



Any other (Pl. specify) Relay cropping	<b>Relay Cropping of Lathyrus var. <i>Ratan.</i></b>	<b>Seed.</b>	<b>2</b>			<b>7.6</b>	<b>5.8</b>	<b>11000</b>	<b>30400</b>	<b>19400</b>	<b>2.76</b>
Soil Health Management	<b>Cultivation of Green manuring crop <i>Dhaincha</i></b>	<b>seed</b>	<b>On going</b>								

**\*Mention crop being taken up in each demonstrations**

## Module 2: Crop Production.

Interventions	Technology demonstrated	Critical input (Variety, Fertilizer / Machinery, etc)	No. of farmers benefited	Area (ha)	Measurable indicators of yield* (q/ha)		% increase in yield	Economics of demonstration (Rs./ha)				Economics of Local (Rs./ha)			
					Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Introducing of short duration varieties															
Crop diversification and productivity improvement	HYV of Jute- <i>Tarun</i>	Seed, fertilizers	2	1	26.40	22.60	16.81	44000	92400	48400	2.1	41600	79100	37500	1.9
	Wheat Var. HD 2967	Seed and fertilizers	5	2	29.6	24.5	20.8	24500	44500	20000	1.81	22500	36750	14250	1.63
	Linseed var. <i>Shekhar</i>	Seeds and fertilizers	2	0.5	7.8	-	-	80000	15600	7600	1.95	-	-	-	-



Custom hiring centres for timely planting															
Location specific intercropping systems with high sustainable yield index															
Any other	Management of banana fruits scrapping beetle through bagging the branch	Fertilizers protective poly bag	5	1	On going	-	-	-	-	-	-	-	-	-	-

**\*make a separate row for each crop and variety demonstrations**

**Module-3: Livestock & Fisheries**

Interventions	Technology demonstrated	Critical input (Variety, Breed, etc)	No. of farmers	Unit/ No. / Area (ha)	Measurable indicators of output*		% increase	Economics of demonstration (Rs./ha)				Economics of check(Rs./ha)			
					Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Use of community lands for fodder production during droughts / floods	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improved fodder/feed storage methods	Cultivation of Hybrid napier grass (Var: CO-3)	Hybrid napier grass (Var: CO-3) stem cuttings	3	0.12 ha	a) Yield of green grass. b) Total no. of cuts obtained. c) Nutritive value of fresh fodder grass.	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Preventive vaccination	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improved shelters for reducing heat stress in livestock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Introduction of improved breeds	Rearing of Charachemballi duck under	Charachemballi ducklings, Vaccines &	3	NA	a) Body weight gain.	Corresponding parameters (Standard	-	2750.00	9800.00	7050.00	2.56	Standard data for indigenous ducks ( <i>Pati</i> duck) in Assam			



**Performance of the Demonstration units under Module-3 ( Livestock & Fisheries):**

**Demonstration- 1: Cultivation of improved fodder grass (Hybrid napier; Var: CO-3)**

**Table 1: Productivity of Hybrid napier grass (Var: CO-3)**

Total no. of farmers: 3  
 Total no of units: 3  
 Area / beneficiary: 1.5 katha or 0.04 ha  
 Total area: 4.5 katha (0.12 ha)

<b>Fertilizer application</b>	<b>Total no of units</b>	<b>Area / beneficiary</b>	<b>Average no of cutsobtained/ year</b>	<b>Average yield/ cut (q)</b>	<b>Average annual yield (q)</b>	<b>Average Productivity (q/ha)</b>
<b>Basal application:</b> a) Chemical fertilizer: Urea @ 2.4kg, SSP @ 8kg and MOP @ 1.4kg per katha.  b) Farm yard manure : 1.4 q/ katha <b>Top dressing after every cut:</b> Urea @ 1.2kg per katha	3	0.04 ha (1.5 katha)	6	5.97	35.82	896.00 q/ha

**Demonstration -2: Backyard rearing of Charachemballi duck:**

**Table 1: Performance of Charachemballi ducks.**

Total no. of farmers: 3  
Total no. of Charachemballi ducks: 75  
Total number of birds/ beneficiary: 25

<b>Sl. No</b>	<b>Parameters of assessment</b>	<b>Results</b>
(a)	Average weight of day-old Charachemballi duckling	46.5 g
(b)	Average weight of Charachemballi duck at 16 weeks of age	1050 g
(c)	Average weight of Charachemballi duck at 24 weeks of age	1450 g
(d)	Mortality % upto 24 weeks of age	6.67 %
(e)	Age at first egg	150 days
(f)	Average annual egg production	152 eggs
(g)	Average egg weight	67 g
(i)	Average weight of male Charachemballi duck at 40 weeks of age	1805 g
(j)	Average weight of female Charachemballi duck at 40 weeks of age	1525 g
(k)	Incidence of infectious diseases recorded in one year period	Nil
(i)	Survivability	88 %



#### Module-4: Institutional Interventions

Interventions	Details of activity			Critical input (Breed / Variety / Medicine doses,)	No. of farmers	Unit / No. / Area (ha)
	Name of crops / Commodity groups / Implements	Quantity / Number / Rent / Charges	Technology used in seed / fodder bank & function of groups			
Seed bank	-	-	-	-	-	-
Fodder bank	-	-	-	-	-	-
Commodity groups	-	-	-	-	-	-
Custom hiring centre	Power tiller	4500.00	Custom hiring for land preparation	-	<b>50</b>	<b>30 ha</b>
Collective marketing	-	-	-	-	-	-
Climate literacy through a village level weather station	-	-	-	-	-	-
Any other (Pl. specify)	-	-	-	-	-	-

**Module-5: Capacity Building taken up (HRD)**

Sl. No.	Thematic area	Title of training	No. of Courses	No. of beneficiaries		Date	
				Male	Female	from	to
1	Organic input production	Low cost vermicompost production	1	16	4	12.08.15	12.08.15
2	Resource Conservation	System of rice cultivation	1	23	4	23.06.15	23.06.15
3	Crop production	Hybrid paddy cultivation	1	29	0	04.10.15	04.10.15
4	Crop Production	Production Technology of late sown toria.	1	11	8	09.11.15	09.11.15
5	Animal health care	Animal Health care management.	1	22	3	07.12.15	07.12.15

**Module-6: Extension Activities:**

Name of the activity	No .of KVKs	Number of programmes	No. of beneficiaries		Remarks
			Male	Female	
Exposure visit of farmers	1	1	35	0	Visit to Organic Farm of Mr. Neelom Datta, Haldhar Organic Award (2015) winner farmer, Pabhoi, Biswanath Chariali.
Strengthen - SHG	-	-	-	-	-
Strengthen - kisan club	-	-	-	-	-
Integrated farming system	-	-	-	-	-
Field days	1	1	25	-	Field day on Winter paddy var. <i>Padumoni</i>
Method demonstrations	1	5	60	15	
Awareness	1	1	25	0	<i>Jai Kisan Jai Vigyan Divas</i>
Soil Health Camp	1	1	50	3	In collaboration with IFFCO

### 7. Rainfall characteristics for the year 2015-16

Kharif 2015		JUNE	JULY	AUGUST	SEPTEMBER	ANNUAL
Rainfall received in (mm)		354.7	375.9	322.2	237.9	1978.7
No. of dry spells during kharif season 2015	>10days	1	-	-	1	
	>15days	-	-	-	-	
	>20days	-	-	-	-	
No. of intensive rain spells (2015)	>60 mm per day	-	7	4	2	13
	Water logging observed ( days)	10	12	10	-	32

### 8. Impact of contingency measures (Relate the dry spells with crop and their growth stages) ; NA

S. No	Dry spell ( no. of days)	Duration( from --- to--)	Crop name*	Crop stage	Intervention taken up	Number of farmers involved	Impact on crop yields (q/ha)	
							Farmers' practice	Demo
1								
2								
3								

\*Interventions taken up (list them for each crop).

9. Adoption of successful intervention in the NICRA village & the adjoining villages

Successful Interventions	Extent of adoption in the village (no. of farmers)			
	2012	2013	2014	2015
Vermicomposting	2	5	8	13
Green manuring with Dhaincha ( <i>Sesbania</i> )	2	4	15	27
Staggered planting Winter paddy var. <i>Gitesh</i>	-	12	18	25
HYV Toria var. TS 36 and TS 46	15	35	47	78
Banana orchard var. <i>Amrit Sagar</i> with black polythene mulching	1	3	5	7
Dual purpose poultry breed <i>Vanraja</i>	3	7	10	18
Fodder cultivation (Hybrid Napier)	3	10	12	15
Crop residue management	5	20	25	60
Nutrition gardening	2	5	8	11