03.may.2025

N º 28

Cultivar Semanal ®

New machines at Agrishow 2025

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Machinery Industry expected to grow 8,2% in 2025, says Abimaq

In the first quarter of this year, the sector had a turnover of R$67,5 billion, 15,2% higher than that recorded last year.

01.05.2025 | 14:58 (UTC -3)

Gabriela Salazar, Cultivar Magazine edition

The Brazilian machinery and equipment industry had a turnover of R$67,5 billion

between January and March this year, 15,2% higher than the same period last year. The data was released by the Brazilian Machinery and Equipment Industry Association (Abimaq) at the 30th edition of Agrishow. According to the entity, the sector should end the year with an 8,2% expansion in sales volume compared to 2024.

According to Pedro Estevão Bastos de Oliveira, president of the Abimaq Agricultural Machinery and Implements Sector Chamber, in relation to agricultural machinery and equipment, growth was 13% between January and March 2025 compared to the same period in 2024, due to “the improvement in the climate scenario in Brazil, which allowed for a good harvest, with increased productivity.

On the other hand, maintaining the basic interest rate at a high level imposes difficulties for the sector”.

For Estevão, the volume of resources from the next Safra Plan and the interest rates that will be set by the Federal Government are a point of attention for the sector. “It will have to be reasonable, without high interest rates, otherwise we could have a very large number of order cancellations. But regardless of all this, we understand that we will have a positive year”, he states.

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Brazil assumes global leadership at Bosch and boosts digital agribusiness

Company invests R$200 million and transforms the country into an epicenter of technological innovation for the field

30.04.2025 | 15:28 (UTC -3)

Cultivar Magazine, based on information from Carolina Moretti

Mathias Schelp, vice president of smart agriculture at Bosch; Gastón Diaz Perez, CEO and president of Bosch Latin America; Manfred Al-Kayal, Regional President of Bosch Rexroth Latin

In 2025, Brazil will become Bosch’s new global competence center for technologies applied to agribusiness. The decision marks a strategic shift for the German group. The Brazilian subsidiary assumes global leadership in research, development and manufacturing of solutions for planting, spraying and digitalizing agricultural operations.

The initiative will receive direct investment of R$200 million over the next three years. The structure will have 100 dedicated professionals located in Brazil and Argentina. The existing centers in the United States and Germany will continue to operate, but the leadership of global actions will shift to South America. The investment will also benefit from resources

from FINEP and BNDES, through the Mais Inovação program.

The new product is a highlight at Agrishow 2025. Bosch presented a series of technologies that consolidate its performance as a reference in digital and sustainable agriculture.

One of the pillars of this transformation is the Intelligent Planting Solution (IPS). The technology, developed in the region, performs seeding with controlled distribution line by line. It ensures equidistance between seeds and allows for the precise application of fertilizers at variable rates. According to a study by Embrapa, cited by the company, productivity increased by up to 8% in corn and cotton crops in Mato Grosso and

Paraná.

This technology connects to the Bosch Digital Agro platform. The system integrates producers and machines in real time. It allows remote monitoring of operations, automatically adjusts parameters and reduces waste. One of the differences is in the communication

between machines. Equipment in the same field operates in sync, without overlapping, maximizing the use of inputs.

Another highlight is the One Smart Spray system, developed in partnership with BASF. Equipped with cameras and artificial intelligence, the system identifies weeds in real time and applies herbicides only where necessary. In practical tests, average input savings reached 62%.

Bosch is also strengthening its presence with its line of agricultural machinery electrification. The e-Lion platform offers components that reduce emissions and increase energy efficiency. The BODAS system allows the adaptation, customization and control of drive systems, combining hardware and

software in modular solutions.

The merger between Bosch Rexroth and Hydraforce completes two years of significant growth. The integration of operations has enabled rapid industrial transfers and gains in scale. Together, the brands have established themselves as leaders in hydraulics and system control for agricultural equipment.

Local production of components in Pomerode (SC) and Taboão da Serra (SP) facilitates access to tailor-made solutions. Customers can find spare parts, maintenance services and technical support from a broad national network of partners. Bosch Diesel's presence with more than 300 specialized workshops reinforces its support to the agricultural

sector.

In addition, the Off-Highway line includes parts for machines and implements, such as WDD2 and WSM3 electric motors, diesel pumps and injectors, alternators and starter motors. All developed to withstand the demands of field operations.

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New Holland launches 15 products at Agrishow 2025

Brand celebrates 50 years in Brazil with harvesters, tractors, drones and AI spraying

29.04.2025 | 15:25 (UTC -3)

New Holland, Cultivar Magazine edition

T9.470 tractor was highlighted at the company's stand

During Agrishow 2025, which runs until May 2 in Ribeirão Preto (SP), New Holland

celebrates its 50 years in Brazil with more than 15 launches aimed at producers of all profiles. Among the highlights is the arrival of the CR11, the world's largest twin-rotor harvester, launched at Agritechnoca 2023 and now commercially available in the country.

The brand also presents the new line of CR harvesters with six new models, all with the Natural Flow design and automation option with the IntelliSense system, based on artificial intelligence. The system is capable of automatically adjusting the machine based on images captured every 20 seconds, optimizing performance and harvest quality.

Another relevant launch is SaveFarm, a selective spraying solution that uses AI, in

addition to the new Defensor sprayer family and the New Holland Application Drone, which promises the highest capacity on the market. The brand also brings a new range of low, medium and high power tractors.

To mark the 5th anniversary, New Holland is displaying a TLXNUMX tractor customized with graphics representing

Brazilian agriculture at its stand. The equipment will be auctioned at the end of the year, with proceeds going to Hospital Pequeno Príncipe, a reference in pediatrics in the country.

Tractor line

The company highlighted its new generation of tractors. The highlights are the T8, T7.300 Auto Command CVT models, the new T5 family and the versatile TT3.50.

The T8 comes with free, lifetime telemetry. It has autopilot, Isobus system, FPT Cursor 9 engines and UltraCommand 21x5 transmission. The redesigned cabin offers comfort, 360º vision and ergonomics. The

transmission has a Break to Clutch function, which reduces wear and increases efficiency. The model operates with high torque, ideal for larger implements and fuel economy.

T8.440 Tractor

The T7.300 Auto Command CVT combines power, technology and comfort. The 260hp engine reduces emissions

without losing performance. The new CVT transmission ensures fluidity and economy even in severe conditions. The tractor features the PLM Intelligence system with Intelliview 12 monitor, as well as a modern cabin and front suspension with greater traction. Electronic remote valves allow quick adjustments to the implements.

The new T5 line includes the T5.100 and T5.110 models, with FPT S8000 engines and new 24x24 and 40x40 transmissions. The 360° view cabin and on-board technology increase productivity. The line offers optional rear axles and is suitable for different types of crops, from preparation to harvesting.

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Valtra launches S6 Series tractors at Agrishow 2025

New generation of machines arrives in Brazil with intelligent technology and maximum efficiency

29.04.2025 | 13:32 (UTC -3)

Cultivar Magazine

Valtra has unveiled the new S6 Series of tractors at Agrishow 2025. Designed and manufactured in Finland, the range promises to transform heavy operations in grain production and the sugar-energy sector with high performance, low fuel consumption and unmatched robustness.

The S6 Series comprises three models — S346, S376 and S416 — with maximum power outputs of 345 hp, 375 hp and up to 425 hp. Torque reaches an impressive 1.750 Nm. With 8,4L AGCO Power engines and a new single-turbo air intake system, the tractors operate at reduced RPM, offering up to 15% fuel savings.

Valtra’s CVT transmission eliminates traditional gear changes. It ensures continuous traction and precise control, enabling smooth starts even with heavy

implements already in contact with the ground. The synchronization between engine and transmission sustains the power required for difficult soils and demanding crops.

In addition to grain production, the S6 Series meets the demands of the sugarcane sector. The structural strength of the new models allows continuous operation under severe conditions, extending the useful life of the equipment.

Equipped with the SmartTouch system, the tractors offer intuitive control similar to using a smartphone. SmartTurn automates headland maneuvers, reduces overlap, saves fuel and minimizes soil compaction. TaskDoc streamlines the management of field activities, increasing productivity.

The technology package includes Valtra Guide for assisted driving and Auto U-Pilot, which automates operational tasks. Headland curves follow four programmable patterns, increasing precision in planting and other operations.

The S6 Series cab is designed to maximize the operator experience. With

6,5 m² of glass surface, it offers ample visibility. The AutoComfort suspension, together with the front axle and Evolution seat, provides a smooth ride on uneven terrain.

Another differentiator is Valtra's exclusive Twin Track system, which allows reverse driving for specific jobs, such as cutting and shredding, optimizing efficiency. Valtra Connect allows remote machine monitoring and predictive maintenance.

The S6 Series hydraulic system features a record flow rate of 400 l/min, achieved by two independent axial pumps. Each valve can reach up to 170 l/min, electronically controlled by SmartTouch. The system also features automatic closing, preventing contamination and preserving the environment.

The new line will be sold in two versions: Premium, with Titan gray paint and black wheels, and Active, in metallic black with white wheels. During Agrishow, Valtra displayed special editions in white and gray.

Check out the test drive of the S416 tractor carried out by Revista Cultivar Máquinas by clicking here.

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At Agrishow, John Deere unveils ethanol-powered 8R tractor

Prototype focuses on high performance and reduced emissions to strengthen energy alternatives in the field

29.04.2025 | 09:02 (UTC -3)

Cultivar Magazine

John Deere presented the 2025R tractor equipped with an ethanol-powered engine at Agrishow 8. The prototype is part of the company's strategy to offer cleaner and more affordable energy alternatives to rural producers.

The 8R tractor is undergoing field tests in Brazil. The experiments are taking place in the sugarcane and grain segments, where ethanol is widely available. The engine calibration has received specific software adjustments, ensuring performance similar to that of diesel and contributing to the reduction of emissions.

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Brazil was chosen as the initial market. The country leads the global production of ethanol from sugarcane and corn, and is also one of the largest grain exporters. The country’s consolidated ethanol production and distribution infrastructure strengthens the conditions for the adoption of the new technology.

The 8R tractor was strategically selected to receive the brand's first ethanol engine. It is one of the most common models on Brazilian rural properties, widely used in various phases of the production cycle.

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Fendt launches Ideal 25 combine harvester at Agrishow 2025

New model promises to increase efficiency in the field with innovations adapted to tropical agriculture

28.04.2025 | 23:43 (UTC -3)

Cultivar Magazine

Fendt unveiled its new harvester, the Fendt Ideal 2025, at Agrishow 25. The company highlights that the machine provides a reduction of more than 10% in fuel consumption and a gain of more than 10% in productivity.

The HarvestPlus system, integrated into the harvester, automates the operation, reducing losses, increasing grain quality and limiting the use of resources.

The technical architecture of the Fendt Ideal 25 includes the Dual Helix Processor system. Its rotors measure 4,84 meters. The threshing area, 45% larger than previous versions, increases the separation capacity without compromising the quality of the grains. The cleaning system, 25% larger, offers compensation for up to 15% of slope. This feature proves

crucial for the uneven terrain of the South and Southeast of Brazil, where the stability of the harvest determines the success of the operation.

According to Fernando Petroli, Fendt's product marketing coordinator, the machine produces grain samples with mechanical damage tending to zero in crops such as soybeans. The reduction in losses represents not only savings, but also an advance for the seed market, which demands whole and healthy material.

Manufactured in Santa Rosa, the Fendt IDEAL 25 uses German technology and local adaptations. The global project involved the collaboration of Brazilian engineering to develop the waste management module, a vital necessity for

direct planting in the country.

Photo: Nilson Konrad

Among the operational advances, AutoTurn reduces the need for manual maneuvers, increasing operator precision and comfort. The Teach-in system performs pre-programmed sequences, increasing productivity and minimizing the risk of errors during headland operations.

The new harvester's engines operate at 1.900 rpm, a strategy that extends their useful life and reduces fuel consumption. The AirSense cooling system, with a 950 mm reversible fan and a 2,7 square meter surface area, keeps the machine operating at its ideal operating speed. In conditions of intense dust, the dust ejector, the only one on the national market with a turbine in the feeder, ensures visibility and safety.

The machine also incorporates an adjustable tip on the discharge tube, allowing precise control of grain flow. The Draper platform has received a new track drive with a 90-degree sealed box, increasing durability and reducing downtime.

The technological package is completed by the Fendt Gold Star program. It

includes a three-year factory warranty and remote monitoring via Fendt Connect. Telemetry allows you to monitor data such as position, speed, consumption and performance of the combine in real time, preventing failures and maximizing availability.

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BASF announces Q1 2025 results

Reduced volumes and pressure on prices affect agricultural segment results; company maintains annual projection

02.05.2025 | 11:02 (UTC -3)

Cultivar Magazine

Segments

Q1 (million €)

	Sales			EBITDA			EBITDA before special items			Segment cash flow		
	2025	**2024**	**+/–**	**2025**	**2024**	**+/–**	**2025**	**2024**	**+/–**	**2025**	**2024**	**+/–**
Chemicals	2,777	2,764	0.4%	334	453	–26.2%	336	453	–25.9%	–390	–556	29.8%
Materials	3,449	3,441	0.2%	459	549	–16.5%	469	508	–7.7%	44	85	–48.8%
Industrial Solutions[a]	2,269	2,285	–0.7%	355	379	–6.3%	361	383	–5.8%	142	117	22.1%
Nutrition & Care	1,720	1,729	–0.6%	226	261	–13.2%	230	262	–12.4%	–103	–64	–62.2%
Surface Technologies[a]	3,081	3,119	–1.2%	276	278	–0.9%	307	304	0.9%	33	234	–86.0%
Agricultural Solutions	3,203	3,478	–7.9%	1,189	1,359	–12.5%	1,204	1,361	–11.5%	–978	–715	–36.8%
Other	903	736	22.7%	–662	–624	–6.0%	–282	–560	49.7%			
BASF Group	**17,402**	**17,553**	**–0.9%**	**2,177**	**2,655**	**–18.0%**	**2,625**	**2,712**	**–3.2%**			

a Since January 1, 2025, the chemical and refining catalysts business has been reported as part of the Performance Chemicals division in the Industrial Solutions segment. It was previously part of the Catalysts division in the Surface Technologies segment. The prior-year figures have been adjusted accordingly.

BASF's Agricultural Solutions segment recorded a decline in sales volumes in the first quarter of 2025. The decline contributed to a €151 million drop in the

company's total revenue, which amounted to €17,4 billion in the period.

The company reported that volumes in the agricultural sector declined along with the chemicals and nutrition & care segments. In addition, prices came under competitive pressure in almost all business areas. The result was a significant reduction in EBITDA before special items in the agricultural division, compared to the same quarter of 2024.

Despite the decline in agricultural performance, BASF maintained its adjusted operating profit of €2,6 billion. This was in line with market expectations. Net income fell to €808 million from €1,4 billion in the same period of the previous year.

BASF has reaffirmed its local production strategy as a way to reduce the impacts of international trade tariffs. According to the company, in South America, around 80% of the company's sales are of products manufactured in the region itself, which helps to protect the agricultural business from fluctuations in foreign trade.

Regions

Q1 (million €)

	Sales by location of company			Sales by location of customer		
	2025	**2024**	**+/–**	**2025**	**2024**	**+/–**
Europe	7,459	7,410	0.7%	7,144	7,126	0.3%
of which Germany	2,963	2,940	0.8%	1,786	1,682	6.2%
North America	5,107	5,375	–5.0%	4,946	5,232	–5.4%
Asia Pacific	3,936	3,830	2.7%	4,001	3,924	1.9%
of which Greater China	2,272	2,102	8.1%	2,228	2,072	7.6%
South America, Africa, Middle East	900	938	–4.0%	1,310	1,271	3.1%
BASF Group	**17,402**	**17,553**	**–0.9%**	**17,402**	**17,553**	**–0.9%**

The company maintained its projections for the year, with EBITDA expected to range between €8 billion and €8,4 billion. Free cash flow is expected to range between €0,4 billion and €0,8 billion.

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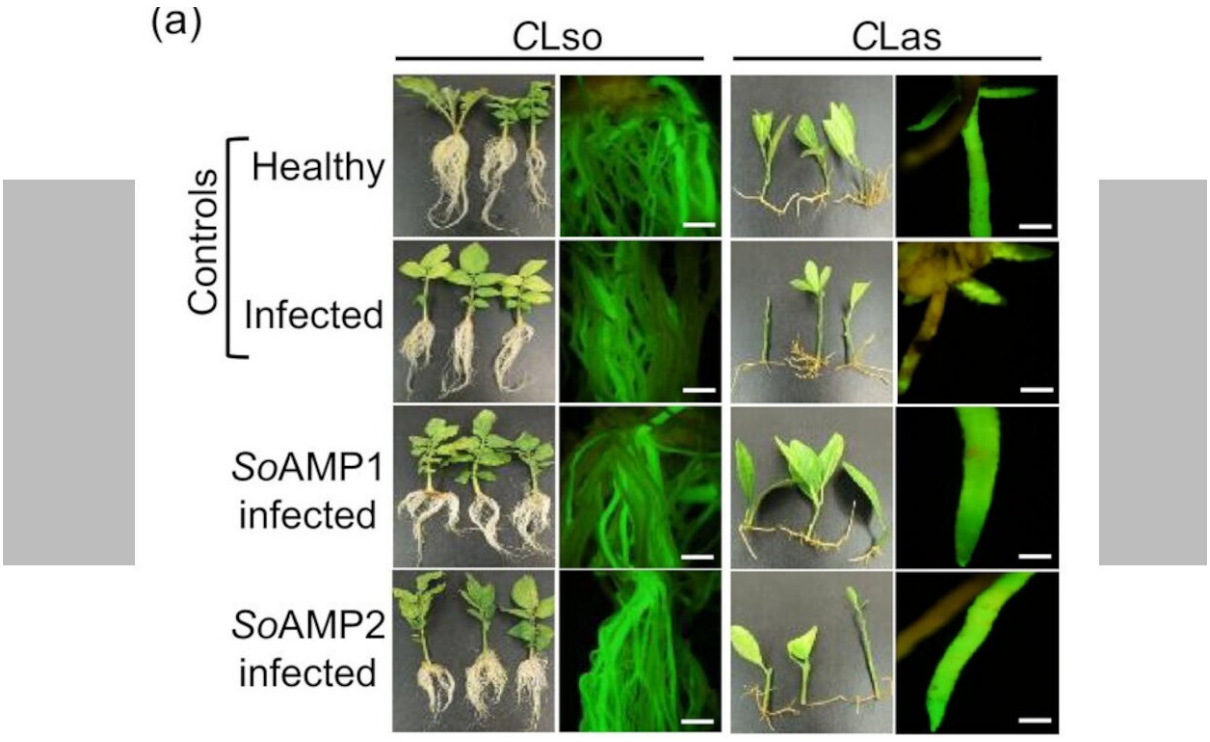
Spinach peptides may act against bacteria that attack citrus and potatoes

Research shows that natural plant defensins restore productivity and reduce disease symptoms

02.05.2025 | 10:08 (UTC -3)

Cultivar Magazine



Scientists' discovery could change the course of the fight against citrus greening and potato zebra chip, two of the most destructive diseases in North American agriculture (both caused by bacteria) *Candidatus Liberibacter*). The group of researchers managed to adapt antimicrobial peptides from spinach — called defensins — to protect commercial citrus and potato crops with significant gains in yield and health.

These small proteins already act as a natural line of defense in plants, animals and insects. The innovation consisted of introducing spinach defensin genes directly into the affected crops. Result: in field tests, orange trees infected by greening had increases of up to 50% in

productivity with just one application of the technology.

How works

Spinach defensins were introduced into the plants using two different methods. For citrus, the scientists used the Citrus tristeza virus (CTV), which occurs naturally in orchards and allows for precise delivery of the genetic material. The modified virus carries the defensin genes to infected tissues, where they act directly against the bacteria. *Candidatus Liberibacter asiaticus* , which causes greening.

For potatoes, introduction was done by genetic transformation with *Agrobacterium tumefaciens*, the classic method of

producing transgenic plants. The modified plants resisted infection by the bacteria better *Candidatus Liberibacter solanacearum*, associated with the zebra chip. They presented fewer visual symptoms, lower bacterial load, greater number of tubers and chips with more uniform coloration after frying.

Field results

In trials conducted in Florida groves with high levels of greening, orange trees treated with the defensins AMP1 and AMP2 had 40% and 50% higher yields, respectively, compared to untreated trees. In the second year after treatment, yields were still 32% higher, suggesting a long-lasting effect.

In potatoes, the gains were also substantial. Transgenic lines expressing the same defensins generated between 53% and 130% more tubers than infected conventional plants. Analysis of the chips showed a significant reduction in the typical zebra chip discoloration, a dark spot that makes processing impossible.

Additionally, laboratory tests with the bacteria *Liberibacter crescendos*, a cultivable relative of the target pathogens, revealed that defensins induce membrane permeability and cell death at rates much higher than those observed in controls.

Safety and regulation

One important difference is the safety of defensins, scientists say. Since these proteins are present in spinach, which is consumed daily by humans, including children, there is no known health risk. The U.S. Environmental Protection Agency (EPA) has issued a favorable opinion on the use of these proteins in cultivated plants, granting a temporary exemption from tolerance for residues.

This regulatory backing paves the way for commercial adoption of the technology. Southern Gardens Citrus has licensed the patents for the defensins and the viral vector. Silvec Biologics, a partner in the development, filed a formal application with the EPA in January 2024 for approval for large-scale use.

More information can be found at

doi.org/10.1111/pbi.70013

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Ascenso launches high flotation tire in Brazil

FTB 190 HD (I-3), the first and only 600/50-22,5 tire with 20 plies available on the Brazilian market

01.05.2025 | 17:12 (UTC -3)

Ascent

Ascenso, a global off-road tire manufacturer, has chosen Agrishow 2025

to launch the FTB 190 HD (I-3), the first and only 600/50-22,5 tire with 20 plies available on the Brazilian market. Designed for sugarcane trailers and wagons, the new model supports up to 1.000 kg more than conventional tires of the same size, combining high load capacity, resistance to severe conditions and reduced soil compaction.

The FTB 190 HD is designed for heavy-duty applications, featuring a super-reinforced casing, a larger contact patch for stability and control on soft terrain, and a special tread compound that offers protection against cuts and stubble damage.

This launch marks a new chapter for Ascenso in Brazil, reinforcing the company’s strategy of investing in the country with high-quality products and agile solutions, adapted to the specific needs of Brazilian agriculture. Ascenso stands out for its agility in developing and adapting new products, always aligned with market demands.

Headquartered in India and present in more than 90 countries, Ascenso is the result of more than 35 years of experience of the Mahansaria family in the off-road tire segment.

Rafael Nespoli, General Manager of Ascenso in Brazil, highlights the potential of the Brazilian agricultural market. “That is why we are attentive to the needs of the field and spare no effort to bring robust, modern and locally adapted products”, he concludes.

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Quicke plans expansion in South America

Company participates in Agrishow 2025 with its product portfolio, which includes the new V series front loader

01.05.2025 | 16:27 (UTC -3)

Cultivar Magazine

With 75 years of experience and a consolidated presence in Europe, Quicke

was one of the highlights of Agrishow 2025 when it presented the V series front loader, already manufactured in Brazil and aimed at the agricultural sector. The brand, of Swedish origin and part of the Jost World group, focuses on technology, durability and efficiency as differentiators for the Brazilian market.

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The V series has models compatible with different tractor power ranges, from 40 to 180 horsepower, including versions with a self-leveling system. The model was the subject of the Cultivar Magazine Test Drive in March. Click here to access.

In addition to front loaders, the company presented its cabins for agricultural and industrial machines, focusing on ergonomics, quality of finish and versatility.

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Rockinger debuts at the fair

The Rockinger brand, also part of the group, participated in Agrishow with its traditional line of hitches for trucks, trailers, agricultural machinery and industrial vehicles, reinforcing its presence in the South American market with robust and reliable solutions.

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JCB’s 437ZX AGRI wheel loader arrives in Brazil

With a 173hp engine and a 6m³ bucket, the machine aims to meet large field operations

01.05.2025 | 15:52 (UTC -3)

Cultivar Magazine

JCB presented the 2025ZX AGRI loader at Agrishow 437. Equipped with a 173hp

Cummins engine and a 6m³ bucket, the machine was designed for operations that require high volumes of movement. The launch combines performance, fuel economy and operator comfort.

According to Adriano Merigli, CEO of JCB Latin America, the model meets the needs of producers seeking robustness and efficiency. Etelson Hauck, Director of Strategy & Product Solutions, highlights the low maintenance cost as a differentiator.

The company also brought to the fair the Telemaster TM320, a loader with a telescopic arm that reaches up to 5,2 meters and lifts up to 3.200 kg. The concept combines strength, versatility and agility in loading and moving.

Among the highlights of the stand is the 4CX ECO backhoe loader. The machine has a 100hp turbo engine, three steering modes and can dig up to 5,6 meters deep. JCB also exhibited the 270 skid steer loader, with an operating load of 1.235 kg and vertical kinematics, ideal for those who need precision and speed.

Another of the brand's bets is the JS130 hydraulic excavator. With an operating

weight of 13.625 kg, the model has a 100hp JCB Dieselmax mechanical engine and a high-flow hydraulic pump. The excavator reaches a depth of 6,03 meters and offers great digging force.

The Loadall range of telescopic handlers was introduced with the 541-70 model. The machine lifts up to 4.100 kg and reaches a height of 7 meters. The 114hp Dieselmax engine and three steering modes ensure efficiency and low consumption.

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Cummins unveils ethanol-powered B6.7 engine concept

Prototype operates with 100% hydrated ethanol and promises performance equivalent to diesel

01.05.2025 | 15:41 (UTC -3)

Cultivar Magazine

Cummins unveiled at Agrishow 2025 the concept of the B6.7 ethanol engine,

designed to operate with 100% hydrated ethanol. The proposal seeks to demonstrate the potential of biofuel as a viable alternative to the energy transition in Brazilian agribusiness.

With 325 hp of power and 895 Nm of torque, the engine delivers performance similar to diesel. It uses direct injection technology at 350 bar, a cylinder head with dual camshafts and turbocharger, as well as a three-way post-treatment system.

The company focuses on simplicity of maintenance, extended intervals and the use of renewable fuel as a differentiator. Ethanol offers a reduction of up to 68% in greenhouse gas emissions. The concept focuses on agricultural applications such as sprayers, harvesters and other medium-

sized off-road machines.

Developed based on the B series, which already has more than 13 million units produced worldwide, the model follows the Otto cycle architecture. The project aims to serve properties with their own ethanol production, regional fleets and operations with defined routes.

According to Cummins, Brazil has ideal conditions for adopting ethanol as an

energy solution. The consolidated infrastructure, availability of the fuel and experience in agricultural use favor this route.

The concept is not yet in commercial production, but it is already attracting interest. The company advocates an integrated approach, which involves regulation, infrastructure, technological adaptation and collaboration between industry and producers.

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Cargill guarantees 35-year operation at the Port of Paranaguá

At auction, the company leased the area known as PAR15, where it has operated under its management since 1990.

01.05.2025 | 14:35 (UTC -3)

Felipe Fonseca, edition of Cultivar Magazine

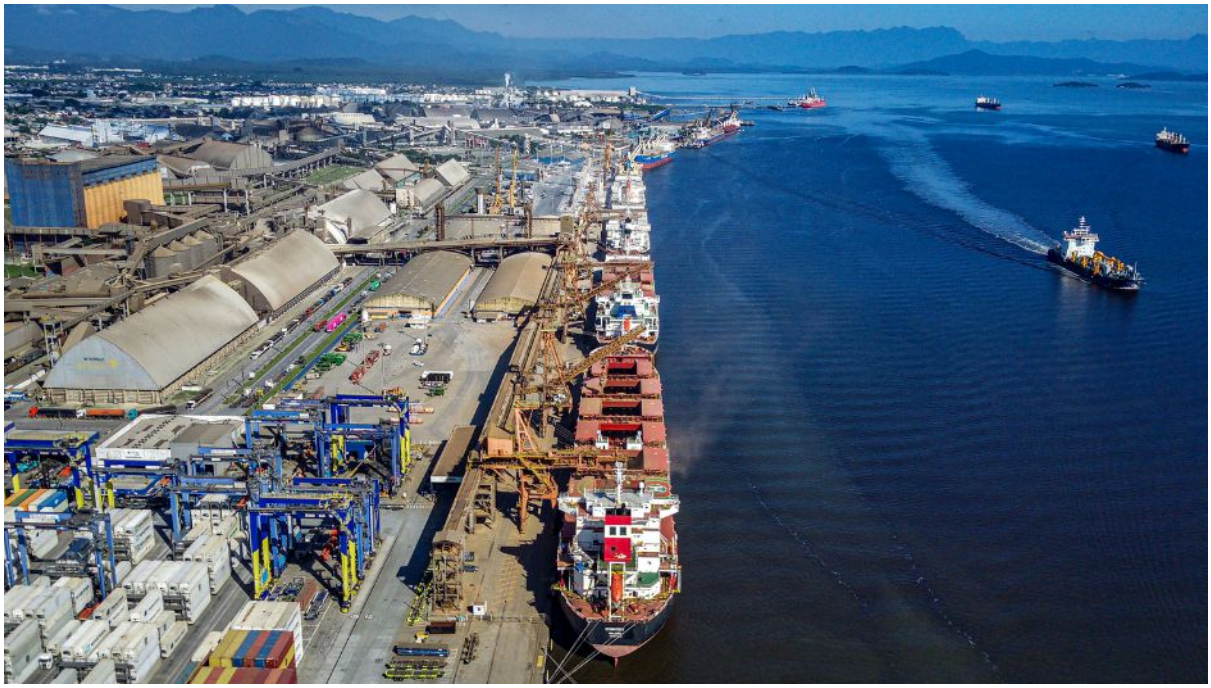

Photo: Claudio Neves

Cargill was the winner of the auction held today for the lease of the port area known as PAR15, in Paranaguá, in the state of Paraná. The region, which is home to the largest grain port in Latin America, had three of its terminals auctioned and is expected to receive significant investments in increasing capacity, modernizing structures and investing in logistics infrastructure.

The port terminal currently operated by Cargill has an area of ??43.279 m² and a storage capacity of 115 tons, distributed across four horizontal silos. Moving grains and soybean meal from road and rail transport, the unit currently has around 200 employees.

“Paranaguá is strategically located for the transportation of Brazilian grains and bran to different markets. We are very pleased to have won the auction and to have the guarantee that over the next 35 years we will continue to have the capacity under our management to serve our customers at both ends of the agricultural chain: rural producers, who need to take their products to consumer markets, and destination customers, who need food produced in Brazil,” explains Paulo Sousa, president of Cargill in Brazil and of the Agricultural Business in Latin America. “This year we celebrate 60 years of Cargill in Brazil and our relationship with the state of Paraná goes back a long way: our first plant in the country, in Ponta Grossa, has been in operation for 52 years and we have been

in the Port of Paranaguá for 35 years,” he adds.

The lessee will be responsible for improving the road reception system to serve at least 2,2 million tons per year, including the installation of four new scales and two new dump trucks by the fifth year of the contract. It will also be responsible for implementing new berths at "Pier T" and the structures for their operation.

Pioneering PortIn addition to the volumes handled, Paranaguá has stood out for the actions it takes to promote the sustainability of its operations. Ships considered “green” have priority to dock at the location, which was the destination of the maiden voyage of the Pyxis Ocean ship, chartered by Cargill, which is the first cargo ship to cross the oceans using wind

power to increase its energy efficiency and reduce the impact of carbon emissions.

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New generation of foliar fertilizers gains market share

By Daniel Sousa, Agrichem Nutritional Portfolio Manager

01.05.2025 | 11:03 (UTC -3)

Agriculture has seen significant progress in the adoption of new technologies, with a significant increase in the use of fertilizers.

The latest report from Mordor Intelligence predicts an average increase of 5% per year between 2025 and 2030, driven mainly by the growing need to increase agricultural productivity and meet global demand for food.

Within this context, concentrated suspension (SC) foliar fertilizers emerge as a cutting-edge solution to support producers in their search for high productivity and sustainability. But what makes this type of formulation so special – to the point of being classified as a premium technology – and how can it be a powerful ally in crop nutritional management?

SC fertilizers are liquid formulations that combine ultrafine solid nutrient particles

suspended in a stabilized aqueous base. Unlike conventional solid fertilizers, which can be challenging to apply, or traditional liquid formulations, which are limited in nutrient concentration, SCs offer an ideal combination of efficiency, ease of use and precision.

This technology uses stabilizing agents to ensure suspension uniformity, preventing nutrient decantation and ensuring homogeneous application. In addition, its water-based formula contributes to greater safety in handling, eliminating risks associated with flammable or toxic substances.

Practical and agronomic advantages of suspension concentrate technologies

Concentrated suspension fertilizers have attributes that set them apart from other formulations available on the market. Their high concentration of nutrients allows a smaller quantity of product to be transported and stored, reducing logistics costs. In the field, they ensure more precise application, minimizing losses and maximizing plant utilization.

One notable feature is the small size of the particles, generally between 4,5 and 5,5 micrometers, which facilitates both dispersion and absorption of nutrients by plants. This characteristic results in a better response from crops, especially at critical moments in the production cycle, such as vegetative development and fruit formation.

Impact on crops and agricultural management

Concentrated suspension nutrients are widely adaptable to different crops and application methods, and can be applied via foliar application or directly to the soil.

Vegetables, fruits, grains and even pastures have benefited from this technology. Foliar application promotes more uniform and vigorous growth, and soil application promotes robust root development.

The benefits are not limited to increased productivity; they also extend to the final quality of agricultural products. More uniform fruits, grains with higher specific weight, and greater plant resistance to environmental stresses and diseases are often observed in crops that use SC.

Why are SCs a strategic investment?

The combination of high efficiency, reduced losses and minimized environmental impact makes SC fertilizers a highly attractive investment for producers seeking to combine profitability and sustainability. To achieve the best results, it is essential that producers rely on the guidance of qualified agricultural engineers. These professionals can identify the most appropriate formulation for the crop, provide guidance on correct application and reinforce the importance of using products of good origin, registered with the Ministry of Agriculture, Livestock and Food Supply (MAPA). This care ensures the quality of the product, the ideal concentration of nutrients and micronutrients and, therefore, the high performance of the product and the good

return on investment.

With its agricultural vocation and vast potential, Brazil is positioned to consolidate itself as a global leader in the production of sustainable food. In this context, the adoption of more precise nutritional technologies emerges as an essential pillar to boost the sector. Concentrated suspension formulations stand out as an efficient and advanced management alternative, contributing to more productive and responsible agricultural practices.

It is with this vision that Brazilian industry, and companies like Agrichem, operate, investing heavily in research and development of solutions that support producers in their search for more

sustainable and high-performance agriculture. By providing access to cutting-edge technologies and specialized guidance, our country is moving forward on this more accessible and promising path, strengthening Brazil's role as a leader in innovation and sustainability in global agribusiness.

Per* **Daniel Souza*, Agrichem Nutritional Portfolio Manager*

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Kuhn Elite Planter Receives Gerdau 2025 Award

The planter was awarded as a Novelty in Agrishow Agricultura de Escala

01.05.2025 | 09:20 (UTC -3)

Tatiane Mizetti

Recently launched on the market, the Elite planter, from Kuhn do Brasil, has already

gained prominence: the machine was awarded during Agrishow 2025. The recognition came through the Gerdau Melhores da Terra Award, in the “New Agrishow Agriculture of Scale” category, which was presented during the event, in Ribeirão Preto (SP).

"Receiving this award from a company as well-established as Gerdau and in such a competitive environment is the certainty that we are doing a great job. Elite is focused on increasing productivity with the most advanced technology, as this is what makes the difference in the field, and it has everything it needs to be the great success of this positive year", comments José Carlos Bassetti, Product Marketing, After Sales and Parts Replacement Manager.

The Gerdau Best of the Land Award (PGMT) is one of the most renowned in the agro-industrial sector in the country, focusing on companies exhibiting at Agrishow 2025, which began on April 28 and will continue until May 02. The “Agrishow New Agricultural Scale” category highlights technological innovations or improvements that effectively contribute to agricultural production and productivity, to the population's quality of life and to the preservation of the environment.

The Elite planter is being officially launched at Agrishow 2025. Developed with a focus on meeting the needs of producers, the machine features cutting-edge technology to increase productivity. Among the equipment's innovations is the

self-transportability system, which allows it to be closed to 3,20 meters wide in less than 2 minutes, facilitating its transport through different areas of the property and, especially, on a platform.

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KF debuts at Agrishow and celebrates 30 years with new launches

The new products presented at the fair are the TG Campeira 41 lines, the Generalle CC 15 to 21 lines and the Granforce 33000 L

30.04.2025 | 15:20 (UTC -3)

Cultivar Magazine

KF is participating for the first time in Agrishow – the largest agricultural fair in

Brazil and one of the largest in the world – in a symbolic moment: the celebration of its 30th anniversary, celebrated in 2025. Created on May 3, 1995, in Cândido Godói (RS), the company marks the date with the launch of three new products.

The new products presented at the fair are the TG Campeira seeder, with 41 rows; the Generalle CC, with versions from 15 to 21 rows; and the Granforce 33000 L bulk trailer. According to KF, the launches reflect the brand's ongoing commitment to innovation, efficiency and high performance in the field.

“With these launches, we want to continue writing our history side by side with producers and farmers. KF is always looking for solutions that meet the needs of the field, and at Agrishow 2025, it would be no different”, says regional sales manager, Fernanda Albuquerque.

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The debut at Agrishow represents a new step in the company's trajectory, which seeks to expand its presence in the national and international market, strengthening the connection with rural producers and consolidating its operations in different regions of the country.

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LS Tractor presents new tractors at Agrishow 2025

Brand bets on versatility and innovation to serve large properties and small producers at the fair

30.04.2025 | 14:07 (UTC -3)

Cultivar Magazine, based on information from Kassiana Bonissoni

LS Tractor is presenting two major new products during Agrishow 2025, which

runs until May 2 in Ribeirão Preto (SP). The main launch is the MT4 70 tractor, aimed at producers of crops such as coffee, fruits, vegetables and tobacco. Manufactured in Brazil, the model combines robustness and agility, with a 62 hp LS Diesel engine, 32 forward and 16 reverse gears, as well as a super reduction gear, HD front axle and a lifting capacity of 1.655 kg. It will be offered in two versions: platform (ROPs) and with a factory cabin.

Nicknamed the “SUV of tractors,” the MT4 70 is designed for operations that require frequent maneuvers and promises greater efficiency and sustainability in the field. According to Felippe Vieira, commercial director of LS Tractor, the model represents a breakthrough in technology and innovation for the sector.

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Aimed at family farming, the MT2 27E is another highlight of the brand. With a 25 hp LS Diesel engine and synchronized transmission with 12 forward and 12 reverse gears, the model was developed for intensive use on small properties. It has a hydraulic system with an 820 kg lift – the largest in its category – and independent PTO with electro-hydraulic drive, providing operational comfort and fuel economy.

According to the company, the MT2 27E is ideal for horticulture, fruit growing, coffee plantations and also for activities such as fish farming, pig farming and livestock support. “We want to bring more quality,

technology and access to those who do not yet have access to modern machinery”, concludes Vieira.

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Famato brings field vision to the Fire Management Committee in MT

Federation reinforces the importance of prevention and brings field vision to the State Fire Management Committee in Cuiabá

30.04.2025 | 13:52 (UTC -3)

Vania Costa, edition of Cultivar Magazine

The Agriculture and Livestock Federation of Mato Grosso (Famato) participated in the 3rd ordinary meeting of 2025 of the State Fire Management Committee (CEGF-MT), held on April 29, in Cuiabá. The entity was represented by Dione Castro, analyst of Land and Indigenous Affairs.

During the meeting, strategies for preventing, preparing for and responding to forest fires were discussed, with the presence of representatives from the State Public Prosecutor's Office, the Fire Department and other institutions. Dione highlighted the importance of Famato's participation in the discussions: “We bring the perspective of those in the field and contribute with guidance to producers on environmental legislation and good

practices.”

The program included a presentation by the UFMT Center for Research and Studies on Disasters, discussions on ongoing actions and training on the use of the Fire Panel Platform, developed by Censipam. The committee seeks to integrate agencies and sectors to reduce environmental damage and losses to society.

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ZF celebrates 40 years with launches at Agrishow 2025

TSA Narrow combines drivability, fuel economy and reduced impact on crops

30.04.2025 | 10:42 (UTC -3)

Marta de Souza, edition of Cultivar Magazine

ZF is participating in Agrishow 2025 with a series of new products for the agricultural

sector, with the highlight being the launch of the TSA Narrow steerable front axle. Developed in Brazil, at the company's Global Competence Center in Sorocaba (SP), the component was designed for tractors up to 105 HP and especially meets the demands of fruit and coffee growing.

The TSA Narrow has a reduced track, which allows operation between crop rows without causing damage to the plants, ensuring better use of the planted area and contributing directly to increased productivity. The new axle follows the quality standard of the TSA family, with a three-part housing, high modularity, 55° steering angle, 45% limited slip differential and optimized design that contributes to reduced fuel consumption.

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The company is also celebrating two important milestones in its history in Brazil: 40 years of domestic axle production and the manufacture of 700 units at the Sorocaba plant (SP). According to Silvio Furtado, vice president of ZF South America, these figures reflect the company's continued investment in local engineering, with field presence and customized solutions for Brazilian rural producers.

At the 300 m² stand, ZF will also be presenting a complete line of solutions for agribusiness, including the TSA23 axle, with a reversible gauge kit to meet the needs of sugarcane crops, and the TPT 20 transmission, developed for tractors up to 205 HP, with emphasis on the Intelligent Range Shift function and operation at up to 50 km/h with low engine speed.

Among the innovations, the company is also exhibiting for the first time in Brazil the eTrac, an electric auxiliary drive that improves the traction of implements, in addition to new hydraulic and pneumatic solutions for agricultural and construction machinery. Systems such as electro-hydraulic brakes, compressors and electronic suspension control reinforce ZF's commitment to the safety, durability

and efficiency of field operations.

ZF is also expanding its connectivity and digitalization operations with technologies such as Scalar EVOPulse, which is designed for trailer telemetry, and SmartBoard, an electronic dashboard that allows drivers to monitor data such as axle load and maintenance alerts. In the commercial vehicle segment, the company is introducing the TraXon automated

transmission and complete air management solutions.

With a portfolio that ranges from field production to transport logistics, ZF reaffirms its role as a global supplier of technological solutions for agribusiness and highlights the leading role of Brazilian engineering in creating increasingly efficient and sustainable products.

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Abitrigo announces new president of the Deliberative Council

Daniel Kümmel takes over the entity for the three-year period 2025-2028

30.04.2025 | 10:15 (UTC -3)

Ana Flávia Gimenes, edition of Cultivar Magazine

The Brazilian Wheat Industry Association (Abitrigo) announces the election of Daniel

Kümmel as the new president of the entity's Deliberative Council, for the three-year period 2025-2028.

With three decades of experience in the sector, Kümmel is the third generation of a family of millers and currently holds the position of CEO at Moinho Arapongas.

Graduated in Administration, he presided over the Wheat Industry Union in the State of Paraná (Sinditrigo-PR) for 10 years, a period in which he played a strategic role in important issues for the milling chain in the state and nationwide.

As chairman of the Board of Directors, Kümmel states that he will continue Abitrigo’s serious and responsible work, focused on strengthening the competitiveness of the national milling

sector. “We have major challenges ahead, both in the domestic and international markets. I will work with the vice-chairman, Junior Gervásio Justino, and the entire Board of Directors so that Abitrigo continues to be a reference in defending the interests of the sector, promoting actions that value the industry and its relevance in food security”, he concludes.

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Syngenta Group announces Q1 2025 results

Group recorded increase in profits with recovery in Crop Protection and focus on higher value-added products

30.04.2025 | 10:08 (UTC -3)

Syngenta Group, Cultivar Magazine edition

Syngenta Group reported its results for the first quarter of 2025, highlighting an 18%

increase in EBITDA, which reached US$ 1,4 billion, despite a slight 1% decrease in total sales, which totaled US$ 7,3 billion. At constant exchange rates, sales growth was 3%. The improvement in profitability was driven mainly by the recovery in the Crop Protection segment and the continuation of strategies focused on higher value-added products.

Q1 2025

	Q1 2025	Q1 2024	Change	Change (CER)
	$bn	$bn	%	%
Syngenta Group	**7.3**	**7.4**	**-1%**	**3%**
Syngenta Crop Protection	3.4	3.2	5%	11%
ADAMA	1.0	1.1	-5%	-3%
Syngenta Seeds	1.4	1.4	-2%	1%
Syngenta Group China	2.5	2.6	-6%	-5%
Eliminations	-1.0	-0.9	n/a	n/a

Sales by business units

Crop Protection sales grew 5% to US$3,4 billion, with growth in North America, where the market has normalized after the

pandemic, and in China. Technologies such as Adepidyn, Plinazolin and Tymirium contributed to the good global performance. Syngenta Biologicals also recorded strong growth, especially in North America and China.

Adama saw a 5% drop in sales, but recorded its fourth consecutive quarter of growth in adjusted EBITDA, reflecting progress in its “Fight Forward” transformation plan. The Seeds unit reported sales of US$1,4 billion, a 2% decline, partially offset by growth in China (18%) and in the Vegetables and Flowers division (4%).

Syngenta Group Summary Financials

Q1 2025

	Q1 2025	Q1 2024	Q1 2025	Q1 2024
	$bn	$bn	¥bn	¥bn
Sales	**7.3**	**7.4**	**52.3**	**52.2**
Syngenta Crop Protection	3.4	3.2	24.1	22.7
ADAMA	1.0	1.1	7.2	7.5
Syngenta Seeds	1.4	1.4	9.8	10.0
Syngenta Group China	2.5	2.6	18.0	18.8
Eliminations	-1.0	-0.9	-6.8	-6.8
EBITDA	**1.4**	**1.2**	**10.4**	**8.7**

Syngenta Group China reported a 6% drop in total sales, but saw growth in its Seeds (19%) and Crop Protection (9%) businesses. According to the statement, the decline in revenue reflects the group's strategy of focusing on higher-margin products and lower exposure to grain trading operations.

The group also highlighted advances in innovation, such as the launch of Durastak technology for corn in the US, the

construction of R&D centers in India and Guatemala and new regulatory registrations for pesticides in several countries.

The company ended the quarter with an improvement in its EBITDA margin (19,9%) and cash flow, signaling positive expectations for the coming months.

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Famato proposes standardization in soybean classification

Federation participated in the 65th Ordinary Meeting of the Sector Chamber, in Brasília (DF)

30.04.2025 | 09:42 (UTC -3)

Vania Costa, edition of Cultivar Magazine

The Mato Grosso Agriculture and Livestock Federation (Famato) presented

a proposal to standardize the soybean classification, conference and arbitration processes, during the 65th Ordinary Meeting of the Soybean Production Chain Sector Chamber, held in Brasília (DF).

According to Famato's Agriculture Analyst, Alex Rosa, the initiative seeks to ensure greater legal certainty, transparency and balance in relations between producers, industries and warehouses. The proposal was structured in three stages: mandatory issuance of a technical report upon delivery of the product; possibility of counter-evidence in case of disagreement; and final arbitration, with the support of the federation and the Ministry of Agriculture, if the conflict persists.

The creation of a National Arbitration Chamber for Grain Classification was one of the approaches discussed, in addition to the review of Normative Instruction No. 11/2007 and updates to Law No. 9.972/2000, which deals with the classification of plant products.

Famato's proposal was recognized as an important step forward in avoiding legal action and strengthening trust between the links in the chain.

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Baldan signs partnership to expand credit in the field

Desenvolve SP joins public-private efforts to facilitate the acquisition of agricultural machinery and implements

30.04.2025 | 09:27 (UTC -3)

Juliana Gusmão, edition of Cultivar Magazine

Baldan is the first company in its segment to enter into a partnership with Desenvolve

SP, the development agency of the Government of the State of São Paulo. The initiative is part of the new credit line officially launched during Agrishow 2025, which aims to facilitate the acquisition of agricultural machinery and implements.

The Agro Máquinas line has a term of up to 60 months and pre-fixed rates starting at 12,81 per year. Producers can finance up to 80% of the asset in the Desenvolve SP program. “After a 2024 retraction, when the combination of crop failure and falling commodity prices reduced producers' investment capacity, the agricultural machinery market is beginning a recovery cycle,” says Baldan CEO Fernando Capra (pictured).

The new program will allow manufacturers, distributors and resellers of machinery

selected by Desenvolve SP to refer their customers to obtain state financing. With competitive interest rates and differentiated payment terms, the line promises to be an important driver for the modernization of the agricultural fleet in São Paulo and nationwide.

“Another relevant point is that Baldan's service portfolio fits perfectly into this financing line, allowing the producer to acquire equipment aimed at soil preparation, planting and spraying", highlights Wolney Netto, CFO of Baldan.

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Marini's hydrostatic 4x4 traction debuts at Agrishow 2025

System with Poclain engines and intelligent drive improves traction and reduces wear on harvesters

29.04.2025 | 17:07 (UTC -3)

Marini, edition of Cultivar Magazine

At Agrishow 2025, in Ribeirão Preto (SP), Marini presents its new Hydrostatic 4x4

Traction system, developed to increase the strength, control and efficiency of harvesters in challenging terrain.

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The technology integrates Poclain wheel motors and an intelligent drive system, which increase traction, reduce component wear and extend the life of the machines. Compatible with all harvester models, the solution reinforces the company's focus on performance and innovation.

“Participating in Agrishow is reaffirming our commitment to the progress of Brazilian agriculture. We are here to present solutions that deliver real results to

producers,” says Eduardo Marini, the company’s marketing manager.

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Brazil leads new phase of Bayer's digital agriculture

With integration of solutions and exclusive regional development, the company is betting on the country to boost productivity in the field

29.04.2025 | 16:13 (UTC -3)

Cultivar Magazine

Brazil has taken on a strategic role in Bayer's new phase of digital agriculture.

The multinational presented its vision during Agrishow 2025. The country, the world's largest producer of soybeans and largest exporter of cotton, will be a driver of technology growth in the agricultural sector.

The Climate FieldView platform stands out as part of a complete agronomic solution. The proposal is to transform data into intelligence to maximize the potential of producers' investments.

“Even with access to innovation, farmers need tools that solve real crop problems,” said Abdalah Novaes, leader of digital agricultural solutions at Bayer in Latin America.

Among the highlights, the Bayer Valora Corn program integrates Climate

FieldView data analysis with Bayer hybrids. The initiative offers personalized recommendations for seed selection and nitrogen application. In the 2024/2025 summer harvest, 80% of participants recorded an average increase of 7,8 bags per hectare.

The success of Valora Corn has led to the creation of Bayer's first regional development team in the world, dedicated exclusively to Brazil. The goal is to accelerate the adaptation of technologies to local conditions.

Other innovations are also making progress in the country. Bayer Directo Nematode, Barter+, FieldView Advisor and PRO Carbono expand the range of digital solutions focused on sustainability, productivity and profitability. Company

data shows that producers who use Bayer digital tools achieve 30% higher productivity in corn and 20% higher in soybeans, compared to the national average of Conab.

Bayer also announced recent enhancements to Climate FieldView, including a new activity timeline, enhanced reporting and field collaboration capabilities. The company will soon launch FieldView Drive 2.0, which promises up to 12 times faster operations and greater security when mapping agricultural data.

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BASF executive leads CropLife Latam board

Sergi Vizoso-Sansano advocates innovation and a firm stance to combat illegal trade in agricultural inputs

29.04.2025 | 15:44 (UTC -3)

Roberta Silveira, edition of Cultivar Magazine

Sergi Vizoso-Sansano, Senior Vice President of BASF Agricultural Solutions in Latin America, assumed the presidency of

the Board of Directors of CropLife Latin America during the entity's annual convention, held in Santiago, Chile.

Upon taking office, the executive defended innovation as a central axis for sustainable agricultural development and highlighted the importance of combating the illegal trade of inputs, which can represent up to 20% of the market in the region. He also mentioned challenges such as climate change, biodiversity protection and trade barriers, and reinforced the entity's commitment to initiatives such as the global Sustainable Farming in Action program.

Vizoso-Sansano replaces Ronaldo Pereira, FMC's global president, who has held the position since 2022.

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Conab predicts a 2% drop in the 2025/26 sugarcane harvest

Estimated production is 663,4 million tons; productivity is also expected to decline

29.04.2025 | 10:07 (UTC -3)

Conab

The 2025/26 sugarcane cycle has an estimated production of 663,4 million tons, a volume 2% lower when compared to that

obtained in the last season. The area destined for the crop remains relatively stable in relation to 2024/25, with a slight increase of 0,3% reaching 8,79 million hectares. The average productivity of sugarcane fields is estimated at 75.451 kilos per hectare, a drop of 2,3% when compared to the last harvest. This reduction is due to unfavorable weather conditions during the development phases of the crops in 2024. The data are in the 1st Survey of the Sugarcane Harvest 2025/26 released this Tuesday (29) by the National Supply Company (Conab).

The expected drop in the harvest for the Southeast region, the main producing region of the crop, affected the reduction in national production. In the region, a drop in the sugarcane harvest in this cycle of 4,4%

when compared to the 2024/25 harvest, totaling 420,2 million tons. The region recorded unfavorable weather conditions during the development of the crops, especially in São Paulo, where, in addition to low rainfall and high temperatures, fires were recorded, which affected part of the sugarcane fields. This scenario negatively influenced the average productivity by 3,3%, estimated at 77.573 kg/ha. In addition to the lower crop performance, Conab also estimates a reduction in the harvested area.

In the Central-West, the second largest sugarcane producing region in the country, the estimated production for this harvest is 148,4 million tons. This volume represents a 2,1% increase over the 2024/25 cycle, influenced by the 3,4% increase in the

cultivated area, reaching 1,91 million hectares. This increase offsets the expected loss in average productivity of 1,2%, projected at 77.574 kilos per hectare, resulting from less favorable weather conditions during the development phase of the crops.

In the South region, productivity tends to remain stable, around 69 thousand kilos per hectare. The area should show an increase of 2,3%, reaching 497,1 thousand hectares, which results in a production of 34,4 million tons.

In the Northeast of the country, where crops are in the growth phase with harvesting expected to begin in August, the increase in area and the expectation of better productivity should increase production by 3,6%, with an expected

harvest of 56,3 million tons.

A similar scenario is found in the North region. The expectation of a larger area destined for the sugarcane sector and improved productivity, estimated at 82.395 kg/ha with the favorable climate factor, points to a production of 4,2 million tons of sugarcane.

Byproducts – Even with the reduction in the sugarcane harvest in the current cycle, the expectation is for an increase in sugar production, which could reach 45,9 million tons. If the volume is confirmed at the end of the cycle, this will be the largest production of the product in Conab's historical series.

On the other hand, ethanol production, including sugarcane and corn byproducts,

is expected to fall by 1% compared to the previous harvest, estimated at 36,82 billion liters. When only the fuel produced by crushing sugarcane is analyzed, the decrease reaches 4,2%, influenced by the lower harvest estimate for the raw material. This drop is offset by the increase in ethanol production from corn, which is expected to increase by 11%.

TABELA 1 - ÁREA, PRODUTIVIDADE E PRODUÇÃO DE CANA-DE-AÇÚCAR

Região/UF	ÁREA (Em mil ha)			PRODUTIVIDADE (Em kg/ha)			PRODUÇÃO (Em mil t)		
	Safra 2024/25	Safra 2025/26	VAR. %	Safra 2024/25	Safra 2025/26	VAR. %	Safra 2024/25	Safra 2025/26	VAR. %
NORTE	**49,6**	**51,0**	**2,9**	**81.481**	**82.395**	**1,1**	**4.040,0**	**4.205,5**	**4,1**
AM	3,8	3,8	-	91.382	83.665	(8,4)	351,0	321,4	(8,4)
PA	16,7	16,7	-	78.511	79.575	1,4	1.312,0	1.329,8	1,4
TO	29,0	30,5	5,0	81.881	83.780	2,3	2.377,0	2.554,4	7,5
NORDESTE	**897,5**	**915,7**	**2,0**	**60.570**	**61.502**	**1,5**	**54.362,0**	**56.314,9**	**3,6**
MA	29,3	29,3	0,1	73.287	73.879	0,8	2.145,6	2.164,6	0,9
PI	20,2	21,5	6,5	55.382	57.132	3,2	1.120,0	1.230,3	9,9
RN	79,0	81,6	3,2	51.784	52.131	0,7	4.092,8	4.253,6	3,9
PB	127,3	127,1	(0,2)	58.803	60.087	2,2	7.486,6	7.635,5	2,0
PE	234,6	242,0	3,2	58.770	60.535	3,0	13.786,5	14.648,0	6,2
AL	295,1	292,5	(0,9)	60.268	60.855	1,0	17.783,3	17.799,2	0,1
SE	44,1	44,8	1,6	46.453	46.703	0,5	2.049,9	2.094,1	2,2
BA	67,9	76,9	13,2	86.895	84.437	(2,8)	5.897,5	6.489,5	10,0
CENTRO-OESTE	**1.850,0**	**1.912,5**	**3,4**	**78.540**	**77.574**	**(1,2)**	**145.300,3**	**148.363,9**	**2,1**
MT	205,9	218,0	5,9	84.719	83.273	(1,7)	17.443,1	18.152,6	4,1
MS	674,4	693,8	2,9	73.071	71.243	(2,5)	49.278,0	49.426,6	0,3
GO	969,7	1.000,8	3,2	81.031	80.722	(0,4)	78.579,2	80.784,7	2,8
SUDESTE	**5.483,1**	**5.416,7**	**(1,2)**	**80.181**	**77.573**	**(3,3)**	**439.642,7**	**420.188,9**	**(4,4)**
MG	986,7	1.023,8	3,8	82.858	80.550	(2,8)	81.756,3	82.468,5	0,9
ES	48,2	55,7	15,6	55.548	56.561	1,8	2.676,9	3.151,2	17,7
RJ	35,0	35,0	-	47.454	47.446	-	1.662,0	1.661,7	-
SP	4.413,2	4.302,1	(2,5)	80.112	77.382	(3,4)	353.547,4	332.907,5	(5,8)
SUL	**486,1**	**497,1**	**2,3**	**69.148**	**69.137**	**-**	**33.614,0**	**34.365,0**	**2,2**
PR	486,1	497,1	2,3	69.148	69.137	-	33.614,0	34.365,0	2,2
NORTE/NORDESTE	**947,1**	**966,7**	**2,1**	**61.665**	**62.605**	**1,5**	**58.402,0**	**60.520,4**	**3,6**
CENTRO-SUL	**7.819,2**	**7.826,3**	**0,1**	**79.107**	**77.038**	**(2,6)**	**618.557,0**	**602.917,8**	**(2,5)**
BRASIL	**8.766,3**	**8.793,0**	**0,3**	**77.223**	**75.451**	**(2,3)**	**676.959,1**	**663.438,3**	**(2,0)**

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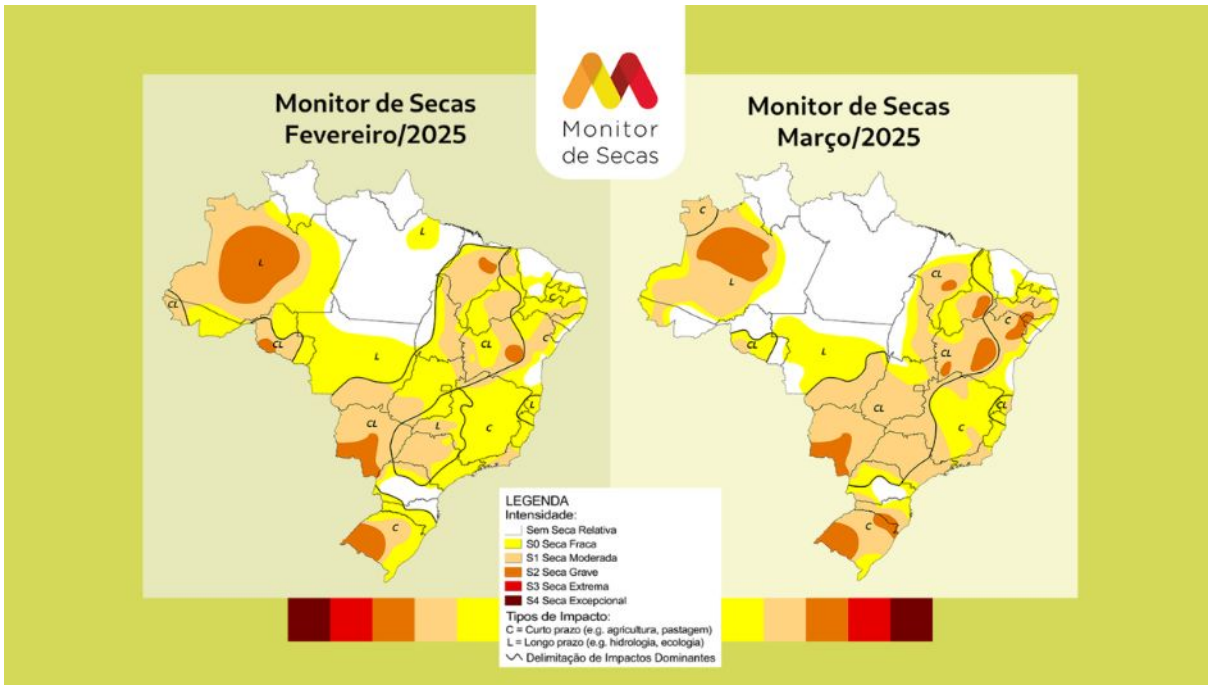
Drought advances in the South, Southeast and Northeast, says Monitor

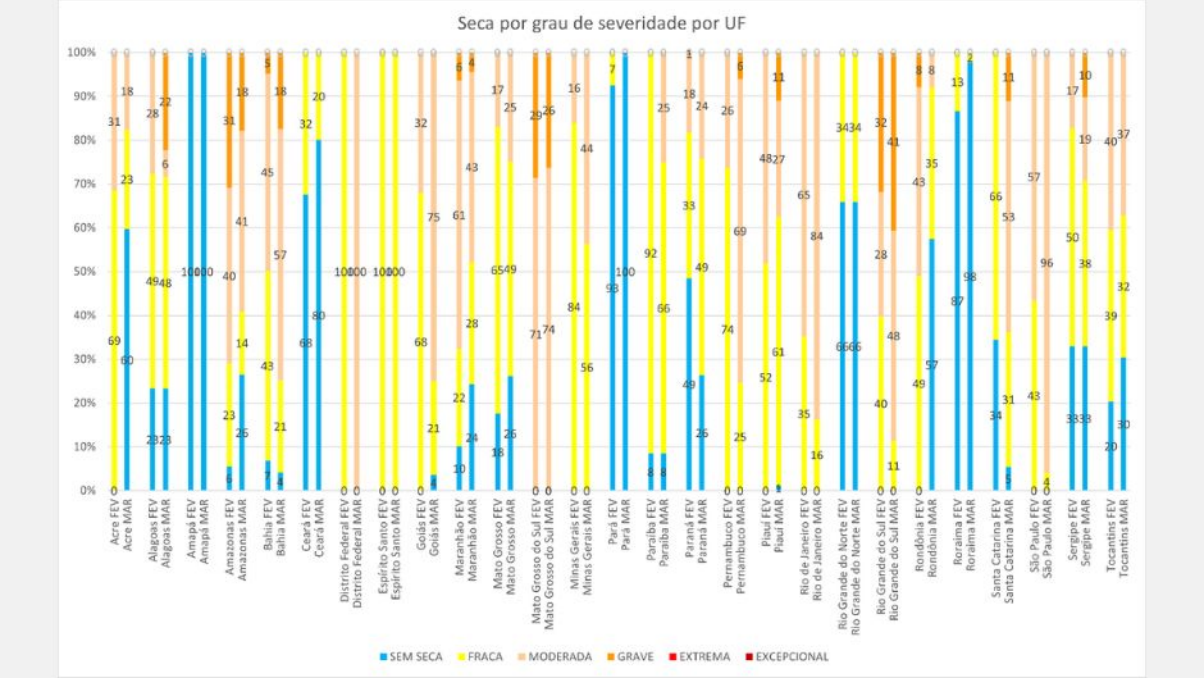
Despite the reduction in the total area affected, drought intensified in 15 states in March; RS had the worst condition in the country

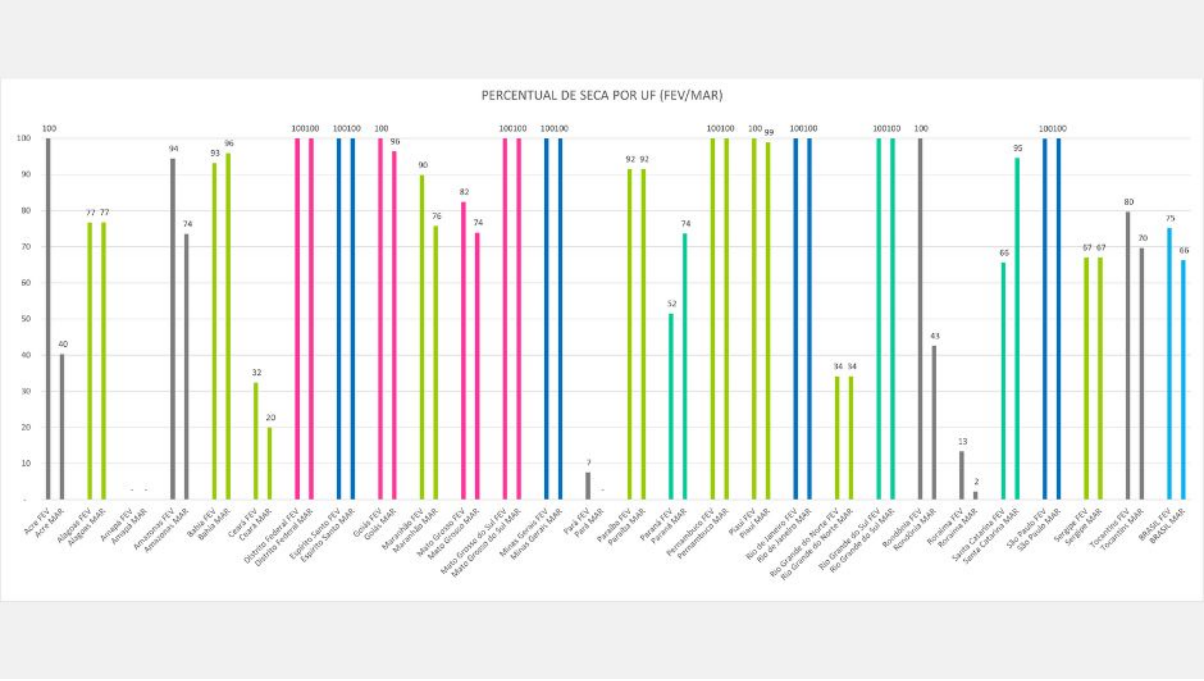
29.04.2025 | 09:13 (UTC -3)

Cultivar Magazine, based on information from ANA

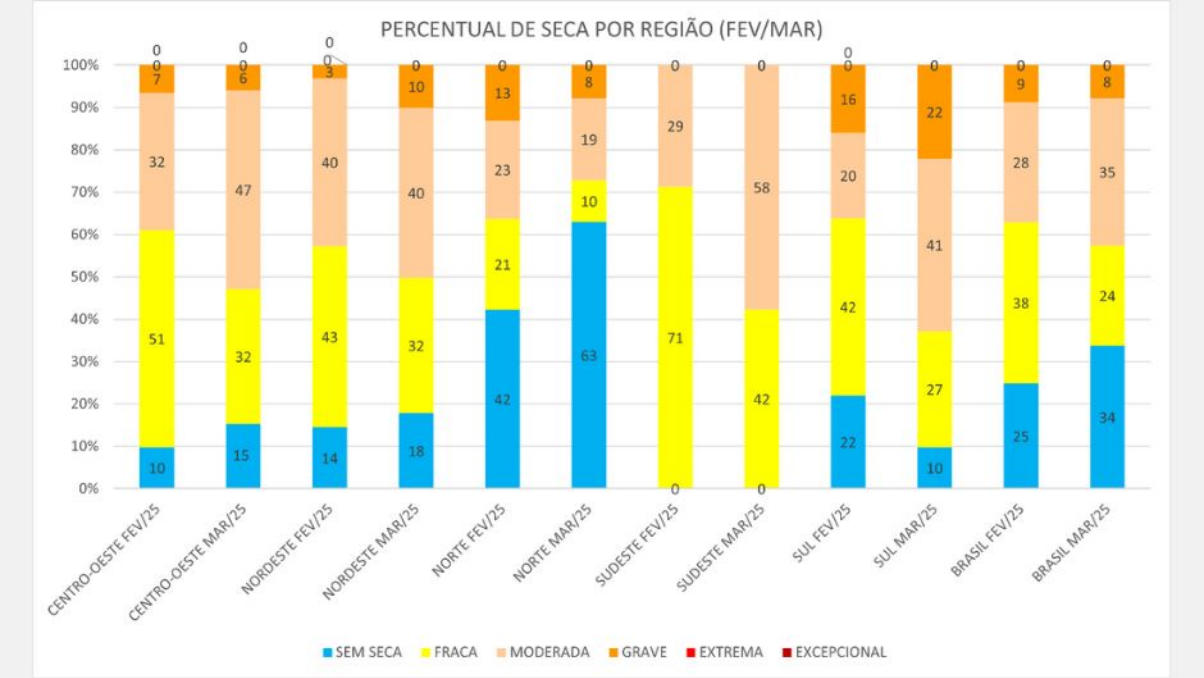


The latest update of the Drought Monitor reveals that, between February and March 2025, the phenomenon intensified in the South, Southeast and Northeast regions, while it slowed down in the North and Central-West of the country. Despite the intensification of the drought in several locations, the total area affected fell from 6,36 million to 5,59 million km², equivalent to 66% of the national territory.

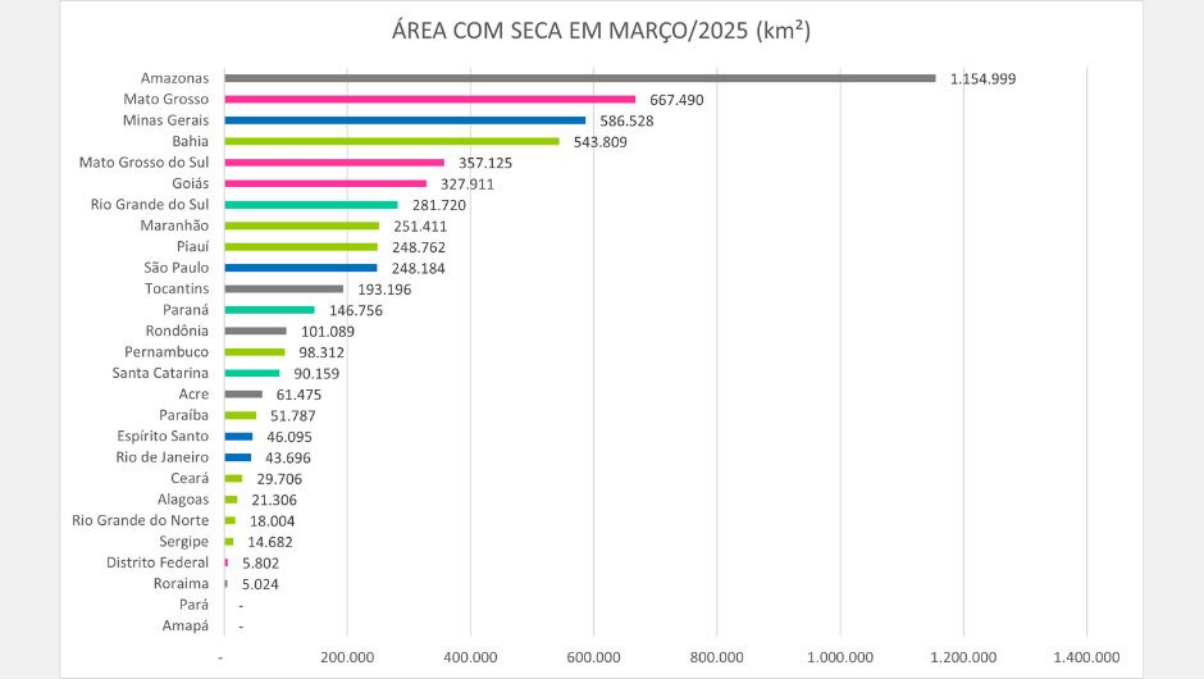




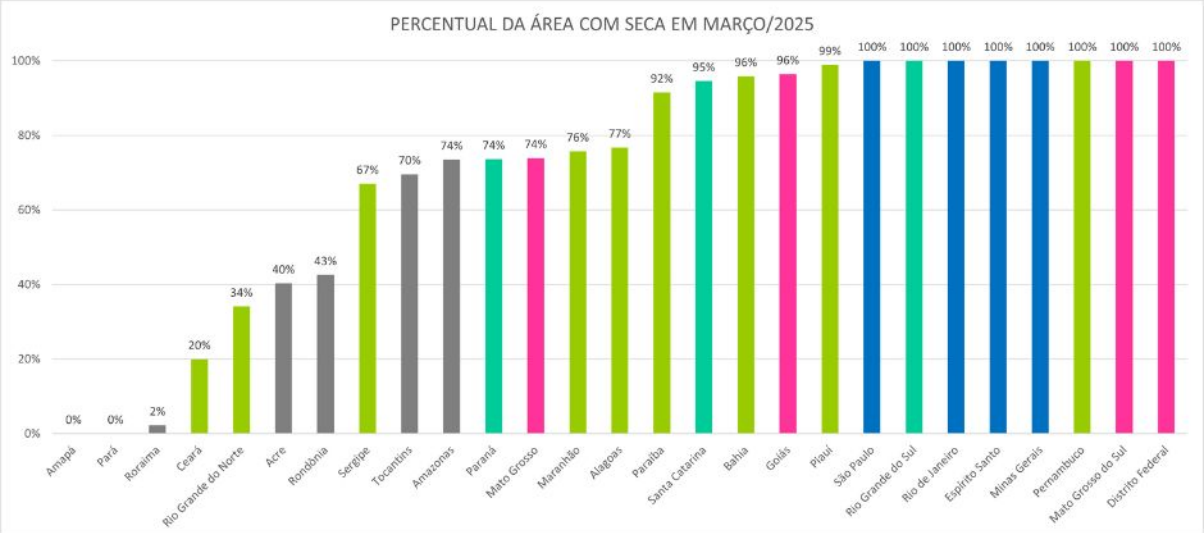
The survey shows that drought has increased in 15 states of the Federation, including Bahia, Minas Gerais, São Paulo, Rio de Janeiro, Goiás and Paraná. On the other hand, there was a reduction in the affected area in 10 states, such as Amazonas, Rondônia, Ceará and Mato Grosso. Another 12 states remained stable. Amapá and Pará remained free of the phenomenon in March.



The Southeast had drought recorded in 100% of its area, but with less severity compared to other regions. The South presented the most worrying scenario, with 22% of its territory under severe drought. Rio Grande do Sul leads the worst condition in the country, with 41% of its territory under severe drought — the highest rate since June 2023.



Among the most affected states in terms of area, the following stand out: Amazonas, Mato Grosso, Minas Gerais, Bahia and Mato Grosso do Sul. In total, eight states of the Federation recorded drought throughout the territory: Federal District, Espírito Santo, Mato Grosso do Sul, Minas Gerais, Pernambuco, Rio de Janeiro, Rio Grande do Sul and São Paulo.



The drought is intensifying despite above-average rainfall in some states, such as Pará. The Monitor continuously monitors the severity of droughts in Brazil based on indicators of the phenomenon and the impacts caused in the short and/or long term. Short-term impacts are for recent rainfall deficits of up to six months.

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Bayer announces change in global CFO

Guru Ramamurthy takes over as CFO of Crop Science from July, following the departure of Oliver Rittgen

29.04.2025 | 08:53 (UTC -3)

Bayer, Cultivar Magazine edition

Effective July 1, 2025, Guru Ramamurthy (pictured) will become the new Chief Financial Officer (CFO) of Bayer’s Crop

Science division, replacing Oliver Rittgen, who is leaving the company after 25 years. Ramamurthy has been with Bayer since 2001 and currently serves as CFO of Bayer USA.

Throughout his career, he has held several financial leadership positions in countries such as Germany, Italy, Japan and the United States. He was also CFO of AskBio and its Medical Care division. He will be based in St. Louis, Missouri, and his successor in the U.S. will be announced at a later date.

According to Rodrigo Santos, president of the Crop Science division, Ramamurthy has a solid track record of leading transformations. “I look forward to working with him to shape the future success of our business,” he said.

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New grain sorghum exceeds six tons per hectare

BRS 3002 combines broad regional adaptation and sustainability, with disease resistance and tolerance to climatic stresses

28.04.2025 | 18:00 (UTC -3)

Sandra Brito

Embrapa Milho e Sorgo (MG) and Latina Seeds are launching the BRS 3002 grain

sorghum hybrid on the market, under the trade name LAS3004G. This new cultivar stands out for its precocity and stability for planting in the second harvest, which guarantees greater safety for the producer. In addition, it has a productivity potential of more than six tons per hectare, higher than the national average production per hectare.

The new sorghum is recommended for regions that are already consolidated in the cultivation of this crop, such as the Central West (Federal District, Goiás, Mato Grosso and Mato Grosso do Sul), Northeast (Alagoas, Bahia, Ceará, Maranhão, Paraíba, Pernambuco, Piauí) and Southeast (Espírito Santo, Minas Gerais, Rio de Janeiro and São Paulo).

Launch

Sorghum BRS 3002, commercial name LAS3004G, will be launched on May 5, 2025, at 13:30 p.m., during the 16th Technological Integration Week (SIT). The event is part of the Journey for Climate, an Embrapa initiative that aims to promote science and sustainable practices in the year in which Brazil hosts the UN Conference on Climate Change (COP30), in November, in Belém (PA).

With the theme “Opportunities and challenges for the expansion of sustainable agriculture”, SIT takes place from May 5 to 9 in Sete Lagoas, Minas Gerais, and brings together entities with the aim of promoting sustainable rural

development.

“In addition to its yield level, which ensures its competitiveness in the market, BRS 3002 (LAS3004G) is highly resistant to anthracnose, helminthosporium and cercosporium disease,” says researcher Cícero Menezes. Using more resistant cultivars is the most efficient way to control diseases, since it combines advantages, such as being economical and selective, and not leaving residues that are harmful to the environment or the product. In this way, it contributes to the sustainability of production.

Menezes also highlights the average height of the plant, which is 130 centimeters, and the red color of the grains.

commercial production

Embrapa and Latina Seeds are already partners in several areas of activity focused on developing new products for the agricultural market. The launch of the new sorghum cultivar is yet another result in this regard. According to Willian Sawa, co-owner of Latina Seeds, “the grain sorghum hybrid aims to meet the needs of a market that seeks stability and safety in its production. Sorghum itself is already resilient in the face of adverse weather conditions and pests, but this hybrid, in particular, has characteristics that producers seek in terms of precocity and production stability,” he emphasizes.

Sawa states that grain sorghum has traditionally been used by the feed industry, but with this new cultivar, a new front has opened up with the use of sorghum grain for the production of ethanol and DDG (Dried Distillers Grains) and WDG (Wet Distillers Grains), which are by-products of the production of this biofuel, obtained from the fermentation of grains. “This new niche is gaining strength in regions where corn has a limited planting window, such as in the states of Mato Grosso do Sul, Maranhão, Piauí, Tocantins, Bahia, Alagoas and Sergipe. Considering the precocity and stability of BRS 3002 (LAS3004G), the expectation is that it will have good acceptance”, he adds.

Sawa also reports that pre-commercial areas of this hybrid were established from Rio Grande do Sul to Maranhão and from Rondônia to Alagoas, and the results prove its broad adaptability and stability.

“BRS3002 (LAS3004G) will be sold in packages of 500 seeds. The recommended amount per hectare is 200 to 220 seeds, depending on the region, season and investment. In other words, one bag will be enough to plant 2,27 to 2,5 hectares,” explains Sawa. The seeds will reach the production sector after receiving an Industrial Seed Treatment (IST), a process that protects them before planting, including the antidote for the application of the herbicide S-Metalachlor. “This means that we will be offering the market materials with high-potential genetics,

associated with the best technologies available on the market," he says.

Latina Seeds producer and partner Darlan Niedermeyer, based in Palotina, Paraná, and who in addition to being a producer in the states of Paraná and Mato Grosso do Sul, also works as a consultant in the region, reports on his experiences with BRS3002 (LAS3004G) in these last harvests.

"What I liked most about the cultivar is its precocity and stability. It is an early-cycle material for our region, with 120 days to harvest. We were able to harvest a planted area in that time. We saw that it did not show any spots and withstood the drought in western Paraná and southern Mato Grosso do Sul well. The hybrid performed

well in the first neighboring areas, enabling a harvest of 100 bags per hectare. This shows that it has potential and adaptability to different areas. As for health, it appears to be quite robust," says Niedermeyer.

Consultant Paulo Ferreira, from Naviraí (MS), was amazed at the recovery of this sorghum after going through a period of abiotic stress. "It is a material that delivers its productive potential even in extreme situations and adapts well to the climate and type of soil we have. We went through intense heat and the material is beautiful and green. Even with the drought, it delivered over 50 bags per hectare," says Ferreira.

Sorghum in Brazil and in the world

Sorghum is the fifth most widely planted cereal in the world, after corn, wheat, rice and barley. In recent years, the crop has been expanding in Brazil, placing the country among the five largest producers of the grain in the world. “This expansion in recent harvests, especially in the second

crop, is mainly due to two factors: the market demand for bioethanol and feed, and the climatic instability of the second harvest. Sorghum is more tolerant to drought, and has a larger planting window in the second crop," says Embrapa agronomist Frederico Botelho.

In recent harvests, the national area of ??sorghum has increased considerably, going from 864,6 thousand hectares in the 2020/21 harvest to 1,46 million hectares in the 2023/24 harvest, with growth in already consolidated areas such as Goiás and Minas Gerais, and with an increase in new regions that are not very traditional for the crop, such as Matopiba, Mato Grosso do Sul, Distrito Federal, and Paraná.

Sorghum has several uses, being most used in Brazil for animal feed, being able to replace corn 100% in poultry, pig and cattle feed, but its use has also expanded in human food, in the generation of bioenergy and biofuel.

Launch and Climate Journey: towards COP30

The new grain sorghum hybrid is a technology that boosts quality grain production in regions with water restrictions, which is an important characteristic of sorghum cultivation. In addition, its resistance to major diseases contributes to the sustainability of

agricultural production.

Therefore, the launch of the cultivar takes place during the 16th Technological Integration Week (SIT), an event that is part of Embrapa's official calendar of actions in the Climate Journey of the 30th UN Conference on Climate Change (COP 30).

Technological Integration Week is organized by Embrapa Corn and Sorghum, in partnership with the Faemg System (Faemg, Senar, Inaes and Trade Unions), the Technical Assistance and Rural Extension Company of the State of Minas Gerais (Emater-MG), the Agricultural Research Corporation of Minas Gerais (Epamig) and the Federal University of São João del Rei (UFSJ). The event is

supported by Embrapa units in other regions of Brazil, private companies, cooperatives and foundations.

SIT is a great opportunity to update knowledge, exchange experiences, establish negotiations and partnerships.

The head of Technology Transfer at Embrapa Corn and Sorghum, Sara Rios, highlights that the sorghum hybrid BRS 3002 brings a great competitive advantage as a Brazilian genetics with wide adaptation (Southeast, Central-West and Northeast), in addition to the precocity of the cultivar, which is very relevant for the short cultivation windows in the second harvest, considering the specificities, challenges and also opportunities in the Brazilian grain production system.

The hybrid was developed in an open innovation partnership with Latina Seeds, enabling the commercial availability of a new cultivar for grain sorghum producers, with productivity gains. “The launch at SIT is part of a strategic program for Brazil and the world, with visibility as a pre-COP30 event in the Climate Journey, in addition to a technical program on May 8, dedicated to sorghum cultivation, with the theme “Opportunities for sorghum production in Brazil: food, nutrition and energy in the new national production matrix”.

Where to find new grain sorghum

The new sorghum cultivar BRS 3002 (LAS3004G) can be purchased from Latina

Seeds, via WhatsApp (34) 99189 0001 or on the Latina Seeds website (https://www.latinaseeds.com.br/).

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Syngenta expands use of Invict fungicide for sugarcane

Product that was already used in coffee now acts in the control of diseases such as Sugarcane Wilt Syndrome

28.04.2025 | 16:50 (UTC -3)

Tárcila Galdino, edition of Cultivar Magazine

Syngenta's fungicide Invict can now also be used in sugarcane crops. Previously

authorized only for coffee, the product has been registered for the management of fungal diseases in sugarcane fields, especially Sugarcane Wilt Syndrome (SMC), caused by fungi such as *Pleocyta sacchari*, *Colletotrichum falcatum* e *Fusarium* sp., which can reduce productivity in the country by up to 45%, according to Orplana.

The technology offers a broad spectrum of control, prolonged action and innovative formulation, increasing crop protection and contributing to maintaining the quality and yield of sugar and ethanol production.

"The registration of Invict for use in sugarcane represents a significant advance in the fight against Sugarcane Wilt Syndrome. The technology not only protects against the main fungi that cause

this syndrome, but also offers a flexible and broad-spectrum solution for phytosanitary management", says Thales Barreto (pictured), Syngenta's fungicide product marketing manager.

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Brazilian tobacco exports expected to grow by up to 15% in 2025

Sector expected to surpass the US$ 3 billion mark

28.04.2025 | 11:18 (UTC -3)

Eliana Stulp Kroth

Brazilian tobacco exports are expected to surpass the US$3 billion mark in 2025, according to projections from consulting firm Deloitte. The estimate is for growth of between 10% and 15% in both volume and value, reinforcing the product's role as one of the main generators of foreign exchange for the country.

In the first quarter of this year, Brazil shipped 104 thousand tons of tobacco, according to data from the Ministry of Development, Industry, Commerce and Services (MDIC/ComexStat). The volume represents a slight drop of 1,78% in volume compared to the same period in 2024. However, the value traded increased by 12,85%, reaching US$ 744 million.

“International customers’ preference for Brazilian tobacco is a direct result of the quality and integrity of the product, guaranteed by the Integrated Tobacco Production System (SIPT),” says Valmor Thesing (pictured), president of the Interstate Tobacco Industry Union (SindiTabaco). “Integration favors traceability, compliance with international requirements and the sustainability of the production chain.”

In 2024, Brazil exported 455 tons to 113 countries, generating US$2,977 billion in revenue – a figure that already exceeded the historical average of the last decade (US$2 billion). This performance confirms Brazil's competitiveness in a highly regulated and demanding global market.

In addition to foreign exchange, the tobacco production chain has a direct impact on job creation, income and tax collection. In 2024, the sector generated around R$12 billion in revenue for rural producers and R$17 billion in taxes paid to the Brazilian government.

Relevance to the regional economy

Tobacco remains one of the main drivers of the economy in producing states, especially in Rio Grande do Sul, the largest national exporter. In 2024, US$ 2,7 billion in foreign sales were generated in the state of Rio Grande do Sul, where tobacco was the second product on the export list, representing 12,55% of the

total, behind only soybeans.

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Expedition reveals diversity of insects in the Amazon

Collection of more than 1.400 samples promises to reveal species still unknown to science

28.04.2025 | 09:22 (UTC -3)

Leandro Magrini, edition of Cultivar Magazine

Photo: Cesar Favacho

An expedition to the ZF2 Reserve of the National Institute for Amazonian Research

(INPA), approximately 80 km from Manaus (AM), collected more than 1.400 samples composed of thousands of insects in the various strata of the forest. The activity is part of two large-scale projects supported by FAPESP and CNPq.

For six days, a team of 34 entomologists explored an area of ??10 hectares in the Central Amazon in search of insects in a variety of environments: soil, tree trunks, leaf litter, bodies of water and even above the tree canopy. The sampling is part of the "BioInsecta" and "BioDossel" projects, which aim to reveal and monitor the diversity of insects throughout the vertical structure of the forest.

The intensive collection involved more than 30 different methods, from light traps

to entomological nets and aquatic traps. All the material was preserved for molecular analysis and morphological identification in the laboratory, a process that should reveal thousands of species — many of them new to science.

According to coordinators José Albertino Rafael (Inpa) and Dalton de Souza Amorim (USP), this is the largest entomological expedition ever carried out in the Amazon in terms of the number of specialists gathered, covering around 20 of the 28 orders of insects registered in Brazil.

Ground to canopy collections

Cascade traps, the main collection method, were installed at three points in the Central Amazon and have remained active since July 2024. This system, consisting of five stacked traps measuring two meters each, allows simultaneous collection at different heights in the forest, from the ground to around 30 meters.

With biweekly sampling until September 2025, the expectation is to collect more than 5,5 million specimens. In addition, the intensive expedition allowed the capture of species that would be difficult to obtain using traps alone, significantly expanding knowledge of local biodiversity.

Diversity still little known

Despite the immense wealth of species, the insect fauna of the Amazon — especially that which inhabits the treetops — is still little studied. Previous studies indicate that more than 60% of the species found above 8 meters in height do not occur on the ground.

"It's like exploring an unknown continent," says Amorim. "The fauna in the canopy is different from the fauna on the ground, but access has always been a major challenge." The data generated will allow future comparisons of the impact of climate change, fires and other factors on the forest's biodiversity.

In addition to revealing new species, the BioInsecta and BioCanopy projects aim to create a robust genetic database using advanced DNA sequencing technologies. The estimate is to analyze the genetic material of around 500 specimens, which should set a new benchmark for biodiversity studies in tropical forests.

Global importance

The results should place Brazil among the world's leading researchers in tropical biodiversity studies. In comparison, the most comprehensive study to date, conducted in Panama, captured 14 insects over 14 months. Now, the scale of collection in the Amazon is significantly larger, both in terms of the number of

specimens and the depth of analysis.

According to José Albertino Rafael, the database created will also serve as a reference for monitoring, in the future, the environmental effects in preserved areas of the forest: "It will be a fundamental tool to support public policies for the conservation of the Amazon."

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*The **Cultivar Semanal** magazine is a technical and scientific publication focused on agriculture in Brazil.*
It was designed to be read on mobile phones.
It is published on Saturdays.

Grupo Cultivar de Publicações Ltda.

revistacultivar.com

CONTACT
editor@grupocultivar.com
comercial@grupocultivar.com