



beeJ^{ki} baat
voice of the seed



EDITION NOVEMBER 2024




**Raghavan
Sampathkumar
Executive Director**

Greetings,

Welcome to the November edition of the FSII Newsletter, where we explore groundbreaking advancements in agricultural science and technology. This month, we delve into the transformative potential of new genomic techniques, as highlighted by EFSA's recent findings on NGT plants.

We also examine innovative strides in gene editing, from bacterial blight-resistant cassava to nitrogen-fixing microbes that promise to revolutionize crop yields. As global challenges like climate change and food security intensify, these scientific breakthroughs offer hope and solutions. Additionally, we spotlight initiatives aimed at boosting self-reliance in India's edible oil sector and the digital transformation of its seed industry. Join us in exploring these stories and more, as we navigate the future of agriculture together.


FSII In News

 **Federation of Seed Industry of India (FSII)**
@FSII_India


FSII chairman Mr Ajai Rana, while in conversation with @IndianExpress, talks about #hybridrice varieties like Sava 7501 and Sava 7301, emphasizing their significant yield advantage and superior milling outcomes...

Learn more: bit.ly/4ejpu4q

#fsii #agriculture #crops



What is the hybrid rice seed and the controversy around it **GANESH SHIRSEKAR**

 www.indianexpress.com

[Mr Ajai Rana talks about hybrid rice varieties like Sava 7501 and Sava 7301](#)

INDIA



India's Seed Sector Goes Digital: The SATHI Portal Revolution

The SATHI Portal is a new digital platform aimed at transforming India's seed sector. Developed by the National Informatics Centre, it focuses on seed certification and inventory management. At a recent workshop, officials discussed the potential benefits and challenges of the portal's implementation, seeking additional technical support.

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[Soybean yield should be increased to make India self-reliant on edible oils front Gadkari](#)



[Multiple benefits of cultivating wheat in rice residue retained fields: Experts](#)



[India's agricultural stagnation: How Genetically Modified technology could boost crop yields and global competitiveness](#)



[11K varieties of paddy grown as part of research in Mandya](#)



[Punjab Farmers Embrace Super Seeder to Reduce Air Pollution](#)



[Experts address climate change impact on agri-food systems at PAU, Ludhiana](#)

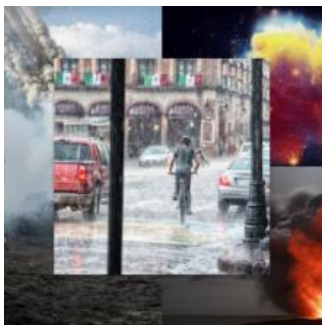
GLOBAL



FAO Highlights Role of Genetic Revolution in Addressing Food Security

Breakthroughs in genetic science have brought the world to “the dawn of a new era” and can propel solutions to a spectrum of inter-related global challenges including assuring food security, tackling the climate crisis and protecting biodiversity, QU Dongyu, Director-General of the Food and Agriculture Organization of the United Nations (FAO), said today at the Borlaug International Dialogue of the World Food Prize 2024 opening ceremony.

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[Ukraine's Sunflower Boom: A Growing Agricultural Opportunity](#)



[A mold that transforms food waste into edible delicacies could be an emissions solution](#)



[Lab-grown pork gets support from sorghum grain](#)



[Technology Boosts Farmers' Income and Productivity - Arthur](#)



[EU Researchers and Farmers Call on Members of Parliament to Embrace NGTs](#)



[EFSA Confirms Equivalence of Category 1 NGT Plants with Conventional Breeding](#)

RESEARCH



Breakthrough Research Presented in Scientific Reports Demonstrates How Gene-Edited Microbes Offer a New Source of Nitrogen to Farmers

Peer-reviewed research published today in Scientific Reports describes a new technology that could revolutionize a century-old approach to providing nitrogen to crops. The study, a collaboration of researchers from the University of Wisconsin-Madison, Purdue University, and Pivot Bio, a leading sustainable agriculture company, presented first-of-

its-kind evidence showing how gene-editing enhances microbes' ability to fix atmospheric nitrogen and transfer it to cereal crops.

[Read full article...](#)



[Gene-edited tomato could produce 'up to 400% more fruit' in a vertical farm](#)



[Researchers breed tomato plants that contain the complete genetic material of both parent plants](#)



[Oats with Improved Nutritional Value and Shelf Life](#)



[Researchers discover how plants produce a novel anti-stress molecule](#)



[The International Institute of Tropical Agriculture \(IITA\) to work on the Yam Architecture through Gene Editing](#)



[Gene Editing to Produce Bacterial Blight Resistant Cassava](#)

FSII Advisor, Mr. Ram Kaundinya delivered a powerful lecture on "The Role of Biotechnology in India's Food and Climate Security" at Cornell, exploring the impact of #biotechnology on India's #food and #climatesecurity. Watch Now on YouTube:



youtube.com
The Role of Biotechnology in India's Food and Climate
On October 22, 2024, agribusiness expert Ram Kaundinya delivered a distinguished lecture at ...

The Role of Biotechnology in India's Food and Climate Security



FSII attended Industry Roundtable Meet "Drafting the National Policy on Bioengineered Crops: Food Security Challenges and Way Forward"



Launch of the India-Netherlands Seed Secretariat



FSII Chairman Mr. Ajai Rana At the 13th National Seed Congress in Varanasi

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For more information about Federation of Seed Industry of India visit www.fsii.in

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