

A Breakthrough Year for IRRI–NARES Collaboration

31 Varieties

released/notified in 2024 by the Government of India

This marks the largest single-year wave of improved varieties designed for local needs.

Why these varieties matter?

The new varieties offer targeted solutions for major challenges faced by farmers:

- Drought tolerance
- Flood tolerance
- Dual-stress resilience
- Salinity tolerance (inland & coastal)
- Herbicide tolerance
- High-zinc nutrition



Fit for India’s diverse ecologies

The 31 varieties are adapted for:

- Irrigated ecosystems
- Rainfed lowlands
- Direct-seeded rice systems
- Aerobic and early-transplanted areas

From eastern to southern states, the varieties match the unique conditions of India’s major rice-growing zones.

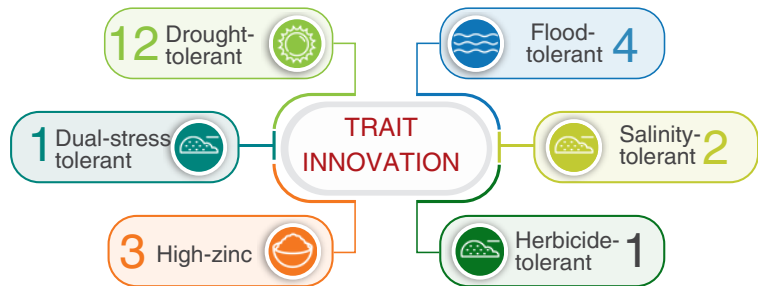
Maturity options for farmers’ cropping calendars

With maturities ranging from 90–150 days, farmers can align planting with seasonal needs, reduce risk, and optimize cropping cycles.



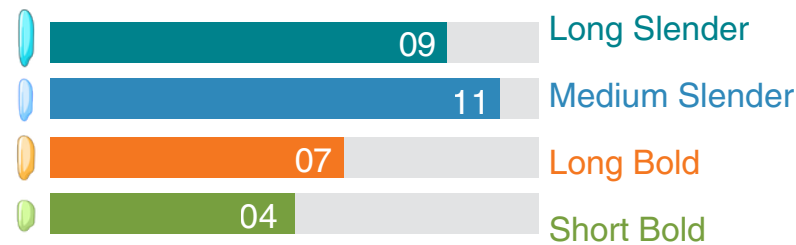
Breeding for resilience, quality, and nutrition

Some of the lines have been introgressed with the following traits:



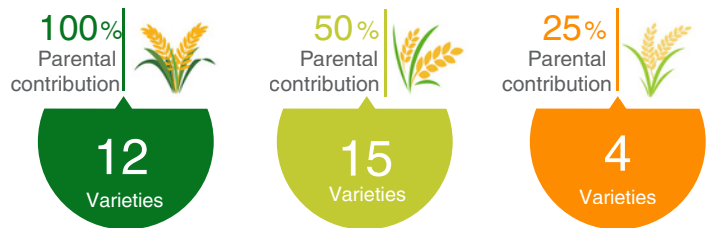
Market-ready grain diversity

These varieties help farmers grow rice that meets consumer preferences and market demand.



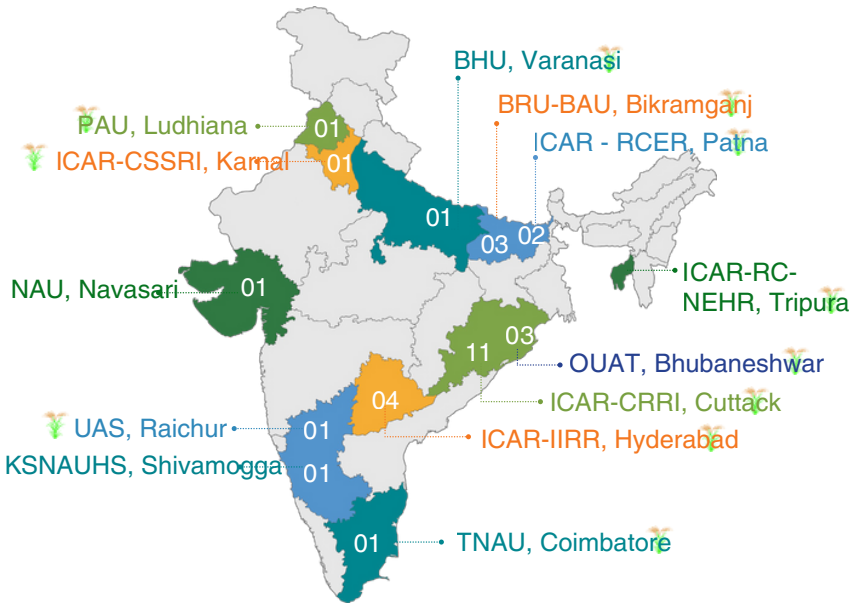
Global germplasm, national gains

IRRI’s genetic contributions strengthen national breeding pipelines:



Developed with 12 Indian Institutions

This nationwide effort includes partnerships with:



Global science driving farmers’ success

These 31 IRRI–NARES varieties demonstrate the power of global collaboration and local breeding.



From Science to Harvest – Building a Resilient Rice Future for India