologies at Show Rural Coopavel 2026

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Show Rural 2026 generated R$ 7,5 billion in five days.

The 38th edition of the event received 430,3 visitors, a new historical record.

13.02.2026 | 16:50 (UTC -3)

Jean Paterno

The 38th edition of the Show Rural Coopavel received 430,3 visitors during five days of technical visits, from Monday to Friday, February 9th to 13th, a historical

record, President Dilvo Grolli reported this afternoon. The previous best mark was in 2025, when the event received more than 407 people.

The exhibitors' sales value this year was R$ 7,5 billion, higher than the R$ 7,05 billion of the previous edition. The audience for this fifth day of technical visits, the 13th, was 61.476 visitors -- the audience for the mass on Sunday was 40 people, but it is not included in the final result.

Dilvo attributes the event's success to the quality of the innovations presented, the substantial investment by companies in research and development, and also the growing and increasingly necessary search by rural producers for information

and knowledge that can improve the quality of production with lower costs and sustainability.

The next edition already has a date.

“We are all very happy because we have fulfilled the event's purpose, which is to bring the best technical information to rural producers, contributing to accelerating the process of applying new knowledge to the field and optimizing results.”

Overcoming challenges is a constant goal of Show Rural, one of the three largest events of its kind in the world. With the theme "The Strength That Comes From Within," the 38th edition welcomed dozens

of Brazilian delegations and more than 20 international ones. There was also a record number of students from technical schools.

The president of Coopavel also announced the date for the 2027 edition, which will be held from February 1st to 5th. "We hope to see everyone in February of next year for the 39th edition of the Coopavel Rural Show," invites Dilvo.

RETURN TO INDEX

Corteva launches Re-Up nutritional enhancer.

Product with a blend of micronutrients increases tolerance to stress and strengthens physiological barriers.

11.02.2026 | 11:22 (UTC -3)

Cultivar Magazine, based on information from Corteva

Corteva Agriscience has launched Re-Up, a nutritional enhancer for soybeans, corn, and cotton. The solution contains a mix of micronutrients. The company reports an increase of up to 8,3 bushels per hectare in corn in field trials.

According to the company, the formulation combines zinc, manganese, and copper, among other nutrients. These nutrients contribute to lignin production, strengthen antioxidant systems, support protein synthesis and photosynthesis, and help the plant cope with biotic and abiotic stresses.

According to Carlos Landerdahl, marketing director for crop protection and biologicals at the company in Brazil and Paraguay, the solution increases tolerance to water stress, heat, and cold. The plant reacts

more quickly after adverse weather conditions. Proper management can increase productivity and profitability.

Re-Up strengthens physical and biochemical barriers. Physical barriers reduce the incidence of pathogens. Biochemical barriers increase tolerance to adverse soil and climate conditions. The product can be integrated into programs with fungicides, insecticides, and herbicides.

Copper increases resistance to penetration by sucking insects. The nutrient promotes the translocation of photoassimilates. Zinc accelerates the response to abiotic stresses. Manganese increases energy expenditure for disease penetration. The element hinders the entry of pathogens and promotes the translocation of

photoassimilates.

In corn, the product helps the plant overcome the effects of stunting. The disease involves mollicutes transmitted by the corn leafhopper. The problem reduces growth, shortens internodes, and alters leaf color. Ears may have shriveled kernels. Losses can reach 70%. Application should occur before stress occurs and on the aerial part of the plant.

In soybeans, the enhancer provides nutrients that reduce the impact of diseases. The company cites Asian soybean rust, target spot, anthracnose, white mold, and late-season diseases such as cercospora leaf blight and purple blotch.

Field trials

Field trials indicate increased productivity, reports Corteva. In the 2021/22 crop season, research in various regions recorded up to 117 kg/ha of additional soybean yields. Tests in 26 areas showed up to 1,6 sc/ha. Studies with five consulting firms in Tocantins, Mato Grosso, Maranhão, and Goiás, in the 2024/25 crop season, recorded up to 3,2 sc/ha.

In corn, trials conducted with Esalq in Piracicaba in 2023 indicated a 23,8-centimeter increase in plant height. The dry mass of the aerial part grew by 49,5%. The stem diameter increased by 27,3%. Grain production per plant rose by 97,3% when application occurred before inoculation for stunting.

In partnership with the MS Foundation, in Maracaju, during the 2024/25 harvest, the product increased productivity by up to 8,3 sc/ha. The average reached 129,8 sc/ha.

The company states that results depend on climate, soil, management, and market conditions. Use should follow the dosage and application instructions provided. Consultation with an agricultural engineer is recommended to assess compatibility with pesticides and biological products.

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RETURN TO INDEX

Sumitomo Chemical presents new technologies at the Show Rural Coopavel 2026.

The company highlights local research and anticipates strategic launches for agribusiness.

10.02.2026 | 15:04 (UTC -3)

Sumitomo Chemical will be present at the Show Rural Coopavel 2026 with initiatives celebrating 50 years of operation in Brazil and reinforcing its trajectory in research, molecule discovery, and the development of technologies for the national agribusiness sector.

According to Luciano Jaloto, Marketing Director for Sumitomo Chemical in Brazil, participation in the event symbolizes the connection between the company's past, present, and future in the country. He states that the company's history in Brazil reflects a construction based on relationships, innovation, and presence in the field. The executive points to the Show Rural Coopavel as a strategic environment to share this trajectory and present the company's next steps.

For 2026, the company is launching a new concept for corporate trade show structure and communication, which will continue throughout the year. The space guides visitors through the “Sumitomo Chemical Journey: from the present to the future.” The concept brings together history, science, product launches, and networking. The structure includes knowledge areas, an immersive laboratory, the presence of the Latin America Research Center, a time tunnel showcasing milestones of the company's operations in Brazil, and an exclusive bunker for presenting the upcoming Velera and Empera product launches.

Following the Excalia Max fungicide and the ZethaMaxx Evo herbicide, Sumitomo

Chemical is advancing its innovation strategy in the country. The company has a history of pioneering the discovery of molecules such as flumioxazin, pyriproxyfen, and indiflin, as well as BioRational solutions of biological and plant origin. The portfolio supports a robust plan of new active ingredients, modes of action, and strategic combinations. The company projects more than 20 product launches in Brazil by 2028.

Empera herbicide

Among the new products, the Empera herbicide represents a new generation with dual aptitude in controlling broadleaf weeds and grasses. The product offers a more efficient response to recurring

challenges such as goosegrass, crabgrass, amaranth, and buttonweed. The technology delivers unprecedented speed of control and allows planting between zero and five days after application. In Brazil, the product is still in the registration phase.

Velera fungicide

Another highlight is the Velera fungicide, which uses the Pavecto molecule, methyltetraprole, discovered by Sumitomo Chemical. It is the first and only tetrazolinone on the market, belonging to a new chemical class. The product was developed to overcome the G143A genetic mutation, associated with fungal resistance to traditional strobilurins. With a specific

molecular design, it maintains the effectiveness of quinone inhibitors, blocking the cellular respiration of pathogens even in areas with established resistance.

According to Mauro Alberton, Marketing and Innovation Director for Latin America at Sumitomo Chemical, Velera, combined with difenoconazole, expands the options for managing difficult-to-control diseases such as ramularia, target spot, and leaf spots. The technology represents a groundbreaking innovation within QoI fungicides. The product is expected to be available in Brazil for crops such as soybeans, cotton, corn, wheat, barley, beans, peanuts, sorghum, and millet, focusing on the control of leaf spots and end-of-cycle diseases.

In the insecticide segment, the company is reinforcing its Optera Family strategy. This concept brings together solutions for management throughout the entire crop cycle. In addition to OpteraDuo, a foliar insecticide with two complementary modes of action, a rapid knockdown effect, prolonged residual effect, and registration for aerial application, the company is advancing with OpteraSeed. This product, aimed at seed treatment, expands the family's presence at the beginning of the cycle, promoting seedling vigor and more uniform crop establishment. The Optera Family continues to expand with new products planned for 2026, including OpteraEvo, targeted at sugarcane and coffee crops.

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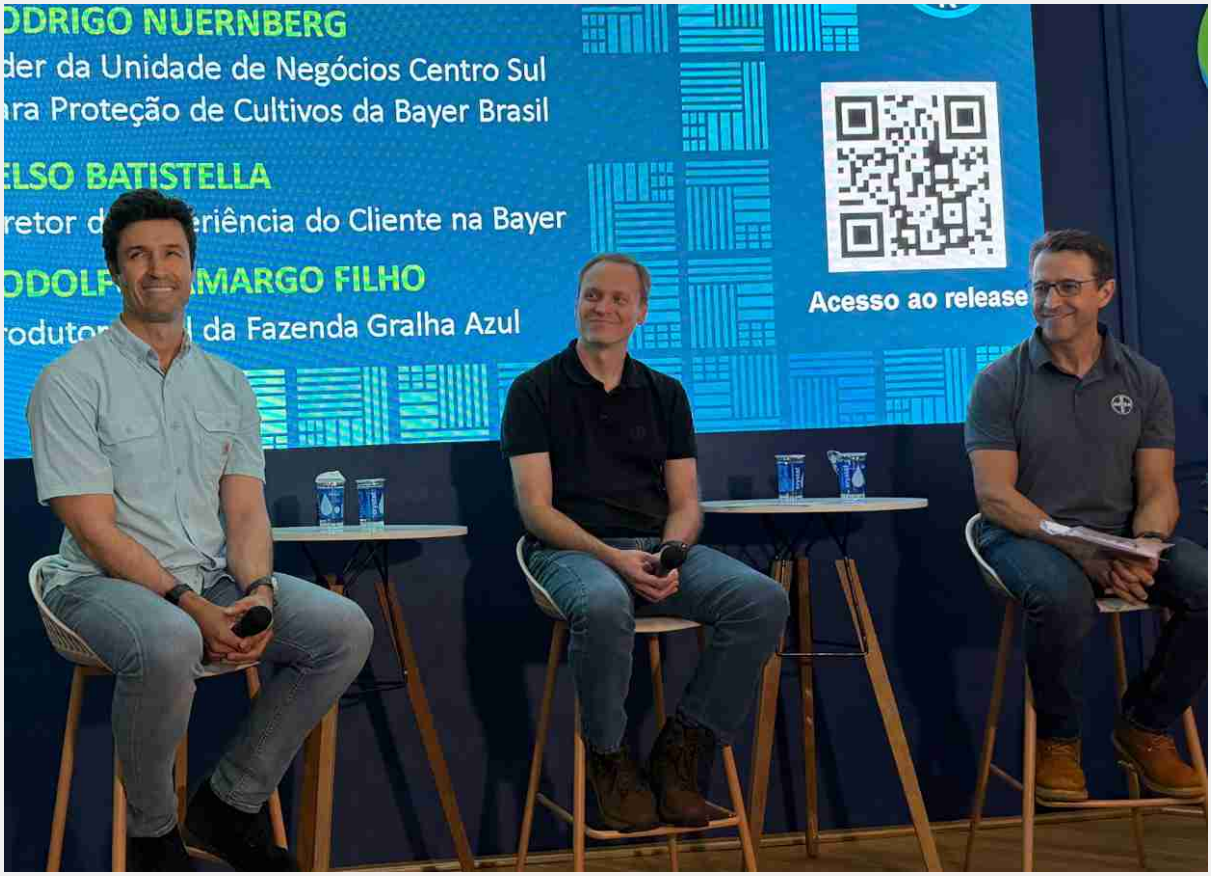
RETURN TO INDEX

Bayer highlights weed management at the Show Rural Coopavel 2026

Company highlights Xtendimax 2 and Convintro Duo for soybeans.

09.02.2026 | 23:26 (UTC -3)

Cultivar Magazine



Bayer presents new crop protection products at Show Rural Coopavel 2026. The company is strengthening its portfolio with pre- and post-emergent herbicides and a new fungicide for managing relevant diseases in the field.

One of the highlights involves Xtendimax 2. The dicamba-based technology reduces the risk of volatility and drift. It is recommended for post-emergence applications in soybean and cotton crops. The product helps control broadleaf weeds such as horseweed and pigweed. Bayer anticipates commercial availability in the 2026/27 growing season.

“This is an important advancement for the crop protection market, as it is a technology that brings even greater levels of safety and reliability to weed

management. Furthermore, it is vital to highlight that, when used according to the label recommendations and good agricultural practices, the product does not pose a risk to neighboring areas or to the treated crop," says Rodrigo Nuernberg of Bayer.

Another product launch involves Convintro Duo. This pre-emergent herbicide combines diflufenicam and metribuzin. The formulation broadens the spectrum of weed control.

In the seeds and biotechnology sector, the company highlights Intacta2 Xtend and the upcoming Intacta 5+. The fair also showcases digital tools such as Climate FieldView and digital and regenerative agriculture programs.

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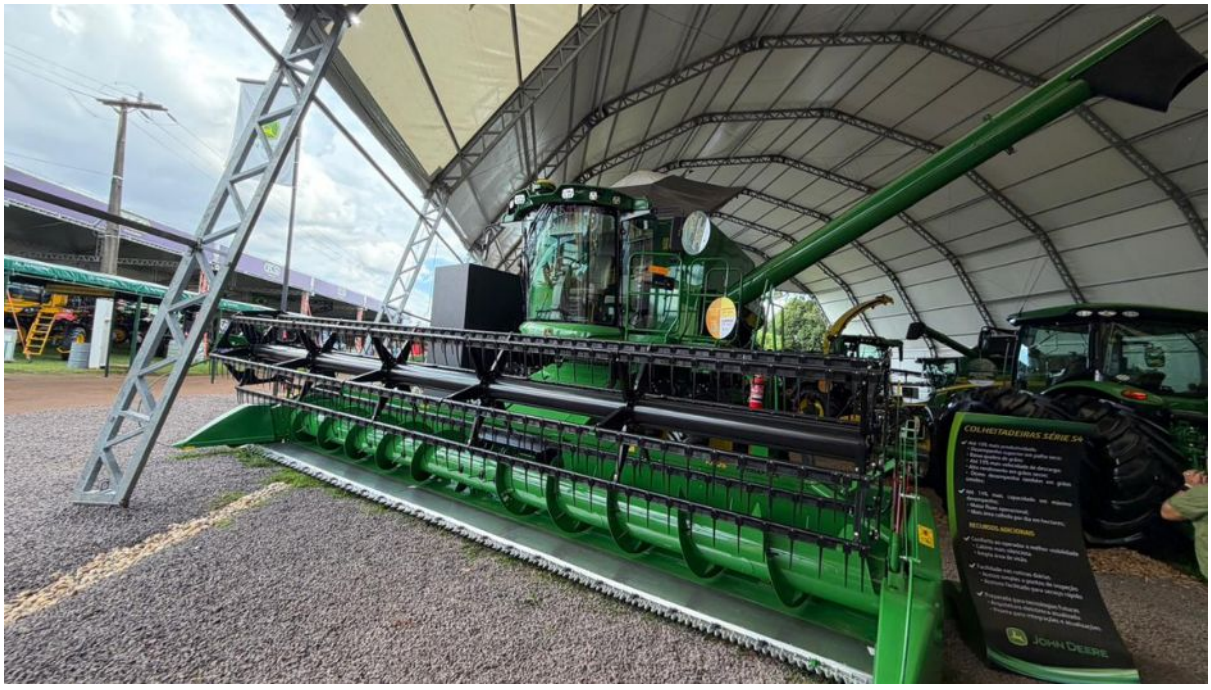
RETURN TO INDEX

John Deere highlights the S4 combine harvester at the Show Rural.

The equipment was developed for properties in the South and areas with limited maneuverability.

09.02.2026 | 13:57 (UTC -3)

Danielle Romanelli, Cultivar Magazine edition



John Deere is bringing to the Show Rural Coopavel 2026 a range of solutions

geared towards the productive characteristics of the Southern region, with a focus on the S4 combine harvester, developed to operate efficiently in smaller areas, rugged terrain, and diversified crops.

According to the company, the S4 was designed to primarily serve small and medium-sized producers, the predominant profile in the South, and includes crops such as soybeans, corn, wheat, rice, oats, barley, and beans. The model is available in S4 300 and S4 400 versions.

“The S4 was born from listening to the needs of producers in the Southern region, who work in more rugged and often sloping areas. The machine combines operational simplicity, technology, and

reduced losses," says Horacio Meza, Sales Director of John Deere Brazil.

Operation on steep terrain and loss reduction

Among the combine harvester's distinguishing features is the Automatic Terrain Adjustment (ATA) system, which improves ground following and helps reduce losses in sloping areas. The machine was also designed to facilitate daily work in the field, with better access for inspections, greater visibility, and electronics prepared for future technologies.

The S4 comes standard with features such as Machine Sync, which allows synchronization between the combine harvester and trailer, autopilot, rear-view camera, and LED lighting for nighttime operations. The cab has received improvements in ergonomics, noise reduction, and digital control layout, aiming for greater operator comfort during long work shifts.

The grain tank features two viewing windows, a level sensor, and a new access structure, making it easier to monitor the operation.

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RETURN TO INDEX

Quarantine pest detected for the first time in São Paulo.

Map confirms outbreak of Amaranthus palmeri and closes off property in the São José do Rio Preto region.

09.02.2026 | 10:43 (UTC -3)

Ministry of Agriculture, Cultivar Magazine edition

The Ministry of Agriculture (Mapa) confirmed the first detection of the invasive plant. *Amaranthus palmeri* The outbreak of

amaranth, known as Palmer amaranth or giant amaranth, in the state of São Paulo, was identified in the São José do Rio Preto region and marks the expansion of the area of ??occurrence of this quarantine pest in Brazil, which until now was restricted to the states of Mato Grosso and Mato Grosso do Sul.

According to the Map, the property where the detection occurred was immediately quarantined. Therefore, the removal of plant material of the species, crop residues, plant cleaning waste and plant products, as well as soil from the affected area, is prohibited.

Harvesting of soybeans grown in the plot where the pest was found will only be authorized after the complete elimination

of the pest plants. *Amaranthus* spp., according to procedures that will be defined by the Agricultural Defense Coordination of the state of São Paulo. In parallel, delimitation surveys have been initiated to identify the extent and scope of the outbreak.

History of the plague in Brazil

Palmer amaranth was first identified in Brazil in 2015, in the state of Mato Grosso, where it is currently officially present in eight municipalities. Years later, a new outbreak was confirmed in Mato Grosso do Sul, now restricted to two municipalities. Its occurrence in São Paulo expands the area

of ??attention for phytosanitary authorities and the productive sector.

Considered one of the most difficult invasive plants to control in the world, this species has biological characteristics that favor its rapid spread and competition with agricultural crops. Furthermore, Palmer amaranth has a history of resistance to herbicides with different mechanisms of action, making its management even more challenging.

The presence of this invasive plant in productive areas represents a significant risk of reduced crop productivity, especially in crops such as soybeans, corn, and cotton.

Risk of dispersal and control measures

According to the Map, the dispersion of *Amaranthus palmeri* It occurs mainly through contaminated agricultural machinery and implements, as well as the mixing of seeds. Therefore, the adoption of rigorous hygiene measures and control over the movement of machinery is considered fundamental to prevent new outbreaks.

In May 2024, the Ministry of Agriculture, Livestock and Supply (MAPA) established the National Program for Prevention and Control of... *Amaranthus palmeri*, through Ordinance SDA/Mapa No. 1.119. The regulation establishes guidelines for the

prevention, early detection, delimitation, and control of the pest throughout the national territory.

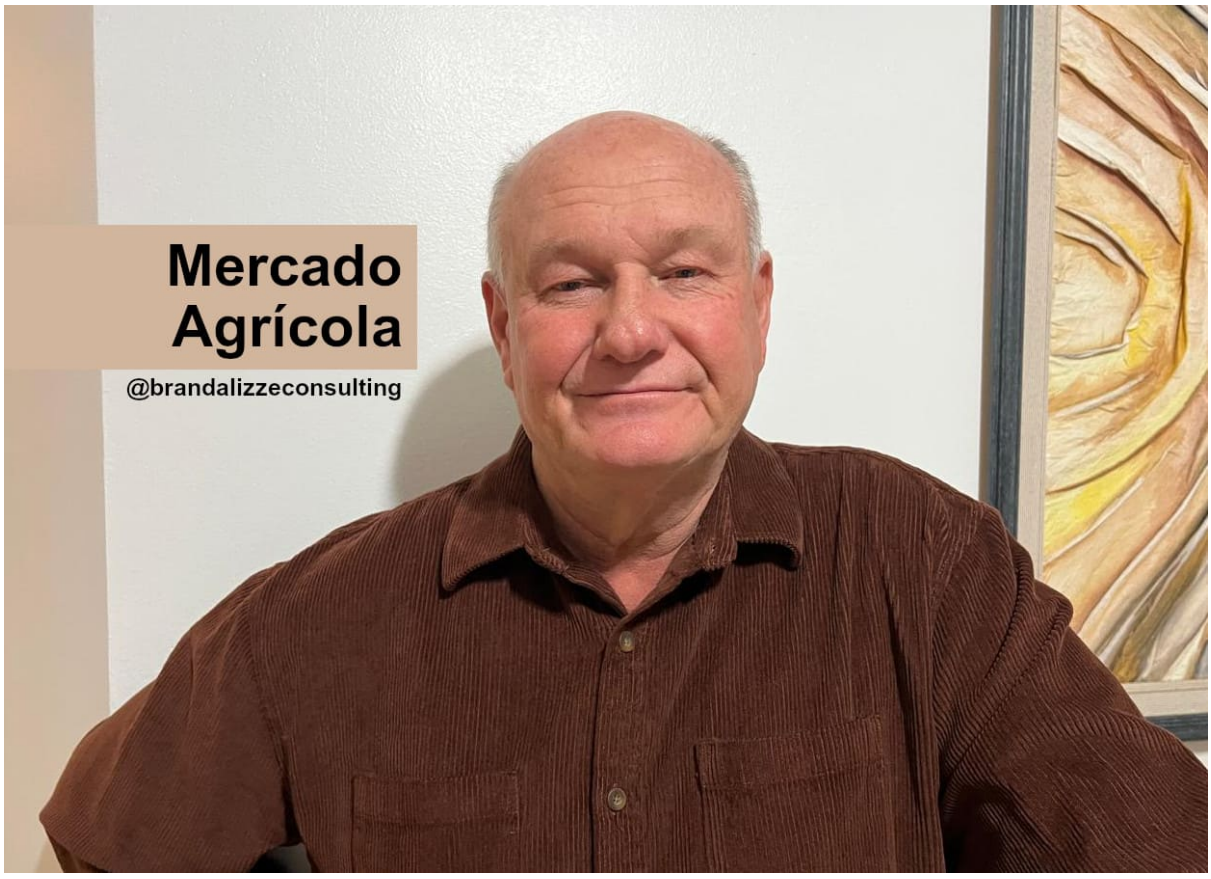
RETURN TO INDEX

Agricultural Market - Feb. 13, 2026

Soybean prices rise in Chicago, supported by derivatives and losses in the Brazilian harvest.

13.02.2026 | 15:59 (UTC -3)

Vlamir Brandalizze - @brandalizzeconsulting



The international soybean market reacted this week. Chicago prices rose again, with contracts exceeding US$11 per bushel.

Meal and oil drove the increase. The harsh winter in the Northern Hemisphere boosted feed and vegetable oil consumption. India entered the oil buying market, supporting soybean derivatives and providing support for the grain.

In Brazil, premiums fell. Prices in reais varied little. Chinese demand weakened during the week. The focus returned to the Brazilian harvest.

Harvesting is progressing despite weather problems. Mato Grosso is facing excessive rain and registering losses. Conab (National Supply Company) reported a reduction of approximately 3 million tons in the state compared to last year. In Rio Grande do Sul, the estimate has fallen to just over 20 million tons. The initial

potential reached 25 million tons. The drought in the South has compromised crops.

Conab indicated a harvest close to 178 million tons. The USDA raised its projection to 180 million in February. The market questioned the number. Private estimates range from 175 to 180 million.

Harvesting has reached 25% of the national area. Mato Grosso leads with approximately 50% harvested. Rondônia reaches 35%. Paraná accounts for 28%. Goiás and Bahia are at 12%. In Rio Grande do Sul, harvesting has not yet gained momentum.

Sales of last year's harvest have reached 96,2% of the harvested volume. This figure remains close to the historical average.

The new harvest has 34,5% already sold, a percentage below last year's and the average. Producers are holding back part of the volume. Debts are due by May and could accelerate sales.

Shipments are progressing. The country has already totaled nearly 4 million tons in February. In the same period last year, the volume reached 3 million. The expectation is to exceed 7 million tons for the month.

Corn situation

Corn follows soybean prices. Chicago sustains gains supported by demand for animal feed. The market is operating under the assumption of global consumption exceeding production. Doubts persist

regarding the second corn crop in Brazil. Part of the planting is occurring at the end of the ideal window.

Conab projected a total corn harvest of 138,4 million tons. This volume is down from 141,2 million tons in the previous cycle. The state-owned company cut 500 tons compared to January. Exports are expected to reach 46,5 million tons. Domestic consumption is projected at 94,5 million tons. The ethanol sector is increasing demand.

The first crop harvest is nearing 30%. Rio Grande do Sul leads with up to 50%. Santa Catarina is at 35%. Paraná has reached 30%. Planting of the second crop has reached 35% of the area. Conab estimates 17,89 million hectares.

Production of the second crop may fall to 109,3 million tons.

Rice situation

Rice prices are holding steady in Rio Grande do Sul. Deals are being made between R$ 53 and R$ 54 on the western border. The market expects shipments exceeding 100 tons in February. The industry is clearing out stocks to make room for the new harvest.

Bean situation

Beans are leading the price increases in the domestic market. Premium carioca beans are exceeding R$ 320 per sack according to sales reports. Commercial

beans are trading between R$ 275 and R$ 295, with orders reaching R$ 300. Black beans range from R$ 175 to R$ 190. Conab has reduced its estimate for the first harvest. The area for the second harvest is shrinking. The market anticipates lower supply until May.

By **Vlamir Brandalizze** - *@brandalizzeconsulting*

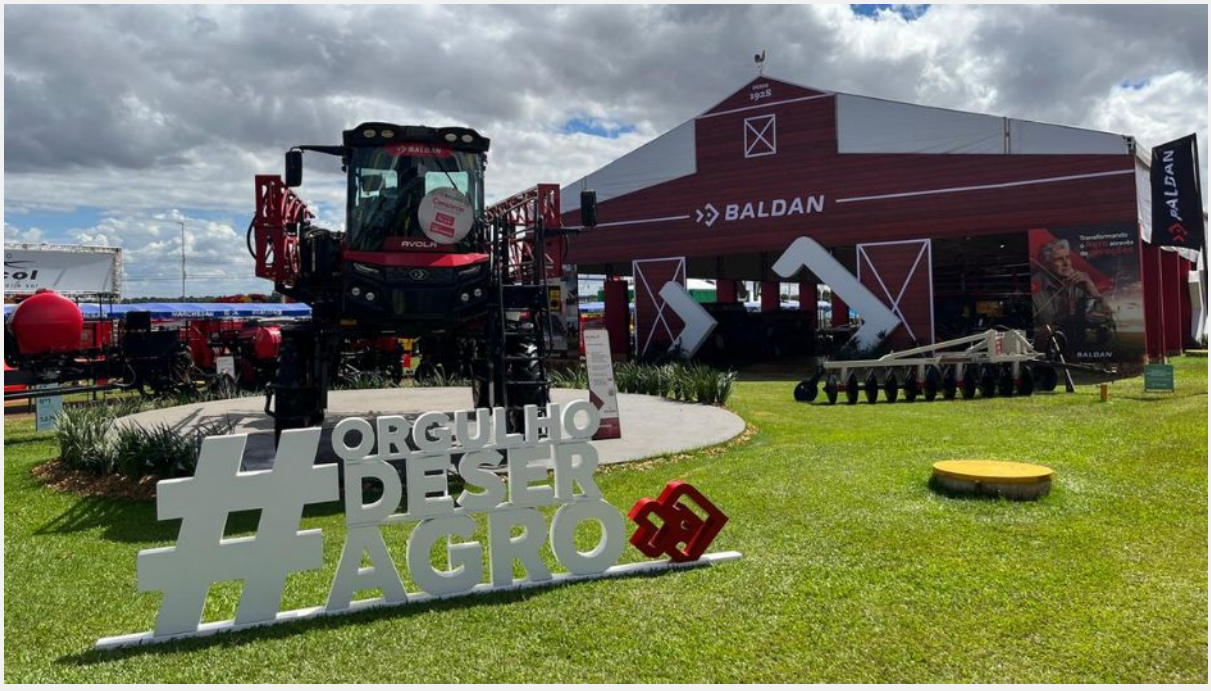
RETURN TO INDEX

Baldan brings credit alternatives to Show Rural 2026

Producers can find barter agreements, consortiums, and financing through the Plano Safra program, in addition to extra incentives for purchases.

12.02.2026 | 17:08 (UTC -3)

Mariana Moraes Spelled



Baldan is participating in the 38th edition of the Show Rural Coopavel 2026 with a complete portfolio of financial solutions

aimed at facilitating rural producers' access to technology, modernization, and production expansion. During the fair, the company will present options such as barter and consortium financing, and will also offer all available lines of credit from the 2025/2026 Harvest Plan, including those for family farming.

As an added incentive, producers who purchase Baldan machines during the event will receive a 5% discount voucher for tool purchases from Milwaukee, Baldan's official after-sales partner, expanding the advantages of the deal and strengthening the brand's partner ecosystem.

Among the available alternatives, barter, in partnership with Grão Direto, a digital trading platform that connects grain buyers

and sellers, stands out for allowing producers to acquire Baldan products by paying with their production. Consortium financing, in turn, emerges as a planned and interest-free option, ideal for producers seeking financial predictability and organization in the medium and long term. There is also availability of financing up to 100% for Baldan machinery and implements through the lines of the 2025/2026 Harvest Plan, including the National Program for Strengthening Family Farming (Pronaf).

According to Robson Zofoli, commercial director of Baldan, the expectation for participation in the fair is quite positive. “Show Rural Coopavel is one of the main showcases of Brazilian agribusiness and a strategic space to strengthen relationships

with producers, partners, and cooperatives. Our goal is to present solutions that make sense for the producer and support safer and more efficient investment decisions," he states.

The executive also highlights the unique conditions offered during the event. "In addition to the technology embedded in our equipment, we bring to the fair financial solutions designed to support the producer's planning and make the investment more viable," he adds.

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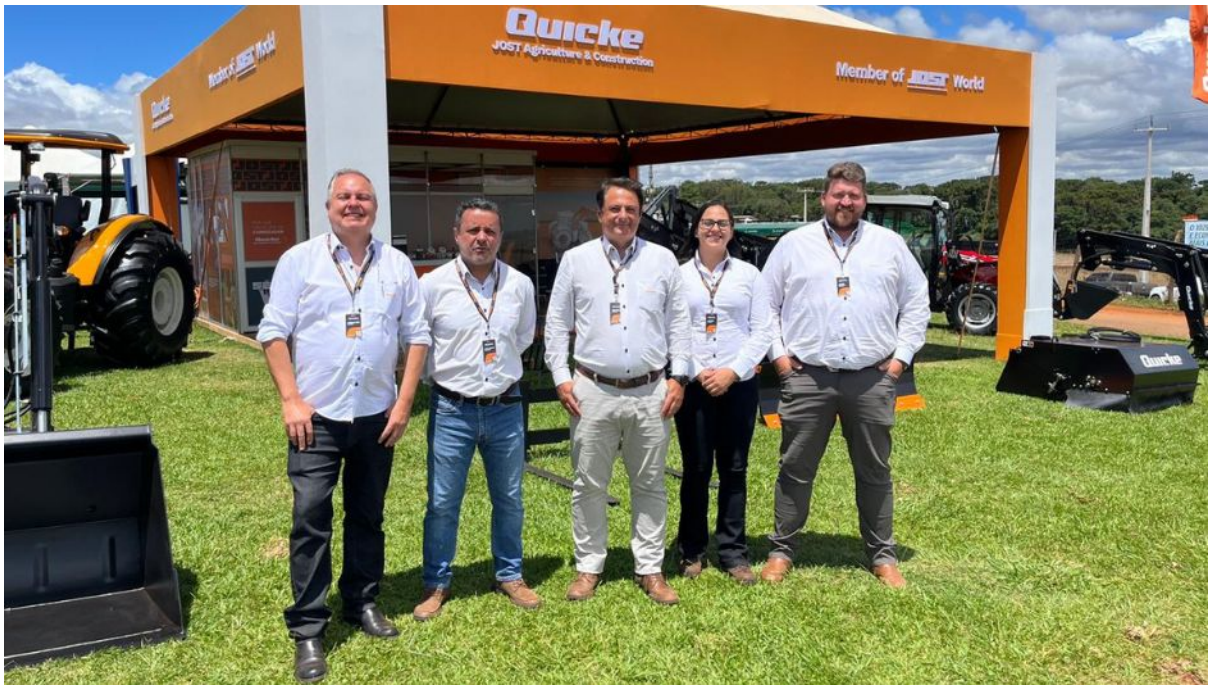
RETURN TO INDEX

Quicke Brasil presents Series V at Show Rural 2026

Manufactured in Brazil, the equipment focuses on stability and load capacity.

12.02.2026 | 15:58 (UTC -3)

Cultivar Magazine, based on information from Quicke



Quicke Brasil is participating in the Show Rural Coopavel 2026 in Cascavel (PR), focusing on presenting the V Series of front loaders and agricultural implements.

The product line, already sold in other markets, will be highlighted to the Brazilian public during the event.

The company, which originated in Sweden and has been operating in the sector for 75 years, produces the equipment in Brazil using technology developed by its European parent company. According to the company, the loaders are designed for operations such as handling silage, big bags, supplies, and bales, among other activities common on rural properties.

According to the manufacturer, the V Series was developed with a focus on operational stability, load distribution, and lifting capacity, characteristics that directly impact work efficiency in the field.

During the fair, visitors can check out different configurations of loaders and implements compatible with tractors of various power ratings. The company also highlights its technical support and service network throughout the country.

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RETURN TO INDEX

Embrapa highlights low-carbon soybeans at the Show Rural Coopavel.

Crop diversification and soil management reduce emissions and increase the sustainability of the production system.

12.02.2026 | 10:54 (UTC -3)

Cultivar Magazine, based on information from Lebna Landgraf

Embrapa highlights the importance of good agricultural practices in reducing greenhouse gas emissions in soybean production during the Show Rural Coopavel, which takes place in Cascavel. The institution replicates part of the model adopted in the Embrapa Soja Low Carbon Soybean Showcase.

The model takes advantage of the off-season to diversify the system with plants such as brachiaria and crotalaria. Soybeans are then planted in areas that have received crops capable of forming mulch and improving the physical, chemical, and biological quality of the soil. This process occurs through the input of carbon and, in the case of crotalaria, also nitrogen.

Researcher Marco Antonio Nogueira explains that carbon and nitrogen make up the organic matter in the soil. According to him, mulch protects the soil against the impact of rain. The practice reduces water loss through evaporation. The cover maintains milder temperatures. The system increases water infiltration. Mulch also helps control weeds. The material adds carbon to the system through aboveground biomass and roots.

Soil structuring

Nogueira states that roots play a central role in structuring the soil. They open pores, facilitating the entry of water and air. They serve as a food source for microorganisms. This process improves

the biological quality of the soil.

In the production system, roots take center stage. Crop diversification alters how roots occupy the soil. This process improves porosity, increasing permeability and enhancing soil infiltration and water storage capacity.

Part of the carbon incorporated by plants remains stabilized in the soil in the form of organic matter. This accumulation contributes to a more favorable carbon balance over time. Although some carbon returns to the atmosphere, well-managed systems retain a larger fraction in the soil. In the long term, this retention reduces net emissions and increases the sustainability of soybean production.

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RETURN TO INDEX

LongPing announces new Sales and Marketing Director.

Gustavo Ortiz takes on the role with a focus on the growth of the Morgan, Forseed, and Tevo brands, which operate in three countries.

12.02.2026 | 10:36 (UTC -3)

Cristian Buono, edition of Cultivar Magazine

LongPing High-Tech announces Gustavo Ortiz (pictured) as its new National Sales and Marketing Director. The executive,

who previously served as Sales Director for the North and South Central regions of Paraguay and Argentina, takes on this new role to integrate commercial strategy, portfolio positioning, and market execution.

“Taking on the marketing role is a source of great pride for me. It’s the result of all the learning, collective building, and trust I’ve been gaining at LongPing High-Tech. Now, I hope to contribute to the growth of the Company and its brands Morgan, Forseed, and Tevo,” says Ortiz.

This move is part of an ongoing process to evolve LongPing High-Tech's organizational structure, conducted over the past year and aligned with guidelines for sustainable growth, business longevity, and shareholder expectations. For this

new cycle, the company is advancing in strengthening the integration between strategic areas, seeking greater synergy, operational efficiency, and an increasingly results-oriented approach focused on the long term.

Ortiz is an agricultural engineer graduated from the State University of Northern Paraná. He holds a postgraduate degree in cooperative and agribusiness management from the Educational Foundation of the Municipality of Assis (SP).

He has 20 years of experience in the agricultural sector, accumulating experience in commercial areas focused on the market and product development. He has worked at companies such as Dow AgroSciences. At LongPing, he built his

career through the positions of product development manager, sales manager and leader until becoming sales director.

RETURN TO INDEX

Silencing the Akt gene compromises the molting of the tomato leafminer.

Study identifies TaAkt as a central regulator of 20E, juvenile hormone, and vitellogenesis in Tuta absoluta.

12.02.2026 | 10:31 (UTC -3)

Cultivar Magazine

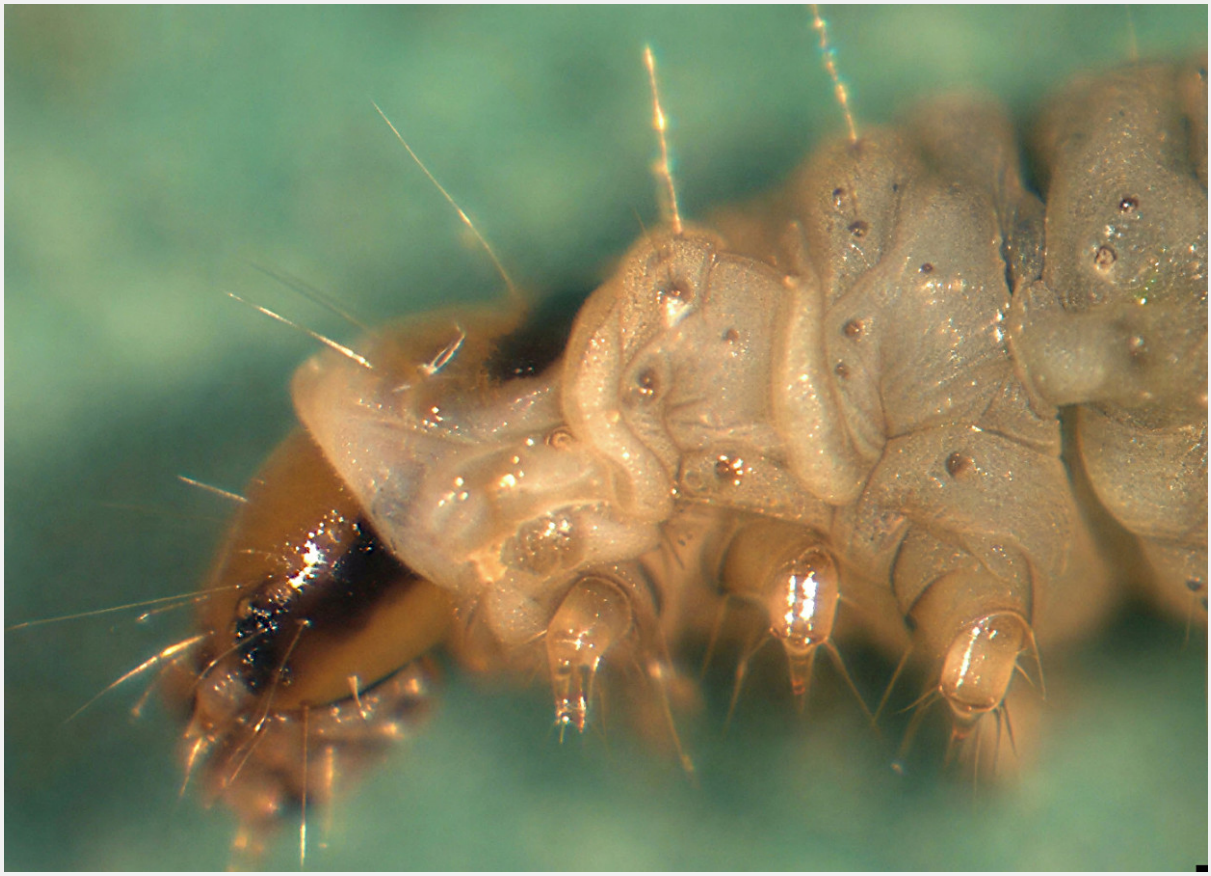


Photo: Marja van der Straten - NVWA

Akt gene silencing in *Tuta absoluta* It reduces adult emergence, lowers hormone levels, and impairs reproduction. RNAi blocking decreased the molting rate, affected chitin metabolism, reduced juvenile hormone and vitellogenin, and halved egg laying and hatching. The data indicate TaAkt as a strategic target for pest management through RNA interference.

This study characterized the TaAkt gene, which encodes a serine/threonine kinase with 512 amino acids. The protein contains conserved domains of the PKB/Akt family. Phylogenetic analysis grouped TaAkt with orthologs of lepidopterans. Expression occurred at all stages. The peak appeared in fourth-instar larvae, first-day pupae, and newly emerged adults. Wings and head

showed higher tissue expression.

Gene transcription

Injection of dsTaAkt into female pupae reduced gene transcription by 81% to 93% within 72 hours. Only 58% of treated pupae completed the pupa-to-adult transition, compared to 98% in the dsGFP control. Some pupae died before molting. Another fraction began molting but did not complete the process.

Silencing reduced 20-hydroxyecdysone titers by 58%. Genes involved in the ecdysteroid biosynthetic pathway and 20E signaling showed a strong reduction in expression. Chitin content decreased by 37%. Genes linked to cuticle remodeling,

such as TaCDA1, TaCHT5, and TaCHS, showed reduced transcription. These results connect TaAkt to the control of molting and cuticle formation.

Impact on reproduction

The impact extended to reproduction. Females originating from treated pupae exhibited smaller ovaries. The length of the ovarioles decreased by 48%. The size of the oocytes reduced by 43%. The oviposition period shortened from 10,45 to 6,70 days. The average clutch size dropped from 157,3 to 66,4 eggs per female. The hatching rate plummeted from 86% to 46%.

The juvenile hormone titer decreased by 25% after silencing. Genes in the JH synthesis and signaling pathway, such as TaJHAMT, TaMet, and TaKr-h1, showed reduced expression. Vitellogenin content fell by 28%. TaVg and TaVgR transcripts also decreased.

The authors conclude that TaAkt integrates nutritional signaling, 20E production, chitin metabolism, JH synthesis, and vitellogenesis. Simultaneously blocking molting and fertility enhances the gene's potential as a molecular target. This strategy could reduce the survival and fecundity of the tomato leafminer.

More information at doi.org/10.3390/insects17020183

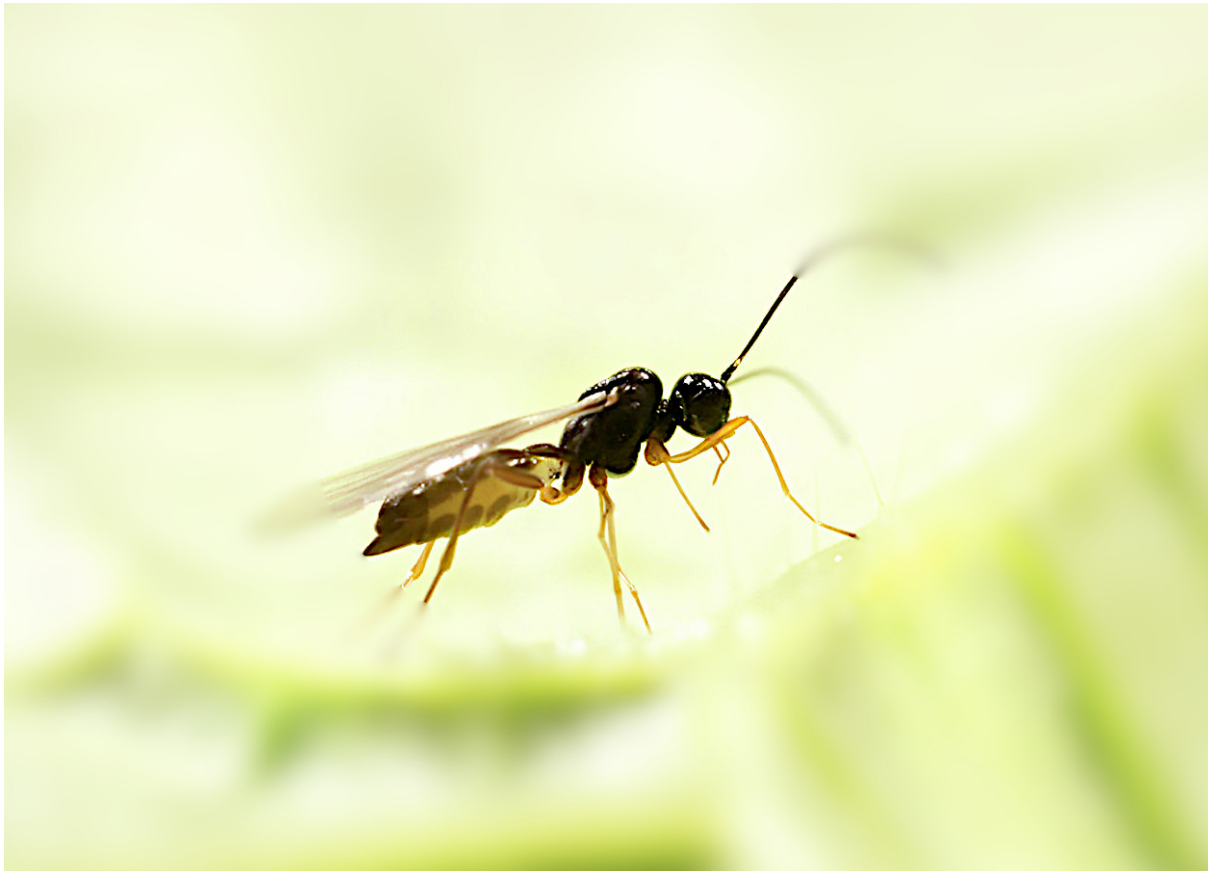
RETURN TO INDEX

The parasitoid Praon volucre exhibits a leftward bias in mating.

Study shows that lateralization accelerates copulation and increases reproductive success.

12.02.2026 | 10:31 (UTC -3)

Cultivar Magazine



Male parasitoids *Praon volucre* Females are preferentially mounted from the left

side. This bias reduces courtship time and increases copulation success. The origin of the host does not significantly alter reproductive performance. The data indicate behavioral stability relevant to biological control programs.

The study evaluated adult virgins of *Praon volucre* emerged from two aphids: *Macrosiphum euphorbiae*On *Citrus aurantium*, and *Aulacorthum solani*On *mallow neglected*The researchers observed 44 couples from *M. euphorbiae* and 47 of *A.solani*The analyses were conducted under controlled conditions. The team recorded the time of female detection, wingbeat, pursuit, mating attempt, antennal touches, and duration of mating.

Left bias

Among the males originating from *Macrosiphum euphorbiae*Of those surveyed, 54,6% mounted on the left side. These individuals detected females in 13,1 seconds. Males with right-sided mounting took 20,3 seconds. Left bias also reduced antennal touch time and copulation duration. Copulation lasted 61,1 seconds in left-biased males and 69,8 seconds in right-biased males.

In individuals that emerged from *Aulacorthum solani*51,1% mounted from the left side. The detection time dropped to 12,3 seconds in this group, compared to 20,8 seconds in males with a right bias. The other stages did not show a statistical

difference, although males with a left bias performed most of the phases in less time.

Mating success also favored the left side. Males with left-sided mounting achieved a higher proportion of successful copulations in both populations. Lateralization did not significantly alter the overall success rate when considered in isolation, but the pattern favored left-side bias.

Statistical differences

The comparison between parasitoids originating from the two hosts did not show statistical differences in the duration of the mating stages. Males emerging from *Macrosiphum euphorbiae* They detected females slightly faster and executed wing

flapping and pursuit in less time. Males, on the other hand, *Aulacorthum solani* They exhibited shorter times in antennal touches, copulation attempts, and copulation duration. The differences did not reach statistical significance.

The authors describe the mating sequence as structured and similar to that observed in other Braconidae. The pattern includes female detection, wing beating, pursuit, mounting, antennal touches, and copulation. The shortening of these steps increases reproductive efficiency, a critical factor for short-lived parasitoid hymenopterans.

The results indicate that *Praon volucre* The aphid maintains a stable mating system even after development on different hosts.

This finding favors mass rearing strategies. Changing aphid species during laboratory multiplication does not compromise reproductive performance after field release. The leftward behavioral bias emerges as a species characteristic and may contribute to greater population efficiency in biological control programs.

Further information at doi.org/10.3390/insects17020192

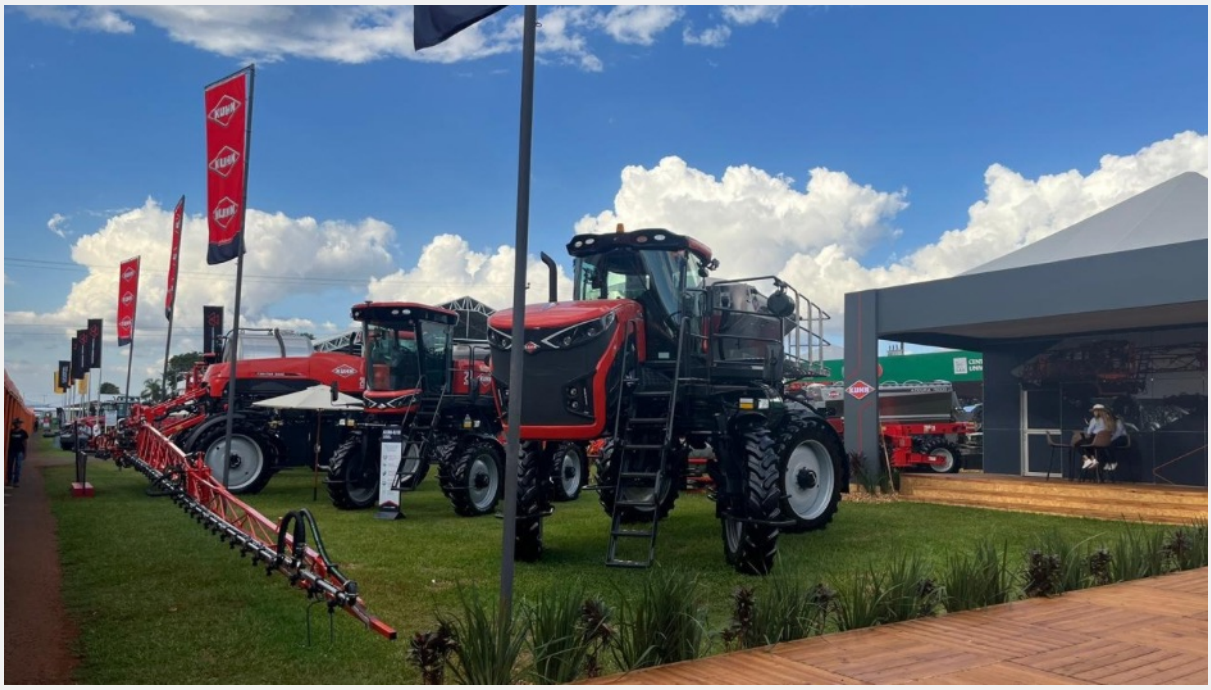
RETURN TO INDEX

Kuhn launches Arbo 400 sprayer at Show Rural Coopavel 2026

The model is featured in the opening of the national agricultural calendar.

12.02.2026 | 09:34 (UTC -3)

Tatiane Mizetti, Cultivar Magazine edition



Kuhn do Brasil is present at the 38th edition of Show Rural Coopavel. As the opening event of the national agricultural calendar, the fair is the stage chosen by

the brand to present technologies that promise to transform the operational efficiency and profitability of Brazilian producers. The highlight is the launch of the Arbo 400 sprayer, which is on public display for the first time.

With a focus on precision, robustness, and cost reduction, Kuhn is also showcasing at its booth the Airspray technology, the 4-Wheel Turn steering system for the Stronger and Accura lines, and the high productivity of the GMD 8730 triple mower.

“At the Show Rural Coopavel, the market gains a clearer view of the pace that should mark the rest of the year, especially in the first half. This event will also be the stage for the debut of the Arbo 400,

previously presented at our exclusive meeting for partners and collaborators at the end of the year, in addition to the GMD 8730 triple mower, which completes our range, demonstrating our strength in the haymaking line," highlights Lucas Moraes Castro, Marketing and Network Development Manager.

The presence at Show Rural Coopavel 2026 also marks the launch of Kuhn do Brasil's campaign for this year, with the message "Strength that remains across generations." The purpose is to value the trust built between the brand and the producers, with a vision of considering the roots without losing sight of the future.

Arbo 400

The standout product for small and medium-sized producers seeking to transform efficiency into profitability is the new Arbo 400. Developed to offer precise and safe application, the equipment combines a modern design with the robustness needed for the most challenging field conditions.

The Arbo 400 was designed to ensure maximum uniformity in applications, reducing waste and increasing the utilization of inputs. The model arrives on the market as an investment alternative focused on efficiency and consistent results throughout the growing seasons, assisting producers seeking to increase the quality standard of their properties.

Airspray System

Kuhn raises the bar for its Boxer, Fighter, and Stronger HD self-propelled sprayers with the Airspray system. This technology utilizes an electro-pneumatic control system to manage multiple sections with instant response.

The key difference is the continuous recirculation, which keeps the tail in constant motion even with the nozzles off, ensuring a uniform dose across the entire area and superior circuit cleaning, preventing sediment and blockages.

Spin on all four wheels

Kuhn do Brasil's booth at Show Rural Coopavel also features the Stronger HD sprayer and the Accura 8.0 HD distributor equipped with 4-Wheel Steering technology. This system redefines agility in the field, allowing for up to 35% more precise maneuvers and a reduced turning radius.

The model includes benefits such as up to 40% reduction in crop damage, maneuvers up to 2,5 times faster than conventional systems, and the "Crab Mode," which keeps the machine aligned on lateral slopes, ensuring stability on complex terrain and reducing soil compaction.

GMD 8730 Triple Mower

Specifically aimed at livestock farmers, Kuhn also presents the GMD 8730, a triple rear disc mower, known as the "butterfly model". With a cutting width of up to 8,80 meters when combined with the front model, the equipment is designed for high productivity, featuring an Optidisc Elite cutter bar that eliminates the need for oil changes, and Lift-Control hydropneumatic suspension, which allows adaptation to uneven ground and protection against obstacles.

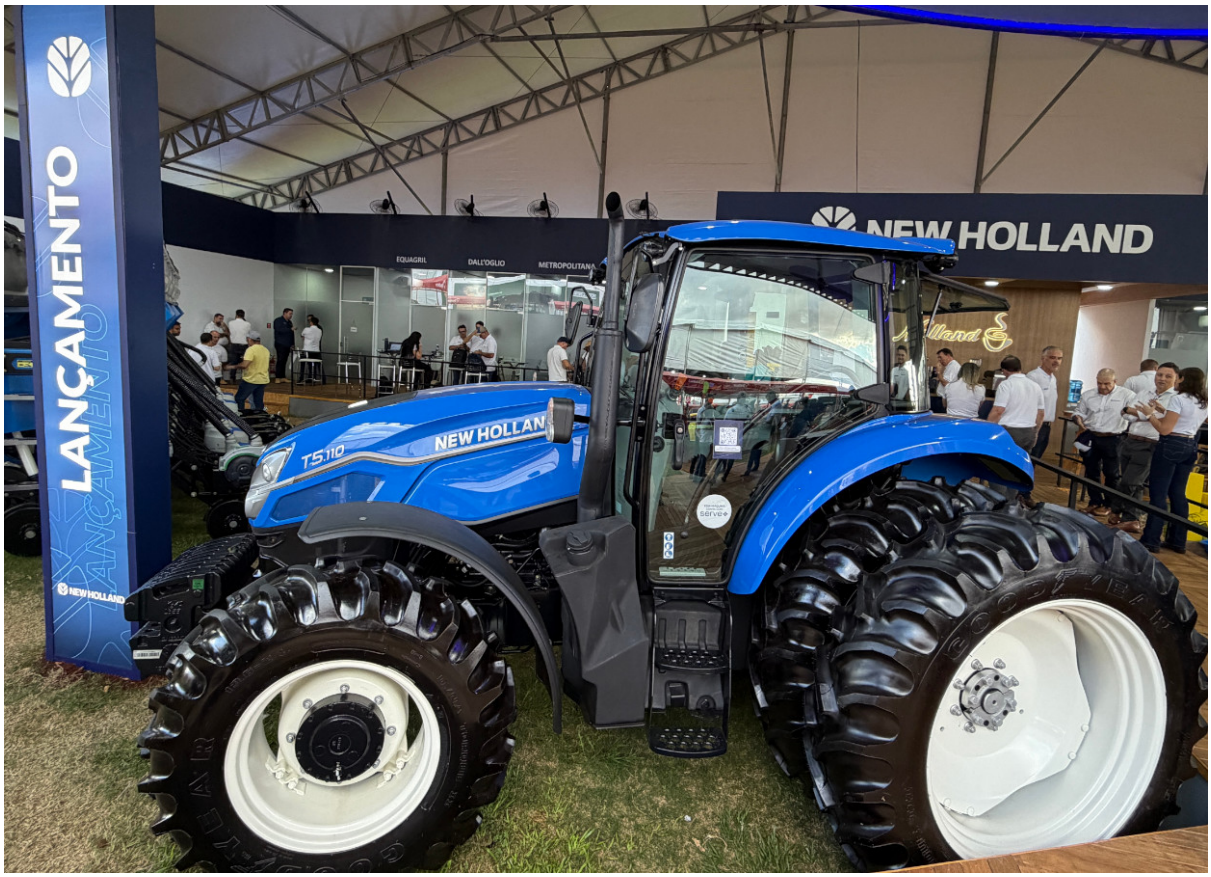
RETURN TO INDEX

New Holland bets on the T5 family at Show Rural 2026

The T5.100 and T5.110 models combine versatile transmissions and onboard connectivity.

11.02.2026 | 16:35 (UTC -3)

Cultivar Magazine, based on information from João Maroni



New Holland Agriculture is bringing a strategy focused on versatility to the Show Rural Coopavel 2026. One of the brand's focuses is on the tractors of the new T5 family, designed to meet the needs of different types of producers, from small to large, from soil preparation to harvest.

The product line presented consists of the T5.100 and T5.110 models. These machines have 100 and 110 horsepower, respectively. The goal is to deliver more power and efficiency with operational comfort.

Power and reliability

At the heart of the tractors is the FPT S8000 engine. It aims to guarantee consistent performance in different field

conditions, whether in light operations or more demanding tasks.

The cabin was designed with 360-degree vision. The goal is to increase visibility and reduce blind spots. The operator gains in safety. They gain in precision. And they maintain productivity throughout the workday.

Transmission and operational versatility

One of the technical highlights of the T5 family is its transmission options.

The producer can choose between the 24x24 ePower Shuttle HiLo or the 40x40 with super reduction gear. Both allow for smoother gear changes and fine-tuned

speed adjustment according to the operation. This flexibility is crucial in activities such as planting and spraying. It also makes a difference in transport and maneuvering in smaller areas.

The goal is to offer control and efficiency in the use of available power.

Connectivity in the field

The tractors feature onboard telemetry. This feature enhances fleet management and allows for remote performance monitoring. In a digital agriculture scenario, real-time monitoring becomes a strategic tool. It reduces unplanned downtime, optimizes maintenance, and contributes to faster decision-making.

As optional features, the models offer flanged and through-axles. This configuration expands the possibilities for attaching implements and facilitates adaptations according to the activity.

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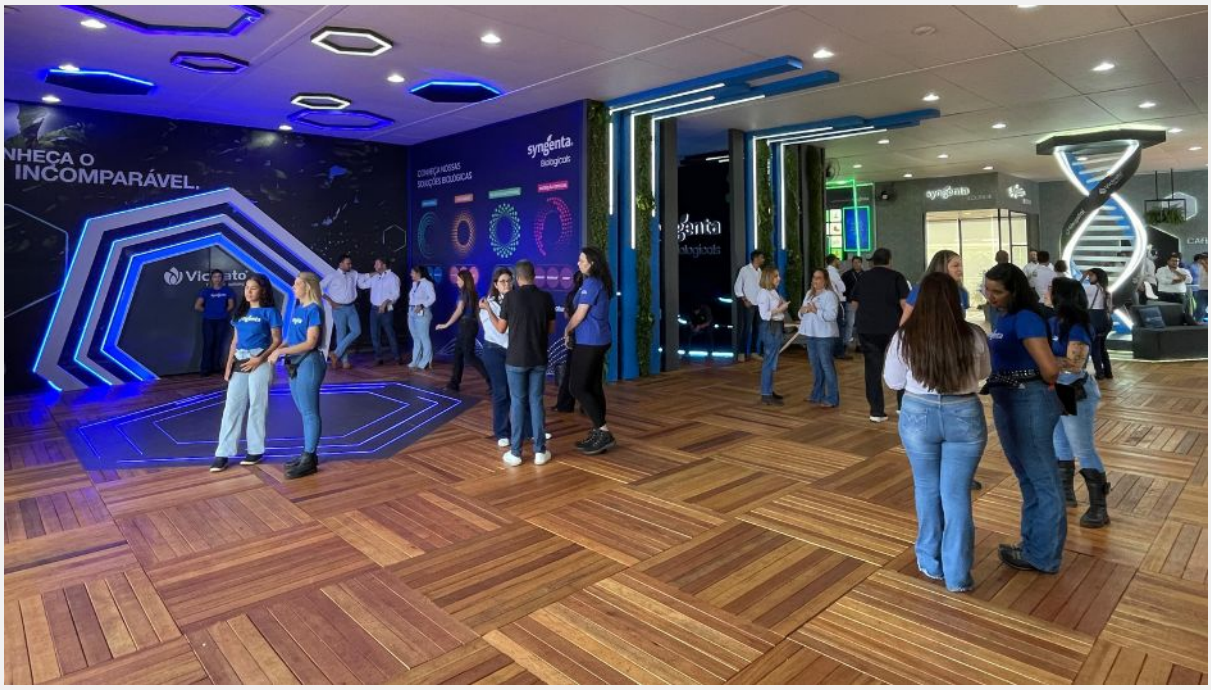
RETURN TO INDEX

Syngenta molecule enhances nematode control.

Tymirium technology is presented by the company at Show Rural 2026.

11.02.2026 | 14:25 (UTC -3)

Tarcila Galdino, Cultivar Magazine edition



Syngenta chose the Show Rural Coopavel 2026 to present Victrato, a seed treatment formulated with..., to the Brazilian market. Tymirium technology, a molecule

developed for the control of nematodes and early crop diseases.

Nematodes are considered one of the main invisible threats to agricultural production. According to a survey conducted by Syngenta in partnership with Agroconsult and the Brazilian Society of Nematology, these parasites are present in more than 90% of soil samples collected in Brazil and can reduce crop productivity by up to 25%. The estimated financial impact reaches US$150 billion per year. In soybeans alone, losses can reach R$27,7 billion annually.

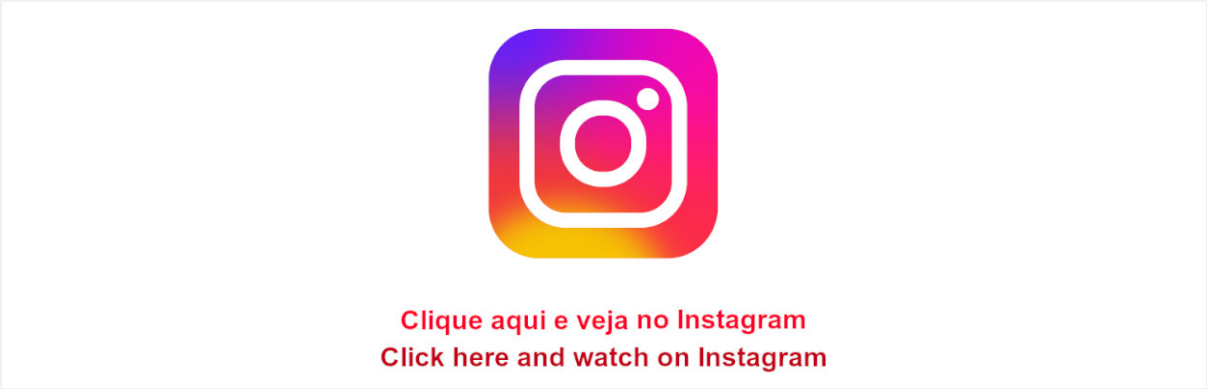
According to the company, the technology offers control of all nematode species in soybeans, corn, cotton, and other crops, as well as acting on soil-transmitted

diseases, such as... *Fusarium* spp., *Macrophomina* spp. And *sclerotinia* spp. The product also shows effectiveness in managing early-stage foliar diseases.

“The commercial launch of Victrato reinforces Syngenta’s commitment to innovation. We believe that the arrival of Tymirium marks a new phase in nematode management in Brazil,” says André Savino, president of Syngenta Crop Protection in Brazil.

During the trade show, held from February 9th to 13th in Cascavel (PR), the company is promoting an immersive experience to showcase its technology to visitors. The booth revisits the concept of the "Botina no Campo" campaign, which highlights the company's close relationship with rural

producers.



Portfolio includes biologicals and crop protection.

In addition to the launch, Syngenta is reinforcing its portfolio of biological products at the event, highlighting the bioactivator Megafol, aimed at mitigating stresses such as water deficit and high temperatures, Yieldon, focused on increasing productivity, and the microbiological fungicide Reverb, indicated for the management of soybean diseases.

In the crop protection line, the company presents strategic solutions for the soybean cycle, such as the fungicides Alade, Miravis PRO and Seeker, in addition to the insecticide Verdavis, formulated with Plinazolin technology, indicated for the management of difficult-to-control pests within IPM (Integrated Pest Management).

New corn hybrids and soybean varieties

Syngenta Seeds is also participating in the Show Rural with new corn and soybean varieties. Among the corn hybrids, highlights include NK501 VIP3, NK401 VIP3, and the newly released NK490 VIP3. Nidera's new offerings include NS66 VIP3

and the very early-maturing NS22PRO4.

In soybeans, brands are introducing new cultivars focused on high yield potential, stability, and regional adaptation, such as NS5624I2X and materials from Golden Harvest, expanding the portfolio for different production environments.

Visitors can also explore the Seed Comparator, a digital tool that helps in choosing cultivars according to the profile of each region.

RETURN TO INDEX

Yara increases profit in 2025

Deliveries grow 4% year-on-year; company reduces debt.

11.02.2026 | 11:07 (UTC -3)

Cultivar Magazine

Yara ended 2025 with EBITDA excluding special items of US$2,803 billion. This result exceeded the 2024 performance by

37%. The company increased margins in nitrogen products, raised volumes, and reduced fixed costs throughout the year.

Revenue and other income totaled $15,715 billion in 2025, compared to $13,934 billion in the previous year. Net income reached $1,372 billion, compared to $15 million in 2024.

The total volume delivered reached 32,061 million tons, a 4% increase over 2024. Fertilizer sales totaled 23,758 million tons, compared to 22,781 million in the previous year.

Total ammonia production reached 7,073 million tons. Production of finished fertilizers and industrial products, excluding bulk blends, reached 19,978 million tons.

Operating cash flow totaled US$1,894 billion in 2025, an increase of US$608 million compared to 2024. The company reduced investments in fixed assets during the period.

The net debt to adjusted EBITDA ratio for the last 12 months fell to 1,17. The net debt to equity ratio decreased to 0,37. The company proposed an annual dividend of NOK 22 per share.

Management is planning a new phase of the improvement program. The goal is to achieve an incremental gain of US$200 million in EBITDA by 2027 and an additional US$150 million by 2030.

Full year condensed statement of income

MUSD	2025	2024	Variance
Revenue and other income	15 715	13 934	1 781
Raw materials, energy costs and freight expenses	(11 285)	(10 200)	(1 085)
Change in inventories of own products	77	70	7
Payroll and related costs	(1 418)	(1 543)	125
Depreciation and amortization	(1 084)	(1 047)	(37)
Impairment loss	(16)	(82)	66
Expected and realized credit loss on trade receivables	(5)	(9)	4
Other operating costs and expenses	(413)	(437)	24
Operating costs and expenses	(14 143)	(13 248)	(895)
Operating income	1 571	686	886
Share of net income/(loss) in equity-accounted investees	17	19	(1)
Interest income and other financial income	66	55	10
Foreign currency exchange gain/(loss)	383	(321)	704
Interest expense and other financial items	(259)	(259)	(1)
Income before tax	1 778	180	1 598
Income tax expense	(406)	(165)	(241)
Net income/(loss)	1 372	15	1 356
Basic earnings per share (USD/share)	5.37	0.05	
Weighted average number of shares outstanding	254 725 627	254 725 627	

1) Before tax

Comments

- Higher revenues and variable costs reflect higher prices for both finished products and raw materials
- Lower payroll cost driven by cost reduction program
- Currency gain mainly reflects gain on US dollar denominate debt positions and gain on internal positions in other currencies than USD
- Effective tax rate for 2025 is 22.8%
- Net income in 2024 negatively impacted by mainly non-cash special items and a currency translation loss, totaling to appx. 565 MUSD

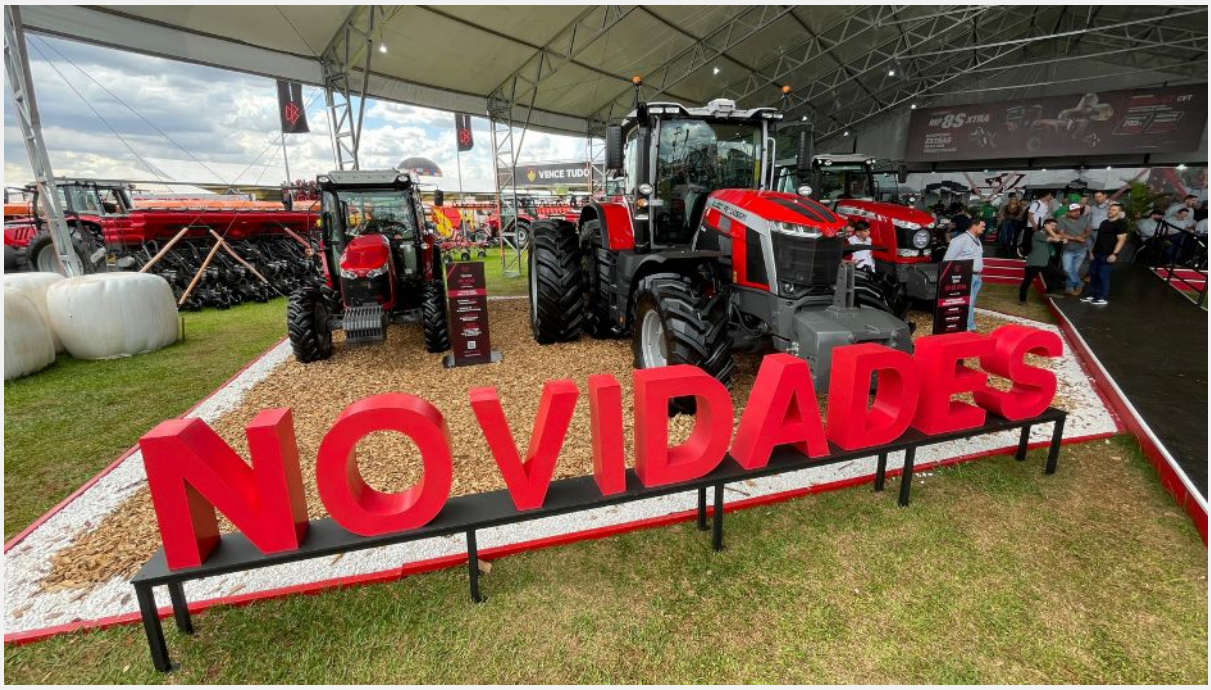
RETURN TO INDEX

Massey Ferguson presents new tractors at Show Rural 2026.

Among the highlights are the MF 8S Xtra tractor and the base versions of the MF 4700 and MF 7718 tractors.

11.02.2026 | 10:33 (UTC -3)

Flavia Amarante



Massey Ferguson is present at the Show Rural Coopavel showcasing new additions to its tractor portfolio, reinforcing its

strategy of offering solutions aligned with the diverse realities of rural producers. Highlights of the fair include the launch of the MF 8S Xtra tractor, featuring advancements in operational efficiency and precision agriculture, new versions of the MF 4700 tractors, and the new model in the MF 7700 Dyna 6 series, the MF 7718, developed with a focus on robustness, simplicity, and cost-effectiveness.

“The Show Rural Coopavel is a strategic event to present solutions that arise from actively listening to the producer. Our portfolio evolves to meet the needs of producers seeking reliable, simple, and efficient machines for daily use,” highlights Lucas Zanetti, Product Marketing Manager

at Massey Ferguson.

MF 8S Xtra

The main launch of the brand at the fair, the MF 8S Xtra tractor arrives on the market as an evolution of the acclaimed MF 8S series, incorporating new design and technologies that increase the machine's availability in the field, operator comfort, and the sustainability of operations.

Among the main differentiating features is the reversible propeller, which allows for automatic cleaning with direct activation from the cab, reducing the accumulation of impurities on the hood and contributing to better thermal performance of the engine, especially in grain harvesting operations.

Another highlight is the new design, which provides better visibility for the operator, greater comfort, increased operational efficiency, and improvements in access and maintenance. In addition, it features advanced technology that contributes to greater sustainability and reduced operating costs.

The MF 8S Xtra is available in 265 hp, 285 hp, and 305 hp versions, featuring the renowned Dyna-VT (CVT) transmission and maintaining the exclusive Protect-U concept, with a 24 cm clearance between the engine and cab. This system drastically reduces noise (68 dB), heat, and vibrations, improving comfort, 360° visibility, and engine efficiency with cooler air.

New versions of the MF 4700

Massey Ferguson also presents the new base version of the MF 4700 tractor, developed for producers seeking a versatile, robust, and easy-to-operate tractor, especially for citrus and livestock farming. The model maintains the established attributes of the 4700 line, with an AGCO Power engine, electronic management, turbocharger, and intercooler, ensuring fuel efficiency. The 12x12 transmission with mechanical reverser favors operations that require frequent direction changes, in addition to offering operational simplicity and high availability in the field.

With a lifting capacity of 3.000 kg, a hydraulic flow rate of 65 liters per minute, and a cab with 360° visibility, the base version of the MF 4700 meets a wide range of implements and positions itself as a solution that offers performance, robustness, and cost-effectiveness.

MF 7718 Dyna 6

Another highlight of the fair is the new model in the MF 7700 Dyna-6 series, the MF 7718, with a six-cylinder engine and 180 hp, developed for producers who demand continuous power, operational efficiency, and cost-effectiveness.

Equipped with a Dyna-6 transmission (24x24), this model offers automatic gear changes and high performance in various

applications. The tractor comes standard with autopilot capability and hydraulic predisposition, allowing for technological upgrades as needed by the customer.

The hydraulic system, with a flow rate of 150 liters per minute, was designed to meet the demands of demanding implements, such as pneumatic planters. The MF 7718 will be available in three versions — grains, sugarcane, and rice — reinforcing the commitment to solutions tailored to the diverse regional realities of Brazilian agribusiness.

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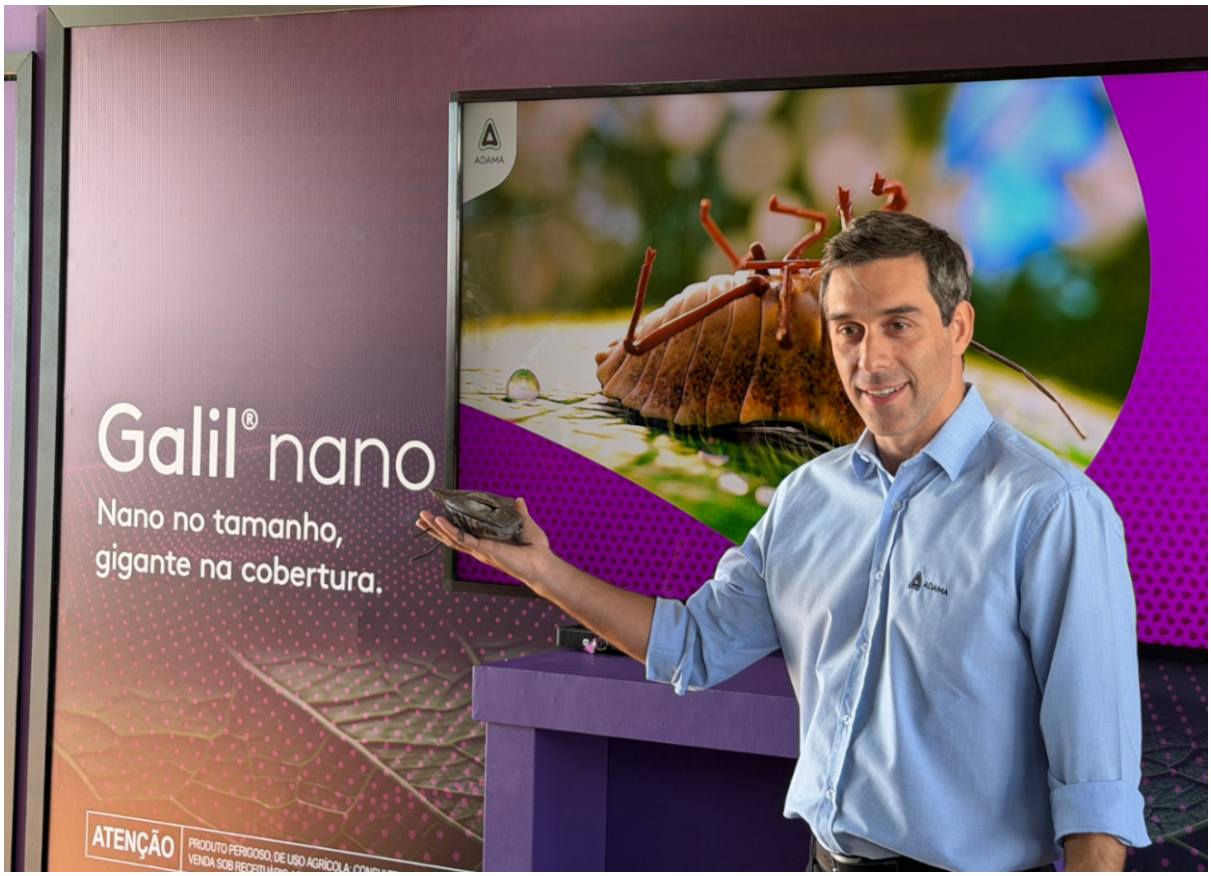
RETURN TO INDEX

Adama launches Galil Nano in Brazil.

The product debuts the company's nanotechnology platform and will be launched during the Show Rural.

10.02.2026 | 17:17 (UTC -3)

Cultivar Magazine



Raphael Malandrino

Adama introduces the Galil Nano insecticide to the Brazilian market for

controlling stink bugs in soybeans and corn leafhoppers. The launch took place during the Show Rural Coopavel. The product's active ingredients are: Bifenthrin e imidacloprid.

Galil Nano utilizes particles on a nanoscale. According to the company, the reduced size accelerates absorption by the plant and increases insect contamination. The technology increases coverage on the leaf surface. The shock effect occurs more quickly in pest management. This performance gains relevance in the control of the brown stink bug and the green stink bug, contributing to reducing losses and preserving productive potential, even in difficult-to-control scenarios.

“The biggest challenge in managing bed bugs involves ensuring the pest comes

into contact with the active ingredient. Galil nano delivers highly effective coverage," says Raphael Malandrino, Insecticide Manager at Adama. According to him, nanotechnology increases the bioavailability of the active ingredient and intensifies tarsal contact, resulting in more efficient and safer control.

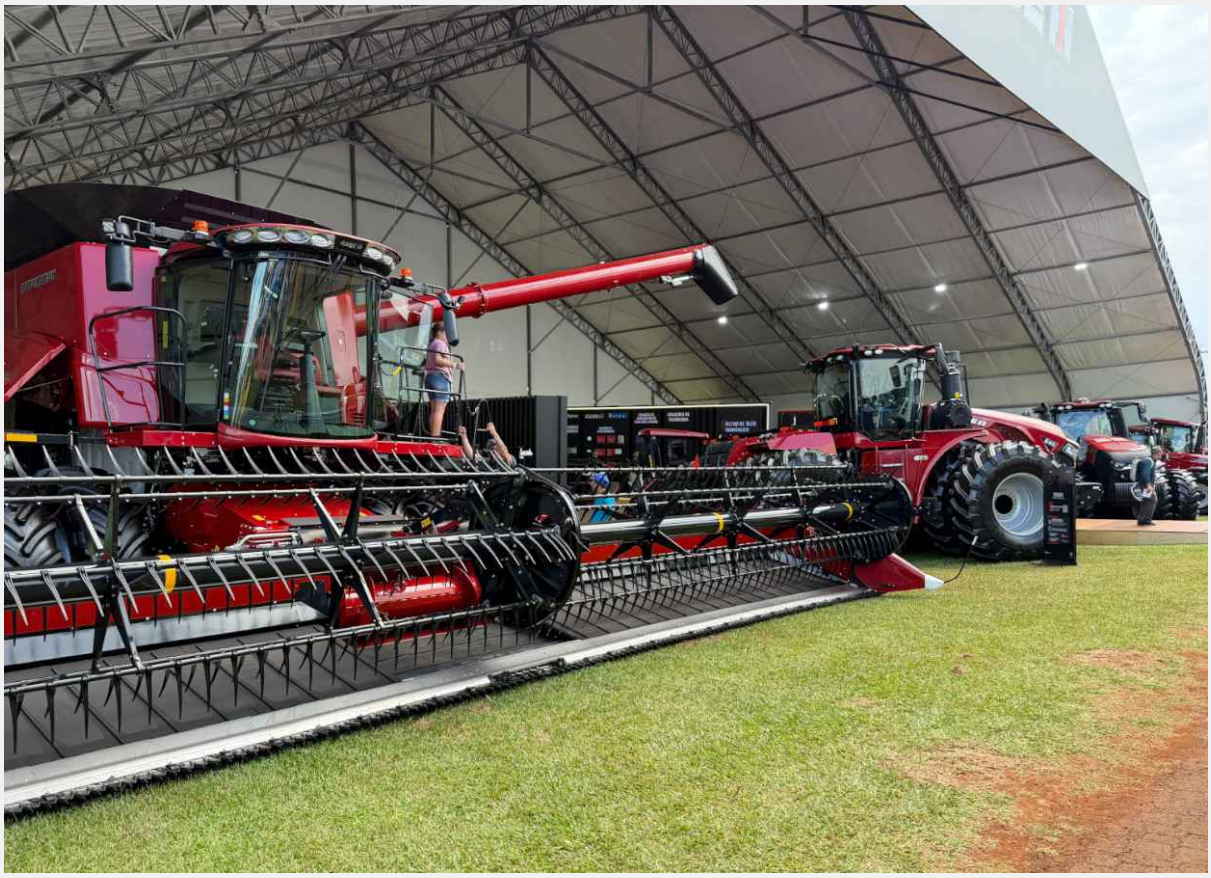
RETURN TO INDEX

Case IH presents tractors at the Show Rural Coopavel.

Among the highlights are Farmall C, Puma 260 CVX and the New Magnum.

10.02.2026 | 16:51 (UTC -3)

Cultivar Magazine, based on information from Jessica Adriani



Case IH, a CNH brand, kicks off the agricultural trade show season in Brazil

with its participation in the Show Rural Coopavel. The company is showcasing its new generation of tractors and innovations in spraying and harvesting equipment at the fair.

Case IH plans to renew its entire fleet by 2028. The trade show marks the beginning of the annual calendar and serves as a reference for planning for 2026, according to Denny Perez, Commercial Director of Case IH Brazil.

Case IH maintains a portfolio ranging from 80 hp to 645 hp. Among the highlights for producers in Paraná are the Farmall C, Puma 260 CVX, and the new Magnum.

The Farmall line spans over 100 years. It serves agriculture and livestock farming. It operates with power outputs from 80 to

140 hp. The Farmall C expands the family. It offers strength, economy, and simple operation. Available in 100 hp and 110 hp versions. It features a 24-speed HiLo transmission. It boasts the highest lifting capacity in its category. Includes telemetry and connectivity. Offers DirectSteer autopilot as an option.

The Puma 260 CVX expands the line and places the brand in the CVT transmission segment, which is growing in the country. The technology improves fuel efficiency by working with power and torque at low RPMs. The engine delivers 260 hp nominal and up to 300 hp maximum. The model adopts a new electronic architecture. It uses Pro 1200 monitors. It delivers comfort with a high-standard cabin.

The new Magnum operates between 265 hp and 405 hp. It includes a Brake to Clutch system, which facilitates operation. It receives new single and dual wheels. The main advancement involves the national transmission, developed for applications in Brazilian tropical agriculture. The tractor debuts with a two-year extended warranty during the fair.

The Steiger line is also part of the stand. It operates between 425 hp and 645 hp. It receives a new design. Includes tire pressure monitoring, lighting package and a luxury cab version.

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RETURN TO INDEX

BASF highlights solutions for soybeans and corn at Show Rural 2026

The portfolio brings together seeds, crop protection, and digital agriculture to support decisions throughout the growing season.

10.02.2026 | 16:30 (UTC -3)

BASF, Cultivar Magazine edition

BASF Agricultural Solutions is participating in the Show Rural Coopavel 2026,

focusing on integrated solutions for soybean and corn crops. The company is showcasing innovations in high-performance seeds, crop protection, and digital agriculture, at a time when the soybean harvest is progressing across the country and the sector is projecting a more favorable 2025/26 crop.

During the trade show, the company will highlight alternatives for recurring challenges in agricultural production, such as nematode management, pest and disease resistance, the selection of more productive cultivars, and the use of data to support decision-making in the field.

New soybean cultivars

Among the new releases, BASF is presenting new soybean varieties under the Credenz and SoyTech brands, focusing on the Southern region. Credenz's CZ 26B26 I2X is recommended for opening up new areas, combining earliness and high yield potential. SoyTech is launching three cultivars: ST 570 I2X, notable for its root health; ST 655 I2X, with high yield potential and uniformity; and ST 670 I2X, which combines controlled plant height and hardiness.

The ST 616 I2X variety, launched in the previous harvest, continues to stand out after registering yields exceeding 210 sacks per alqueire in commercial areas, with consistent performance and heat tolerance.

According to José Gomes, head of BASF's soybean seed and biotechnology business, the focus is on offering greater stability to producers from planting onwards, even in the face of climate variability and pest pressure.

Insecticides and fungicides

In pest management, one of the highlights is the insecticide Efficon, which is now also recommended for soybeans. With a differentiated mode of action, the product acts with the so-called "Freeze Effect," rapidly paralyzing the insect, especially in the control of whiteflies. The technology is also indicated for the management of leafhoppers and aphids in corn, as well as

applications in cotton.

In fungicides, BASF continues to expand the use of the Revysol molecule, present in the Melyra and Belyan products. Belyan, in particular, has stood out in controlling diseases such as cercospora, target spot, and the soybean leaf spot complex, due to its broad spectrum of action.

For Patrícia Guerra, Senior Manager of Crop and Soybean Portfolio Marketing, the integration of different tools throughout the crop cycle is fundamental to reducing risks and preserving the productive potential of the crops.

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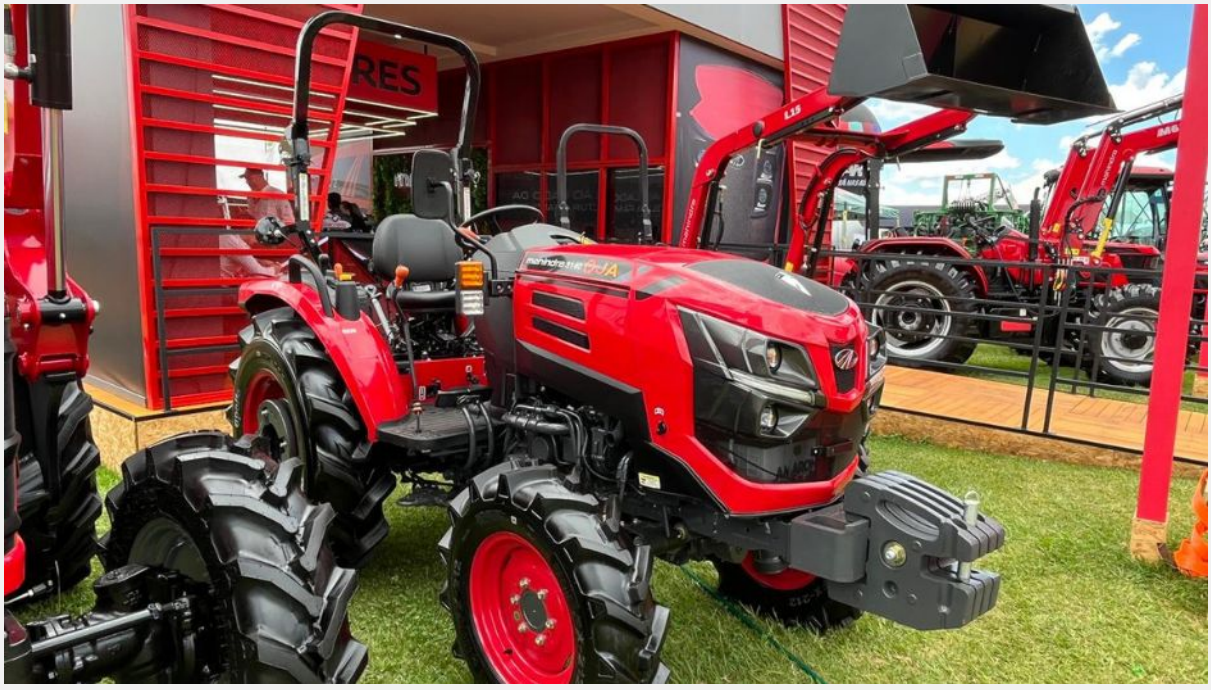
RETURN TO INDEX

Mahindra expands its portfolio with new product launches at Show Rural 2026.

Company brings new tractor from the OJA line and debuts VX90 backhoe loader at the event.

10.02.2026 | 10:44 (UTC -3)

Luciana Bambrilla, Cultivar Magazine editor



Mahindra kicks off the 2026 calendar of major agricultural fairs with two product launches at the 38th edition of Show Rural

Coopavel. A world leader in tractor sales, with annual production exceeding 420 units, the company will present the new OJA 3140 tractor, with 40 hp, and the VX90 backhoe loader, expanding its presence in the Brazilian market.

According to the company, the new products reinforce its strategy of offering robust, economical, and efficient solutions, especially geared towards the demands of rural producers. Mahindra considers Paraná a key market for the brand.

“Paraná is strategic for Mahindra. More than 80% of tractor sales in the state are concentrated in machines below 120 hp – precisely the range where we have a complete portfolio. That's why Mahindra's participation in this fair is so important,”

says Jak Torretta Jr., CEO of Mahindra in Brazil.

Featured line of tractors

During the five-day event, Mahindra will exhibit a representative portion of its tractor line, ranging from 25 to 110 hp. Among the models presented are the 2025 (25 hp), 5050 (50 hp), 6075 in platform and cab versions (80 hp), 6075E (80 hp), 7095 (95 hp), and 8110 (110 hp) tractors, as well as different configurations with front loaders and a 2.000-liter sprayer.

One of the highlights of the stand is the OJA 3140, which is part of the new global Mahindra OJA line. The model is part of a platform of light tractors developed in collaboration between the engineering

teams of Mitsubishi Mahindra Agriculture Machinery in Japan and Mahindra Research Valley in India.

The name “OJA” originates from the Sanskrit word “OJAS,” which represents vitality, energy, and strength. The line is produced at the Zaherabad factory in India, considered one of the group's most advanced, with the capacity to manufacture more than 330 variations of tractors between 20 and 100 hp.

With 40 hp of power, the OJA 3140 expands Mahindra's options for family farming, offering versatility for different types of crops, management, and activities such as use in poultry farms.

Construction equipment

Another product launched for the first time at Show Rural is the VX90 backhoe loader, marking Mahindra's entry into the construction equipment segment in Brazil, known as the Yellow Line. The equipment has already sold over 3.000 units in other markets since its launch.

Although initially developed for infrastructure and building projects, the VX90 also meets the needs of the agricultural sector, being suitable for operations such as soil movement, irrigation canal construction, land leveling, rural road construction, and material transport.

With the arrival of the VX90, Mahindra expands its portfolio in the country, betting on equipment that combines power, technology and versatility for applications in the field.

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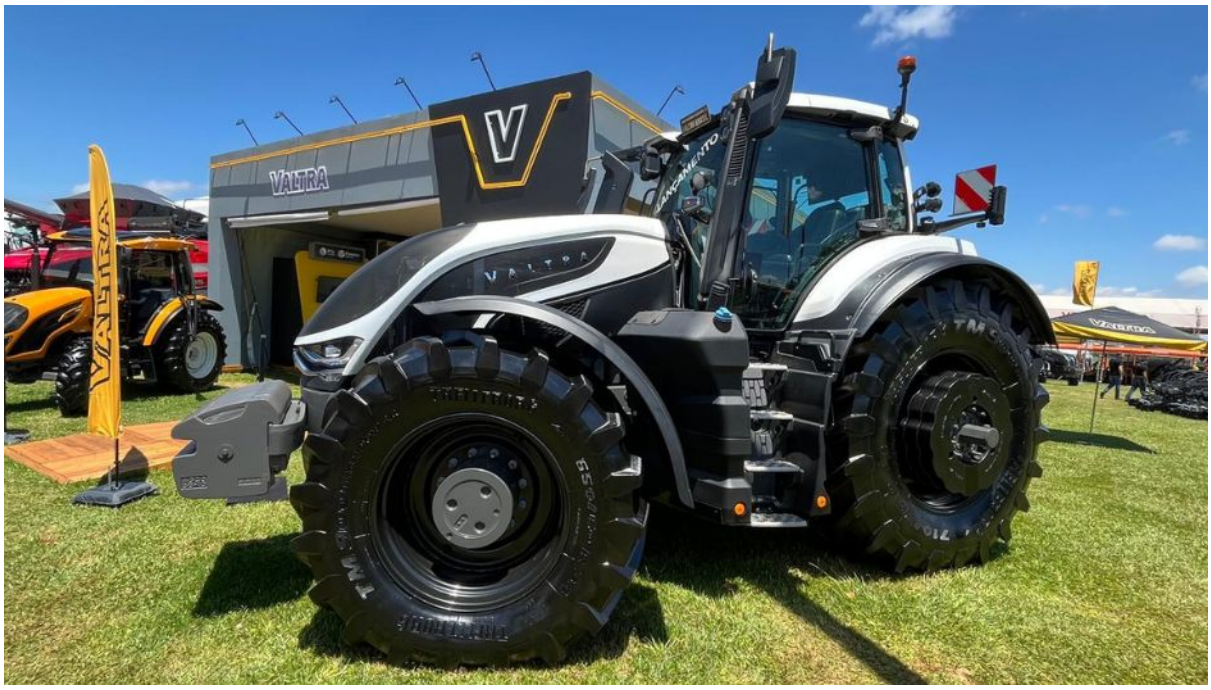
RETURN TO INDEX

Valtra brings precision technology to Coopavel 2026

Visitors to the fair can see the award-winning S6 Series tractor up close and see various smart planting solutions.

10.02.2026 | 09:31 (UTC -3)

Beatriz Voltani



Valtra will be present at Show Rural Coopavel 2026. Among the highlights of this year's fair, the company will be

exhibiting machines that are a benchmark in innovation, such as the S6 Series, as well as precision planting systems.

“The fair is the perfect stage for us to demonstrate how technology is transforming efficiency in the field. With this machinery, we deliver to the producer the most modern power and precision, to ensure that the farmer extracts maximum yield from each hectare, with the lowest possible operating cost,” comments Claudio Esteves, commercial director of Valtra.

S6 Series: Valtra's giant

The S6 Series is Valtra's most powerful tractor family. It was created for experienced operators who value high performance and need responsive, efficient, and reliable torque at a low operating cost. It includes three models, S346, S376, and S416, with maximum power outputs of 345 hp, 375 hp, and up to 425 hp, and torque up to 1.750 Nm.

Its 8,4L AGCO Power engine features a large displacement and a new single-turbo air intake system, which means greater fuel economy and reliability, reaching maximum power at 1.850 rpm. That is, 7% fewer revolutions and between 10% and 15% less fuel consumption.

Valtra's CVT transmission, a benchmark in reliability and smooth machine operation,

provides efficient acceleration and gear changes without gear shifts or interruptions, ensuring maximum control and comfort, both in field operations and during transport. The S6 Series has won the Good Design Award, the iF Design AWA Award RD, and the prestigious Red Dot Award: Product Design 2025.

Planting set

One of the main highlights at the fair, the Q5 Series stands out for its international recognition and its combination of strength and intelligence in the field. With models ranging from 265 hp to 305 hp, the tractors in the line are equipped with a 7,4-liter AGCO Power engine and Valtra CVT transmission, guaranteeing high

performance, maneuverability, and a superior level of visibility. SmartTurn technology allows for automatic headland turns without operator intervention, bringing more precision and efficiency to operations.

Operating alongside the Q5 Series will also be the Momentum planter, which offers 18 planting rows and features Weight Transfer technology (in models 18 to 24), distributing the central load of the chassis to the tips, providing homogeneous seed placement depth and improved planting quality. The Momentum also features the Precision Planting System, considered the best singulation technology on the market, which promotes total population control and complete real-time monitoring.

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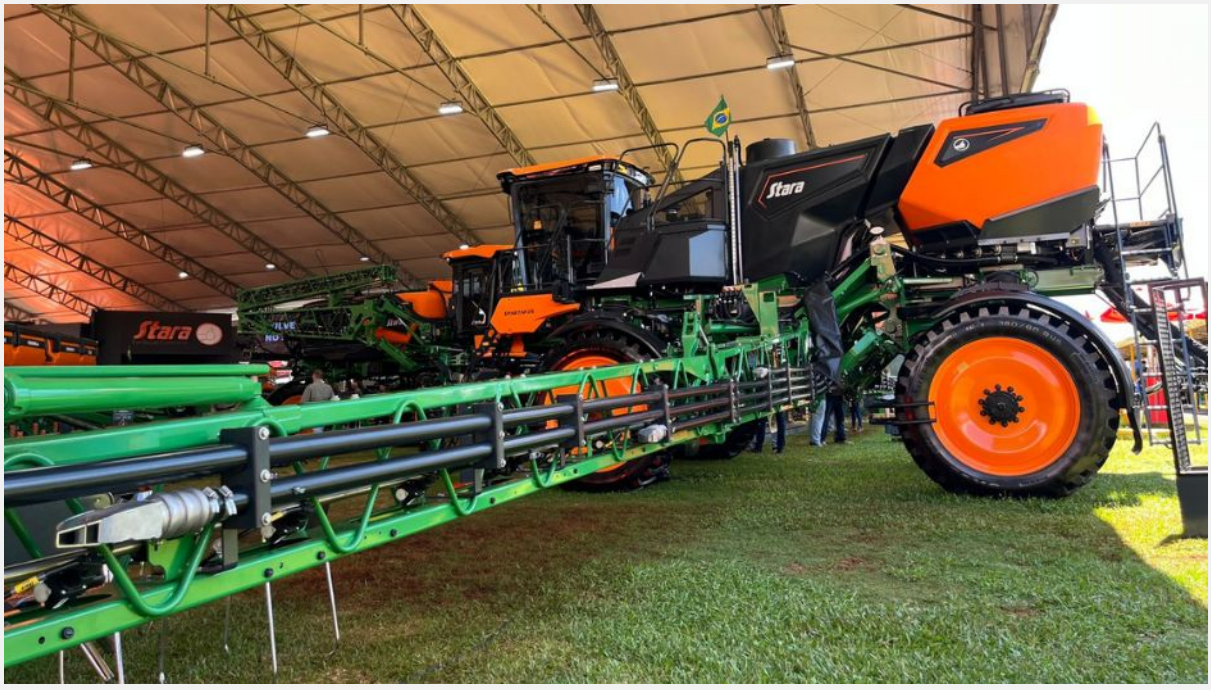
RETURN TO INDEX

Stara presents the Spartakus multi-functional machine at the Show Rural.

The equipment combines fertilization, spraying, and seeding functions in a single self-propelled unit.

09.02.2026 | 17:48 (UTC -3)

Carlos Henrique Correia, Cultivar Magazine editor



Stara presented a new concept in agricultural machinery to the market during

the Show Rural Coopavel. It's the Spartakus, the world's first boom spreader and sprayer. This innovation aims to solidify the company's position as an authority in developing products designed for the realities of Brazilian soil, combining fertilizer distribution, spraying, and boom seeding functions in a single self-propelled machine.

Átila Stapelbroek Trennepohl (in the video), CEO of Stara, emphasizes that the Spartakus was developed from the brand's already established systems, adding capacity and greater efficiency, in addition to the technological package already recognized in the market. "It's a machine designed for producers who want to reduce and optimize costs, with high precision in their operations," he states.

One of the machine's distinguishing features is the ability to distribute fertilizer on the spray booms. With a pneumatic system and a 30-meter application width, the Spartakus is equipped with 12 distribution sections, positioned along the booms at a distance of 2,5 meters from each other. "The operator can control the application rate and turn off the sections individually, ensuring greater practicality, accuracy, and fertilizer savings," explains Cristiano Buss, Director of Research and Development at Stara.

In addition to providing uniform distribution even in windy conditions, the self-propelled sprayer is characterized by its ease of calibration and configuration. "It is only necessary to adjust the dosage to be

distributed, eliminating the need to calibrate the application range using trays, regardless of the product being distributed," adds Cristiano.

Solutions for multiple functions

For producers who adopt cover cropping, the Spartakus also allows for seeding, using the same distribution system. In spraying, the machine incorporates solutions that enhance field performance and ensure excellent application, such as the Nozzle-by-Nozzle and Continuous Recirculating systems.

Complementing this technological package, the Up and Down system and

the Intelligent 4-Wheel Steering stand out, as well as the exclusive central bar system, which contributes to greater stability and operational efficiency. “With a spacious, comfortable, and quiet cabin, convenience during work is another major Spartakus differentiator,” emphasizes Buss, highlighting the balance between the capacities of the tanks, which hold 3.000 liters of liquid and 4 m³ of fertilizers and seeds.

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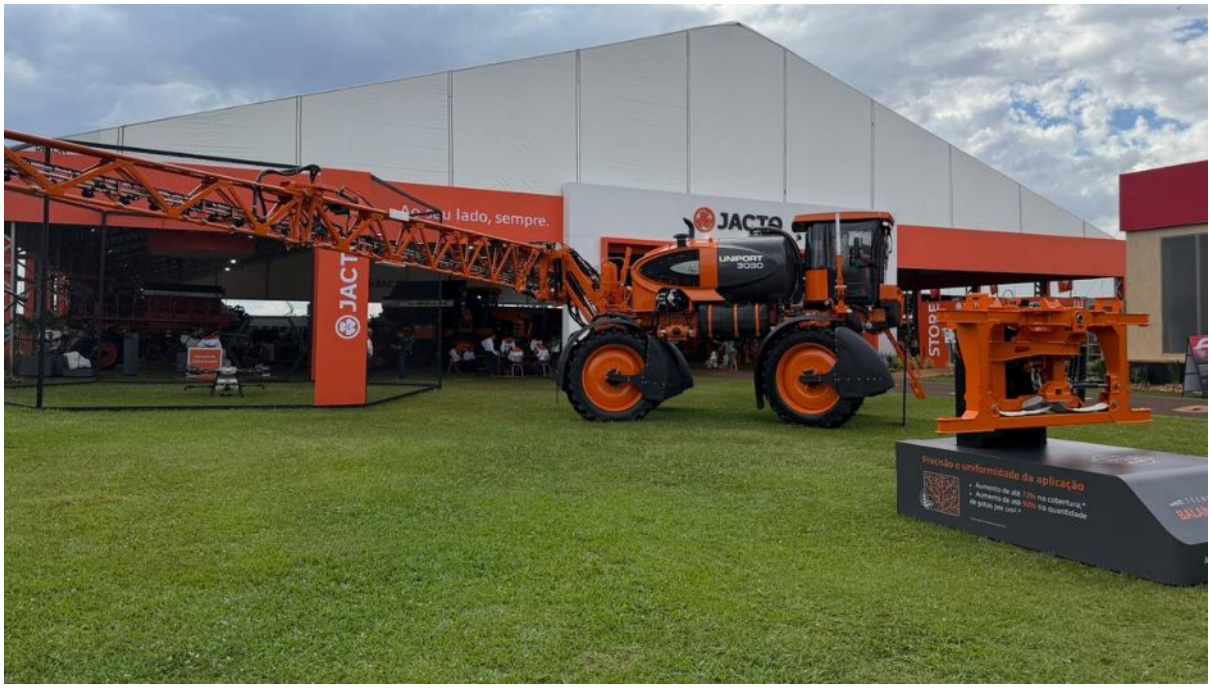
RETURN TO INDEX

New models from the Uniport line are showcased by Jacto at the Show Rural.

The company also announced updates to several models focused on increasing productivity.

09.02.2026 | 17:07 (UTC -3)

Sibelle Freitas, edition of Cultivar Magazine



At its participation in the Show Rural Coopavel 2026, Jacto presents a new

boom stability technology in its Uniport sprayer line: BalanceControl. This innovation can be seen in the 3030 and 4530 models, with 32m and 36m booms, respectively, and aims to transform the performance of spraying operations in the field, with greater efficiency, precision, and productivity.

BalanceControl was designed to deliver better coverage of pesticides on plants, resulting in higher droplet density per square centimeter across the application swath. In addition, the system allows for longer operating times within the ideal spraying height, reducing fluctuations and providing operational gains of up to 30%.

"By providing more uniform and stable spraying, even on uneven terrain, the

technology directly contributes to the rational use of pesticides, reduced losses, and increased productivity," says Rodrigo Madeira, business manager at Jacto.

The system consists of mechanical, hydraulic, and electronic solutions that automatically adjust the position of the booms in real time according to variations in the terrain. This mechanism allows the machine's movement to be independent of the booms, activating the system only when necessary, which reduces wear on the components and increases their durability.

“The main benefit of this technology lies in the greater precision and uniformity of application, with gains of up to 72% in coverage and up to 92% in droplet density

per cm² compared to conventional systems. The technology also reduces the need for operator intervention and increases safety during operation," he explains.

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Updates on sprayers

Another highlight from Jacto at the start of this year are the Uniport 2030 and 2530 sprayers, whose application system goes from 8 to 11 sections with MultiControl technology, which provides more savings in the application of pesticides.

With the aim of facilitating operation, the Uniport 2000 and Uniport 2030 models have gained a new row-opening solution, and a new track width of 3,05 m or 3,60 m is available on the Uniport 2030, 2530 and 3030 models. The brand also announces a new line of EVOS 800 and Evos 1000 displays for the Uniport 2030 and 2530 sprayers, reinforcing the technological advancement of the line with a focus on usability for the operator.

RETURN TO INDEX

Adama appoints new global product manager.

Thilo Arend-Heidbrinck has 17 years of experience in agribusiness and takes on a management role focused on insect control.

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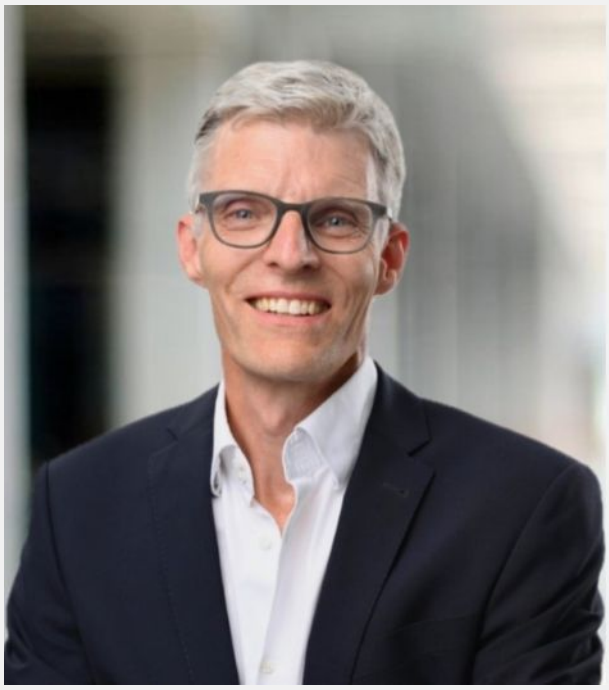
Cultivar Magazine



Adama Ltd. has appointed Thilo Arend-Heidbrinck (pictured) as Global Product Manager, a position he will hold based in

Schaffhausen, Switzerland. His role will involve supporting farmers worldwide with innovative and effective solutions for insect pest control.

With 17 years of experience in agribusiness, Arend-Heidbrinck built her career at Syngenta, where she held leadership positions related to the insecticide and seed treatment portfolio. Before joining Adama, she was the "leader" of the Insect Control portfolio for the Eame region (Europe, Middle East and Africa).

The executive holds a degree from the Agricultural Leadership Program at Purdue University and a master's degree in Industrial Engineering from the Technische Universität Berlin.

RETURN TO INDEX

Bayer is making changes to strategic positions in North America.

Tom Eickhoff assumes the vice presidency of research; Kelly Gillespie leads Digital Solutions.

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Cultivar Magazine

Bayer is undergoing changes in its organizational structure in North America,

with alterations to strategic positions related to research and digital solutions. Among the changes, Tom Eickhoff assumes the position of Vice President and Head of Agribusiness Research and Insights (ARI), after seven years at Climate, a company within the Bayer Crop Science division. Consequently, Kelly Gillespie takes over the role of Chief Scientific Officer, previously held by Eickhoff, focusing on Digital Solutions for Agriculture.

With 19 years of experience in agribusiness, Eickhoff built his career primarily at Bayer and Monsanto. The executive will be based in Saint Louis, Missouri. “I am grateful for the trust placed in me, for the people I will be working with, and for the opportunity to help shape how

ARI will support our pipeline and our customers in the future," he stated.

Kelly Gillespie has been with Bayer for seven years and has experience in areas related to innovation, research and development (R&D), as well as leadership positions such as Vice President of Digital Ecosystem Services and Operations. She will also be based in Saint Louis.

"I am grateful for Tom's leadership and the global scientific community. What motivates me is transforming data into simple and reliable tools that make decisions in the field clearer. When innovation is integrated into the daily lives of producers and consultants, science delivers its best results. My commitment is to strengthen a culture of collaboration, mentorship, and knowledge sharing to

generate real impact for Bayer and its customers," she stated.

RETURN TO INDEX

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