

MANDATE

- Research in integrated farming systems on production technologies for improving productivity and resource use efficiencies.
- Develop efficient, economically viable and environmentally sustainable integrated farming system models for different farming situations.
- On-farm testing, verification and refinement of system-based farm production technologies.
- Coordinate and monitor integrated farming systems research in the country.

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

- Established IFS models at 32 locations in 23 states for research, education and extension. Income levels; 3 models with >Rs. 2.5 lakhs/ha/year and 13 models with Rs. 1.5 to 2.5 lakhs/ha/year.
- IFS model (0.70 ha) for marginal farmers in Western Plain Zone of Uttar Pradesh provided gross and net return of Rs. 558380 and Rs. 267447 respectively with 358 days of employment.
- Rice (Saket-4) yield was higher with self-propelled transplanter compared to direct seeded rice. Zero, strip and rotary till drills and bed planter provided higher wheat yields (8-12%), net returns (8-19%), cost effectiveness (8-13%) and energy efficiency (19-26%); and reduced Phalaris minor (57-82%) incidence compared to conventional sowing.
- Recycling of rice residue resulted in 6.52t ha⁻¹ of wheat yield which was 9 and 5% higher than retrieval and burning.
- Package of practices for organic farming of 42 crops/systems have been developed and placed in public domain.

LOCATIONS OF REGIONAL STATIONS

Nil

FIVE BEST TECHNOLOGIES/PRODUCTS

- Pigeon pea+chickpea-wheat + mustard (zero tillage)-cowpea (furrow) was found to be a climate resilient cropping systems.
- IFS model in 0.70 ha of land comprising of crops (0.38 ha), agri-horti system (0.30 ha), dairy animals (2 buffaloes + 1 cow), small units of mushroom and biogas (1.5 cubic meter),vermicompost, kitchen gardening and boundary plantations provides sizable amount (Rs 62,356/year) as saving to meet out other liabilities of the family.
- Policy for promotion of organic farming in India was prepared based on the results of NPOF scheme.
- Farming Systems Research: Success stories (series 1) prepared from on-farm research of AICRP on IFS.
- Protocols for carrot tuity fruity

NEW INITIATIVES

- Partnership in Integrated Farming Systems Research with identified ICAR institutes and linkage
- Farmer participatory integrated farming systems research in Muzzafarnagar district
- Capacity building in the area of farming systems research

COLLABORATIVE PARTNERS

26 SAU's, ICAR-CIARI, Port Blair, ICAR RC-ER, Patna, ICAR RC-NEH, ICAR-RC-Goa, ICAR-CARI, ICAR-IIHR, ICAR-NIANP, ICAR-CISH, ICAR-NRC on Pig, ICAR-DWSR, ICAR-CAFRI, ICAR-IGFRI, ICAR-DPR, ICAR-IIOR, ICAR-ZPD, Kolkata IGKVV, Raipur, SVPUAT, Meerut, UPCSR, Muzafernagar, UOCB, Dehradun

FLAGSHIP PROGRAMMES

- Development of region and resource specific IFS models for marginal and small holders
- Development of location specific organic package for major crops and cropping systems

THRUST AREAS FOR XII PLAN

- Development of characterization methodologies for mapping and constraint analysis of existing farming systems
- Synthesis for Bankable location specific (district/NARP zonal basis) IFS models
- Farming system Simulation/ modeling including typology
- System based innovative technologies and methodologies for producing more with less

- Ensuring nutritional security through farming system approach.
- Capacity Building for IFS research and extension

EXTERNALLY FUNDED PROJECTS /CONSULTANCY

- Foreign aided projects: 02 (Bill & Melinda Gates foundation funded University of Nebraska-Lincoln-ICAR collaborative, AgMIP consortia)
- Other sponsored projects – 07 (NICRA, THDC, SAC, ICAR National Fellow, NFBSR, UOCB, ICAR-CIWA)

STAFF STRENGTH

	Sanctioned	Filled	Vacant	% vacant
RMP	1	1	-	Nil
Scientific	39	31	08	20.5
Technical	25	25	0	Nil
Administrative	16	15 +2**	1	6.25
Supporting	10	10 +15***	-	Nil
Total	91	82 +17	09	9.89

1 each of steno and PA are in excess, *Supporting staff with temporary status (ex-cadre)

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

IMC

Period:15/04/2013 to 14/04/2016

Chairman: Dr. A.S.Panwar

Next IMC due for:15/04/2016 to 14/04/2019

RFD & COMPOSITE SCORE FOR 4 YEARS

Year	2011-12	2012-13	2013-14	2014-15
Score	96.00	96.73	93.65	93.6

PUBLICATIONS (2015-16)

No. of papers in NAAS rated journals:

(a) No. of papers in score < 6 :17

(b) No. of papers in scores > 6: 24

Total: 41

Per scientist per year papers: 1.05

FINANCIAL OUTLAY

For Main Institute

(Rs in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget (2016-17)		
			RE	Actual Expenditure	% Utilization
Plan	759.80	1240.00	185.0	-	-
Non-Plan	2745.44	6710.00	1045.38	74.38	7.11
Total	3505.24	7950.00	1230.38	74.38	7.11

For AICRP

(Rs in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget (2015-16)		
			RE	Actual Expenditure	% Utilization
Plan	7786.11	16800.00	2466.68	2466.68	100
Non-Plan	-	-	-	-	-
Total	7786.11	16800.00	2466.68	2466.68	100

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

For Institute +AICRP+NPOF

(Rs in lakh)

	XI Plan actual utilization	XII Plan proposed	Last year budget (2015-16)		
			RE	Actual Expenditure	% Utilization
Plan	9030.52	19210.00	2831.68	2446.68	86.40
Non-Plan	2745.44	6710.00	1045.38	74.38	7.11
Total	11775.96	25920.00	3877.06	2521.06	65.025

RESOURCE GENERATION FOR LAST 3 YEARS

(Rs. In lakhs)

2012-13	2013-14	2014-15	2015-16
38.98	53.22	50.42	38.42

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