



beedi ki baat

voice of the seed

EDITION NOVEMBER 2023



**Raghavan
Sampathkumar**
Executive Director

Foreword

Greetings,

This edition has an insightful chronicle of our collective journey towards excellence. This edition stands as a testament to the dynamic spirit of our regional seed community. The recent Asian Seed Congress held in Christchurch, New Zealand served as a crucible for shared wisdom and collaborative growth. Against the backdrop of innovation, this congress emerged as a pivotal platform, fostering dialogue among diverse stakeholders in the seed industry.

The congress showcased the resilience and adaptability embedded in the DNA of our sector, providing a fertile ground for the cross-pollination of ideas. Delegates, representing the breadth of our regional seed landscape, engaged in robust discussions, laying the foundation for sustainable practices and cutting-edge advancements in seed technology.

As we delve into the pages of this newsletter, let's reflect on the profound significance of our industry's role in the global food ecosystem. The congress echoed a collective commitment to navigating the complexities of modern agriculture while ensuring food security. Together, we sow the seeds of change, nurturing a future where each seed signifies not only a new crop but also a promise—a promise of innovation, sustainability, and a bountiful harvest for generations to come. Join us in celebrating the spirit of growth,

as we continue to cultivate a legacy of excellence in the ever-evolving landscape of seed technology.

Warm
Raghavan Sampathkumar

regards,

INDIA



IRRI Scientists Discover Genes for Low and Ultra-low Glycemic Index Rice

Scientists from the International Rice Research Institute (IRRI) have identified the genes responsible for low and ultra-low glycemic index (GI) in rice. This discovery will allow the conversion of popular rice varieties into low and ultra-low GI for refined white rice, through conventional breeding methods, keeping high-quality grain without compromising yield.

[Read full article...](#)



[Could Gene Flow from Gene Drive Organisms Cause Harm to Local Ecosystems?](#)



[The other oil imports India needs to worry about](#)



[Indian branded spice market set to reach Rs 50,000 crore in three years: Ramkumar Menon, Chairman, WSO](#)

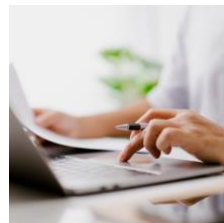
GLOBAL



Here's how we can overhaul our food and farming systems to grow enough food to meet population and climate change challenges

To ensure future food security, farmers must also ensure their crops are robust enough to survive under changing conditions. Biotechnological solutions – [those using biological systems, living organisms or parts of them to develop different products](#) – could be key.

[Read full article...](#)



[How computer vision increases productivity and sustainability in agriculture](#)

[Latin America Takes a Step Closer to Releasing the First Genetically Edited Potato](#)

[FDA, EPA and USDA release new documents on biotech regulation.](#)

[Gene-edited non-browning 'Arctic apples' are potential game changer for reducing food waste and extending supply chains](#)

RESEARCH



GM Orchids Exhibit Water-efficient

Photosynthesis

Researchers in Taiwan developed transgenic orchids (*Phalaenopsis*) to improve their photosynthetic efficiency and carbohydrate accumulation. The results are published in *Transgenic Research*. The findings could lead to new plant varieties with better water-use efficiency during photosynthesis.

[Read full article...](#)



[Gene Editing in Rice Using CRISPR-Cas12i3](#)



[Review of CRISPR to Boost Resistance to Parasitic Plants](#)



[Researchers Engineer Enzymes to Gain Access to More Sugar in Plants](#)



[CRISPR/Cas9-mediated gene editing to confer turnip mosaic virus \(TuMV\) resistance in Chinese cabbage](#)

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#ThursdayTrivia
#Beejkibaat #Voiceoftheseed

MYTH BUSTED
GMOs & Food Allergies
Uncover the truth about GMOs & their link to allergies!
Source : genetic literacy project

The post features a central graphic with a blue border containing text and a photo of various colorful corn cobs at the bottom.

#THURSDAYTRIVIA
Did you know that the ground beneath your feet is teeming with life?
It's not just dirt!
Our soil is a bustling metropolis of biodiversity.
#Beejkibaat #Voiceoftheseed

The post features a circular image of a hand holding a clump of rich, dark soil.

#FACTCHECKFRIDAY
Did you know?
Farmers in India receive AI-powered sowing advisories for increased yields.
#Beejkibaat #Voiceoftheseed

The post features a background image of an elderly farmer wearing a white turban and looking at a smartphone.

#FACTCHECKFRIDAY
Are grass pea plants the future of drought-resistant crops?
#Beejkibaat #Voiceoftheseed

The post features a background image of a field of green grass pea plants.

For more information about Federation of Seed Industry of India visit

www.fsii.in



Federation of Seed Industry of India, 10 A, 10th Floor, Vandhana Building, Tolstoy Marg, Janpath,
Connaught Place, New Delhi, Delhi 110001, India

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