

SASYAM **FOUNDATION** **UNITED FOR SOLUTIONS**

WEEKLY NEWSLETTER
36th Edition

VICHAR



CULTIVATING IDEAS, GROWING FUTURES

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NEWSLETTER

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GENERAL AGRICULTURE

LIBEX, A BOLD NEW COFFEE HYBRID BUILT TO BEAT THE HEAT

While the world's coffee drinkers favour Arabica or Robusta, a newly identified hybrid called *Coffea x libex* (the X denotes its hybrid status) — or just Libex — could be their brew of choice in future. The world drinks roughly 17,000 tonnes of Arabica and 10,000 tonnes of Robusta beans (pre-roasting) every day. Together, they account for more than 99.99% of global coffee production. However, they are susceptible to rising temperatures and erratic rainfall.

SOURCE: THE HINDU



UTTARAKHAND FISH MAKES GLOBAL DEBUT, 5 TONNES EXPORTED TO NEPAL

For the first time since the formation of Uttarakhand, fish produced in the hill state has entered the international market, with three cooperative societies from Pithoragarh exporting five metric tonnes of fish to Nepal with support from the state government. A government spokesperson said the consignment marks a major breakthrough for Uttarakhand's fisheries sector. Preparations are also underway to export nearly 30 metric tonnes of fish to overseas market in the coming days.

SOURCE: THE INDIAN EXPRESS



INDIGENOUS SOIL, WATER MANAGEMENT SUSTAINING NAGALAND TERRACE FARMING, SAYS STUDY

Indigenous soil and water management is sustaining the terrace farming model of the Angami community in Nagaland, a study by a Nagaland University team has found. The researchers say the findings could help integrate development policies and projects with culturally sensitive agricultural methods; the study goes deeper into the social, cultural, and ecological system that supports the practice.

SOURCE: THE HINDU



GENERAL AGRICULTURE

BIO-ENGINEERED DROUGHT DEFEATING CEREALS

Molecular biology breakthroughs have mapped the exact genetic sequences that govern how staple cereal crops manage severe water shortages. By studying resilient desert grasses, scientists have discovered how to gene-edit traditional wheat and rice varieties to express specific protective proteins during sudden heatwaves. When a severe drought is detected by the plant's internal biology, these genes signal the crop to temporarily halt non-essential leaf growth and focus all metabolic energy on preserving its core cellular structures. This allows the crop to survive dry spells without permanently wilting, resuming growth as soon as rain returns.

SOURCE: IRRI (INTERNATIONAL RICE RESEARCH INSTITUTE)



USDA ACREAGE REPORT SHOWS MORE CORN THAN EXPECTED, SOYBEANS IN LINE WITH ESTIMATES

USDA has released its much-anticipated June Acreage report. The “big picture” takeaway: Corn acres held steady from March despite expectations of a drop, soybeans and cotton exceeded intentions and wheat took a significant hit.

SOURCE: AGWEB

Futures Month	Last	Change
Corn		
Jul 2026	415-6	+3-0 
Sep 2026	419-6	+3-0 
Soybean		
Jul 2026	1114-0	-2-6 
Aug 2026	1125-6	+1-4 
Wheat		
Jul 2026	584-6	+4-0 
Sep 2026	594-4	+5-2 
Soybean Meal		
Jul 2026	304.2	-0.5 
Aug 2026	304.0	+0.1 

Meet the insects that make India's famed mangoes

In May, stingless bees in Peru became the first insects to win the legal rights to exist, thrive, and be represented in court. This is significant for the conservation of the species against insecticides, climate change, and competition from non-native insects

SOURCE: THE HINDU



GENERAL AGRICULTURE

ICAR-NDRI'S AI-BASED BREEDING MODEL ACHIEVES SUCCESS

The scientist of the Indian Council of Agricultural Research-National Dairy Research Institute (ICAR-NDRI), Karnal have successfully implemented a breed improvement model under National Gokul Mission of Ministry of Fisheries, Animal Husbandry and Dairying, of the Union Government.

SOURCE: THE HINDU



KHARIF SOWING SLUMPS 23% AMID DELAYED MONSOON, PADDY ACREAGE FALLS SHARPLY

Sowing of kharif crops including paddy is lagging significantly in the country, with total acreage at 18.272 million hectares as of June, down 23 per cent compared to 23.646 million hectares a year earlier, amid delayed onset and sluggish progress of the southwest monsoon, according to agriculture ministry data. Not only rice but also pulses, oilseeds, coarse cereals and cotton have seen lower sowing than the year-ago period.

SOURCE: BUSSINESS STANDARD



FERTILIZER CARGOES IN FOCUS AS IRAN TIGHTENS STRAIT TRANSIT RULES

Working with Iran, India had established a process for evacuating ships serving its needs and successfully brought back more than a dozen vessels, largely carrying energy supplies. The government has now earmarked 34 ships for repatriation, including 15 fertilizer-carrying bulk carriers and one ammonia carrier serving domestic fertilizer production, with possible naval escorts as before. Barring Jag Arnav, the remaining 15 bulk carriers are foreign-flagged.

SOURCE: THE HINDU



GENERAL AGRICULTURE

INDIA CORN EXPORTS SET FOR THREE-VEAR HIGH ON COMPETITIVE PRICING

India's corn exports are soaring to a three-year peak, driven by record production and competitive pricing. Lower domestic prices coupled with increased freight costs for global competitors, have boosted shipments to Asian nations like Vietnam and Bangladesh. This surge in demand is now helping to stabilize Indian corn prices, with further growth anticipated from October. Vietnam, Nepal, Bangladesh, Sri Lanka and Bhutan bought more from India in the first five months of the year as global freight costs jumped following the outbreak of the U.S.-Israeli war on Iran. Higher exports also supported Indian corn prices. SOURCE: THE ECONOMICS TIMES



TRIPURA GLOBAL PINEAPPLE FESTIVAL 2026 SHOWCASES THE EXPORT POTENTIAL OF ORGANIC PRODUCE

The International Competence Centre for Organic Agriculture (ICCOA) was proud to partner with the Government of Tripura for the Tripura Global Pineapple Festival 2026, reaffirming its commitment to promoting organic agriculture, strengthening market access, and building sustainable value chains for farmers. Organized by the Government of Tripura at Major Dhyan Chand National Stadium, New Delhi, the festival served as a landmark platform to showcase the state's premium organic and GI-tagged agricultural products to national and international markets. SOURCE: KRISHI JAGRAN



SUPER EL NINO THREAT UNSEEN SINCE 1950 SHAPING UP, SAYS AUSTRALIAN MET BODY

A potential super El Nino is rapidly taking shape, with the tropical Pacific warming well beyond El Nino thresholds and atmospheric conditions are reinforcing the event, says the Southern Hemisphere Monitoring Report of the Bureau of Meteorology Australia (BoM). SOURCE: BUSSINESS LINE



GENERAL AGRICULTURE



Did you know ?

The Secret Screams of Stressed Plants

Recent breakthrough research has revealed that when crops face severe drought, dehydration, or physical injury, they emit high-frequency, ultrasonic clicking sounds that are completely inaudible to human ears. Using specialized acoustic microphones, scientists recorded these "screams" and found that a highly stressed tomato or tobacco plant can click up to 40 times per hour! Fascinatingly, researchers believe that nearby insects, small animals, and even neighboring plants can detect these airborne sounds and adjust their biological behaviors to prepare for incoming environmental changes.



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