

**INSTITUTE OF WORLD  
AGRICULTURAL MARKETS**

# **MEDIA DIGEST**

**10.07 – 16.07.2023**



## THREE MAIN TOPICS

- **SSAU Will Start Training Drone Specialists**
- **A Pilot Project on Agroscouting Will Be Launched in 17 Russian Regions**
- **Conab Raises Brazil's Record Grain Harvest**



### EDUCATION

EDUCATION / 10.07.2023

#### SSAU Will Start Training Drone Specialists

Stavropol State Agrarian University (SSAU) will begin training specialists in unmanned aerial vehicles. The new educational program will teach how to design, set up, repair as well as manage agricultural drones. The university has access to the whole range of professional unmanned aerial vehicles that are used for aerial photography. The program provides for 6 budget and 8 commercial places, full-time and part-time forms of education. [SSAU](#)

EDUCATION / 11.07.2023

#### Advanced Training Course on Avian Diseases

On July 17, the advanced training course "Actual schemes of vaccine prevention in industrial poultry farming" will begin. The program is divided into several information blocks: viral, bacterial and parasitic diseases. The training course will take place in the format of online lectures, live broadcasts on Zoom with leading poultry experts. The program is led by an Academician of the Russian Academy of Sciences, Director of the Research Consulting and Diagnostic Center for Poultry Farming of St. Petersburg State University of Veterinary Medicine Edward Javadov. [Sfera.fm](#)



EDUCATION / 14.07.2023

#### SSAU Delegation Visited One of the Largest Micropropagation Laboratories

As part of a working visit to Turkey, scientists from Stavropol State Agrarian University (SSAU) visited the modern production complex Invitro Fidan, located in the province of Izmir. "There are about 5 such laboratories in Russia, but a full cycle from selection to planting material is rare. Based on advanced technologies, we intend to offer the agro-industrial complex disease-resistant and high-quality domestic rootstocks to obtain healthy seedlings," commented Vladimir Sitnikov, rector of SSAU. [SSAU](#)

EDUCATION / 14.07.2023

#### Nebraska Schools Team up for Meat Training

The Nebraska College of Technical Agriculture (NCTA) announced it received a grant to provide targeted curriculum to train potential and current employees for meat processing. NCTA will work with the University of Nebraska-Lincoln's Department of Animal Science to develop the programs along with the private sector employers. The project noted that the training materials would be in both English and Spanish. "Industry emphasized that it would go a long way if potential hires had a baseline understanding of the industry and potential job paths before they started their employment, along with some preliminary training in essential skills," dean of NCTA said. [Meat+Poultry](#)



SCIENCE

SCIENCE / 11.07.2023

**Study Highlights Potential Causes for Changing Foraging Habits of Bumblebees**

Scientists from the University of Kassel (Germany) and the Leibniz Institute for the Analysis of Biodiversity Change (Germany) studied how the feeding habits of bumblebees changed between the late 1960s and 2019. It turned out that there was a noticeable decrease in interactions with Fabaceae plants in 2019 compared to the past. "This suggests that changes in the landscape have led to alterations in the availability of floral resources, which may contribute to the decline of specialized bee species," the researchers explain.

[AZOLifeSciences](#)



SCIENCE / 12.07.2023

**World's First Offset-Free Carbon Negative Beer**

Gipsy Hill Brewery in London has created what it claims is the world's first offset-free carbon negative beer. The Swell Lager and Trail Pale are brewed using barley grown through regenerative farming and hops that have been recaptured and reused. The carbon-negative beer is now available at several locations, including Gipsy Hill Tavern in South London and a selection of Youngs locations across the UK. [RTraveler](#)

SCIENCE / 12.07.2023

**Mineral Apatite and Microorganisms Will Help Plants Avoid Phosphorus Deficiency**

Scientists from the Federal Research Center for Biotechnology of the Russian Academy of Sciences determined that the simultaneous introduction of apatite and soil microorganisms of the Bacillus genus into the soil makes phosphorus more available for plants. The approach will serve as an environmentally friendly alternative to chemical fertilizers that lead to soil and water pollution. The results of the study are published in the journal Agronomy. The work was carried out within the framework of the project of the world-class scientific center "Agrotechnologies of the Future" and supported by the national project "Science and Universities". [Russian Ministry of Agriculture](#)

SCIENCE / 15.07.2023

**MISIS Developed a New Alloy that Boosts Engines Durability**

Scientists from the University of Science and Technology MISIS have patented an improved aluminum-calcium alloy (Al — 8% Ca — 1% Ni — 2% Mn systems), which serves for producing more durable engines for cars, trucks and agricultural vehicles. It can also be used to fabricate welded-cast structures and components in aircraft, instrumentation in the space industry, as well as parts for shipbuilding. [GlavPahar](#)







**INNOVATION**

**INNOVATION / 11.07.2023**

**Miniature Drones for Pest Control**

Wageningen University & Research in the Netherlands has created a system based on infrared cameras, artificial intelligence and miniature drones designed to control insects in greenhouses. Detecting a pest, the system activates the drone, which "attacks" harmful insects and doesn't touch beneficial ones. The device is currently being tested. Deliveries across Europe are expected this year. [Direct.Farm](#)



**INNOVATION / 12.07.2023**

**A Pilot Project on Agroscouting Will Be Launched in 17 Russian Regions**

17 constituent entities of Russia participate in a pilot project on agroscouting. The project is planned to form a digital map of agricultural land indicating the state of the soil, its nutrient content, as well as weather conditions during the growing season. All information will be available in a mobile application. According to developers, the device will help farmers determine the most suitable places for planting specific crops, which leads to increased yields.

[Direct.Farm](#)

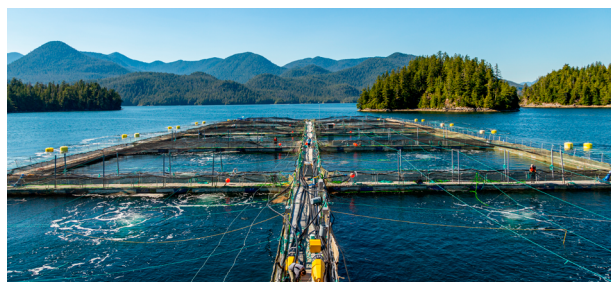


**INNOVATION / 13.07.2023**

**Remote Feeding System for Fish Farms**

Satellite-enabled communication specialist Krucial has launched a new system which will make it possible for fish farm operators to feed their fish remotely as well as obtain environmental information they need from anywhere on earth. The new solution will transmit high bandwidth video data over cellular or satellite, whichever is available. This means that even in extreme weather or further offshore, where connectivity has traditionally been an obstacle, farmers still have an overview of their operations and can still feed remotely.

[The Fish site](#)







WORLD MARKET

WORLD MARKET / 10.07.2023

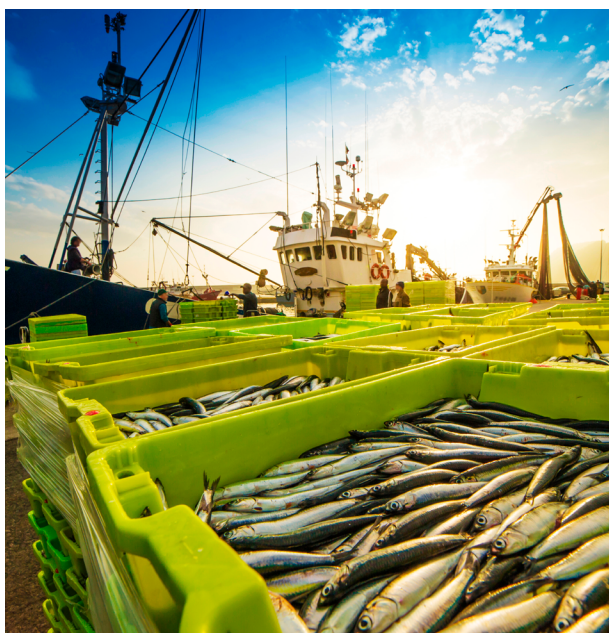
**China Banned on Japanese Seafood from 10 Prefectures**

China has extended a ban on Japanese seafood from 10 prefectures including Fukushima and is planning to step up checks on Japanese imports after its Asian neighbor plans to dump radioactive waste water into sea this summer. The dumping which was just approved by UN's nuclear security watchdog IAEA would see radioactive waste water at the Fukushima Daiichi plant, currently in tanks, being discharged into the Pacific Ocean. [Vino Joy News](#)

WORLD MARKET / 11.07.2023

**Russia and Belarus Are Going to Form a Joint Fishing Fleet in the Black Sea**

Belarusian and Russian enterprises want to launch a joint fishing fleet in the Black Sea, Mikhail Solomentsev, Acting Permanent Representative of the Republic of Crimea to the President of Russia, said during the Innoprom-2023 exhibition in Yekaterinburg. "Another interesting topic that we are discussing is forming a joint Belarusian-Russian fishing fleet for fishing in the Black and Mediterranean Seas, as well as on the western coast of Africa," he said. [IA Red Spring](#)



WORLD MARKET / 13.07.2023

**Kenya's Food Industry to Reap Big from Renewed Trade Cooperation with Iran**

Kenya's food industry, meat, tea, and coffee sectors in particular, are expected to reap big from the higher volumes of trade expected from the renewed trade cooperation with Islamic Republic of Iran. According to the Kenyan president, Dr William Ruto, through the renewal of our cooperation with Iran, Kenya is looking into using Iran as a gateway to access 12 other countries in Central Asia, tapping into Iran's technology experience. [Food Business Africa](#)



WORLD MARKET / 14.07.2023

**US Lifts Customs Duties on Imports of Cocoa and Derived Products from Nigeria**

The United States has made a landmark decision to abolish customs duties on imports of cocoa and derived products from Nigeria to foster bilateral trade between the two countries. Nigeria, the 4th largest cocoa producer in Africa behind Côte d'Ivoire, Ghana, and Cameroon, stands to benefit greatly from this policy change, with analysts forecasting an increased investment in the production and processing of the bean to capture a greater share of the American market. [Food Business Africa](#)





ANALYTICS

ANALYTICS / 10.07.2023

**USDA: China's Soybean Imports on Rise**

Rebounding soybean meal and oil demand in China are driving an anticipated increase in imports for the crop, according to a Global Agricultural Information Network report from the Foreign Agricultural Service (FAS) of the US Department of Agriculture. FAS Post Beijing is estimating soybean imports to reach 98 million tonnes in marketing year 2022/23 and 98.5 million tonnes in 2023/24. The end of COVID-related restrictions, lower prices following a record soybean harvest in Brazil and modest growth in the swine and poultry sectors are expected to increase soybean meal consumption. [World Grain](#)

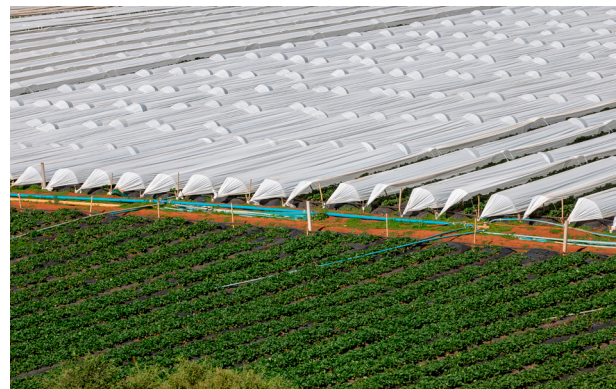


ANALYTICS / 13.07.2023

**Conab Raises Brazil's Record Grain Harvest**

Brazil is expected to harvest a record 317.5 million tonnes of grains for the 2022/23 cycle, which is 44.9 million tonnes (16.5%) more than the previous year, according to the 10th Grain Harvest Survey by Conab, the country's food supply and statistics agency. Conab said production of other crops such as soybeans, cotton, beans and sorghum also are trending higher, while oats, rye and wheat volumes will decline compared to the previous harvest.

[World Grain](#)



ANALYTICS / 14.07.2023

**USDA Analysts Raised the Forecast for the Global Corn Crop**

In a July report from the United States Department of Agriculture (USDA), the forecast for total global corn production in the 2023/24 marketing year was once again raised to 1.224 billion tonnes, compared with 1.222 billion tonnes expected in June. In particular, the indicators are increased for the USA, Ukraine and Canada. The forecast for world corn exports in the new season has also been raised to 198.26 million tonnes against 197.76 million tonnes forecast in June. [Sfera.fm](#)

