

## OBJECTIVES

- To study productivity, profitability, sustainability, quality and input use-efficiencies of different crops and cropping systems under organic farming in different agro-ecological regions.
- To develop efficient crop and soil management options for organic farming.
- To develop need-based cost-effective new techniques for farm-waste recycling

## MISSION

Improve food, nutrition, livelihood and financial security of small and marginal households through climate smart Integrated Farming Systems (to make marginal and small households as bountiful)

## VISION

Management of natural resources for holistic improvement of small and marginal farmers through Integrated Farming Systems

## SIGNIFICANT ACHIEVEMENTS

- Integrated Organic Farming System (IOFS) models developed at Umiam (Meghalaya) and Coimbatore (Tamil Nadu) promises to meet the 80-90 % organic inputs within the system.
- Continuous practice of raising the crops organically has good potential to sequester the C (up to 63 %) in the soil to offset the C emissions in the atmosphere.
- Seven new centres (SK Nagar, Almora, Udaipur, Ajmer, Thiruvananthapuram, Gangtok and Narendrapur) made functional from 2015-16.

## NEW INITIATIVES

- Geo-referenced characterization of organic farmers
- Evaluation of existing varieties under organic management
- Integrated Organic Farming System model development at 8 locations

## LOCATIONS OF REGIONAL STATIONS

Nil

## NPOF centres: 20 centres in 16 states



## FIVE BEST TECHNOLOGIES/PRODUCTS

- Niche areas identified based on present level of fertilizer and nutrient consumption for promotion of organic farming in India
- Integrated organic farming system model consisting of cropping systems in 0.34 ha + dairy (2 cows, 1 calf) + vermicompost + boundary plantation was developed in 0.43 ha at Coimbatore for western zone of Southern Plateau and Hills region. The cropping systems consists of okra + coriander (leaf)-maize + cowpea (fodder) in 0.12 ha, green manure (sunhemp)-cotton-fodder sorghum in 0.12 ha and Cumbu napier fodder & Desmanthus sp in 0.1 ha. The system generates 84 % of the organic inputs required for one acre integrated organic farming system model
- Scientific Package of Practices for organic production of 42 cropping systems has been prepared. Scientific organic farming practices needs to be promoted in niche crops and areas for having the crop productivity at comparable or higher level.

## COLLABORATIVE PARTNERS

11 State Agricultural Universities, 8 ICAR institutes/centres and 1 deemed to be/special heritage university, UOCB, Dehradun

## FLAGSHIP PROGRAMMES

Development of location specific organic package of practices and its up-scaling including capacity building of stakeholders

**THRUST AREAS FOR XII PLAN**

- Organic Production Packages with innovative organic practices for potential crops and cropping systems
- Identification of varieties of major crops for organic farming
- Identification of bio-intensive complementary cropping systems for natural pest management under organic production systems
- Development of Integrated Organic Farming System models for niche areas
- Perfection of cost effective techniques for farm-waste recycling
- Promotion of organic Farming using cluster (OFC) approach in tribal areas

**EXTERNALLY FUNDED PROJECTS /CONSULTANCY**

Consultancy project on “Development of Integrated Organic Farming System Model” for Uttarakhand with Uttarakhand Organic Commodity Borad, Dehradun

**QRT**

Period:2007 to 2012

Chairman: Dr Panjab Singh

Next QRT due for 2012 to 2017

**RAC**

Period:10/09/2013 to 09/09/2016

Chairman: Dr I.P Abrol

Next RAC due for:10/09/2016 to 09/09/2019

**STAFF STRENGTH**

No permanent staff, only 2 SRFs per centre are provided

**PUBLICATIONS (2013-14)**

No. of papers in NAAS rated journals:

(a) No. of papers in score < 6 :12

(b) No. of papers in scores > 6: 7

Total: 19

Per scientist per year papers:1.46

**FINANCIAL OUTLAY**

**For NPOF (Rs in lakh)**

	XI Plan actual utilization	XII Plan proposed	Last year budget (2015-16)		
			RE	Actual Expenditure	% Utilization
Plan	484.61	1170.00	180.00	180.00	100
Non-Plan	-	-	-	-	-
Total	484.61	1170.00	180.00	180.00	100

**RESOURCE GENERATION FOR LAST 3 YEARS**

**(Rs. In lakhs)**

2011-12	2012-13	2013-14
-	-	-

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