



About the Institute ICAR-RCER, Patna

The institute came into existence on 22nd February, 2001 with its Headquarter at Patna and its Regional Centre at Ranchi, Jharkhand along with Two KVks at Buxar, Bihar and Ramgarh, Jharkhand. Since establishment, the institute has undertaken various research, extension and training activities in the areas of land and water resources management, crop, horticulture, aquatic crops, fishery, livestock and poultry, agroforestry, processing, value addition and socio-economic aspects for agricultural development in the region so as to improve the livelihood of resource poor farmers. Every year the institute organizes a number of training programme for the farmers and other stakeholders of agriculture.



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Training on Integrated Farming System: Need of the hour
(December 9-12, 2025)

Organized by

ICAR-Research Complex for Eastern Region

ICAR Parishar, P. O. - Bihar Veterinary College, Patna, Bihar – 800014



Sponsored by

Bihar Agricultural Management & Extension Training Institute (BAMETI)

Why This Training?

In Bihar, average landholding is less than one acre (0.32 ha) and rice-wheat system alone is no longer economically viable. Integrating location-specific enterprises with crops can significantly enhance income, resource use efficiency, and nutritional security. Integrated Farming Systems (IFS) support nutrient recycling, reduce cultivation costs, and improve profitability for small and marginal farmers. Yet adoption remains limited due to inadequate technical knowledge, lack of hands-on exposure, and low awareness of scientific IFS practices. As a result, many farmers depend on a single enterprise, increasing their vulnerability to climate stress, market fluctuations, and pest outbreaks.

A dedicated training program on IFS is therefore essential to build the capacities of farmers, rural youth, and extension workers through practical demonstrations and exposure to proven IFS models. The training will highlight key enterprise linkages such as using livestock manure for crops, integrating fish with horticulture for diversified income, and promoting on-farm waste recycling to reduce input costs. By strengthening technical skills and encouraging scientific adoption, the program aims to support climate-resilient, low-cost, year-round farming systems that enhance soil health, improve livelihoods, and ensure better nutritional security in rural Bihar.

Major focus of the training

The topics selected for this training programme are essential for farmers, rural youth and extension functionaries. These topics are as follows:

- Integrated Farming Systems in Eastern India: Present Status and Future Prospects
- Concept, Principles, and Scope of IFS for Small and Marginal Farmers
- Soil Health Management, Weed Management and INM under IFS
- Crop diversification under Integrated Farming System
- Concept and Establishment of Nutri-Gardens for Nutritional Security in IFS
- Fodder production under Integrated Farming Systems
- Role of Information Technology in IFS
- Mushroom farming under Integrated Farming Systems
- Livestock & Fishery Management under Integrated Farming Systems
- Management of Agroforestry and Tree-Based Components under IFS
- Poultry and Duckery Management under Integrated Farming Systems
- Farm Pond Management and Enhancing Water Use Efficiency under IFS
- Marketing Strategies for Farm Produce from IFS
- Vermicomposting and Farm Waste Recycling under IFS

Faculty Involved

Experts from the ICAR Research Complex for Eastern Region, Patna and its Centre viz., Farming System Research Centre for Hill and Plateau Region (FSRCHPR), Ranchi and other experts from different ICAR institute and SAUs.

For more information, please contact

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