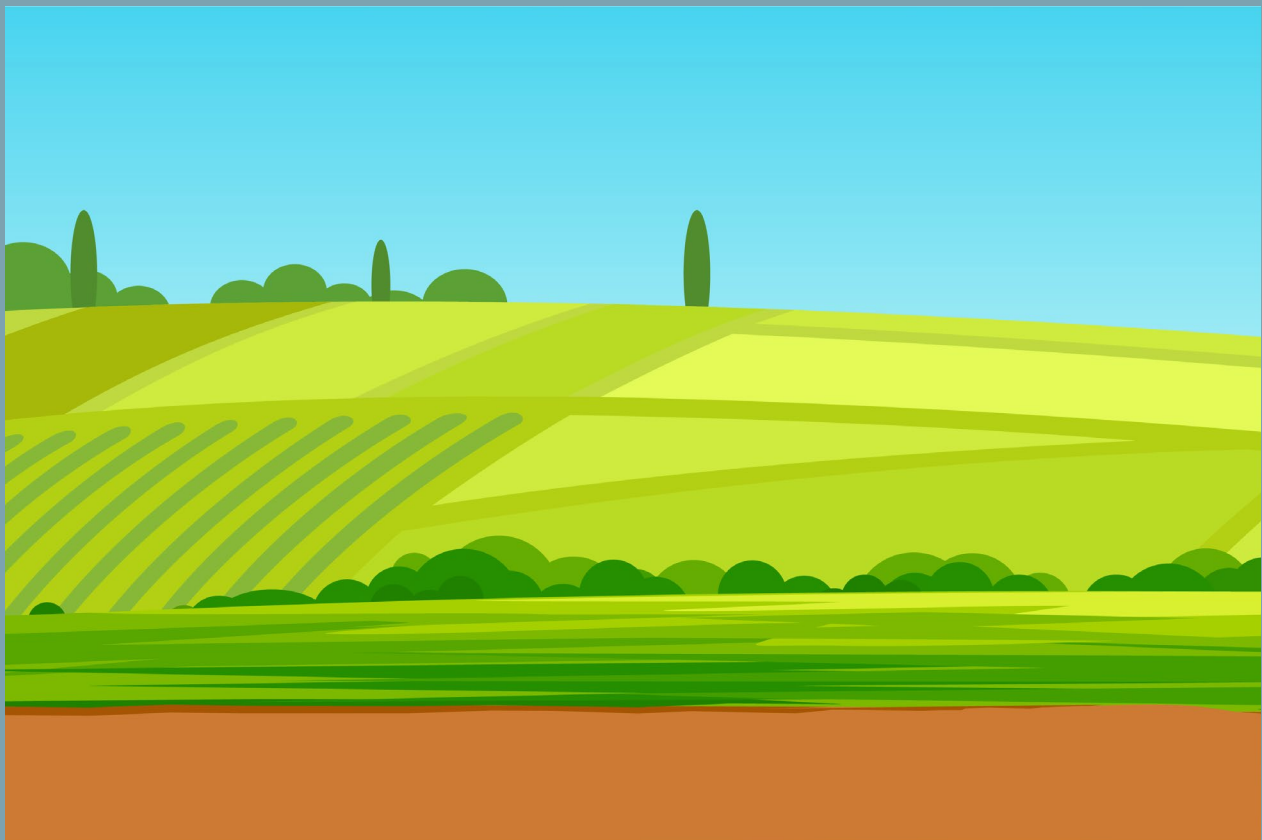


**INSTITUTE OF WORLD  
AGRICULTURAL MARKETS**

# **MEDIA DIGEST**

**17.04 – 23.04.2023**



## THREE MAIN TOPICS

- **First Drone Plant for Civilian Purposes Will Appear in Russia**
- **Israel 3D-Printed Fish Meat for the First Time in the World**
- **Fitch Solutions: Global Rice Shortage Is Set to Be the Biggest in 20 Years**



### EDUCATION

EDUCATION / 20.04.2023

EDUCATION / 19.04.2023

#### **A New Competence Center for Veterinary Medicine and Animal Science Is Up at the Moscow Veterinary Academy**

The Moscow State Academy of Veterinary Medicine and Biotechnology – MBA named after K. I. Skryabin has opened a new Competence Center for Veterinary Medicine and Animal Science. The educational center will train future specialists in the field of veterinary medicine and animal science, hold competitions, master classes, as well as refresher courses for university teachers, said Sergei Pozyabin, rector of the Moscow Veterinary Academy, at the opening ceremony. The construction of the new center was carried out with the support of the Russian Ministry of Agriculture.

[VetandLife](#)

EDUCATION / 19.04.2023

#### **Canadian University Expands Cooperation with the Netherlands**

During an Innovation Day Simon Fraser University and Wageningen University & Research signed a Letter of Intent to collaborate on future research programs, share knowledge and spark innovation in the agritech field. Under the terms of the Letter of Intent, the two universities will work together to set up a collaborative innovation ecosystem through BCCAI, along with exploring a range of academic and research activities, such as joint research, student exchanges, and collaborations between the two institutions to address food security.

[SFU](#)

#### **DSAU Presented a New Educational Program for Bachelor's Degree**

Don State Agrarian University (DSAU) launches a new educational bachelor's program – "Agri-business". This year, the university will accept 35 applicants for this program, almost half of them for state-funded places. Future students will be trained in the use of fertilizers, plant protection products, crop varieties and hybrids, soil cultivation and seed preparation systems, innovative technologies in zonal and precision farming systems, as well as the intricacies of organic production in Russia.

[Russian Ministry of Agriculture](#)



 SCIENCE

SCIENCE / 17.04.2023

**Genetic Database of Breeding Animals and Agricultural Products Created in Stavropol**

Russian scientists have created a genome bank of livestock and plants to simplify the issuance of genetic passports. This was reported by the press service of the North Caucasus Federal University (NCFU). "The DNA bank created by our scientists is not only a guarantee of security, but also a colossal prospect for the development of the industry. I am sure that in close cooperation with the Federal National Research Center we will contribute to the development of agriculture not only in the region, but also in Russia," the press center quotes the rector of the university Dmitry Bespalov. [TASS](#)



SCIENCE / 17.04.2023

**Russian Scientists Create Nanoparticles to Boost Plant Growth**

In recent years, scientists of NUST MISIS have been experimenting with various metal nanoparticles applied to soil when watering plants. They are not nutrients and are directly absorbed by the plant — instead they stimulate metabolic processes or inhibit the growth of harmful bacteria. Now NUST MISIS has proposed introducing a colloidal solution of CoCuFeNi nanoparticles, a compound of cobalt, copper, iron, and nickel, into the soil. Moreover, this method significantly slows down the activity of harmful bacteria, acting like a classic antibiotic. The results of the study were published in the scientific journal Environmental Science and Pollution Research. [MISIS](#)

SCIENCE / 20.04.2023

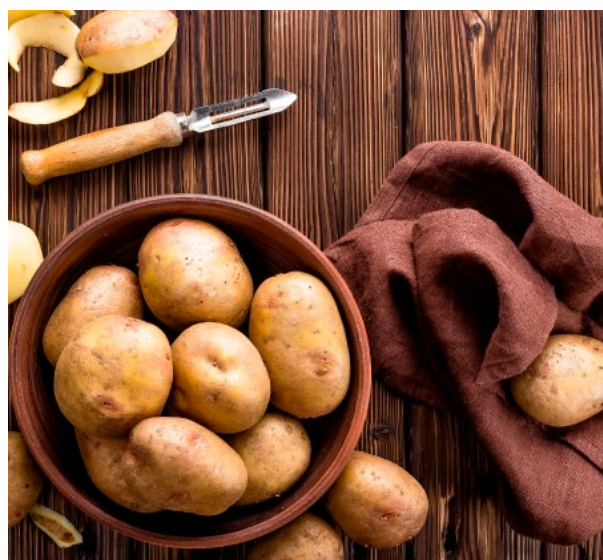
**Israeli Researchers Develop Tomatoes Capable of Growing in Extreme Drought-Like Conditions**

Researchers at the Hebrew University of Jerusalem succeeded in developing tomato varieties capable of producing a high yield even during extreme drought conditions, according to a study published in the journal PNAS. The researchers said, the higher yield was due to interactions between two regions of the tomato genome. Furthermore, they concluded the new tomato variety consumes less water and increases its production in extreme weather conditions. The research was a part of the scientific cooperation with the European Union in the Horizon 2020 program. [WION](#)

SCIENCE / 21.04.2023

**Breakthrough in Fight against Devastating Potato Disease**

WUR researcher Daniel Monino-Lopez made a breakthrough in fighting the disease. With the gene editing technology CRISPR/Cas, he made potato plants resistant to late blight disease caused by Phytophthora infestans. He did so without the insertion of foreign DNA in the potato genome. The discovery is expected to help reduce losses from the spread of late blight, which causes globally 3–10 billion euros (3.29–10.98 billion dollars) in yield loss and management costs annually. [AgNews](#)







**INNOVATION**

**INNOVATION / 19.04.2023**

**First Drone Plant for Civilian Purposes Will Appear in Russia**

The first drone plant for civilian purposes will be built in Russia. It will be located on a site of 40 thousand square meters in the SEZ "Togliatti". The construction will be carried out by the company "Transport of the future". By 2024, it is planned to reach a capacity of more than 3 thousand drones, investments in the project will amount to more than 6 billion rubles. According to the company, the drones are designed to deliver passengers and cargo, assist in emergency situations, monitor and cultivate agricultural fields, and for other purposes. [Izvestia](#)

**INNOVATION / 19.04.2023**

**Crop Seeds Return from Space to Earth**

Seeds sent into space last year returned to Earth recently in a new milestone for joint efforts by the International Atomic Energy Agency (IAEA) and the Food and Agriculture Organization of the United Nations (FAO) to develop resilient crops that can help provide sufficient food as the planet heats up. They will now begin their journey back to the laboratories of the Joint FAO/IAEA Centre in Seibersdorf, Austria, where they will be screened and analysed for desirable traits. [AgNews](#)



**INNOVATION / 20.04.2023**

**Israel 3D-Printed Fish Meat for the First Time in the World**

The Israeli company Stakeholder Foods, a leading food tech company, has created an analogue of fish meat using a 3D printer for the first time in the world. On this occasion, the company's production site in the city of Rehovot was visited by a large delegation with government officials, representatives of investor companies, scientists. It was led by Israeli Prime Minister Benjamin Netanyahu. [TASS](#)



**INNOVATION / 20.04.2023**

**Soybean Diseases Detection Bot**

Experts of the Far Eastern State Agrarian University are developing a bot that can identify soybean diseases by analyzing a photo of a plant. They started to create an app and collect photo databases in the summer of 2022. The developers expect that the neural network will not only diagnose the disease, but also give recommendations on how to treat the plant, what herbicides and remedies to use, etc.

[Far Eastern State Agrarian University](#)



## WORLD MARKET



WORLD MARKET / 19.04.2023

### First Russian Online Grocery Store Is Launched in China

The Chinese trading company Epinduo has opened a Russian online grocery store on one of the largest and most popular food platforms in China, Hema, which is owned by Alibaba Corporation. This was reported to TASS by Epinduo sales manager Wu Ruyun. According to him, the store offers a wide range of products. Thus, Chinese consumers can buy Russian sweets, chocolate, cookies, cakes and other confectionery products. Powdered milk, honey, oatmeal, coffee, butter and flour are also presented in the store. [TASS](#)

WORLD MARKET / 21.04.2023

### Final New Zealand Live Export Shipment as Ban Comes into Force

The final shipment of livestock from New Zealand has set sail as a ban on live exports by sea comes into effect in the country. In 2021, the New Zealand government decided to stop shipping live animals following a review of its live export sector. It came after an export ship capsized in the east China Sea resulting in the deaths of 41 crew and nearly 6,000 cattle. A two-year transition period to help farmers to adjust their businesses comes to an end on April 30, 2023. [Agriland](#)

WORLD MARKET / 21.04.2023

### Benin Plans to Ban Imports of Frozen Chickens and Eggs in 2024

The Minister for Benin's Agriculture, Livestock and Fisheries, Gaston Dossouhoui, has announced the government's intent to stop the import of frozen chicken and eggs from abroad by 2024. The Benin government believes that this approach is also part of a strategy aimed at developing the local supply of meat. If this ban materializes, Benin will join Ivory Coast, Nigeria, and Senegal on the list of West African countries that apply restrictions on poultry imports. [Food Business Africa](#)

WORLD MARKET / 23.04.2023

### UK Increases Import Quotas for Poultry Meat from Brazil

The United Kingdom published the updated volumes of poultry meat quotas in Brazil, which will enable an increase in sales of the poultry product to the European destination. After long and detailed negotiations conducted by the Ministry of Foreign Affairs of Brazil, with the support of the Ministry of Agriculture and the Brazilian Association of Animal Protein (ABPA), the volume of tariff quotas was expanded to 96.5 thousand tonnes per year — an increase of 16.6 thousand tonnes per year. [Euromeat](#)





## ANALYTICS

ANALYTICS / 20.04.2023

### Fitch Solutions: Global Rice Shortage Is Set to Be the Biggest in 20 Years

The global rice market is set to log its largest short-fall in two decades in 2023, according to Fitch Solutions. From China to the U.S. to the European Union, rice production is falling and driving up prices for more than 3.5 billion people across the globe, particularly in Asia-Pacific — which consumes 90% of the world's rice. That would mark the largest global rice deficit since 2003/2004, when the global rice markets generated a deficit of 18.6 million tonnes. [AgNews](#)

ANALYTICS / 21.04.2023

### USDA: EU Grain Production Emerging from Drought

The European Union's grain production in marketing year 2023/24 is expected to recover from drought conditions that pushed down yields in 2022/23 as it surges to 285 million tonnes, climbing from 267 million tonnes the previous year, according to a Global Agricultural Information Network report from the US Department of Agriculture's Foreign Agricultural Service (FAS). "Favorable initial crop development conditions are reported across the EU, although spring rains in the EU's southwest will be critical to replenish soil moisture and allow for yields to bounce back to average levels," FAS expert said. [World Grain](#)

ANALYTICS / 21.04.2023

### ABPA: Brazilian Exports of Poultry Genetics Grow

Brazilian exports of poultry genetics (including day-old chicks and hatching eggs) totaled 3,038 thousand tonnes in March, informs the Brazilian Association of Animal Protein (ABPA). The number is 93.7% higher than the result recorded in the same period of 2022, when 1,569 thousand tonnes were shipped. Main destinations for poultry genetics exports in March were Mexico, Peru and Paraguay. [Euromeat](#)

