

**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

11.09 – 17.09.2023



THREE MAIN TOPICS

- **FEFU and the Largest University of Thailand Signed an Agreement on Cooperation**
- **India Reduces Import Tariffs on U.S. Turkey and Duck Meat**
- **The Areas of More Than 75% of European Bumblebee Could Be Reduced by a Third by 2080**



EDUCATION / 12.09.2023

A Liliani's Educational Center Opened at Vavilov University

A new educational center of the Liliani company has opened on the basis of Vavilov University. The event was timed to the 110th anniversary of the university. According to Armen Nalbandyan, General Director of Liliani LLC, this is the first attempt of the company to launch a classroom. "For a breakthrough in agriculture, competencies are needed. The experience of agribusiness practitioners will contribute to training graduates who will be able to fully build the economy," he added. [GlavPahar](#)

EDUCATION / 12.09.2023

FEFU and the Largest University of Thailand Signed an Agreement on Cooperation

Far Eastern Federal University (FEFU) and the largest university of Thailand, the University of Kasetsart, have signed an agreement on scientific academic cooperation in the field of biotechnology and agriculture during the VIII Eastern Economic Forum. Universities identified the interest in the exchange of students and teachers. [Rambler](#)

EDUCATION / 13.09.2023

A Training Program for Farmers Will Be Held in Altai

On September 20-22, the Altai Institute for Advanced Training of the Agro-Industrial Complex will conduct a program entitled "Digitalization in the agro-industrial complex". The program will include the following topics: the FSIS Grain and FSIS Saturn, the introduction of unmanned aerial vehicles in agriculture, the use of analytics to predict yields. Upon completion of training, students will receive a certificate of advanced training. [GlavPahar](#)

EDUCATION / 14.09.2023

Canada Will Boost the Number of Veterinary Students

The University of Calgary (Canada) expects to construct new facilities for its veterinary college. The plans are to augment the capacity of the institution to 100 students per year, which is almost three times more than in 2008 and two times more than current data. However, experts say this is not enough and the problem with the shortage of veterinarians in Canada is much more acute. [The Western Producer](#)



 SCIENCE

SCIENCE / 11.08.2023

Air Pollution Degrades Floral Odors

A research team comprising the UK Centre for Ecology & Hydrology (UKCEH) and the Universities of Birmingham, Reading, Surrey and Southern Queensland, found that ozone substantially changes the size and scent of floral odor plumes given off by flowers, and that it reduced honeybees' ability to recognize odors by up to 90% from just a few meters away. The study indicates that ozone could also affect insects' other odor-controlled behaviors such as attracting a mate. [AZO Life Sciences](#)

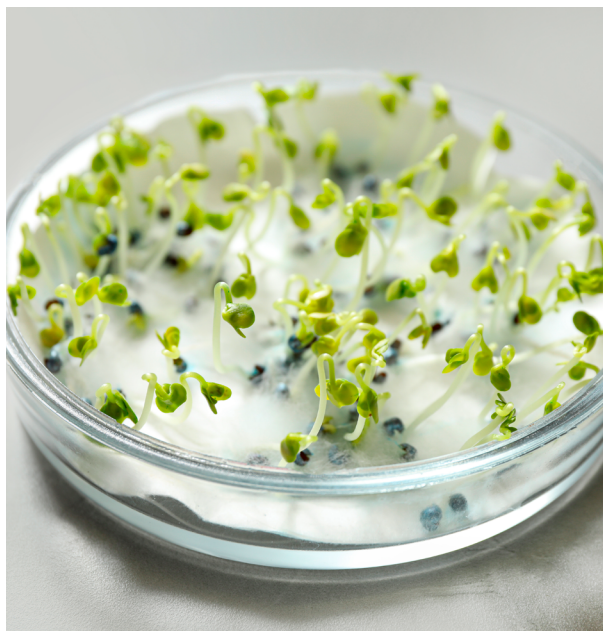


SCIENCE / 11.09.2023

Russian Scientists Found a Drug to Raise Grain Yields

A drug has been created in Stavropol to improve seed germination using nanotechnology. It was developed by scientists from North Caucasus Federal University, who improved the technology of seed germination. The drug is based on manganese oxide and nanoparticles. Over the three years that the experiment lasted, scientists analyzed the growth of 1.8 thousand seeds and were able to develop a technology that allows them to reduce the concentration of fertilizers.

[IA Krasnaya Vesna](#)



SCIENCE / 13.09.2023

Developing New Way to Engineer Less Susceptible Crop Mixtures

According to a study by Jean-Benoit Morel and coworkers from the Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement in Montpellier, France, plant-to-plant interactions might very well impart disease immunity in both wheat and rice. The mechanism is not well understood, though. The study was published on September 12th, 2023, in the open access journal PLOS Biology. [AZO Life Sciences](#)



INNOVATION

INNOVATION / 11.09.2023

Floating Sea Farms Help Solve the Problem of Fresh Water Shortages

The University of South Australia researchers have designed a self-sustaining solar-driven system that evaporates seawater and recycles it into freshwater, growing crops without any human involvement. The design consists of two parts: the upper chamber is intended for growing plants, the lower chamber is for collecting water. Clean water is supplied by an array of solar evaporators that soak up the seawater, trap the salts in the evaporator body and, under the sun's rays, release clean water vapour into the air which is then condensed on water belts and transferred to the upper plant growth chamber. [AZO Life Sciences](#)

INNOVATION / 12.09.2023

Geotechnology Helps Eradicate Noxious Weed

In the first six months of 2023, 9.8 thousand hectares of agricultural land overgrown with Sosnovsky's hogweed were identified in Russia. A promising tool for weed control is Earth remote sensing (ERS) technology from space. The use of satellite imagery in conjunction with neural network analysis makes it possible to identify the distribution areas of harmful plants, calculate their area and monitor the effectiveness of measures for its destruction, according to specialists from Terra Tech JSC. [Terra Tech](#)



INNOVATION / 14.09.2023

GLONASS Created a Domestic High-Precision Positioning System for Farmers

Starting next year, Russian agricultural machinery will be able to be equipped with a new domestic high-precision positioning system. Alexey Raikevich, General Director of GLONASS JSC, spoke about this on the sidelines of the Eastern Economic Forum. The expert especially emphasized that there is now active import substitution of foreign products that companies have left the Russian market, Rossiyskaya Gazeta reports. [GlavPahar](#)



WORLD MARKET

WORLD MARKET / 11.09.2023

India Reduces Import Tariffs on U.S. Turkey and Duck Meat

India said on the sidelines of the G20 summit meeting that it would reduce import duties on frozen U.S. turkey and duck meat. Lower tariffs will give U.S. exports a chance to win sales in the rapidly growing market, said U.S. poultry groups, while calling for India to open its market further. U.S. trade representative Katherine Tai said the announcement resolved the last outstanding dispute between the nations, "an important milestone" in trade relations.

[Successful farming](#)



WORLD MARKET / 11.09.2023

Vietnam's Rice Exports Rise 20%

Vietnam's rice exports in the first eight months of 2023 surged to an all-time high of nearly 6 million tonnes, up 20% year-on-year, according to the General Department of Customs. This has brought Vietnam's total rice export turnover in the first eight months to almost 3.2 billion dollars, a 34% increase in value. With that achievement, Vietnam has reached 89% of the whole year's rice export target. [Xinhua](#)

WORLD MARKET / 12.09.2023

EU Wheat Exports Fell by 27%

Soft wheat exports from the European Union since the start of the 2023/24 season in July had reached 5.84 million tonnes, down 27% from 8.02 million tonnes by Sept. 11 last year, European Commission data showed. The largest buyer of European wheat is Morocco: 1.15 million tonnes were shipped to this country. At the same time, supplies to Algeria during this period decreased from 1.26 million tonnes to 464 thousand tonnes.

[Nasdaq](#)

WORLD MARKET / 12.09.2023

China, Russia Agree to Build a Grain Hub

Against the backdrop of the Eastern Economic Forum, Russia and China have decided to invest heavily in improving grain trade. In particular, The South China Morning Post reports that companies from both countries have signed an agreement to build a new logistics hub, the Nizhneleninskoye-Tongjiang Grain Terminal, which will be located between Vladivostok and the Chinese northeastern province of Heilongjiang. The partners of the project were the New Overland Grain Corridor Group of Companies and the Chinese corporation China Chengtong International Investment. [The South China Morning Post](#)



 ANALYTICS



ANALYTICS / 13.09.2023

The Areas of More Than 75% of European Bumblebee Could Be Reduced by a Third by 2080

Climate change and habitat degradation are driving declines over 38% in bumblebees across the globe. A new study highlights how much worse it could get for these critical pollinators and the ecosystems that depend on them before the end of the century. The researchers' findings were published in an article in the journal Nature. At the same time, scientists have discovered that different regions and types of bumblebees will be affected unevenly by these processes. In particular, bumblebee ranges will shrink the most in Central Europe, while they will expand in Scandinavia. [The Messenger Tech.](#)

ANALYTICS / 13.09.2023

FAO Adjusted Cereal Production Estimates

The United Nations' Food and Agricultural Organization (FAO) in its latest supply and demand brief estimated a slight increase in global cereal production in 2022/23 to 2.815 billion tonnes, which would be on par with the record output realized in 2020/21. Corn production is projected to raise by 2.7% to a record level of 1.215 billion tonnes in 2022-23, buoyed by strong yields in Brazil and Ukraine. Wheat output, on the other hand, is seen declining by 2.6% from the previous marketing year to 781.1 million tonnes, but it would still be the second largest outturn on record. [World Grain](#)

ANALYTICS / 14.09.2023

Verified Market Research Identified Key Growth Factors for the Spice Market

According to the report, the global spice market is projected to grow at a CAGR of 7.87% from 2023 to 2030. The report reveals that the market was valued at 5.81 billion dollars in 2022 and is expected to reach 9.87 billion dollars by the end of the forecast period. Verified Market Research has also identified several key factors that are expected to propel the Spice Market forward. These include globalization, population migration and cultural exchanges, which are driving demand for authentic cuisines that use spices.

[Food Business Africa](#)

ANALYTICS / 14.09.2023

Rabobank Lowers Global Milk Production Forecast

Due to lower milk prices, growth in global milk production this year will be lower than previously predicted, dairy market analysts at Rabobank say. The latest Dairy Outlook states that growth in 2023 will be 0.3% compared to 2022. Now market experts are mainly looking at developments in New Zealand. There, the spring peak in milk volumes is reached in October, while seasonal production in the European Union and the United States declines. [Dairy Industries International](#)

