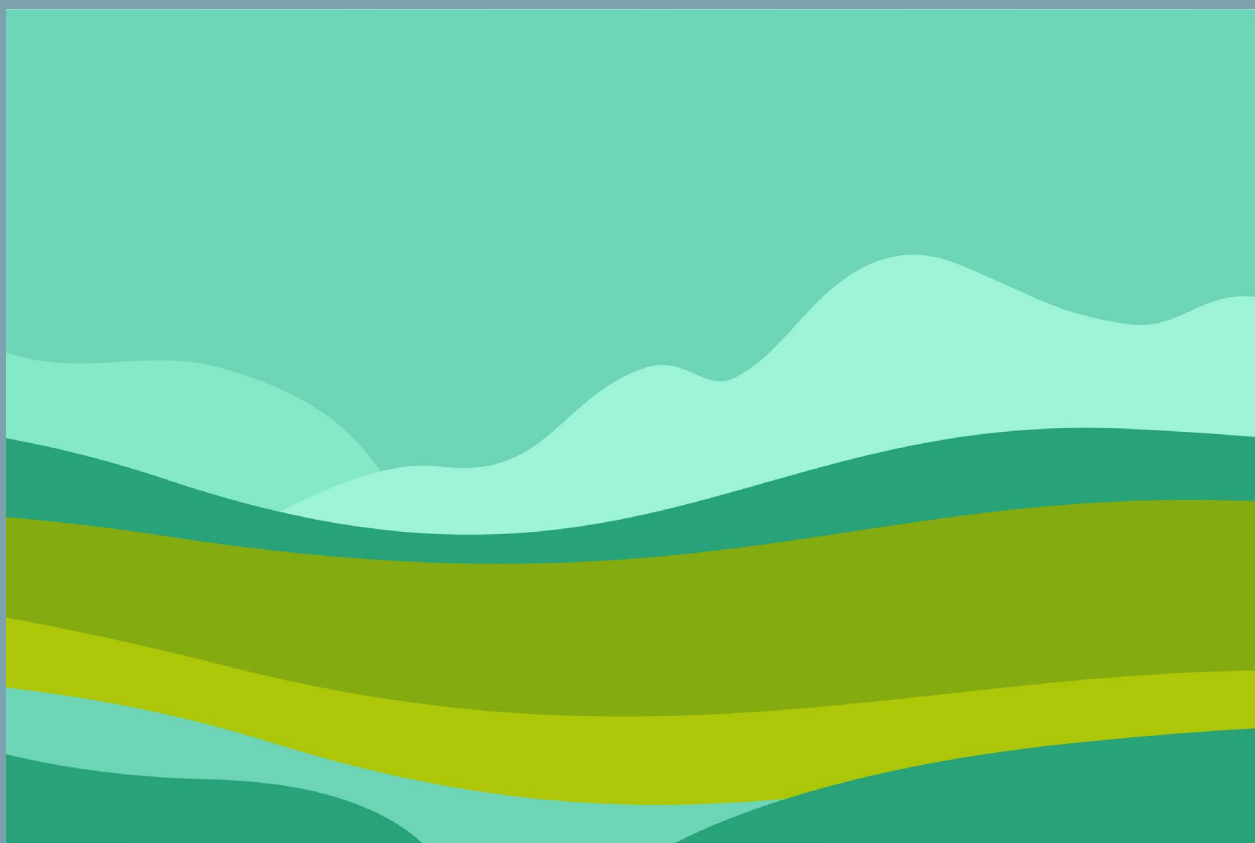


**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

03.04 - 09.04.2023



THREE MAIN TOPICS

- **Researchers Have Successfully Bulk-Produced Fat Tissue in the Lab**
- **Tomsk Scientists Created the Largest Biobank of Lactic Acid Microorganisms in Russia**
- **Global Meat Consumption to Increase 14% by 2030**



EDUCATION

EDUCATION / 03.04.2023

First Sommelier School in the Region Is Opened in the Kuban

The first sommelier school in the region was launched on the basis of the Kuban State Agrarian University (KubGAU). This was reported in the press service of the Ministry of Science and Higher Education of Russia. "Currently, about 50 people are studying at the school. It is going to boost the production of sommeliers to 100 specialists per year. Students and employees of manufacturing companies will participate in this program. A number of enterprises have already confirmed their willingness to send their specialists to get sommelier classes," — reports TASS. [TASS](#)

EDUCATION / 03.04.2023

China Agricultural University and Technical University of Moldova to Exchange Students

The Chinese Agricultural University has signed a memorandum of cooperation with the Technical University of Moldova (TUM). Now, Chinese students will be able to study in Moldova, including the wine-making and winegrowing specialties. According to the rector of TUM, joint research is another cooperation direction that became possible due to this memorandum. "China is a very well-developed country. We can borrow from them digital technologies in agronomy and in engineering," he added.

[IPN](#)

EDUCATION / 07.04.2023

RSHB Held a Meeting with Rectors of 43 Agricultural Universities

Rosselkhozbank held a large-scale session with 43 rectors of agricultural universities, where was presented the possibilities of the platform "I'm in agro", created to promote agricultural education in Russia and search for work in the agro-industrial complex. The meeting was attended by representatives of the Moscow Agricultural Academy named after K.A. Timiryazev, MBA named after K.I. Skryabin, the State University for Land Management, agricultural universities of the Don, Kostroma, Voronezh, Kabardino-Balkaria, Tatarstan and other educational institutions. [RSHB](#)



SCIENCE

SCIENCE / 05.04.2023

Israeli Scientists Develop Drought-Resistant Tomatoes

Israeli researchers have developed a new variety of tomato that is more resistant to drought conditions and could help farmers cope with the destructive impact of climate change. The resulting new tomato variety, which has yet to be named, can cope with extreme weather conditions. "Commercial tomato breeds grown in open-field conditions and that you find in supermarkets on average require 317,000 gallons per acre each season," a scientist told. "In our study, we cut this water amount in half and got great results." [AgNews](#)



SCIENCE / 06.04.2023

Researchers Have Successfully Bulk-Produced Fat Tissue in the Lab

Researchers claim to have bulk-produced cultivated fat tissue with tunable amounts of fat molecules, potentially allowing lab-grown meat to finally replicate that true meat taste. The lab-grown fat has the same molecular makeup as natural fat and can be produced at scale, making it have the potential to be used in the same processes currently creating lab-grown meat. Now, the researchers hope the technique can be applied to a larger scale to make cultured meat more viable, in the eventual pursuit of pivoting away from the climate-damaging mass meat market. [IFLScience](#)

SCIENCE / 06.04.2023

China Collects More Than 100 Thousand New Agricultural Germplasm Resources

China has collected 124,000 new agricultural germplasm resources during the country's third census since 2015, said a conference on seed industry held in Sanya, south China's Hainan Province. Many of these resources are unique not only in terms of their significance in scientific research but also in the study of local culture and special functions in food and healthcare, Liu Xu, an academic of the Chinese Academy of Engineering, said during the conference. [CCTN](#)

SCIENCE / 06.04.2023

Tomsk Scientists Created the Largest Biobank of Lactic Acid Microorganisms in Russia

Microbiologists from TSU, Moscow State University and the Federal Research Center "Biotechnology" of the Russian Academy of Sciences as part of a group study microorganisms contained in fermented milk products traditional for different regions of Russia. To store the studied microorganisms, a biobank was created on the basis of TSU, now there are about 300 strains in it. Until the end of 2023, they plan to add the same amount to it. One of the practical tasks of the project is to evaluate crops for antibiotic resistance as well as to elaborate foreign starter cultures substitution. [Interfax](#)



INNOVATION / 03.04.2023

China Launches Big Data Platform for Rice Industry Development

China has launched a big data platform for the entire rice industry chain, which is expected to promote the digitalization and informationization of the country's rice industry. The China National Rice Research Institute led the establishment of this platform that focuses on data generation, collection, storage, processing, analysis and services concerning the rice industry, and covers the whole industrial chain involving rice production, storage, market, trade, consumption and science and technology. [Xinhua](#)



INNOVATION / 04.04.2023

The UK, Robotic Harvest System Is Being Developed

Lincoln University, with the support of the British Department for Environment, Food and Rural Affairs, is working on a robotic harvesting system — Agri OpenCore. A new project aims to tackle the lack of seasonal labour in the UK horticulture industry as researchers look to accelerate the delivery of robotic crop systems. Agri-OpenCore, which is being spearheaded by numerous agri-tech and universities, will develop the world's first open development platform for agri-robotic harvesting. There is currently no robotic harvesting system that can match the speed of human picking.

[GlavPahar](#)

INNOVATION / 06.04.2023

An Indian Company Develops a Grain Quality Analyzer

In India, trading on electronic platforms is widespread. When a farmer sells his or her product, he or she needs to determine the class of grain and get the corresponding price. Now this can be accomplished using an analyzer developed by an Indian company. The machine uploads automatically analysis results to the trading platform, and then the analyzed product is put up for auction at fair value. The device has already been appreciated in Russia — the domestic company CSort is going to integrate it into the Russian standard system.

[Agroecommission](#)



INNOVATION / 08.04.2023

The Netherlands Is Elaborating a Method to Detect Powdery Mildew

The Greenhouse Horticulture and Flower Bulbs Business Unit of Wageningen University & Research is developing a method to detect powdery mildew using image recognition. Research by WUR shows that a simple RGB camera and an image recognition model make it possible to recognize the white fluff of the fungus. However, image recognition must be further developed so that the difference between live and dead mildew can be recognized. In addition, WUR is investigating whether the disease can be detected earlier with the help of olfactory sensors. [GlavAgronom](#)



WORLD MARKET

WORLD MARKET / 03.04.2023

Argentina Pushes New 'Soy Dollar' Rollout

The government of Argentina intends to launch its latest "soy dollar" plan, which uses a preferential exchange rate to provide an incentive for exports. The "soy dollar" aims to increase sales and exports of soybeans and their derivatives by offering producers an exchange rate higher than the official rate of 210 pesos per dollar. According to the source, the soy plan will last until the end of May.

[Financial Post](#)



WORLD MARKET / 03.04.2023

Namibia Bans Argentina and Chile Poultry Imports

Namibia has suspended the import and in-transit movement of live/raw poultry, birds, and live/raw ostrich products from Argentina and Chile after outbreaks of highly pathogenic avian influenza in the countries. The Agriculture Ministry noted that consignments of poultry products packed in their final packaging on or after the suspension start date will be rejected and returned to the country of origin or destroyed at the importer's expense.

[Food Business Africa](#)

WORLD MARKET / 06.04.2023

Russia Will Trade Reindeer Meat with the United Arab Emirates

Rosselkhoznadzor agreed with the Ministry of Climate Change and the Environment of the United Arab Emirates a veterinary certificate for the supply of Russian venison to this country. This was reported by the press service of the department. Now, Russian enterprises interested in supplying venison to this country must undergo an examination in order to start deliveries. After passing the survey, the enterprises will be included in the register of exporters of the IS Cerberus in the UAE. [Interfax](#)

WORLD MARKET / 07.04.2023

Poland to Halt Ukraine Grain Imports Temporarily

Imports of Ukrainian grain to Poland will be temporarily halted to mitigate impact on prices, Polish Agriculture Minister Robert Telus said. "We agreed to limit and for now halt exports to Poland," Telus told reporters after meeting his Ukrainian counterpart. "Transit will be allowed but will be closely monitored in both countries, so that Ukraine grain doesn't stay in Poland." [Reuters](#)



ANALYTICS

ANALYTICS / 03.04.2023

Rabobank: China to Import Less Soya

China will import less and less soya in the coming years. This is according to a research report published by Rabobank. China is by far the largest importer of soya in the world. The product is mainly used in animal feed. Although the demand for animal feed will continue to grow in the years ahead, this will not be the case for the intake of soya. Rabobank believes that animal feed production in China will grow slightly every year. However, imports of soya will decrease as a result of increasing local production of animal feed raw materials and the use of less soybean meal in animal feed, explains analyst Lief Chiang of Rabobank.

[Poultry World](#)



WORLD MARKET / 04.04.2023

Europe Sees Growth in Plant-Based Food

Sales of plant-based foods in 13 European countries hit a record high of 5.7 billion euro (6,22 billion dollars) last year, with a growth rate of 22% since 2020, according to a report by the Good Food Institute Europe. The Good Food Institute Europe report found that plant-based meat sales grew to 2 billion euro (2,18 billion dollars) in 2022, accounting for 6% of the pre-packaged meat market. The analysis looked at sales data across Austria, Belgium, Denmark, France, Germany, Italy, Netherlands, Poland, Portugal, Romania, Spain, Sweden, and the U.K.

[Green Queen](#)



WORLD MARKET / 06.04.2023

Rabobank: Global Egg Prices Expected to Remain High in 2023

Global egg prices are expected to "stay relatively high throughout 2023", especially in markets that have been hard hit by avian influenza, according to a new report published by Rabobank. According to Rabobank, "one of the main tools to stabilize markets is better value chain cooperation". It also highlighted in its report that a "greater commitment from buyers to offset farmers' high production risks" would also help stabilize global egg prices while another strategy it outlined in the report is to "better control" bird flu. [Agriland](#)

WORLD MARKET / 07.04.2023

Global Meat Consumption to Increase 14% by 2030

Global consumption of meat is set to increase by 14% by the end of this decade, according to a report from the UN Environment Program. The document said that the growth in this consumption will be mainly driven by growth in income and population. By 2030, poultry is expected to represent 41% of global meat products, with beef representing 20%. However, Asia and the Pacific are the only regions where per capita beef production is expected to increase by 2030. [Agriland](#)