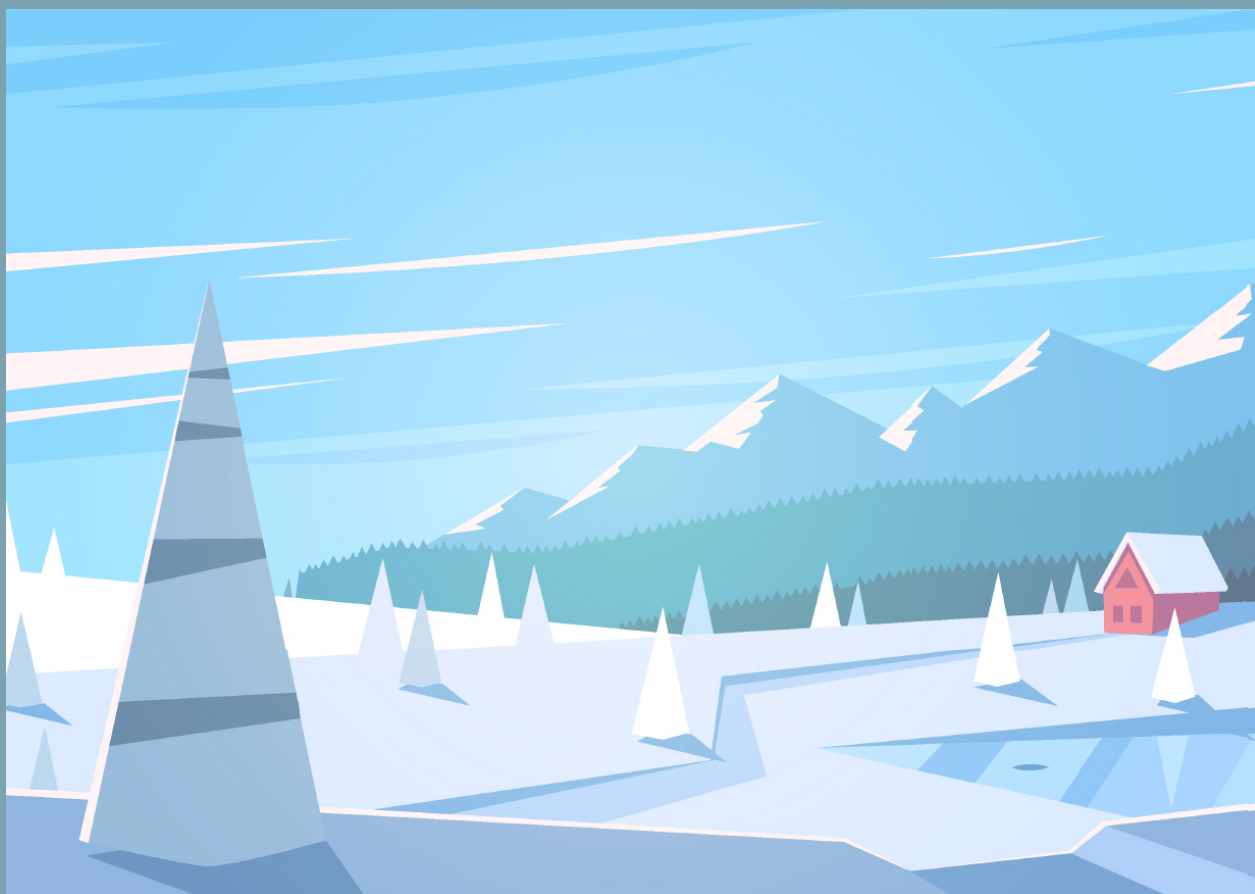


**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

22.01 – 28.01.2024



THREE MAIN TOPICS

- **Israeli Scientists Will Release its First Cultured Eel Prototype**
- **Russia and India Will Focus on Expanding Maritime Logistics**
- **Groundwater Levels Are Dropping Around the World**



EDUCATION

EDUCATION / 22.01.2024

South Ural and Mongolian State Agrarian Universities Agreed on Cooperation

A delegation of representatives of a Mongolian university, which arrived in the Chelyabinsk region at the invitation of the Chebarkul Bird company, visited the South Ural Agrarian University. “The Mongolian University is the only one in Mongolia with which we will interact. Issues of a wide variety of types, including admission of students to Russia on a paid basis, advanced training and retraining of personnel. We also discussed issues regarding double diplomas for students... For our part, we will also consider the issue of sending our students to Mongolia as part of a double diploma and, accordingly, we plan to provide the possibility of an internship in Mongolia for graduate students of the university,” said the rector of the Chelyabinsk university Svetlana Cherepukhina. [Russian Ministry of Agriculture](#)



EDUCATION / 22.01.2024

The Company “Liliani” Opened An Educational Center at Don State Agrarian University.

At the department of technologies and means of mechanization of the agro-industrial complex of the Azov-Black Sea Engineering Institute of the Don State Agrarian University, the educational center of Liliani LLC was solemnly opened. The classroom in its new design can be used for lectures, practical classes, as well as course design for students of the Faculty of Engineering and Technology. The company plans to create Liliani competency centers in partnership with agricultural universities throughout Russia. [DonGAU](#)

 SCIENCE



SCIENCE / 23.01.2024

Israeli Scientists Will Release its First Cultured Eel Prototype

A prototype of a product made from grown freshwater eel cells was presented by the Israeli startup Forsea Foods, the online publication New food reported on January 22 magazine Representatives of the developer claim that their solution will preserve the wild eel population. The company said it had "successfully copied" the traditional Japanese unagi eel (Anguilla japonica) and that it has the same "tender, juicy texture and rich, savory flavor as real eel."

[IA Krasnaya Vesna](#)

SCIENCE / 24.01.2024

Scientists Discovered why Arabica Coffee Varieties Have Different Tastes

Genome of the Coffea plant arabica was deciphered with unprecedented accuracy. A new study allows scientists to say that mutations within varieties of a hybrid species continue to this day. This means that with almost the same set of DNA nucleotides, different Arabica varieties differ structurally. It is these mutations that explain why Arabica varieties differ not only in taste and smell, but also in the level of resistance to certain diseases. [NaukaTV](#)



SCIENCE / 25.01.2024

VyatSU Scientists Created a Fertilizer for Saline Soils

A new fertilizer developed by scientists from the Kirov region will allow land affected by drought to be returned to circulation. The development will help farmers from the south-eastern regions of Russia, as well as from neighboring countries - for example, Kazakhstan. As explained by scientists from Vyatka State University, the soil in arid regions quickly becomes oversaline, since the evaporation of precipitation exceeds its loss. To remedy the situation, scientists have developed a sulfur-based fertilizer that has a beneficial effect on alkaline, saline soil, the report said. [Agronovosti](#)



SCIENCE / 26.01.2024

Geneticists Tapped Tobacco Leaves to Produce a Key Ingredient in Protein Vaccines

British molecular biologists have created a genetically modified form of tobacco whose leaves produce the molecule QS-21, one of the components of the Chilean quillaya tree extract , which is used as a key component of protein vaccines. This was reported by the press service of the British John Innes Center. In the future, this will improve the properties of this substance by introducing additional modifications to its structure during its synthesis in tobacco cells, the researchers concluded. [TASS](#)



INNOVATION

INNOVATION / 24.01.2024

Space Seeds Sprouted Showed 100% Germination Rate

Wheat and rapeseed seeds, which spent more than 180 days on board the spacecraft in order to discover properties to increase crop yields, showed 100% germination, while soybean seeds did not germinate. Emerged crops are characterized by uniform germination, the formation of vegetative organs - roots, stems, leaves, which perform the most important functions of nutrition, photosynthesis and the movement of substances in the plant. During phenological observations of plants sprouted from seeds that have been in space, no deviations from plants cultivated in terrestrial conditions were revealed. [SFSCA](#)

INNOVATION / 25.01.2024

An Effective Complex for Monitoring Animals Was Developed in Belarus

The Scientific and Production Center of the National Academy of Sciences for Agricultural Mechanization has created a new hardware and software complex for the identification and monitoring of the physiological state of animals. This is reported on the website sb.by. The source claims that it allows significantly more information to be removed from a cow's collar and transferred to the farm's computer compared to foreign analogues. [GlavPahar](#)



INNOVATION / 25.01.2024

Yakut Scientists Plan to Build a Selection and Seed Production Center and an Agrobiotechnopark

The Ministry of Agriculture of Yakutia approved a plan for the development of agriculture in the region, which involves the construction of a selection and seed production center and an agrobiotechnopark in 2024-2027. In particular, they plan to launch biopharmaceutical production in the region. The draft program for scientific and technical support for the development of agriculture in the republic for 2024–2027 was reviewed and approved by the project office of Yakutia, the regional government said in a statement. In case of financial support, the program will begin to operate in 2025. [GlavAgronom](#)



INNOVATION / 25.01.2024

EFKO Will Begin to Analyze Feed Using the “Wet Chemistry” Method

“Smart Farm” EFKO has expanded the accreditation of its milk and feed research laboratory to carry out express analysis of feed and milk, including using the “wet chemistry” method. This is the first laboratory in Russia to offer analysis of this kind, the company noted. The laboratory responsible for the analysis is located in the EFKO innovation center in the Belgorod region and can process applications from all over Russia. In this case, the approximate turnaround time for the analysis is from 3 to 7 days. [Sfera.fm](#)



WORLD MARKET

WORLD MARKET / 25.01.2024

Russia and India Will Focus on Expanding Maritime Logistics

On January 24 of this year, a Russian-Indian symposium was held on the commissioning of the Eastern Sea Corridor (EMC), connecting the Indian port of Chennai with Vladivostok and other Far Eastern ports of Russia through the Strait of Malacca. Currently, most trade between the parties is carried out through the Western Sea Route, connecting the west coast of India and St. Petersburg via the Suez Canal and the Baltic Sea. Using EMC allows reducing transportation time between parties by almost 18 days, which reduces logistics costs and opens up new opportunities for expanding trade relations in the Pacific region. [New Indian Express](#)

WORLD MARKET / 25.01.2024

Algeria Agrees on Import Quota for Laying Hens from Spain

In order to stabilize the national market, on January 25 of this year, the Government of Algeria approved the introduction of a quota for the import of laying hens of the COBB 500 breed from Spain, according to which the total agreed upon number of preferential poultry imports amounted to 400 thousand heads per month. The specified cross most fully complies with the standards and requirements of the Algerian side. The increase in imports in the segment is intended to reduce retail prices for poultry products for the Algerian population on the eve of Ramadan. [Algerie360](#)



WORLD MARKET / 26.01.2024

Grain Supplies through the Red Sea Continue to Decline

Following attacks on ships in the Red Sea, more and more cargo ships carrying grain are being diverted around the Suez Canal. According to Kpler analysts, this week another 16 ships were sent around Africa in order to avoid passage through the Red Sea. Thus, the total volume of grain cargo that changed the route amounted to about 3.9 million tons compared to 3 million tons last week. Typically, approximately 7 million tons of grain are transported monthly through the Red Sea and Suez Canal. [Reuters](#)



WORLD MARKET / 27.01.2024

Türkiye Reduced Duties on Imports of Sunflower Oil

After the recent reduction in basic import prices for sunflower and sunflower oil, which did not bring the desired result, the Turkish Government has decided to reduce import duties. Rates for the import of sunflower seeds were reduced from 27% to 12%, for sunflower oil - from 36% to 22%. In addition, the Government established quotas for the import of 100 thousand tons of sunflower and 250 thousand tons of sunflower oil until April 15, 2024. [Tridge](#)



ANALYTICS

ANALYTICS / 25.01.2024

In 2023/24, China's Corn Harvest Is Expected to Boost

Thanks to the expansion of cultivated areas and abundant rainfall, corn production in China in the 2023/24 season will increase by 4.2%, to 288.8 million tons, the US Department of Agriculture predicts. Due to higher yields and lower prices, feed mills will increase the share of corn in animal feed, however, corn imports are forecast at 20 million tons, 3 million tons less than the previous forecast. The wheat harvest, despite an increase in sown area by 0.5%, will decrease by 0.8% to 136.6 million tons due to heavy rains that hit key producing regions before the harvest campaign . China's wheat imports are projected at 12.5 million tons.

[World Grain](#)

ANALYTICS / 25.01.2024

UK Cuts Pork Production to 5-Year Low

According to the National Pig Association of Great Britain (NPA), at the end of 2023, local pork production decreased by 11% compared to the previous year and amounted to 927,400 tons, which is the lowest value for this indicator since 2018. In addition, the two-year industry crisis has led to an increase in imports of pig products into the UK market. Since August last year, the volume of pork imports into the country has been growing monthly, reaching 71.3 thousand tons in November. [Pig Progress](#)



ANALYTICS / 25.01.2024

China Reached a Record Volume of Pork in 2023

In the 2023/24 marketing year, global exports of oranges will increase to 4.9 million tons against 4.3 million tons in 2022/23, tangerines - from 3.7 million tons to 3.9 million tons, grapefruits - from 570 thousand tons up to 605 thousand tons, lemons - from 2.4 million tons to 2.6 million tons. At the same time, exports of orange juice will remain approximately at the same level - 1.4 million tons. Egypt's orange exports are expected to increase by 25% to a record 2 million tonnes, driven by rising yields and the opening of new markets. As a result, Egypt will strengthen its position as the largest supplier of oranges to the world market. [USDA](#)



ANALYTICS / 26.01.2024

Groundwater Levels Are Dropping Around the World

Groundwater levels around the world have shown a “widespread and accelerated” decline over the past 40 years, driven by unsustainable irrigation practices and climate change, a study published in the journal Nature found. According to one of the co-authors from the University of California , Scott Jasechko , one of the most likely factors is excessive groundwater withdrawal for irrigated agriculture in dry climates. Northern China , Iran and the western United States are among the worst affected regions. [The Dairy Site](#)