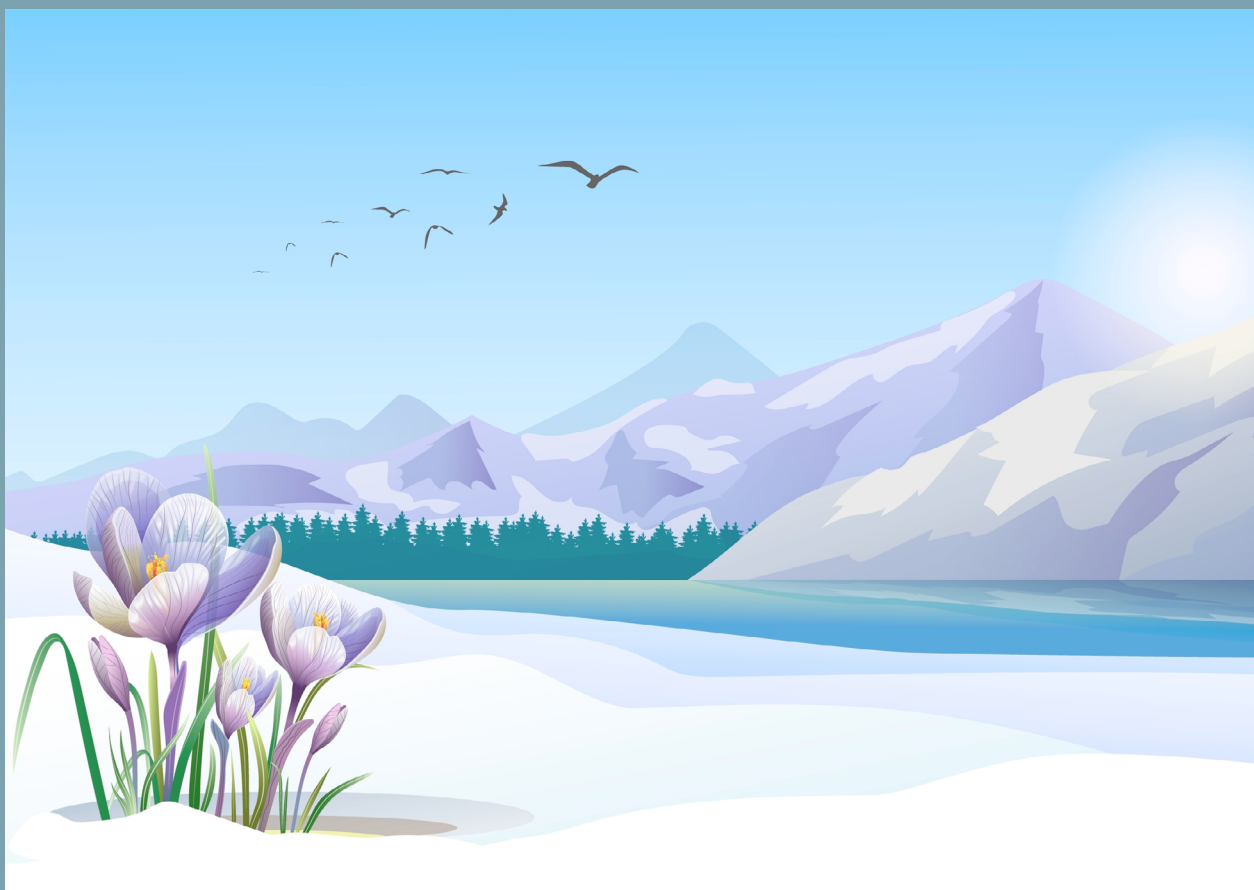


**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

26.02 – 03.03.2024



THREE MAIN TOPICS

- **Climate Change Disrupts Seasonal Flow of Rivers in Russia and the USA**
- **Scientists Developed an Intelligent Ripper for Applying Fertilizers**
- **In January, Global Beef Exports Set a Record for the Month**



EDUCATION

EDUCATION / 26.02.2024

A School for Young Reindeer Herders Was Opened in Transbaikalia

The school for young reindeer herders began operating in the Kalarsky district of the Trans-Baikal Territory with the support of the Udokan Copper company. "For the Evenks who live in the Kalar district, not only the language is a cultural code, but also reindeer herding. And by preserving this way of life, this traditional type of environmental management, we thereby preserve the unique culture of the Evenki people", Nikolay Gudkov, Director of Public Relations and Communications of the Udokan Copper company. [IA Krasnaya Vesna](#)



EDUCATION / 27.02.2024

The Head of NVIDIA Called for Becoming Farmers

The CEO of NVIDIA, the world leader in the development of graphics processors, Jensen Huang, said that soon the world will not need programmers — they will be completely replaced by artificial intelligence. According to the head of the American company, the younger generation today should focus on more important sciences: agriculture, biotechnology, manufacturing. [AgroExpert](#)



EDUCATION / 29.02.2024

The "Farmer School" Started in Chuvashia

In the Chuvash Republic, applications for participation in the competitive selection of the fifth stream of the educational project "Farmer's School" have started, this was announced at the opening of the XVI Interregional Industry Exhibition "Potato-2024". Training for aspiring agribusinessmen is once again organized by Rosselkhozbank together with the Ministry of Agriculture of the Chuvash Republic and the Chuvash State Agrarian University. Area of training: "Open-ground vegetable growing", "Hop growing" and "Agritourism". [Ministry of Agriculture of Chuvashia](#)



SCIENCE

SCIENCE / 26.02.2024

Ural Scientists Bred Two New Plum Varieties

The first red-fleshed plum varieties in the Urals were obtained by scientists from the Ural Federal Agrarian Research Center of the Ural Branch of the Russian Academy of Sciences. As one of the authors of the new varieties, the head of the Sverdlovsk horticulture breeding station UrFANITs, said Ural Branch of the Russian Academy of Sciences Tatyana Slepneva, both varieties are distinguished by high winter hardiness, productivity, late ripening and are already included in the State Register of Breeding Achievements and approved for use in the Ural region. Seedlings of new varieties for planting will be available in 2-3 years. [News Agency «Agenda»](#)



SCIENCE / 26.02.2024

Chinese Scientists Learned to Reduce Soil Salinity

Researchers from the Chinese Academy of Agricultural Sciences have developed a technique that makes it possible to transform salt marshes that are unsuitable for agricultural activities into fertile farmland. The South China Morning Post writes about this . The experiment was conducted in the salt flats of Wuyuan County in the Inner Mongolia Autonomous Region.

[ROSNG.RU](#)



SCIENCE / 29.02.2024

Climate Change Disrupts Seasonal Flow of Rivers in Russia and the USA

Climate change is disrupting the seasonal flow of rivers in the extreme northern latitudes of America, Russia and Europe and poses a threat to water security and ecosystems, according to a study by a team of scientists from the British University of Leeds. They analyzed historical data from 1965 to 2014 from 10,120 river hydroelectric stations around the world and found that 21% of them showed significant changes in seasonal rise and fall of water levels. The researchers also applied reconstruction data and advanced modeling. [IA Krasnaya Vesna](#)

SCIENCE / 01.03.2024

Altai Scientists Patented a Method for Boosting the Yield of Spring Wheat

During 2023, scientists from the Altai Territory worked on implementing projects in the field of biotechnology. They reported on the results of their work at the annual meeting of the Council for the Development of Biotechnology under the Governor of the Altai Territory in the regional government. During the meeting, a project was presented to develop technology for the use of silicon-containing biological fertilizer NaturAgro EcoGrow (with active Si) for cultivating crops in regional conditions. The industrial partner of the project was RusEko LLC Organix.

[GlavAgronom](#)



INNOVATION

INNOVATION / 26.02.2024

Chinese Scientists Elaborated a Covering Biofilm from Manure and Flax

Chinese researchers have developed a mulching film made from manure and flax. Scientists believe that the invention could become an environmental alternative to traditional plastic. The technology is based on the extraction of cellulose fibers from cow dung and flax straw fibers from flax stems. The promising technology also includes the fact that in parallel the problem of recycling manure and flax straw, which in most parts of China is now burned, is being solved, polluting the environment. [DairyNews.today](#)



INNOVATION / 26.02.2024

Scientists Developed an Intelligent Ripper for Applying Fertilizers

Scientists of the Kazakh Agrotechnical Research University named after S. Seifullin developed a chisel fertilizer subsoiler for subsoil layered and differentiated application of mineral fertilizers, reports the APK News agency. As told in KazATIU, the scientific project is aimed at solving the problems of reducing soil fertility, optimal plant nutrition, increasing the yield of crop products and reducing the agrochemical load on the environment. [APK News](#)



INNOVATION / 29.02.2024

Biomic Agritech Grows Cucumbers and Tomatoes upside down

Israeli startup Biomic Agritech has developed a plant for growing cucumbers and tomatoes upside down. Its testing is carried out in the Netherlands. At the moment, the goal of the startup founders is to minimize the use of human labor in the process of growing vegetables. They believe that all operations in a greenhouse with cucumbers and tomatoes growing upside down can be entrusted to robots. [Fertilizer Daily](#)

INNOVATION / 01.03.2024

Turkey Will Use Drones to Boost Fruit Yield

Artificial intelligence was used to monitor garden yields in Turkey, Anadolu reported on February 28 . The project was developed by a graduate student from the Department of Electrical and Electronics Engineering, Faculty of Engineering, Siirt University (SIU) to determine the yield of pomegranate, apple, orange and banana orchards. According to the creators of the program, for authenticity, the drone takes photographs of fruits on different days at different angles, under different weather conditions and light. [IA Krasnaya Vesna](#)



WORLD MARKET

WORLD MARKET / 27.02.2024

India Allows the Export of 130 Thousand Tonnes of Rice to Africa

The Indian government has approved shipments of 130,000 tonnes of broken rice and non-basmati white rice to Guinea-Bissau, Tanzania and Djibouti. Export restrictions on these categories of rice were introduced in India in September 2022 and July 2023, respectively. According to unofficial information, exemptions for export to African countries were made as «humanitarian aid» based on the recommendation of the Indian Ministry of External Affairs. Guinea-Bissau and Djibouti will each receive 50 thousand tonnes of broken rice, and Tanzania will receive about 30 thousand tonnes of non-basmati white rice. [Agence Ecofin](#)



WORLD MARKET / 28.02.2024

Three Russian Enterprises Are Registered to Supply Pork to China

The first three Russian companies received the right to export pork to China starting February 28, 2024. Chilled or frozen meat, boneless or on the bone, as well as offal, including legs, tails, cartilage, and pork fat, are allowed for delivery. In January 2024, the General Administration of Customs of the People's Republic of China issued a statement that the export of pork from Russia to China is permitted subject to compliance with relevant requirements. [Sputnik.cn](#)



WORLD MARKET / 29.02.2024

Zimbabwe Plans to Import 1.1 Million Tonnes of Maize

Over the next year, the Republic of Zimbabwe intends to purchase 1.1 million tonnes of corn abroad, the state newspaper The Herald reported. According to the Association of Grain Processing Enterprises of Zimbabwe, contracts have already been concluded for the import of 600 thousand tonnes. «In total, by next year we plan to import 1.1 million tonnes of corn,» the state newspaper The Herald quotes the president of the association. Imports are expected to come primarily from South Africa and South American countries. Zimbabwe's own maize crop has been severely damaged by prolonged drought due to El Niño. [The Dairy Site](#)

WORLD MARKET / 01.03.2024

Brazil Could Set a Record in Beef Exports in 2024

Brazil's livestock industry is currently at the low point of its production cycle, with the market clearing high stocks from 2023. Due to the increase in cattle slaughter volumes, the US Department of Agriculture forecasts record beef exports from Brazil in 2024 — 2.96 million tonnes, which is 2% more than 2023. According to department estimates, the South American country currently accounts for a quarter of all global cattle meat exports. In addition to Brazil, the top 5 exporters include Australia, India, the US and Argentina, which together account for another 43% of global trade. [USDA](#)



ANALYTICS

ANALYTICS / 26.02.2024

Demand for Seafood Weakens in Hong Kong

For a long period of time, fish and seafood in Hong Kong have been in high demand, and the per capita consumption rate was 5th in the world (65 kg/person per year). However, recently this situation has begun to change. According to distributors, against the backdrop of a slowdown in the economy of the Special Administrative Region of the People's Republic of China, retail outlets that offered fish products in the middle and high price ranges began to close. In addition, the spending of Hong Kong residents on seafood is decreasing, as well as the number of tourists, thanks to which the demand for premium seafood is largely ensured. [SeafoodSource](#)

ANALYTICS / 26.02.2024

EU Agricultural Exports Haven't Increased in 11 Months of 2023

In November 2023, EU agricultural exports amounted to 20 billion euro, bringing total shipments for the 11 months of 2023 to 210.8 billion euro, roughly the same as in 2022. At the same time, imports of agricultural goods and food into EU countries are estimated at 146.1 billion euros — 7% less than January-November 2022. The leading countries purchasing EU agricultural products remain the UK, the USA and China. The largest food suppliers to the EU market are Brazil, Great Britain and Ukraine. [European Commission](#)



ANALYTICS / 27.02.2024

In January, Global Beef Exports Set a Record for the Month

Global beef exports hit a record in the first month of 2024, up 13% from January 2023, says Global Beef. Quarterly Q1 2024", prepared by Rabobank . China remains the main buyer, accounting for 47% of global trade in volume terms, but Chinese imports fell by 3% compared to January 2023. The second largest import market is the USA with a share of 10%. In January, the United States imported a record 21 thousand tonnes of beef, which is 36% more than January last year. [Portal do Agronegocio](#)



ANALYTICS / 28.02.2024

A Global Sugar Deficit of 689 Thousand Tonnes Is Expected in 2023/24

The International Sugar Organization (ISO) has raised its global deficit forecast to 689 thousand tonnes in the current 2023/24 season (October-September). In the previous review, released in November, the figure was at 335 thousand tonnes. According to updated data, global sugar consumption will be 180.4 million tonnes, and production will be 179.7 million tonnes. In particular, the organization's analysts increased the estimate of sugar production in Brazil from 43.07 million tonnes to 44.52 million tonnes, but reduced it for Thailand — from 9.48 million tonnes to 8.24 million tonnes. [Nasdaq](#)