

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

17.07 – 23.07.2023



THREE MAIN TOPICS

- [Scientists Map the First Corn Genome](#)
- [India Bans Non-Basmati Rice Exports](#)
- [Bloomberg: Hot Weather Pushes up Food Prices](#)



EDUCATION

EDUCATION / 18.07.2023

Young Scientists from 8 Russian Regions Came to the Vavilov School

Kuban Experimental Station of N.I. Vavilov All-Russia Research and Development Institute of Plant Growing hosted the annual N.I. Vavilov International workshop for young scientists. This year, more than 20 young scientists came to the Kuban — they were from the Republics of Adygea and Sakha (Yakutia), Omsk, Belgorod and Kaliningrad regions, Krasnodar Territory, as well as Moscow and St. Petersburg. The School was aimed at acquainting students with a wide variety of genetic resources of cultivated plants, preserved and studied by the employees of the Kuban branch. Sfera.fm

EDUCATION / 18.07.2023

Russian and Chinese Universities Expand Cooperation

Representatives of Northeastern Agricultural University (Harbin, China) visited Ural Research Veterinary Institute. The Chinese guests were shown the PCR laboratory, the laboratory of plant micropropagation and the phytotron complex of the scientific selection and seed center in the field of potato growing. The parties also signed an agreement on scientific and technical cooperation. GlavAgronom



EDUCATION / 19.07.2023

An Educational and Production Agricultural Cluster Will Be Launched in the Tula Region

By the end of the year, new educational and production clusters will be created in the Tula region as part of the Professionalism project. In particular, the agricultural cluster is planned to be launched on the basis of Tula Agricultural College, and the machine-building cluster — on the basis of the Technical College of Tula State University. To date, there are only two such types of programs in the region — in the chemical sector. Interfax

EDUCATION / 20.07.2023

SSAU Opens a New Master's Program

Stavropol State Agrarian University (SSAU) and the Russian State University of National Economy named after V. I. Vernadsky have opened a joint educational program "Management of sustainable development of rural areas", which will train managers to solve challenges in rural areas. A new program was presented during the working visit of the First Deputy Minister of Agriculture Oksana Lut to the Stavropol Territory. SSAU



SCIENCE

SCIENCE / 17.07.2023

Scientists Map the First Corn Genome

University of Nebraska scientist James Schnaible and colleagues have created the first complete map of the maize genome. "Research results could help us create tools to breed new corn varieties that will be adapted to certain conditions. This will become possible because of the fact that we will identify the functions of individual genes in corn," said Charles O. Gardner Professor of Agronomy. [GlavPahar](#)



SCIENCE / 22.07.2023

American Scientists Conduct a Large-Scale Study of the Herbicide Resistance of Wheat

A new study conducted by Kansas State University will help farmers find new solutions to protect wheat from post-emergence weeds. According to scientists, various options for herbicide protection in weed control are fully justified, especially against the background of herbicide resistance in many major weeds in modern agriculture.

[GlavAgronom](#)



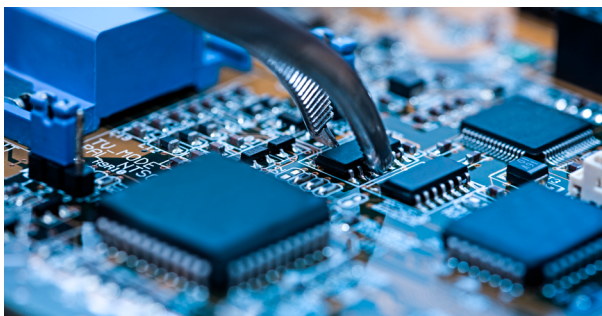
INNOVATION

INNOVATION / 18.07.2023

Russian Scientists Developed a Wireless Charging System for Drones

Scientists of the Yuri Gagarin State Technical University of Saratov have elaborated a wireless system that can be used to charge aerial drones. The system is a flat transmitting and receiving electromagnetic coils connected to a current source, a power line, and a receiver in the form of an unmanned aerial vehicle, respectively.

[Gazeta](#)



INNOVATION / 21.07.2023

Ireland Launches Online Chip Verification Portal

Minister for Agriculture, Food and the Marine, Charlie McConalogue has announced a new online portal that allows members of the public to check, in real time, whether a horse or donkey is recorded on the central equine database. "The chip checker portal delivers a number of benefits consistent with this goal, whether it is allowing vets to view food-chain status, prospective buyers to verify identity, or assisting with the tracing of lost or stolen animals," — he added.

[Agriland](#)



INNOVATION / 22.07.2023

KTDA Launches Farmer Platform to Enhance Communication

The Kenya Tea Development Agency (KTDA) has launched a new platform that enhances communication, engagement, and account management for its over 600,000 smallholder tea farmers. Through the initiative, tea farmers will now be able to receive daily, weekly, and monthly notifications on plucked tea weights; notifications on payments; conduct queries on fertilizer disbursements; receive regular news updates from the organization; and receive extension services.

[Food Business Africa](#)



INNOVATION / 22.07.2023

Norwegian Startup Tests a Virtual Animal Fencing System

The Norwegian startup team Nofence has created the world's first virtual fencing system for animals in a pasture. The system is completely virtual and invisible. The cow wears a solar-powered GPS collar, and when it crosses a virtual border, it hears a warning musical tone. Otherwise, it receives a weak electrical impulse. The developers say that the system does not create any stress for animals, and the virtual field boundaries can be easily changed using the application. [Agronomika](#)



WORLD MARKET

WORLD MARKET / 17.07.2023

Newcastle Disease Returns to Poland for the First Time in 50 years

The World Organization for Animal Health has received information about an outbreak of Newcastle disease in Poland where the last infectious disease of Newcastle disease was recorded in 1974. The virus is highly pathogenic and leads to the death of the entire flock. Newborn chicken plague resembles bird flu, including wild birds, which is a highly contagious and violent disease that kills entire flocks. [THEGAZE](#)



WORLD MARKET / 17.07.2023

Anthrax Outbreak Reported in Nigeria

Anthrax outbreak occurred on a farm in central Nigeria. This was reported by the Ministry of Agriculture and Rural Development of Nigeria. "The disease was detected on a livestock farm in the Gajiri district of the state of Niger, where cattle, sheep and goats were kept," the Xinhua news agency quoted excerpts from the ministry's communiqué. "All animals affected by anthrax died". [TASS](#)

WORLD MARKET / 20.07.2023

India Bans Non-Basmati Rice Exports

The Government of India has decided to ban the export of most varieties of rice except Basmati. Thus, the ban covers approximately 80% of the country's exported rice. The decision is effective from today. Restrictions were caused by the fall in the harvest due to extreme weather conditions. In particular, the traditional rainy season began much later than usual, which led to the loss of part of the crop due to water shortage. [Reuters](#)



WORLD MARKET / 21.07.2023

Egypt to Sign a Renewable Loan Deal for Grain Purchase

Egyptian Supply Minister Ali Moselhi announced the country's intention to sign a 100 million dollars renewable loan facility with the Abu Dhabi Fund for Development (ADFD) to fund its grain purchases. Abu Dhabi-based Al Dahra will be one of the first grain suppliers under the agreement, but the funds could also be used for other purchases, it said. The loan will be provided through the ADFD Abu Dhabi Export Office (ADEX). [APK Inform](#)



ANALYTICS

ANALYTICS / 17.07.2023

EU Beef Production to Continue to Decrease by 1.8% in 2023

EU beef production is forecasted to decrease by 1.8% in 2023, according to a recent report published by the EU. The document notes that, during the first quarter of 2023, beef production in the region declined by 3.7%. EU beef exports are expected to fall by 5% in 2023 as suppliers from the region face increased competition in high value-added markets. [Agriland](#)

ANALYTICS / 20.07.2023

IGC: Record Total Grains Output Forecast for 2023/24

World total grains production in the 2023/24 marketing year is forecast to edge 2% higher year-on-year to a record 2.297 billion tonnes, according to the International Grains Council's (IGC) monthly Grain Market Report. The IGC sees global corn production up 9 million tonnes from last month's projection and 64 million tonnes from the previous year, reaching 1.22 billion tonnes in the current marketing year. Wheat production is projected to fall by 19 million tonnes year-on-year, while barley is seen declining by 9 million tonnes, the IGC said.

[World Grain](#)



ANALYTICS / 21.07.2023

Turkish Flour Exports Projected to Set Record

Turkey is expected to ship a record 5.4 million tonnes of flour in the 2023/24 marketing year, according to the latest quarterly update from the International Grains Council (IGC). "With likely slower demand from Iraq, a key buyer of Turkish flour, deliveries are expected to be partly shifted to other destinations in Near East Asia and sub-Saharan Africa," the IGC said. [World Grain](#)



ANALYTICS / 22.07.2023

Bloomberg: Hot Weather Pushes up Food Prices

Global food security is under threat due to abnormal heat. Scientists predict a global rise in food prices in the near future. Heatwaves in the US and China, the announced rice ban in India, and El Niño (a warmer-than-usual phenomenon in the equatorial Pacific Ocean) that could further damage agriculture are key concerns. [Bloomberg](#)

