

NICOBAR TIMES

ICAR-CIARI Promotes Balanced Fertilizer Use for Sustainable Island Agriculture

भा.कृ.अनु.प.-केन्द्रीय द्वीपीय कृषि अनुसंधान संस्थान, अंडमान एवं निकोबार द्वीपसमूह
ICAR-CENTRAL ISLAND AGRICULTURAL RESEARCH INSTITUTE, A&N ISLANDS

संतुलित उर्वरक उपयोग - आवश्यक है। BALANCED USE OF FERTILIZERS - A MUST.

जैव उर्वरक (BIOFERTILIZERS)

वर्मी कम्पोस्ट (Vermicompost) एवं गोबर की खाद (FYM) 	एजोस्पिरिलम (Azospirillum) 	राइजोबियम (Rhizobium) 	फॉस्फेट घुलनशील जीवाणु (Phosphate Solubilizing Bacteria) 	ट्राइकोडर्मा (Trichoderma) 	एजोला (Azolla) 	एनाबेना (Anabaena)
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मिट्टी एवं जल संरक्षण के उपाय (SOIL & WATER CONSERVATION PRACTICES)

बेड़बंदी (Bundling) 	खाई बगाना (Trenching) 	समन्वय कुवाई/काँचुर घेरी (Contour Farming) 	समतलीकरण/लेवलिंग (Land Leveling)
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सतत कृषि पद्धतियाँ (SUSTAINABLE FARMING PRACTICES)

मलिंग (Mulching) 	हरी खाद (Green Manuring) 	आवरण फसल (Cover Cropping) 	मिश्रित फसल (Mixed Cropping) 	अंतरफसल (Intercropping) 	दलहनी फसल के साथ फसल चक्र (Crop Rotation with Legumes)
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संतुलित उर्वरक उपयोग से सुनिश्चित होता है (BALANCED USE OF FERTILIZERS ENSURES):

- मिट्टी की उर्वरता एवं स्वास्थ्य में सुधार**
IMPROVES SOIL FERTILITY AND HEALTH
- जल उपयोग दक्षता में सुधार**
IMPROVES WATER USE EFFICIENCY
- फसल उत्पादकता में सुधार**
IMPROVES CROP PRODUCTIVITY
- पर्यावरण के लिए अनुकूल**
ECO-FRIENDLY
- खेती की लागत कम करता है**
REDUCES COST OF CULTIVATION
- सतत एवं टिकाऊ कृषि को बढ़ावा देता है**
PROMOTES SUSTAINABLE AGRICULTURE

Sri Vijaya Puram | May 11, 2026

The ICAR-Central Island Agricultural Research Institute (ICAR-CIARI) has launched a series of sensitization programmes across farmers' fields in different parts of the Andaman and Nicobar Islands to promote the balanced and responsible use of fertilizers as part of efforts towards sustainable agriculture.

The programmes, which began last month, aim to create awareness among farmers and agricultural stakeholders about the importance of integrated nutrient management and environmentally sustainable farming practices.

In a press communication, Dr. M. Muruganandam, Principal Scientist and Head of the Fisheries Science Division, along with his team comprising Dr. Arun Ajit Waman, Senior Scientist, Dr. Rafeeqe Rahman, Senior Scientist, and Dr. Puneeth P. V., Scientist, highlighted the importance of balanced fertilizer use and sustainable nutrient management practices.

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A pictorial representation of various types of fertilizers and their potential benefits has also been released to provide farmers and field-level functionaries with a simple and effective understanding of their role in enhancing crop productivity and maintaining soil health.

According to ICAR-CIARI, balanced fertilizer application based on crop type and growth stages is essential for sustained nutrient release, improved soil fertility, reduced cultivation costs, and minimization of environmental risks. The institute emphasized the need for integrating organic, biological, and inorganic nutrient sources as part of an effective nutrient management strategy.

The institute noted that the importance of balanced fertilizer use has become more significant amid the ongoing fertilizer shortages being experienced across the country. It stressed that efficient fertilizer management and addressing fertilizer scarcity require coordinated efforts from research institutions, extension agencies, government departments, NGOs, and farming communities. The communication further highlighted the need to strengthen the production and promotion of biofertilizers and organic fertilizers suitable for island farming systems. It also called for wider adoption of improved techniques for vermicomposting, farmyard manure preparation, biofertilizer production, and distribution.

ICAR-CIARI also underlined the importance of adopting soil and water conservation practices suited to the fragile island ecosystem and sloping terrains. These include bunding, trenching, contour farming, mulching, green manuring, cover cropping, mixed cropping, intercropping, and crop rotation.

The institute stated that proper land use planning based on production potential, combined with integrated fertilizer management and soil and water conservation measures, would help enhance agricultural productivity while ensuring the long-term sustainability of natural resources in the Islands.