

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

22.05 – 28.05.2023



THREE MAIN TOPICS

- **PhosAgro Educational Center Opened at SPbSAU**
- **Russia, China Sign Memorandum on Trade Cooperation**
- **Brazil Declares Animal Health Emergency due to Bird Flu**



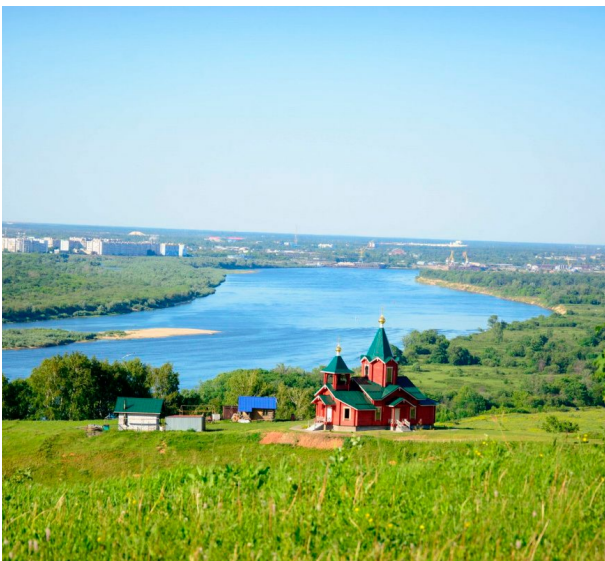
EDUCATION

EDUCATION / 22.05.2023

First Regional Forum of Agrarian Classes in the Nizhny Novgorod Region

During the Day of graduates of agrarian classes at the site of Nizhny Novgorod State Agricultural Academy (NNSAA), it was announced that the first regional forum of agrarian classes would be held in the Nizhny Novgorod region in the fall of 2023. As noted by the acting Minister of Education and Science of the Nizhny Novgorod Region Irina Kizilova, agrarian classes operate in 26 schools in 17 municipalities of the region. The project is implemented by the Ministry of Agriculture and Food Resources and the Ministry of Education and Science of the region with the support of NNSAA.

[GlavAgronom](#)



EDUCATION / 23.05.2023

Global Food Institute to Open in US

Celebrity chef José Andres and George Washington University have announced the creation of a new research institute to address the challenges facing the global food system. It is assumed that the new center will conduct research to improve national and global food policy, launch incubators and develop innovative approaches to food problems. It will also become a platform for dialogue between the public and private sectors. [Axios](#)

EDUCATION / 24.05.2023

PhosAgro Educational Center Opened at SPbSAU

PhosAgro has opened an educational center at St. Petersburg State Agrarian University (SPbSAU). It is a multifunctional branded auditorium equipped with modern computers and multimedia facilities. There is also a phytolaboratory, that allows students to conduct educational experiments and research work. Besides that, the company arranged a comfortable recreation area for students, equipping the territory with a library and places for independent work. [PhosAgro](#)

 SCIENCE

SCIENCE / 24.05.2023

Scientists Studied the Potential of Garlic against Coccidiosis in Broilers

A study published in the Journal of Applied Poultry Research concludes that garlic and its bioactive compounds exhibit anti-inflammatory and antioxidant properties and that there are various benefits to the supplementation of garlic in coccidiosis-infected broiler diets. The researchers determined that different proportions of garlic products administered improve growth performance and decrease faecal oocysts output, lesion score, and pathological signs post-infection. [Poultry World](#)

SCIENCE / 24.05.2023

Biologists Learned to Determine a Chicken's Sex before it Hatches

Scientists from the University of California have developed a way to determine a chicken's sex before it hatches. Using a special suction cup, they collected volatile substances penetrating through the shell to the surface of an egg, and analyzed data, compiling chemical profiles that differ in chicken embryos of different sexes. Scientists have already patented a new sex determination technology. It will be commercialized by Sensit, a startup specializing in chemical sensor development.

[Naked Science](#)



SCIENCE / 26.05.2023

Belgorod Scientists Developed Yogurt with Wormwood Filling

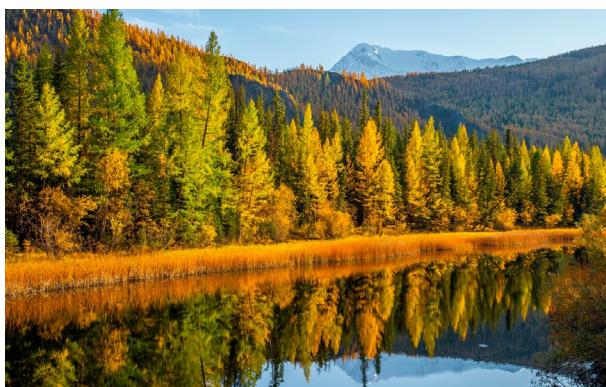
Scientists of the Belgorod State National Research University have patented a method for producing yogurt containing a nanostructured dry extract of wormwood. "Wormwood glycosides ... tone up the kidneys, blood vessels and muscles, affect the release of enzymes, are responsible for the oxidation and synthesis of organic acids," the press service of the project leader Nina Myachikova quotes. The project was implemented within the framework of the scientific and educational center "Innovative solutions in the agro-industrial complex". [Interfax](#)

 INNOVATION

INNOVATION / 22.05.2023

Innovative Sensor for Greenhouses in Russia

The E-SHKAF plant has elaborated a system for monitoring production capacities for greenhouses, capable of calculating even 1 out of 180 thousand phytolamps. "Our system showed that we can monitor the shutdown of 1 lamp. Even with the little power they had. At the same time, the system of the European competitor understood that something was wrong when as many as 5 lamps went out. The customer could save 15–20% of expenses by applying our solution," says Pavel Cheremisn, general director of the plant. [GlavPahar](#)



INNOVATION / 22.05.2023

Brazil Presented a Moisture and Temperature Probe

Crop storage specialist, Martin Lishman, has introduced the AgroLog moisture and temperature probe. The 2-metre-long probe can accurately determine the moisture content of stored grain. Once positioned in the crop, it collects moisture and temperature data and sends it to the cloud for further analysis. The data can be accessed and manipulated using the AgroLog app. The AgroLog app can be downloaded from both the Apple App Store and Google Play Store. There is also a Web App version which will run in any internet browser. [Lewis Business Media](#)

INNOVATION / 24.05.2023

Using Data to Boost Tilapia Health and Growth Rates

French startup Bioceanor has developed a system that can measure more than 15 physico-chemical parameters — including temperature, salinity, pH, oxygen and turbidity — allowing farmers to visualise water quality data in real time and be provided with alerts through a dedicated web interface. It will also be supported by Virbac, the international fish health specialists. Such services aim to mitigate risks and improve production efficiency, while also improving its environmental sustainability. The system is being tested on a tilapia farm in Ghana. [The Fish site](#)



INNOVATION / 25.05.2023

UK Launches Grain Robot

Crover, based at the UK's National Robotarium, has launched a burrowing robot that floats grain piles to store crops more efficiently. The compact device has built-in humidity and temperature sensors and uses two domed wheels. As it moves through the grain, it transmits data and analysis to a dashboard, giving users an accurate picture of the condition of the grain. More precise technical characteristics of a new robot and the date of entry into the market have not yet been unveiled by the creator. [GlavPahar](#)

WORLD MARKET

WORLD MARKET / 23.05.2023

South Korea Resumes German Pork Imports

South Korea is resuming imports of German pork after suspending them for more than two years following the discovery of African Swine Fever (ASF) in Germany, the German agriculture ministry said on Tuesday. South Korea has accepted the rationalisation concept, under which only pork imports from the region affected by the disease are restricted, the ministry said. The first three German slaughterhouses and meatpackers have been authorized to resume exports to South Korea immediately. [Nasdaq](#)



WORLD MARKET / 24.05.2023

Russia, China Sign Memorandum on Trade Cooperation

The Russian Ministry of Economic Development and the Ministry of Commerce of China signed a memorandum on deepening cooperation in the services trade sphere, the press service of the Russian ministry said. The parties agreed to develop the Russian-Chinese interregional trade in service, encourage participation of companies of the two countries in different exhibitions and fairs focused on development of the services trade, and to stimulate Russian and Chinese businesses for holding joint events in the field of educational, healthcare, financial, transport, construction, technical, and other services. [TASS](#)

WORLD MARKET / 24.05.2023

Brazil Declares Animal Health Emergency due to Bird Flu

Brazil has declared an official state of animal health emergency throughout its territory after several cases of avian influenza (bird flu) were confirmed. The country's minister for agriculture, Carlos Favaro, declared a state of zoosanitary emergency due to cases of the H5N1 strain of the virus in wild birds. That brought to eight the total number of wild bird cases of bird flu in Brazil in recent days, with seven cases confirmed in Espirito Santo and one in the state of Rio De Janeiro. The emergency order also extends, for an indefinite period, a suspension on exhibitions, tournaments, fairs and other events where birds might be kept in close proximity. This applies to all birds kept in captivity. [Agriland](#)



ANALYTICS



ANALYTICS / 22.05.2023

IGC Sees Record Total Grains Output in 2023/24

Total grain production is expected to reach an all-time high in the 2023/24 marketing year, according to the latest monthly forecast by the International Grains Council (IGC). In its May Grain Market Report, the IGC revised its total grains (wheat and coarse grains) outlook upward by 3 million tonnes to what would be a record 2.294 billion tonnes. Despite the larger supply outlook, the IGC projects ending stocks to tighten to 580 million tonnes due to a comparatively sharper gain in consumption, which is forecast to reach 2.302 billion tonnes. [World Grain](#)

ANALYTICS / 23.05.2023

Russian Ministry of Agriculture: Mushroom Production in Russia Hit a Record

According to the results of 2022, cultivated mushroom production in Russia has increased by 16.5%, to 128.7 thousand tonnes, the press service of the Russian Ministry of Agriculture reports. The ministry clarified that this is a record figure for the country's mushroom industry. The Krasnodar Territory, Kursk, Leningrad, Moscow, Kaluga Regions and the Republic of Tatarstan became the leaders in the volume of mushroom production.

[Agroinvestor](#)

ANALYTICS / 26.05.2023

ASF EU: Cases Declined in Pigs and Wild Boar in 2022

The number of African Swine Fever (ASF) outbreaks in pigs and cases reported in wild boar in the European Union fell significantly in 2022 compared to 2021, according to a report recently published by the European Food Safety Authority. In 2022, ASF outbreaks among domestic pigs in the EU decreased by 79% and wild boar — by 40% compared to 2021. The decrease was particularly marked in Romania, Poland and Bulgaria. ASF was notified for the first time in North Macedonia.

[Pig Progress](#)



ANALYTICS / 28.05.2023

China Futures: Meat Consumption in China to Grow by 28 Million Tonnes

According to China Futures, China's meat demand will grow by 28 million tonnes by 2033. This was stated by Xin Wei, chief analyst of the livestock and meat industry for the agency, during the trade mission of Bord Bia to Shanghai. It is expected that meat consumption in the country will grow to about 80kg/capita. This figure is currently at approximately 60kg/capita. Xin Wei also added that in the past 10 years, China's total meat production has accounted for about 25% of the world's total production. [Agriland](#)