

Peanut Blog

An ounce of information



ICRISAT announces high-oleic groundnut breakthrough to boost farmer's Income

Hyderabad, July 1 (UNI) The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and its research partners have announced the release of two new 'high-oleic groundnut varieties', marking a significant advancement in crop improvement aimed at increasing farmer incomes, enhancing oil quality, and reducing India's dependence on imported edible oils.

The new varieties -- 'ICGV 181030 and ICGV 201214' -- were identified by the Variety Identification Committee (VIC) under the All India Coordinated Research Project on Groundnut (AICP-G) and are set for national release following multi-location trials across India, the Institute said in a release here on Wednesday. The initiative is part of a five-year programme, Applying Modern Tools to Enhance Precision and Speed of Dryland Crops Breeding, which focuses on sorghum and groundnut as model crops to develop scalable solutions for dryland agriculture across Asia and Africa. According to the release, both varieties offer significant agronomic and commercial advantages.

ICGV 181030 developed jointly by ICRISAT and the University of Agricultural Sciences (UAS), Dharwad, contains approximately 78% oleic acid and has demonstrated yield gains of up to 12% over benchmark varieties in certain agro-climatic zones. ICGV 201214 developed with Junagadh Agricultural University, contains 81% oleic acid, 53% oil content, and 27% protein, and has shown up to 19% higher kernel yield compared to widely cultivated varieties. High-oleic groundnuts are known for improved shelf life, enhanced oxidative stability, and superior nutritional value, making them increasingly attractive to processors and consumers seeking premium edible oil products. The institute said the new varieties are expected to strengthen India's domestic edible oil value chain and support national efforts under the National Mission on Edible Oils-Oilseeds (NMEO-Oilseeds).

The improved productivity and oil quality are projected to enhance farm profitability while contributing to reduced import dependence in the edible oil sector. ICRISAT said the development reflects sustained collaboration with Indian agricultural universities and highlights the role of advanced breeding technologies in delivering market-relevant crop innovations. The varieties are recommended for cultivation across multiple zones, including Gujarat, Rajasthan, Maharashtra, Odisha, Jharkhand, West Bengal, and the Northeastern States, positioning them as scalable solutions for diverse agro-climatic conditions. Researchers noted that their adaptability is expected to support expansion of groundnut cultivation in emerging regions, particularly in eastern and northeastern India.

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