



beeJ^{ki} baat

voice of the seed

EDITION JANUARY 2025



**Raghavan
Sampathkumar
Executive Director**

Greetings,

As we step into February, we are thrilled to present this edition of our newsletter, highlighting transformative developments in agriculture. This issue features a diverse range of topics, from the renewed interest in cockscomb plantations in Kashmir to groundbreaking CRISPR advancements in grapevine disease resistance. We explore the expanding global genome editing market and innovative strategies for developing climate-smart crops. Additionally, discover how low GI rice is making strides in combating Asia's diabetes epidemic while boosting farmer incomes, and learn about the pioneering Brimato plant set to revolutionize farming in Bhagalpur. With a strong emphasis on sustainable practices and technological collaborations, we aim to equip our community with the knowledge and tools to navigate the evolving agricultural landscape. Let's embrace these innovations for a sustainable and prosperous future.

FSII In News



FSII Participated in the Dialogue at the National Symposium on Hybrid Technology for Enhancing Crop Productivity

INDIA



India-Germany Strengthen Agricultural Partnership: Focus on Sustainable Farming

Dr. Philipp Ackermann, Ambassador of the Federal Republic of Germany, met with Dr. Devesh Chaturvedi, Secretary of the Ministry of Agriculture and Farmers Welfare (MoA&FW), at Krishi Bhawan to discuss deepening Indo-German collaboration in agriculture and allied sectors. The upcoming Joint Working Group (JWG) meeting was

identified as an important platform to expand discussions and further explore opportunities for enhancing agricultural productivity and sustainability.

[Read full article...](#)



[**Cockscomb plantation gaining renewed attention from farmers in Kashmir**](#)



[**Agriculture Secretary bats for promotion of traditional seed varieties for climate resilience**](#)



[**What is the role of advanced technology in modern farming?**](#)



[**Brinjal meets tomato: 'Brimato' set to transform farming in Bhagalpur**](#)



[**Linseed: A High-Value Crop with Multiple Benefits for Farmers**](#)



[**Biotechnology Department Explores Biofoundry Initiatives for Climate-Resilient Farming**](#)

GLOBAL



150 Nobel and World Food Prize winners call for food security ‘moonshot’

In an open letter, the luminaries in fields spanning climate science, economics, physics, chemistry, medicine, and agriculture — seek political will and financial support for agricultural research and innovation. Today, more than 700 million people worldwide don’t have enough food to eat, and those figures are likely to get worse: Climate change is set to decrease productivity of major food staples at a time when the world is projected to add some 1.5 billion people by midcentury.

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[Expected Profitability and Perception Drive Farmer’s Participation in GM Crop Farming](#)



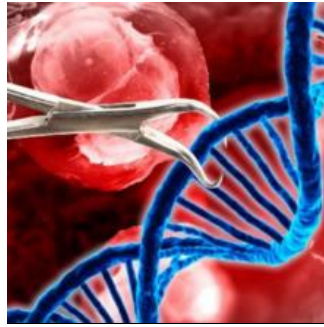
[Google to buy carbon removal credits from Indian farms](#)



[5 agriculture trends to watch in 2025](#)



[Smart Farming Market
Global and Regional
Research Report 2024-
2034](#)



[Global Genome Editing
Market to Grow at
13.9% CAGR, Reaching
USD 17.5 Billion by 2031](#)



[Scientists Innovate
Breeding Strategies to
Create Climate-smart
Crops](#)

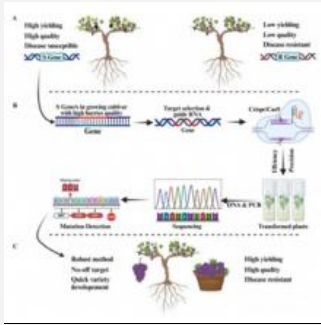
RESEARCH



Biotech Breakthroughs of 2024

Since the first year of commercial planting of biotech crops in 1996, more than 70 countries have planted or imported biotech crops. These biotech crops were developed to address farmers' concerns such as increased yield, insect resistance, and herbicide tolerance. Three decades later, scientists are now focusing on developing new products for consumers.

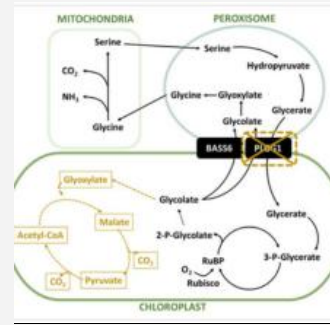
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**Grape Expectations-
Disease Resistant Vines**



**Low GI Rice Can Curb
Asia's Diabetes
Epidemic and Enhance
Farmers Income, Finds
Report**



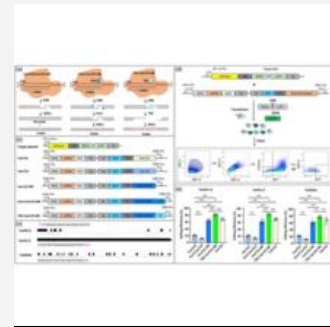
**Scientists Develop
Heatwave-tolerant
Potatoes**



**The anti-allergy
rice variety has been
developed**



**Researchers explore
approaches to combat
devastating citrus
greening disease**



**Engineering a robust
Cas12i3 variant-
mediated wheat
genome editing system**



Agriculture Today Published Mr. Rajvir Rathi's Insightful Article



FSII Supported the Agri & Commodity Summit 2025

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