

## Proforma for the Annual Report of Main/Sub-Centre

**1.0. Name of the centre :**

**2.0. Executive summary (2 pages)**

**3.0. Background information**

**4.0. The relative priority of and resources allocated to various programmes**

Priority	Theme	Budget allocated (%)
<b>Main / subcentres</b>		
	<b>Resource characterization</b>	
	<b>Rainwater management</b>	
	<b>Cropping systems</b>	
	<b>Nutrient management</b>	
	<b>Energy management</b>	
	<b>Alternate land use systems</b>	
	<b>Evaluation of improved varieties</b>	
	<b>Integrated farming systems</b>	

**5.0. Weather data during 2014-15 (January 2014 – March 2015)**

- Daily rainfall data in Tabular form as Annexure
- Monthly rainfall data (2014-15 vs. mean monthly rainfall) in a graph
- Normal onset of monsoon (date and month):
- Onset of monsoon during 2014-15 (date and month):
- Normal annual rainfall:
- Annual rainfall during 2014-15:
- Mean crop seasonal rainfall: Kharif:.....; Rabi:.....
- Crop seasonal rainfall during 2014-15: Kharif:.....; Rabi:.....
- Give one page note on scenario of drought and other extreme events (excess rainfall/hailstorm/frost etc): Rainfall, onset of monsoon, seasonal drought, occurrence of dry spells: number, duration of each dry spell and stage of the crop etc.

## 6.0. Research Achievements

**Please give the following information for each experiment under different themes**

1. Title of the experiment:
2. PI and Co-PIs
3. Background information leading to the need of the experiment (4-5 lines):
4. Year of start:
5. Objectives:
6. Crop (s) and variety (ies):
7. Treatment details (Imposition of treatments including source of material/ implement/method/stage (DAS) of the crop etc).
8. Experimental design and no. of replications:
9. Plot size (m<sup>2</sup>): Gross:.....; Net:.....
10. Date (s) of sowing:
11. Seed rate (kg/ha): .....
12. Spacing:
13. Date (s) of harvesting:
14. Any land treatment other than experimental treatments: *In-situ* moisture conservation/ foliar spray/ supplemental irrigation etc given during crop growing season. Please specify the date stage of the crop.
15. Initial soil properties:
  - a) Physical
    - Texture:
    - Depth (cm):
    - Field capacity (%):
    - Wilting point (%):
  - b) Chemical
    - pH:
    - Organic C:
    - Available N:
    - Available P:
    - Available K:

## 16. Research results:

### Data formats (minimum data sets) for different themes:

#### 6.1. Rainwater management

##### a) *In-situ* rainwater management

Treatment	Yield (kg/ha)			Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Seed/grain yield in 2014	Mean seed/grain yield (no. of years)	Stover/stalk yield				

Photo of best treatment

Photo of control

##### b) *Ex-situ* rainwater management

Treatment	Yield (kg/ha)			Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Seed/grain yield in 2014	Mean seed/grain yield (no. of years)	Stover/stalk yield				

\*In case of supplemental irrigation, give details of number of irrigations, stage(s) of providing irrigation, amount of water given through each irrigation, method of irrigation etc.

Photo of best treatment

Photo of control

## 6.2 Cropping systems

### a) Intercropping systems

Treatment	Yield (kg/ha)		MCEY	LER	MAI	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Main crop	Intercrop							

LER: Land equivalent ratio; MCEY: Main crop equivalent yield; MAI: Monetary advantage index

Photo of best treatment

Photo of control

### b) Double/relay cropping systems

Treatment	Yield (kg/ha)		MCEY	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Crop 1	Crop 2					

MCEY: Main crop equivalent yield

Photo of best treatment

Photo of control

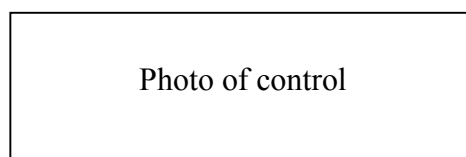
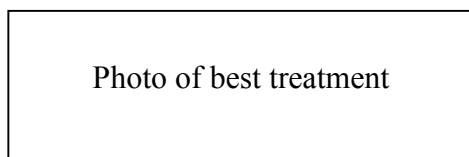
## 6.3 Nutrient management

### a) Effect of treatments on crop yield and economics

Treatment	Yield (kg/ha)			Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Grain/seed in 2014	Mean seed/grain yield (no. of years)	Stover/talk				

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\*Give details of manures (FYM/VC/green manure etc) used including nutrient composition of manures, source of manures, quantity of application (treatment-wise) on fresh/dry weight basis, method and time of application etc



**b) Effect of treatments on soil physical properties**

Treatment	BD (Mg/m <sup>3</sup> )	Infiltration rate (mm/hr)	FC	PWP	AWC
Initial values (at the start of expt.)					

\*Moisture retention at field capacity (FC) and permanent wilting point (PWP), AWC: Available water capacity

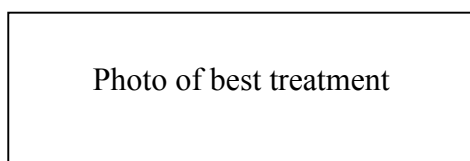
**c) Effect of treatments on soil chemical properties**

Treatment	pH	Organic C (%)	Av. nutrients (kg/ha)			DTPA extractable micronutrients (ppm)			
			N	P	K	Zn	Fe	Cu	Mn
Initial values (at the start of expt.)									

#### 6.4. Evaluation of improved varieties

Variety	Yield (kg/ha)			DSI	DTE	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Seed/grain yield in 2014	Mean seed/grain yield (no. of years)	Stover/stalk yield						

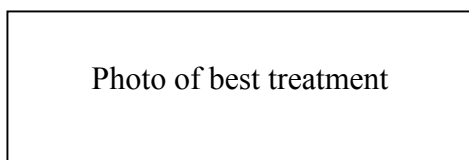
DSI: Drought susceptibility index; DTE: Drought tolerance efficiency



#### 6.5. Energy management

##### a) Effect of treatments on crop yield and economics

Treatment	Yield (kg/ha)			Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Seed/grain yield in 2014	Mean seed/grain yield (no. of years)	Stover/stalk yield				



##### b) Effect of treatments on energy use efficiency

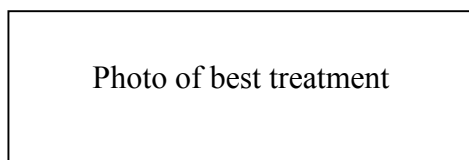
Treatment	Field efficiency (hr/ha)	Energy (MJ/ha)		Energy use efficiency
		Input	Output	

## 6.6. Alternate land use

### a) Effect of treatments on crop yield and economics

Treatment	Yield (kg/ha)			MCEY (kg/ha)	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Main crop (fruit/plantation)	Intercrop (annual crop)	Stover/s talk yield					

MCEY: Main crop equivalent yield



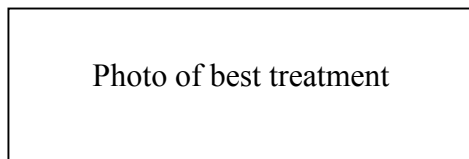
### b) Effect of treatments on growth parameters of young fruit/plantation crop

Treatment	Plant height (cm)	No. of branches	Collar diameter (cm)	Canopy spread (cm)		Biomass (kg/tree)
				N-S	E-W	

## 6.7. Integrated farming systems

Farming system	Productivity (kg/ha)			System productivity (MCEY) (kg/ha)	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	Employment generation (man-days/ha/yr)
	Crop	Lives tock	Any other enter-prise					
Main crop/cropping system*								

MCEY: Main crop equivalent yield; \*Example, groundnut for Anantapur



### 6.8. Other crop management practices (weed management)

Treatment	Yield (kg/ha)			WCE	WI	Cost of cultivation (Rs/ha)	Net return (Rs/ha)	B:C ratio	RWUE (kg/ha-mm)
	Seed/grain yield in 2014	Mean seed/grain yield (no. of years)	Stover/stalk yield						

WCE: Weed control efficiency; WI: Weed index

### 7.0. Externally funded/ Consultancy Projects, Resource generation etc.

Title with brief details of the project and outcome

#### 7.1. State (SAUs, Department of Agriculture etc)

#### 7.2. National (ICAR, DST etc)

#### 7.3. International (ICRISAT, ICARDA etc)

### 8.0. Doable technologies ready for upscaling:

Recommendation domain:	
Existing practice:	
Improved technology:	
Performance:	
Impact and upscaling:	
Scope for convergence:	

### 9.0. List of technologies in pipeline



## 10.0. Publications

a. Journal articles

b. Popular articles

c. Bulletins

d. Book chapters

e. Reports

## 11.0. Seminar/ symposia/ conferences attended

Sl. no.	Name of the scientist	Name of the symposia/seminar/conference attended	Title of the paper presented	Where, duration and by whom it was organized

## 12.0. Success stories from farmers

1.	Name of the farmer	:		
2.	<b>Address</b>	:		
	i) Village	:		
	ii) Post	:		
	iii) Tehsil	:		
	iv) District	:		
	v) State	:		
3.	Contact details	:		
4.	Details of the farm (size, location, water availability etc.)	:		
5.	Membership in Self-Help Group, Producers Cooperative/ Company, Cooperative Society, etc., (give details)	:		
6.	Names of the Central Sector / State Schemes utilized by the farmer and the period	:		
7.	Technologies / Good Agricultural Practices / Facilities / Benefits obtained with details	:		
8.	Details of results obtained due to the adoption of technologies (Season-wise crops grown techniques adopted, results achieved etc.)	:	<b>Improved / present production technologies</b>	<b>Traditional / past production practices</b>
	i) Productivity per hectare	:		
	ii) Cost of production per hectare	:		
	iii) Net income per hectare	:		
	iv) Price realized (Rs. per ton)	:		

	v)	Natural Resources saved /conserved like soil, water etc.	:		
	vi)	Product quality improvement	:		
9.		Marketing Strategy – Access to market (through private, cooperative, contract farming etc.) -Export market (details of exports made)	:		
10.		Factors contributing to success	:		
11.		Any other relevant information	:		

### 13.0. Extent and quality of interaction with stakeholders

#### 13.1. For Technology Upscaling

Activity	Organized on	Attended by	Outcome
On-farm demonstrations			
Farmers Days			
Field Visits to on-station and on farm trials / demonstrations			
Diagnostic visits during cropping season – effect of extreme events like drought, flood, heat wave, cold wave and also during pest and diseases outbreak etc.			
Exhibition stalls during Kisan Melas/ Agri-Fair etc.			
Any other			

#### 13.2. For developing and dissemination of contingency crop plans (put ✓ mark)

Centre	Target area	Participation is SAU level weather watch group meeting	Participation in state/ district level contingency plan meetings with line departments	On station* Demonstration of contingency plan on real time basis	On farm demonstration of contingency plans in ORP and other villages through line departments and KVK adopted villages	Dissemination of contingency plans through radio, television and press/ video conference	Contribution of weekly crop advisories / articles on cropping with drought in the local language news papers	Production and distribution of late planting varieties through seed project

**13.3. For dissemination of Agro-Advisories (Important photographs/video clipping/ media reports /news paper cutting etc., to be enclosed)**

a. Strategic meetings

b. Radio Talks

Name of scientist	Topic	Date

c. TV talks

Name of scientist	Topic	Date

d. Print media ( enclose scanned or original news paper clippings )

e. Group meetings

f. Others

**13.4. Linkages with clientele relevant persons, institutions, organizations, etc.**

Organization with which linkage is developed	Purpose of linkage	Outcome
ICAR institutes /centres		
Any other AICR Projects		
Self Help Groups (SHGs) in case of ORP		
Village Organizations- Self Help Groups etc		
Panchayat Raj Institutes (PRIs)		
Depart. of Agriculture		
Dept. of Horticulture		
ATMA		
Watershed programmes		
KVK		
Any other state line department		
NGOs		
NABARD		
Any other (Specify)		

**14.0. Workshop/Group Meetings/Brain Storming etc., organized**

Activity	Organized on	Attended by	Outcome

## 15.0. Human Resource Development

### 15.1. Trainings organized by the centre independently or in collaboration with some organization

Sl. No.	Title of the training organized	Attended by	Number of participants	Duration (date)

### 15.2. Trainings attended by scientific/ technical staff of the centre

Name of the participant	Title of the training	Date	Venue

### 15.3. Leaflets/Training material etc., developed

### 15.4. Scientists of the centres as resource persons in various trainings/ meetings/ kisan melas / diagnostic visits etc.

Name of the scientist	Activity	Organization

## 16. Honours/ Appreciations/Awards/Rewards/Recognition received

### 16.1. To the AICRPDA centre

### 16.2. To the individual scientists

### 16.3. Education (PG education - Guidance)

## 17. Staff position

Give in the table from AF- II a/b/ c appropriate to your centre

## 18. Budget position

Statement showing the sanction, O.B as on 31.3.2015, Remittances, expenditure and closing balance

RE 2014-15	O.B	Remittance	Rev Rpt	Pay & Allow.	T.A.	R.C.	N.R.C.	I.T.	Total	C.B

**ANNEXURE**

**Daily rainfall during 2014-15 (Jan. 2014 – Mar. 2015)**

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan. 15	Feb. 15	Mar. 15
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