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ICRISAT revolutionises crop testing with portable technology

These portable sensors allow for quick evaluation of nutrition levels in indigenous food grains right at the farmer's gate or in research fields

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Researchers at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) are leading a transformation in crop testing, combining AI-driven models and pocket-size near-infrared spectroscopy (NIRS) devices. These portable sensors allow for quick evaluation of nutrition levels in indigenous food grains right at the farmer's gate or in research fields.

Director General of ICRISAT, Dr Jacqueline d'Arros Hughes, championed the integration of this disruptive technology into breeding pipelines and key points of relevant value chains. Aligned with the UN Food and Agriculture Organization (FAO) strategy, Dr Hughes foresees the tool as a catalyst for the production of nutrient-dense crops, both in breeding programs and in farmers' fields, a crucial element in the global fight against malnutrition.

"This technology is poised to expedite the breeding of nutrient-dense crops while facilitating their integration into the value chain. Our goal with this intervention is to provide quality assurance for the distribution of nutritionally fortified crops so that they reach those who need them most," remarked Dr Hughes.

Read online: https://nuffoodsspectrum.in/news/16/21035/icrisat-revolutionises-crop-testing-with-portable-technology.html
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