



**ICAR - Indian Institute of Horticultural Research**  
**Society for Promotion of Horticulture**

Hesaraghatta Lake Post, Bengaluru - 560089

**NATIONAL HORTICULTURE FAIR - 2025**



**February 27<sup>th</sup> to 1<sup>st</sup> March 2025**

**HORTICULTURE FOR VIKSIT BHARAT**

*Nutrition, Empowerment and Livelihood*



**NHF2025**

Horticulture for Viksit Bharat - Nutrition, Empowerment & Livelihood



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प्रौद्योगिकी मंत्रालय  
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# ICAR-Indian Institute of Horticultural Research



ICAR-IIHR was established in 1967 to carry out basic, applied and strategic research on horticultural crops. The Institute has spread large number of technologies in 13 fruits, 30 vegetables, 10 flowers and 5 medicinal crops, contributing ₹30,150 crores annually to the ever growing horticulture sector. It has licenced 130 technologies to 675 clients with 1550 licenses. Organized more than 900 trainings and 8 National Horticulture Fairs. A total of 410 students have completed post-graduation studies at ICAR - IIHR. During NHF 2024 about 250 stalls displayed their technologies and innovations in various aspects of horticulture and entrepreneurships. More than 70000 farmers, farm women, farm youth and other stakeholders participated in the event.

## HORTICULTURE FOR VIKSIT BHARAT - *Nutrition, Empowerment and Livelihood*

The theme of the National Horticulture Fair 2025, **Horticulture for Viksit Bharat - *Nutrition, Empowerment and Livelihood*** focuses on showcasing and promoting varieties and technologies to improve nutrition through crops and varieties which are nutritionally rich, empowering needy farmers with need based information / technologies and programmes on various aspects of horticultural crops. The event is focused on technologies suitable for socio-economically deprived groups and to improve the productivity, income and livelihood in horticultural crops, which are socially compatible and acceptable economically efficient, and environmentally safe. In the fair about 250 institutions will display their innovations under different categories horticulture technologies. The institute is also displaying more than 250 varieties and technologies developed by ICAR-IIHR in crop production, crop protection, PHM, value addition, machinery & tools in horticultural crops.



## About National Horticulture Fair - 2025

ICAR-IIHR, Bengaluru, Karnataka is organizing a mega event "National Horticulture Fair - 2025" from February 27<sup>th</sup> to 1<sup>st</sup> March 2025 in collaboration with the Society for Promotion of Horticulture (SPH); BESST- HORT, a Technology Business Incubator ICAR-IIHR; ICAR-ATARI Bengaluru and with all the leading development departments, institutions and firms serving for the cause and promotion of horticulture and allied sectors.



# New Technologies at NHF - 2025

## Watermelon - Sel-4

- High yielding (80 t/ha) with fruit weight ranges from 4-8 kg per fruit
- Bio-fortified carotene rich variety (28.34  $\mu\text{g g}^{-1}$ )

## Bottle Gourd – Arka Shreyas

- Resistant to Gummy Stem blight, round or club shaped fruits with yield potential of 48 t/ha.

## Leaf Curl Resistant Chilli Hybrids Arka Dhirithi and Arka Nihira

- Resistant to *Phytophthora* root rot and Chilli Leaf Curl virus

## Avocado: Arka Coorg Ravi

- Regular bearing, high yielding with fruit weight of 400-600 g, with 80% pulp content and yields 185 kg fruits/per plant.

## Wax apple CHESM-1

- Spreading growth habit, regular bearer, and high yielding, bears bell shape fruits in 3 years with attractive pink peel colour and less seeds.
- Yield is 90–120 kg fruits per plant with fruit weight of 35–40 g.

## Red Dragon fruit powder technology

- Product has attractive dark purple colour, free flowing nature with least additives (4-8%), higher amount of bio-active compounds, rich in minerals also protein & crude fibre, suitable for preparation of cookies, cakes, muffins, milkshake and Dip tea bags.

## Arka Tender Jack fruit Frozen Patties and Kabab

- These are Ready-to-Eat and Ready-to-Cook products, rich in crude fibre, minerals and antioxidants with shelf life of one year under frozen conditions, with Benefit: Cost ratio is 1.36:1.00.

## New Varieties/Technologies

- Pummelo-Arka Chandra, Arka Anantha
- Custard Apple-Arka Neelanchal Vikram
- Training System in Dragon Fruit
- LCV Resistant Chilli Hybrids- Arka Gagan, Arka Yashasvi, Arka Saanvi, Arka Tanvi, Arka Tejasvi

## Arka Vitamin D enrichment technology in Elm oyster mushroom



- Fabricated low cost device for vitamin D enrichment
- 2.12 g vitamin D enriched mushrooms to fulfil RDA





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Director, ICAR-IIHR, Bengaluru

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**Dr. V. Venkatasubramanian**  
Director, ICAR-ATARI, Bengaluru

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Principal Scientist & Nodal Officer  
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