



## Balanced use of fertilizers-A Campaign

Dated 21.05.2026

A team of Scientists of ICAR-Central Institute for Arid Horticulture, Bikaner (Rajasthan) visited and organized a campaign on “Balance use of fertilizers” in MGMG villages of Bikaner district viz. Dholera and Sarahrupayat on 21.05.2026. The team of Scientist including Dr. S.R. Meena, Dr. S.K. Maheshwari, Dr. D.K. Sarolia and Shri Roop Chand Balai initiated an awareness campaign/capacity- with regards to Balanced Use of Fertilizers (BUF), adoption of Integrated Plant Nutrient Management (IPNM) / Natural farming / Organic farming, use of biofertilizers / alternate source of nutrients, awareness about the efficient use of plant nutrients in horticultural crop/varieties, and the soil test-based fertilizer application and other input management in horticulture and other crops.

Initially, Dr. S.R. Meena, Principal Scientist, highlighted the purpose and importance of the campaign on Balanced Use of Fertilizers. He advised to farmers to apply the plant nutrients in balanced quantity as per the recommendation of scientific research work. He emphasized to increase the organic sources of plant nutrients in crop production and productivity of the same with environmental safety.

Dr. D.K. Sarolia, Principal Scientist elaborated about the organic sources of nutrients viz. growing of green manuring like Dhaincha, clusterbean, moong and other pulse crops for improving soil health and productivity for reducing use of chemical fertilizers. Besides, Dr. S.K. Maheshwari interacted with farmers with respect to use of balance fertilizers and reducing the possibilities of insect pest and diseases in horticultural crops.

On the occasion, Shri Roop Chand Balai explained the importance of organic and inorganic sources of plant nutrients. He told that chemical fertilizers should be used in balanced way along with organic sources viz. biofertilizers and alternative nutrient sources for improving the soil health with better production. He also advised to farmers that soil testing is very essential to maintained the soil health and application of fertilizers in balances way.

During the programme, it was felt that there is lack of the technical knowledge about the application of fertilizers as well as organic sources of plants nutrients. Farmers were of opinion that there is a lack of authentic seeds and planting materials at local level.



Team: Dr. S.R. Meena, Dr. S.K. Maheshwari, Dr. D.K. Sarolia, Sh. Roop Chand Balai