

Space tech-based spectral library for Uma rice launched

Our Bureau

Kochi



The library facilitates precise assessments of the spatial distribution of the Uma variety in specific locations, understanding its current growth stage, and assessing influences of water or nutrient stress

costs, Girish Gopinath said.

U Surendran led the counterpart team of scientists from CWRDM. The study, titled "Development of Spectral Library for Hyper-spectral Data with Special Emphasis on Paddy," was funded by the Kerala State Council for

Science, Technology, and Environment with a grant of ₹83.5 lakh.

STRESS-TOLERANT

Uma rice, also known as 'unda rice', characterised by its round shape and sticky texture, is a popular rice variety released from Mancompu research sta-

tion of Kerala Agricultural University in 1998. Uma variety has been preferred in Kuttanad since its launching due to its high yield and stress tolerance.

Eventually, it became the most commonly grown variety in Kerala. It holds a special place in Kerala's culinary landscape, contributing to the State's diverse food culture.

Despite the challenges posed by climate change and associated extreme events in paddy cultivation in Kerala, Uma rice remains a staple.

This library facilitates precise assessments of the spatial distribution of the Uma variety in specific locations, understanding its current growth stage, and assessing influences of water or nutrient stress.

Additionally, it enables yield estimations through the utilisation of remote-sensing image.