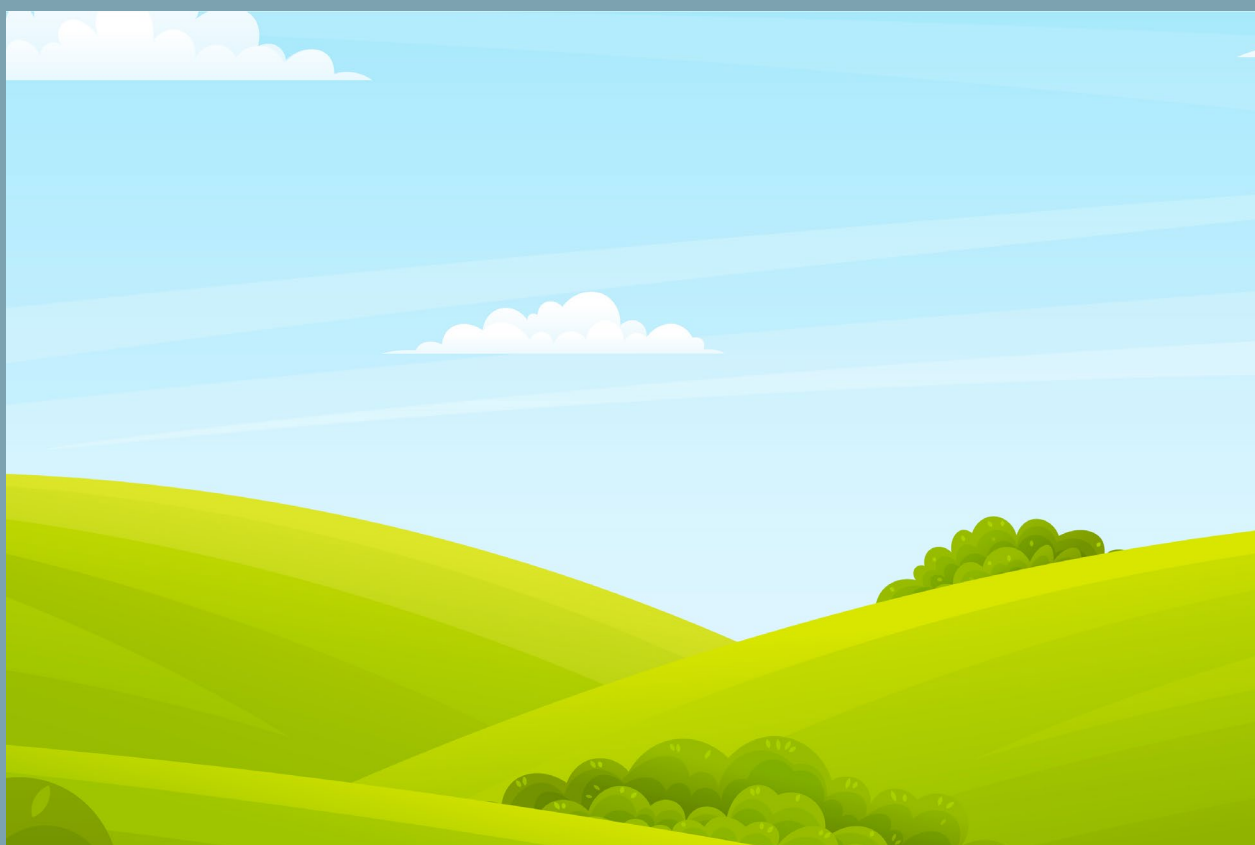


**INSTITUTE OF WORLD
AGRICULTURAL MARKETS**

MEDIA DIGEST

24.04 – 30.04.2023



THREE MAIN TOPICS

- **Red Planet's First Colonists Could Grow Genetically Modified Rice**
- **NEFU Is Cloning a Yakutian Cattle**
- **Turkiye Imposes 130% Import Tariff on Wheat, Corn and Barley**



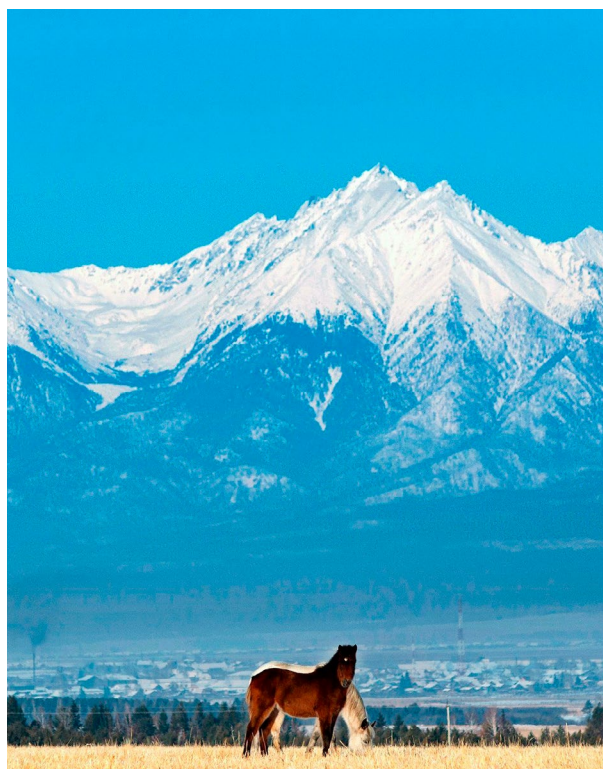
EDUCATION

EDUCATION / 24.04.2023

ECOWAS Trains Young People to Develop Agroecology in Africa

The Economic Community of West African States (ECOWAS) has received 16.2 million euros (17.75 million dollars) from European partners to develop agroecology in the organization's member states. The funding will go to train 12 thousand young people interested in the agricultural sector by 2024. The ECOWAS has already signed agreements with 15 African research centers to provide them with about 88 dollars euros (96.43 thousand dollars) to launch agroecology programs.

[Agence Ecofin](#)



EDUCATION / 25.04.2023

Buryat Agricultural Enterprises Pay for Student Internships

In 2023, more than 120 students from the Buryat State Agricultural Academy will undergo paid internships at the agricultural enterprises of the Republic. Veterinary and livestock specialists have already completed internships, and soon technologists and agronomists will start working. Agricultural producers participating in the project are provided with a subsidy of 90% to reimburse the costs associated with wages not lower than the minimum wage per month and students' accommodation. [Russian Ministry of Agriculture](#)

EDUCATION / 25.04.2023

Universities of Azerbaijan and Italy Launched a Joint Educational Program

The Azerbaijan Diplomatic Academy together with the University of Bologna (Italy) has launched the first short-term certification program in the field of agriculture and food system management within the framework of cooperation between Azerbaijani and Italian universities. "The program will last 3 weeks. The first week will be held in Azerbaijan, the second will be organized online, the third — at the University of Bologna. There are 33 participants in the program, including representatives of the private, public sectors and research institutes," the rector of the academy commented. [AZERTAC](#)

EDUCATION / 28.04.2023

A Laboratory for City Farming Was Opened in the Stavropol Territory

The Stavropol State Agrarian University has launched an innovative laboratory for city farming development. It will host both practical classes for students and scientific work of undergraduates and graduate students, the report says. City-farm is a practice of arranging and maintaining agro-industrial farms on the roofs of houses or in the buildings. The practice is included in the list of future professions, which was compiled in 2017 by the Moscow School of Management Skolkovo and the Agency for Strategic Initiatives. [TASS](#)



 **SCIENCE**



SCIENCE / 27.04.2023

Red Planet's First Colonists Could Grow Genetically Modified Rice

New research presented at the 54th Lunar and Planetary Science Conference suggests that genetically modified rice could grow in the Martian regolith. The next step is to experiment with a newly developed Martian soil simulant, and also with other strains of rice. After that the team wants to develop a Mars simulation chamber that replicates the temperature and atmosphere of the red planet. The results of the experiment could be useful in regions on Earth where soil has a high salt content. [Naked Science](#)

SCIENCE / 28.04.2023

British Scientists Seek to Address Issue of Heat Stress in Cows

The universities of Reading, Essex, Cardiff and Writtle University College (UK) are collaborating on a project that aims to address the causes of dairy cow heat stress within farm buildings. The project will bring together experts in animal and dairy sciences, mathematical modelling and statistics, and building design engineering. Research will take place at the University of Reading's Centre for Dairy Research and six commercial dairy farms across the UK. [Farming UK](#)

SCIENCE / 28.04.2023

Uganda Coffee Producers Revive a Forgotten Variety of Cocoa Bean

The two types of coffee that most of us drink — Arabica and robusta — are at grave risk in the era of climate change. Now the good news. Farmers in one of Africa's biggest coffee exporting countries, Uganda, are growing a whole other variety that better withstands the heat, drought and disease supersized by global warming. For instance, Liberica excelsa. A coffee specialist at the National Agricultural Research Organization, called Liberica excelsa a neglected coffee species. She is part of an experiment to introduce it to the world. If it works, it could hold important lessons for smallholder coffee farmers, demonstrating the importance of wild coffee varieties in a warming world.

[The New York Times](#)

SCIENCE / 29.04.2023

NEFU Is Cloning a Yakutian Cattle

Scientists at the North-Eastern Federal University (NEFU) have begun an experiment to clone a cow of the Yakut breed, adapted to the extreme conditions of the Far North and recognized as an endangered species. The works are going at a branch of the UAE Biotechnology Research Center, which opened in March on the basis of NEFU. "All the necessary infrastructure was purchased with the assistance of the Abu Dhabi Development Fund. The material obtained during joint research — cells, embryos, DNA — will become a contribution to the existing bank of aboriginal cattle biomaterial in Yakutia," said Grigoryeva, a leading researcher at NEFU. [TASS](#)



INNOVATION

INNOVATION / 24.04.2023

US Market Expects New Cultured Meat Products

California-based Upside Foods has announced a new range of cultivated ground meat products, such as cultivated chicken sandwiches, sausage, and dumplings, according to the online publication New food magazine. Upside Food's cultured chicken is the first animal cell cultured product in the United States to be approved for human consumption. The company said it would begin selling cultured chicken fillets once the USDA approval process is complete. [IA Red Spring](#)

INNOVATION / 24.04.2023

Engineers Developed a Seed Robot, Able to Change Shape in Response to Humidity

Italian engineers have elaborated the first 3D-printed seed-robot called I-Seed. It is made of biodegradable materials and able to move within the surrounding environment without requiring batteries or other external sources of energy. The artificial seed is capable of transforming itself and moving around the environment autonomously, and may find applications in various fields, from environmental monitoring to reforestation. [Knife](#)

INNOVATION / 25.04.2023

First AI Agricultural Advisor

Farmers Business Network (FBN), the global AgTech platform and farmer-to-farmer network, announced the launch of an industry-first artificial intelligence (AI) powered agronomic advisor, named Norm, to provide farmers with a wide array of agronomic intelligence. The name for Norm pays homage to an agricultural icon, Dr. Norman Borlaug, Nobel Peace Prize Laureate and Founder of the World Food Prize. Advisor is built on OpenAI's Chatbot GPT-3.5 and draws from publicly available data. Developers expect that they will soon teach the neural network to provide real-time landing advice based on weather forecasts. [SDPB](#)

 **WORLD MARKET**



WORLD MARKET / 24.04.2023

Morocco Ranked Third in the Global Tomato Exports

Morocco ranked third globally in tomato exports in 2022, showing the largest increase in exports in a year and outranking Iran and Spain, EastFruit reported. Morocco's exports of tomatoes amounted to 670 thousand tonnes, which is more than 40.5 thousand tonnes shipped a year earlier. The main destinations for the supply of Moroccan tomatoes were France and the UK. The share of Moroccan tomato imports to the UK has tripled over the past 5 years. Morocco's supplies to the French markets are gradually decreasing from year to year, while sales to British consumers are steadily growing, added EastFruit. [Agence Ecofin](#)

WORLD MARKET / 25.04.2023

Turkiye Imposes 130% Import Tariff on Wheat, Corn and Barley

Turkiye has imposed a 130% import tariff on some grain imports including wheat and corn, according to a presidential decision published in the Official Gazette, Reuters reports. The import duty comes after some European Union countries announced bans on grain imports from Ukraine last week. But some traders said Turkiye's move is largely to protect its local agricultural sectors ahead of landmark 14 May elections. According to a previous regulation, there was no import tax on wheat, barley, rye, oat, corn and sorghum until 30 April.

[Middle East Monitor](#)

WORLD MARKET / 25.04.2023

Saudi Arabia Oks Indonesia's Heat-Treated Chicken

Indonesia can now export its heat-treated chicken meat to Saudi Arabia. "The Saudi Food and Drug Authority (SFDA) said we can export our chicken meat if it has gone through the heating process," Indonesia's Trade Minister Zulkifli Hasan revealed after his recent meeting with a delegation from Saudi Arabia. The Indonesian Food and Drug Authority added that the SFDA would only accept chicken meat from bird flu-free areas. [Asia Agribiz](#)





ANALYTICS

ANALYTICS / 24.04.2023

Uganda Boosts Coffee Exports

Uganda's coffee exports edged up compared to a year earlier, the Uganda Coffee Development Authority (UCDA) said in a report. According to the data, in March Uganda shipped a total 487,797 60 kg bags of coffee, up 2% from a year earlier. The increase was driven by exporters releasing higher volumes of stocks from warehouses to cash in on favourable robusta bean prices. Uganda is Africa's biggest coffee exporter followed by Ethiopia and predominantly cultivates the robusta variety of the crop. [Reuters](#)

ANALYTICS / 25.04.2023

Malaysian Palm Oil Board Sees Higher Exports to China

Malaysia's exports of palm oil and palm-based products to China are expected to increase this year following better cooperation between the two countries, the Malaysian Palm Oil Board (MPOB) said. China was Malaysia's second largest palm oil export market in 2022 and accounted for 11.2% of Malaysia's exports, according to MPOB data. An agreement between MPOB and the China Chamber of Commerce of Import and Export of Foodstuffs, Native Produce, and Animal By-products earlier this month will broaden cooperation and strengthen Malaysia's position in the Chinese market, MPOB said in a statement.

[Reuters](#)

ANALYTICS / 26.04.2023

African Coffee Consumption Hits Record Levels

In Africa, coffee is becoming an increasingly popular drink. According to a March report published by the International Coffee Organization (ICO), the continent consumed 12.87 million 60kg bags of coffee during the 2021/22 season. This figure marks a new record for the region, where consumption has grown steadily since 2017/18. In particular, Côte d'Ivoire's coffee consumption has boosted the most, up 50% year-on-year, followed by Cameroon (25.5%), Morocco (14.7%), South Africa (12.7%) and Nigeria (9.8%). [Agence Ecofin](#)

