

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

10.04 – 16.04.2023



THREE MAIN TOPICS

- **The Largest Pesticides Development Center Will Open in the Moscow Region**
- **Algae Feed Will Cut Methane Emissions by 90%**
- **USDA: China Becomes World's Largest Wheat Importer**



EDUCATION

EDUCATION / 10.04.2023

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"Kurchatov Institute" Will Be Engaged in the Development of the Agro-Industrial Complex

President of Russia Vladimir Putin entrusted the National Research Center "Kurchatov Institute" with the functions of the parent organization of the Federal Scientific and Technical Program for the Development of Agriculture for 2017-2030. The decree states that the Kurchatov Institute will carry out scientific management of research within the framework of the agricultural development program, evaluate its implementation, as well as analytical and methodological support.

[TASS](#)

EDUCATION / 10.04.2023

The Largest Pesticides Development Center Will Open in the Moscow Region

The company "August" works on the selection and training of young specialists for its research center under construction in Chernogolovka near Moscow devoted to developing plant protection products. The center will be the largest in the country and is scheduled to open in 2025. Students interested in research activities will be offered a variety of opportunities — from targeted scholarships to internships at the company and leading Russian research institutes. [Rambler](#)

FEFU and Sber Bank Are to Open Artificial Intelligence Center in Vietnam

Far Eastern Federal University (FEFU), Sber Bank and Vietnam National University will open the Russian-Vietnamese Artificial Intelligence (AI) Center in Hanoi, Vietnam in October 2023. "The Russian-Vietnamese Center for Artificial Intelligence, which will be subsequently created by the signing parties, will become a showcase of technological and digital solutions from Russia and Vietnam for companies and organizations of our countries, which will certainly contribute to trade and economic cooperation," Dmitry Chernyshenko, Russian Deputy Prime Minister, emphasized.

[GlavPahar](#)



 SCIENCE

SCIENCE / 11.04.2023

Algae Feed Will Cut Methane Emissions by 90%

CH4 Global announced today a new proprietary methane-reducing digestive aide feed formulation for beef feedlot cattle called Methane Tamer Beef Feedlot. The new formulation, which includes Asparagopsis seaweed, reduces formation of methane in the animal rumen. Asparagopsis has been scientifically proven to reduce methane emissions in cattle by up to 90% without negative effects on animal welfare. New feed formulation will initially be commercially available to partners in Australia with global expansion coming in future years.

[The Cattle Site](#)

SCIENCE / 11.04.2023

Russian Scientists Invent Method to Improve Soil Fertility

Scientists from the Tyumen State University have proposed the use of biochar obtained from organic waste to improve soil properties and fertility. According to the researchers, the results will ensure environmental cleanup for agricultural enterprises as a partial replacement for mineral fertilizers. Now, researchers are conducting experiments to assess the impact of the combined use of biochar and other mineral fertilizers on wheat yields. [RIA News](#)



SCIENCE / 13.04.2023

Research Proposes a Totally New Way to Think About Agriculture

In a new paper published in PNAS Nexus, scientists propose "a totally new way to think about agriculture and the benefits it can have for research and farming". They call this new area of research "computational agroecology," uniting technology and farming expertise to develop diverse agricultural landscapes based on natural ecosystems. From crop selection to planting to irrigation, the method allows farmers to explore thousands of different potential designs to optimize food production without fossil fuel-derived pesticides. Now, the team is working through possible use cases with researchers and farmers to incorporate specific use cases and to develop software that can make it easy to simulate and explore state spaces.

[AZOLifeSciences](#)



SCIENCE / 13.04.2023

Researchers Are Working on Breeding New Varieties of Sweet Potato

Scientists at the International Potato Center (CIP) are working with their peers at agricultural research institutions across Africa and Asia to increase that potential by breeding new varieties that combine high yield, nutritional value and climate resilience. Population hybrid breeding has already produced eight candidates for release as new sweet potato varieties in Uganda, 30 in Peru. Moreover, hybrid seeds from Peru have shown impressive results — yield improvements ranging from 97% to 132% relative to the foundation (grandparents).

[AgNews](#)



INNOVATION

INNOVATION / 12.04.2023

New Technology Could Be Used to Prevent Agricultural Crime in Australia

Stealing farm animals, like cattle or sheep, is widespread in Australia. The Center for Rural Criminology at the University of New England suggests that new technologies may help to solve or prevent these types of crimes in the future. Recently the university have experimented with animal ear tags with GPS trackers. The tag has a number of functions: the first is collecting accelerometer data, which tracks the animal's movements. Another new form of technology that could help solve farm theft is facial recognition for cows, based on UNE research called Stoktake. [ABC](#)

INNOVATION / 12.04.2023

Cognitive Pilot Introduced a New Technology for Agricultural Robots

The Russian company Cognitive Pilot has developed a new class of technology R2D (Robot to Driver). The project named Cognitive Feedback allows, throughout the entire operation of the autopilot, to determine the level of reliability of the AI work and interact with the machine operator — to inform about problems or potential cases of unreliable operation. There are currently no analogs of such technology on the world market. [GlavAgronom](#)

INNOVATION / 13.04.2023

Color Measurement Tool

Royal DSM, a global purpose-led science-based company, launches new technology, Digital SalmoFan, to accurately measure fillet color throughout the entire value chain. Benedict Standen, Head of Global Aqua Marketing at DSM adds: "In DSM, we are committed to unleashing the power of aquaculture by delivering innovative science-backed solutions for optimum nutrition and health. The Digital SalmoFan enables the industry to maximize the value of color providing a credible, reliable and consistent reference point across the value chain". [Euromeat](#)

INNOVATION / 14.04.2023

A Pea Deep Processing Plant Will Be Launched in Russia

Russia's first plant for deep processing of peas will be built in the Tyumen region. Its cost is estimated at 6.7 billion rubles. The project investor is Yubileyny Agroholding Group of Companies. The enterprise will produce pea protein isolate, pea starch and fiber. There are currently only 14 major manufacturers of this product in the world: 60% in Europe and North America, and 40% in China. [RBC](#)



WORLD MARKET

WORLD MARKET / 10.04.2023

Nearly Two Dozen Food Additives Will Be Banned in the EAEU

19 food additives will be excluded from the technical regulations of the Customs Union on safety requirements for food additives and flavors, says Viktor Nazarenko, Minister for Technical Regulation of the Eurasian Economic Commission. He added that the Commission is going to expand the enzyme preparations list as well as the flavoring substances list for the manufacture of food flavors. [VetandLife](#)





WORLD MARKET / 14.04.2023

Ivory Coast Launches Program to Boost Beef Production

The Ivorian Minister of Animal Resources and Fisheries, has launched a five-year beef cattle production project worth 9.7 billion CFA francs (16.2 million dollars). The project, which will run through 2028, will focus on strengthening the technical capacities of 770 breeders and establishing 5 cattle markets. "The objective of this program is to ensure that national meat needs are covered by production, to increase the incomes of rural populations, and to strengthen the resilience of communities dependent on livestock farming in Ivory Coast," the Ministry highlighted on its website. [Food Business Africa](#)

WORLD MARKET / 14.04.2023

France First in EU to Order Avian Influenza Vaccines

France has launched a tender for 80 million doses of avian influenza vaccines as the country prepares to begin a vaccination program this autumn. This is the first member of the EU to start such a scheme, reports Reuters. The plan includes three possible vaccination scenarios that propose to immunize different groups of birds, including ducks, turkeys and laying hens. [Poultry World](#)

WORLD MARKET / 14.04.2023

Slovakia Bans Processing of Ukrainian Grain and Sale of Flour

The Ministry of Agriculture of Slovakia banned the processing of grain imported from Ukraine, as well as the sale of flour made out of it in the domestic market. The decision was taken after confirmation in the country of a batch of wheat from Ukraine, weighing 1,5 thousand tonnes, sent for threshing, containing a pesticide not allowed in the EU and that has a negative impact on human health. Slovakia's Ministry does not recommend importing Ukrainian grain and grain products, the message said without specifying how long this measure will be in place. [RBC](#)





ANALYTICS

ANALYTICS / 12.04.2023

USDA: China Becomes World's Largest Wheat Importer

China was the world's largest importer of wheat in marketing year 2022/23, bringing in an estimated 12 million tonnes, according to the Grain: World Markets and Trade issued by the Foreign Agricultural Service of the US Department of Agriculture (USDA). It is the highest level of imports since 1995/96, when the nation imported 12.5 million tonnes, the USDA said. The next highest importers were Turkey and the EU, both at 10.5 million tonnes, and Indonesia at 10 million tonnes. [World Grain](#)

ANALYTICS / 12.04.2023

USDA: Record Corn, Wheat Crops Expected in Brazil

Brazil is expecting record-setting wheat and corn harvests in the 2023/24 marketing year, according to a Global Agricultural Information Network report from the Foreign Agricultural Service of the US Department of Agriculture (USDA). Corn production is forecast at 133 million tonnes, up 6% from the estimated 125 tonnes in 2022/23, the report said. Wheat also continues to gain the interest of Brazilian farmers, with growing investment in technologies. The USDA forecasts production in 2023/24 at 11 million tonnes, up from the estimated 10.6 million tonnes this year. [World Grain](#)



ANALYTICS / 13.04.2023

Record Pig Prices Driven by Tight Supply, Analysts Say

UK pig prices reach new high after 13th consecutive weekly rise. Record pig prices are being driven by tight supply, British analysts say. Going back to June 2022, while a census was not carried out in Scotland, the census results for England had shown year-on-year declines of 17% in the English sow herd. Recently published December census results showed that the pace of year-on-year sow herd contraction in England had reached 20%. According to experts, adding to this decline in pig availability has been a rebalancing of carcass weights from the elevated levels seen over the winter of 2021/22. [FarmingUK](#)

ANALYTICS / 14.04.2023

In 2022, the EU Boosts Exports and Imports of Agricultural Products

The latest monitoring report published by the European Commission shows that EU agri-food exports reached 229.8 billion euro (252,15 billion dollars), a 31% increase compared with 2021. Key export products include cereals, dairy products and pork. EU imports increased by 32% compared to 2021 in value terms. This represents 172 billion euro (188,73 billion dollars) of imports. The major category of imported products are oilseeds, fruit and nuts as well as coffee, tea, cocoa, and spices. [Agriland](#)