

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

04.12 – 10.12.2023



THREE MAIN TOPICS

- **Buckwheat And Greens Were Sprouted in Soil Simulating Soil from an Asteroid**
- **All Agricultural Support in Russia Will Go Digital by 2028**
- **Chinese Inspectors Will Visit Russian Pig-Breeding Enterprises**



EDUCATION

EDUCATION / 04.12.2023

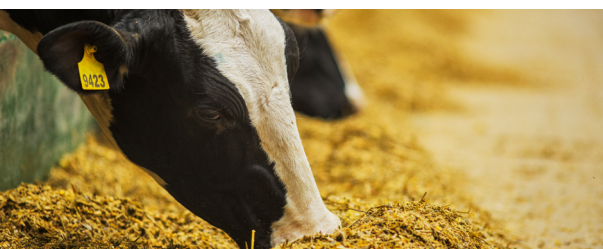
Kaluga Students Got Acquainted with Modern Agricultural Technology at the Miratorg Base

In November 2023, ABH Miratorg organized an excursion to the Shlippovo production base for Kaluga second- and third-year students in the field of "Maintenance and repair of vehicle systems and components" of the College of Transport and Service of the city of Sukhinichi. This was reported on the Miratorg website. In the Kaluga region, since 2014, the company has been implementing a project for beef cattle breeding and the production of high-quality beef. [Chief Plowman](#)

EDUCATION / 06.12.2023

Milknews Conducts Webinar «Technology of Progressive Use of Starch to Improve the Efficiency of Feeding Cows»

The technology of progressive use of starch to improve the efficiency of feeding cows will be the topic of the next webinar, which the Milknews news agency and the Cargill Dairy Academy will hold on December 14 at 10:00 on the Zoom platform. Dairy farming specialists, livestock specialists and managers of robotic farms, as well as anyone interested in working to improve the efficiency of raising livestock, are invited to participate. [Sfera.fm](#)



EDUCATION / 08.12.2023

Irkutsk State Agrarian University and Gomselmash Signed an Agreement

Irkutsk State Agrarian University signed an agreement on joint activities with the production enterprise OJSC Gomselmash in the Republic of Belarus, where the delegation of the Irkutsk region led by Governor Igor Kobzev was on a working visit. The purpose of the agreement is to increase the efficiency and quality of the educational process, train highly qualified specialists and conduct scientific research.

[Chief Plowman](#)



SCIENCE

SCIENCE / 04.12.2023

Buckwheat And Greens Were Sprouted in Soil Simulating Soil from an Asteroid

Japanese scientists were able to grow three types of food plants in soil whose composition mimics samples from the Ryugu asteroid, a celestial body whose orbit is relatively close to Earth. Its soil is considered one of the most primordial materials in the solar system. It is noted that the results obtained give hope that it will be possible to solve the problem of producing food in space. [Science](#)



SCIENCE / 04.12.2023

Tomsk Polytechnic University Is Developing Aviation Biofuel from Vegetable Oils

Scientists from the Advanced Engineering School of Tomsk Polytechnic University have received prototypes of aviation biofuel based on vegetable oils and culinary waste, the university's press service reports. As part of the project, the university is simultaneously developing an intelligent database using artificial intelligence methods. It will optimize the process of obtaining biofuels, as well as simplify the selection of components, catalysts and parameters for the synthesis of new fuels on an industrial scale.

[Interfax](#)

SCIENCE / 06.12.2023

Scientists Discovered Dangerous Properties of Modern Strains of Avian Influenza Virus

British scientists have identified several genetic characteristics that explain the ability of some strains of highly pathogenic avian influenza to spread rapidly among birds, and also to constantly expand their range of influence, affecting an increasing number of different species. It is also reported that after the publication of their results, the group received additional funding to study the evolution of the virus and predict the emergence of new strains. [ViZh](#)



INNOVATION

INNOVATION / 04.12.2023

Belarusian Machine Builders Tested Equipment Printed on A 3D Printer

In foundry shop No. 3 of the Minsk Tractor Plant, new equipment made on a 3D printer was tested. This was reported by the Traktor.bel portal. As the source assured, the casting molds were delivered to MTZ as part of a joint project between the Minsk Tractor Plant and the Russian company LANIT JSC to transfer design, technological and production processes into a unified digital and paperless environment. [Chief Plowman](#)

INNOVATION / 05.12.2023

All Agricultural Support in Russia Will Go Digital by 2028

Prime Minister Mikhail Mishustin approved a new strategy for the digital transformation of the agro-industrial complex and the fishery sector until 2030. The order lists the government's plans and expectations for the industry. For example, it has already been approved that in 2024 3 billion rubles will be allocated for digitalization of the industry. The order specifies a new "road map" for the development of the industry, including stages of strategy implementation, and outlines individual tasks. [Rambler](#)

INNOVATION / 07.12.2023

Russia Can Supply Technical Solutions for the Fishing Industry to India

Rosselkhozbank and Skolkovo have organized the meetup "Russia — Republic of India" on the RSHB in Digital platform. The event was attended by specialists from industry development institutes, research institutes, as well as heads of agrotechnical companies from both countries. Experts discussed the development of the fisheries complex of both countries, technological challenges facing the industry, and measures to support innovative companies in the Indian market. [Fishnet](#)

INNOVATION / 08.12.2023

American Scientists Developed a Portable Device for Diagnosing Swine Flu

The American biotechnology company Anitox Systems spoke about a new development that will soon enter the international market. We are talking about a portable diagnostic device that can be used on farms to diagnose swine flu in a timely manner. The device is suitable for small and medium-sized livestock farms, the company says. Australia is developing a vaccine against African swine fever, which can even be used on pregnant animals. [Sfera.fm](https://www.sfera.fm)



WORLD MARKET

WORLD MARKET / 04.12.2023

Brazil Confirms Outbreak of Classical Swine Fever

Authorities in Brazil confirmed the detection of a case of classical swine fever on November 23 of this year on a farm in the state of Piaui in the north of the country. In order to prevent further spread of the epizootic, local authorities culled all animals in the infected area and began an investigation into possible epidemiological links. As expected, this circumstance will not entail restrictions on the export of pork from Brazil, since the affected region is not part of the country's CSF-free zone. [Pig Progress](https://www.pigprogress.com)



WORLD MARKET / 04.12.2023

Canada's Durum Harvest Hits Second Low in 13 Years

Statistics Canada raised its estimate for the country's wheat harvest this year to 32 million tonnes, up from 29.8 million tonnes forecast in September. At the same time, the updated estimate is still the second lowest in the last 6 years. In particular, Canadian farmers produced 4 million tonnes of durum wheat, which was the second lowest level in 13 years. The canola harvest in Canada, its largest exporter, amounted to 18.3 million tonnes — 2% less than last year's volume, but 5.2% more than the September forecast.

[Nasdaq](https://www.nasdaq.com)



WORLD MARKET / 05.12.2023

Global Dairy Companies Form Alliance to Combat Methane Emissions

Dairy companies will begin to disclose information about their methane emissions as part of a new global alliance, announced on December 5 at the UN climate summit in Dubai (COP28). Danone, Bel Group, General Mills, Lactalis USA, Kraft Heinz and Nestle have joined the Dairy Methane Abatement Alliance. From mid-2024, companies will begin reporting their methane emissions, and by the end of next year will develop action plans to combat global warming. [Reuters](https://www.reuters.com)



WORLD MARKET / 05.12.2023

Chinese Inspectors Will Visit Russian Pig-Breeding Enterprises

In the period from December 4 to 14 of this year, a delegation from the State Technical University of the People's Republic of China will visit Russia to get acquainted with the Russian system of veterinary supervision, the activities of research institutes of Rosselkhoz nadzor and conduct inspections of pig-breeding enterprises interested in exporting their products to the Chinese market. Previously, the Russian side carried out large — scale work to harmonize the requirements of the PRC regarding the control of African swine fever, which led to the abolition in September of this year of restrictions on the import of pork from Russia to the PRC, which had been introduced by the Chinese side in 2008. [T.S.C.](#)

 **ANALYTICS**

ANALYTICS / 04.12.2023

Strategy Grains Revised EU Oilseed Production Forecast

Consulting agency Strategie Grains downgraded its EU sunflower production estimate to 10.05 million tonnes from 10.1 million tonnes due to lower-than-expected gross harvests in Romania. A downward adjustment was also made to estimate the soybean yield, from 2.99 million tons to 2.83 million tons. At the same time, the forecast for the gross harvest of rapeseed in the EU countries was increased from 19.74 to 19.76 million tonnes. Thus, the sunflower harvest in the EU will increase by 7% compared to last year, soybeans by 13%, and rapeseed by 1.6%. [Nasdaq](#)



ANALYTICS / 04.12.2023

Rabobank: Global Seafood Supply to Increase in 2024

Global aquatic supply is likely to rise in 2024 as key aquaculture production sectors return to growth after a turbulent 2023. This is stated in a new analytical report from Rabobank. In particular, global shrimp production is projected to recover from a 0.4% decline in 2023. In addition, global production of salmon will increase after two years of stagnation or decline, as well as various fish from the whitefish family. [SeafoodSource](#)

ANALYTICS / 05.12.2023

China Will Remain a Net Importer of Fish in the Near Future

In the coming years, China will remain one of the largest producers of fish and seafood, but at the same time will maintain the status of a net importer. This assessment was given by Xie Zhongming, Deputy Head of the Research Department of the Trade Promotion Center under the Ministry of Agriculture and Rural Affairs of the People's Republic of China. "The potential for importing seafood products will soon be fully revealed," he expressed confidence. According to the expert, the structural gap in supply and demand, as well as low customs tariffs, encourage China to increase purchases of aquatic biological resources abroad. [SeafoodSource](#)

ANALYTICS / 05.12.2023

ICO Predicts Surplus in Global Coffee Market in 2023/24

The global coffee market should become surplus in the 2023/24 season due to increased production. This is stated in the report of the International Coffee Organization (ICO), published on December 5. The organization's analysts predict a surplus of 1 million bags against a deficit of 4.9 million bags in the previous season. World coffee production in 2023/24 will increase by 5.8%, to 178 million bags, including Arabica — by 8.7%, to 102.2 million bags, and Robusta — by 2.2%, to 75.8 million bags. At the same time, global coffee consumption will increase by 2.2%, to 177 million bags. [Nasdaq](#)