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National Campaign on Balanced Use of Fertilizers

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A team of Scientists of ICAR-Central Institute for Arid Horticulture, Bikaner (Rajasthan) visited and organized a campaign on “Balance use of fertilizers” and other aspects in MGMG villages of Bikaner district viz. Ambasar on 21.05.2026. The team including Dr. S.R. Meena, Dr. M.K. Jatav, Dr. B.R. Choudhary 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.

Starting the programme, Dr. S.R. Meena, Principal Scientist welcomed the participating farmers and explained in 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 also advised to farmers to grow green manuring crops to increase the soil fertility and soil conditions and save the expenditure in crop production.

On the occasion, Shri Roop Chand Balai explained about the benefits of green manuring in combination with inorganic fertilizers. He said 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.

Dr. M.K. Jatav, Principal Scientist (Soil Science), interacted with farmers and briefed about awareness campaign on biofertilizers and nutrient use efficient varieties. He also talked about integrated nutrient management, natural farming, and organic farming practices for improving soil health.

Dr. B.R. Choudhary, Principal Scientist, highlighted the significance of nutrient use efficient horticultural crops and varieties for enhancing production and productivity of the same. He said that farmers should adopt improved varieties of horticultural crops. These varieties surely can increase the income of the farmers, if sown as per improved production technologies like balance use of manure and fertilizers and other management practices.

During the programme, the farmers shared their experiences that by growing the cluster bean and groundnut in the field, the soil fertility and physical become better. Farmers were of opinion that there is a less knowledge and awareness about arid horticultural improved practices and lack of authentic seeds and planting materials at local level.



Team: Dr. S.R. Meena, Sh. Roop Chand Balai d and Dr. Manpreet Kaur