

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

04.03 – 10.03.2024



THREE MAIN TOPICS

- [Climatologists Forecast a Record Hot Summer due to the El Niño Phenomenon](#)
- [Russian Companies Presented Products on Türkiye's Trendyol Marketplace](#)
- [Analysts Record a Decline in Global Palm Oil Supplies](#)



EDUCATION

EDUCATION / 05.03.2024

A Seminar on Agricultural Machinery at Michurinsky State Agrarian University

A seminar on agricultural machinery was held at the Engineering Institute of Michurinsk State Agrarian University for teaching staff and managers of agricultural enterprises. The event was attended by representatives of various agricultural companies in the region and presented their new developments in various areas of the agricultural sector. The seminar was opened and the participants were welcomed by the director of the Engineering Institute, Konstantin Manaenkov. As part of the educational event, a presentation by Agricultural Machinery LLC took place. [Michurinsky State Agrarian University](#)



EDUCATION / 06.03.2024

Future Agronomists Got Acquainted with the Technology of Breeding Predatory Bugs

The technology of breeding predatory entomophagous bugs was shown to students of the Faculty of Agronomy of the Altai State Agrarian University on the basis of a separate division «Altai» of LLC TC «Tolmachevsky». The enterprise, which services a large greenhouse complex on the outskirts of Barnaul, is an industrial partner of the Altai State Agrarian University within the framework of the federal project «Professionality». 4th year students of the Faculty of Agronomy took part in the field lesson. [GlavAgronom](#)

EDUCATION / 07.03.2024

Tajik Students Trained in Drone Fabrication in Turkey

Tajik students took courses in the robotics and drone production program in Turkey, the press service of the Tajik Technical University named after academician Muhammad Osimi reported on March 3. Those who completed the training received certificates to use and control drones from the Turkish company SAPMAZ. It is claimed that drones will be used in agriculture to monitor watering and plant growth, as well as to control plant pests and diseases. [IA Krasnaya Vesna](#)



SCIENCE

SCIENCE / 03.03.2024

Climatologists Forecast a Record Hot Summer due to the El Niño Phenomenon

Record heat will come to a number of regions of the planet before June, an international team of climatologists said, the journal Nature reports on February 29. Several areas of the Earth — the Bay of Bengal, the South China Sea, the Amazon and Alaska — will experience record heat before June 2024, according to a study led by Dr Ning Jiang from the Chinese Academy of Meteorological Sciences in Beijing.

[IA Krasnaya Vesna](#)



SCIENCE / 04.03.2024

NCFU Scientists Elaborate New Antidotes for Pesticides

About 200 new chemical compounds — potential antidotes for pesticides used in crop production, and 4 new methods for their synthesis were obtained by scientists from the North Caucasus Federal University (NCFU). Research is being conducted under the federal program for supporting Russian universities “Priority 2030,” which is supervised by the Ministry of Science and Higher Education of Russia. At the next stages of scientific research, the team of scientists will have to study in more detail the properties of the found compounds obtained using new synthesis methods. [NCFU](#)

SCIENCE / 05.03.2024

Scientists Discovered why Yakut Cows Don’t Freeze at Minus 60°C

Cows of the Yakut aboriginal breed can easily tolerate frosts down to minus 50–60°C in winter thanks to a mutation in the gene responsible for frost resistance. This discovery was made by scientists from the Institute of Cytology and Genetics (ICiG) of the Siberian Branch of the Russian Academy of Sciences. Now scientists have bred a line of mice with an adjusted gene responsible for resistance to frost. Researchers want to see how these animals will survive in low temperatures.

[Milknews](#)

SCIENCE / 05.03.2024

Russian Scientists Learned to Identify Tilapia Genetic Material in Minced Fish

The All-Russian State Center for Quality and Standardization of Medicines for Animals and Feed (FSBI «VGNKI») has developed an express method for identifying tilapia in fillets and minced meat. For this purpose, genetic analysis is used, which is capable of identifying traces of three types of tilapia in a homogeneous mass of fish. As experts explained in the message, the increase in demand for fish products and the growth in the development of the aquaculture industry leads to an increase in the risks of falsification of fish products.

[Sfera.fm](#)



 **INNOVATION**



INNOVATION / 04.03.2024

UNN Won a Grant to Launch the Lobachevsky Satellite to Monitor Forests and Agricultural Crops

Nizhny Novgorod State University named after N.I. Lobachevsky (Nizhny Novgorod State University) won a grant of 10 million rubles for the creation and launch of the Lobachevsky space satellite for monitoring forests and agricultural crops. This is stated on the website and in the telegram channel of the university. It is reported that the CubeSat format device will be equipped with two powerful spectral cameras for remote sensing of the Earth. Its size is 20x20x40 cm. The satellite will be the largest in the Space-π constellation of school satellites, which so far consists of 33 objects.

[GlavPahar](#)

INNOVATION / 06.03.2024

Two British Developers Created a New Weedwizad Spot Sprayer

Two British development companies — Techneat Engineering and Tillet en Hague — designed and launched a new spot sprayer for onions, leeks and carrots. The technique was called Weedwizad and was first presented at the LAMMA exhibition in January 2024 in Birmingham. According to the brand management, the machine was the result of a three-year collaboration between Techneat Engineering as a software specialist and Tillet and Hague as a developer of smart cameras for tillage implements. [GlavPahar](#)

INNOVATION / 08.03.2024

Turkish Scientists Found out a System for Monitoring the Ripening of Pomegranates and Apples Using AI

Turkey has developed software that uses artificial intelligence (AI) to monitor fruit crops, Anadolu Agency reports. The system, created with the support of scientists from Siirt and Bartın universities, is capable of determining the degree of fruit ripening in pomegranate and apple orchards with an accuracy of 97%. The software was tested in a yield study in pomegranate and apple orchards in Siirt, as well as banana and orange plantations in Mersin. [TMCARS](#)



 **WORLD MARKET**

WORLD MARKET / 04.03.2024

Vietnam Will Change the Inspection Procedure for Livestock Products

On January 30, the Ministry of Agriculture and Rural Development of Vietnam informed the WTO about the developed changes to the quarantine of animals and livestock products. The new rules are expected to come into force on May 15, 2024. In accordance with them, in particular, imported meat products intended for human consumption will be tested for the presence of Salmonella spp. and E.Coli. In addition, additional requirements are being introduced for testing fresh eggs for the presence of avian influenza virus and Newcastle disease.

[The Dairy Site](#)

WORLD MARKET / 05.03.2024

In February, India Boosted Imports of Sunflower Oil by 34%

According to preliminary estimates by traders, in February of this year, imports of sunflower oil to India increased by 34% compared to the previous month and reached 295 thousand tonnes. At the same time, Indian purchases of soybean oil showed a decrease by 7.9%, to 174 thousand tonnes, palm oil — by 35.6%, to 504 thousand tonnes, which is the lowest level of purchases in the segment since May 2023.

[The Economic Times](#)



WORLD MARKET / 05.03.2024

Russian Companies Presented Products on Türkiye's Trendyol Marketplace

The number of Russian companies presenting their products on the Turkish platform Trendyol has grown from one to ten through the demonstration and tasting pavilion of the agricultural sector, opened in 2023, the Russian Export Center reports. «This allowed us to place 38 new product lines on the platform, which attracts more than 160 million visits per month, including baby food, cereals, snacks, sauces and drinks,» the statement said. [RIA News](#)

WORLD MARKET / 06.03.2024

Good Meat Suspends Cultured Meat Production in Singapore

Good Meat, the first cultured meat producer to achieve legalization of its commercial activities in Singapore, announced the suspension of operations. According to a press release from the company's official representative, this measure is due to the need to adjust the strategic approach to production in Asian countries. This information comes amid reports of legal and financial problems at Good Meat's parent company in the US — Eat Just, as well as news about the cessation of sales of these products from competitors from Huber's Butchery and Bistro. [Asian Agribiz](#)



ANALYTICS

ANALYTICS / 04.03.2024

India Will Raise Soybean Oil Imports this Season

India, the world's largest buyer of vegetable oils, will increase soybean oil imports to 4.3 million tonnes in 2023/24 from 3.5 million tonnes in 2022/23, Sunvin Group predicts. At the same time, palm oil purchases will be reduced from 10 million tonnes to 9.2 million tonnes. Traders say unprofitability in palm oil refining has forced refiners to switch to soybean oil in recent weeks. India's imports of sunflower oil in the current 2023/24 season are expected to be around 3 million tonnes, while total consumption of vegetable oils will be around 26.5 million tonnes. [Nasdaq](#)



ANALYTICS / 04.03.2024

Pork Prices Expected to Recover in China

Pork prices in China are likely to recover in the second half of 2024 after farmers reduced their animal numbers. This forecast was voiced by the head of New Hope Group, the country's largest manufacturer of animal feed and one of the largest suppliers of meat, Liu Yonghao. «The current pork production cycle has been longer than expected, but we still have confidence (in the coming changes),» Liu said. China's sow population has declined for 13 months in a row and stood at 40.67 million at the end of January. Last week, China's Ministry of Agriculture and Rural Affairs lowered the national sow population target from 41 million to 39 million animals, the first such move since 2021. [Bloomberg](#)



ANALYTICS / 05.03.2024

By the End of the Season, Global Cocoa Stocks Will Reach a 45-Year Low

According to the International Cocoa Organization (ICCO), in the 2023/2024 season, the global cocoa bean market will experience a supply shortage for the third year in a row, as global production of this product will decrease year-on-year by 11%, to 4.45 million tonnes. The harvest reduction in Ghana is expected to be 11.3%, to 580 thousand tonnes, in Cote d'Ivoire — 19.6%, to 1.8 million tonnes. As a result of this circumstance, world reserves of cocoa beans at the end of the current marketing year will decrease to 1.39 million tonnes, which will be the lowest value for this indicator in the last 45 years. [Agence Ecofin](#)

ANALYTICS / 06.03.2024

Analysts Record a Decline in Global Palm Oil Supplies

Stagnating global palm oil production and rising biodiesel prices are likely to reduce supplies of the world's most used vegetable oil this year. This forecast was announced by analysts at an industry conference in Kuala Lumpur on March 6. The current situation will lead to a further increase in prices for the product, which is already trading at the highest values over the past 7 months. During the period from January to March of this year, global palm oil production decreased, and at the end of the entire 2023/24 season, according to experts, it will increase by only 0.2–0.3 million tonnes, which will be the minimum dynamics over the past 4 years. In particular, palm oil production in Indonesia and Malaysia, which account for the bulk of global supply, will either rise modestly in 2024 or decline from last year's levels due to aging plantations. [Reuters](#)

