



beej^{ki} baat

voice of the seed

EDITION APRIL 2024



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Greetings,

Welcome to the April'24 edition of BeejKiBaat, where we delve into the latest advancements in agriculture with a focus on practical solutions. From the precise gene modulation of RNAi technology to the resilience of climate-resistant wheat varieties, we uncover how science is reshaping farming practices. Biopesticides emerge as eco-friendly alternatives for crop protection, while genetic engineering promises higher yields and improved nutrition in staple crops like barley and wheat. Navigating through organic farming complexities and pest management challenges, we highlight the need for sustainable approaches. Join us as we explore the tangible innovations driving progress in agriculture today.

INDIA



India needs a new maize revolution

Maize, the queen of cereals, is becoming a vital source of raw material not only to increase ethanol production but also to feed growing poultry, animal feed, starch and other industries in India. As per estimates, India produced 34.6 million tonnes (mt) of maize in 2023-24 and has potential to double maize production to meet the supply-demand gap in the shortest possible time in a cost effective and sustainable manner.

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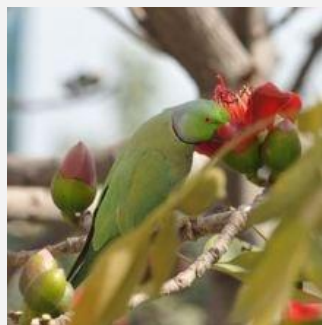
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GLOBAL



China-based company touts high-yield corn breakthrough

A leading Chinese agricultural technology company, announced it developed a high-yield corn that increased yields by more than 50% compared to the original variety. Building on the Company's track record of innovation, it has developed a high-yield corn inbred line that significantly surpasses the productivity of traditional corn. This groundbreaking advancement was achieved through precise gene editing techniques, marking a significant milestone in the company's commitment to sustainable and efficient agriculture.

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[GMOs reduced the
environmental impact from
herbicides by 65 percent](#)

RESEARCH



Natural Selection: How Biopesticides Are Transforming Crop Inputs

Burgeoning demand for environmentally friendly chemicals and production methods are putting biopesticides into the minds of growers worldwide. In offering new biopesticides to their customers, crop protection companies aim to hitch sustainability to existing high performance standards.

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