

NICRA Annual Report 2022-23

I. Module I : NRM

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs/ha)		
				Gross Cost	Net Return	BCR
Green manuring (dhaincha) in rice	NA	NA	NA	NA	NA	NA
Brown manuring in rice	NA	NA	NA	NA	NA	NA
Summer Ploughing in rice	NA	NA	NA	NA	NA	NA
Azolla in Paddy	NA	NA	NA	NA	NA	NA
Zero Tillage in wheat / Maize/ Others crops	NA	NA	NA	NA	NA	NA
Repair of bund	40	15	Ongoing			
Horticultural production through land embankment development	NA	NA	NA	NA	NA	NA
Organic mulching in vegetables	NA	NA	NA	NA	NA	NA
Mulching	NA	NA	NA	NA	NA	NA
Any intervention not covered in above	NA	NA	NA	NA	NA	NA
Total	40	15				

Table. Performances of demonstration of in-situ moisture conservation technologies

Table. Performances of water harvesting and recycling for supplemental irrigation

Technology demonstrated	No. of farmers	Area (ha)/Unit	Output (q/ha)	Economics of demonstration (Rs/ha)		
				Gross Cost	Net Return	BCR
Renovation of pond for fish production and irrigation	60	2	Ongoing			
Renovation of canal	50	4 KM				
5% Model	45	15 ha				
Bora bandh	40					
Renovation of Well for irrigation	30	30 no.s				
Bund making leveling in paddy field	50	15				
New water harvesting structure	-	1				
Raising of land embankment	NA	NA				
Ground water recharge	NA	NA				
Desiltation of defunct water harvesting structures	NA	NA				
Renovation of irrigation channel	NA	NA				
Newly Check dam	NA	NA				
Renovation of common pond	60	2				
Any intervention not covered in above						
Total						



Table. Performance of artificial ground water recharge technologies demonstrated

Technology demonstrated	No. of farmers	Area (ha)	Output (q/ha)	Economics of demonstration (Rs./ha)		
				Gross Cost	Net Return	BCR
Field bunding for rice	NA	NA	NA	NA	NA	NA
Water management through bunding of rice	NA	NA	NA	NA	NA	NA
Ground water recharge through SRI by sub-soiler	NA	NA	NA	NA	NA	NA
Any intervention not covered in above	NA	NA	NA	NA	NA	NA
Total						

Enclosed 2/3 Photos

Table. Performance of different water saving irrigation methods

Technology demonstrated	No. of farmers	Area (ha)	Output (q/ha)	Economics of demonstration (Rs./ha)		
				Gross Cost	Net Return	BCR
Irrigation system (micro Irrigation system)	NA	NA	NA	NA	NA	NA
Application of biofertilizer in rice/crops	NA	NA	NA	NA	NA	NA
Vermi-compost from biodegradable wastes	20	20 no.s	11 .4+ 4 kg vermin	15400	5500	1.8
Production of crops on farm bund	NA	NA	NA	NA	NA	NA
RBF in crops	NA	NA	NA	NA	NA	NA
LEWA in crops	NA	NA	NA	NA	NA	NA
Sprinkler irrigation in crops	NA	NA	NA	NA	NA	NA
Any intervention not covered in above	NA	NA	NA	NA	NA	NA
Total						



Table. Performance of other demonstrations

Technology demonstrated	No. of farmers	Area (ha)	Output (q/ha)	Economics of demonstration (Rs./ha)		
				Gross Cost	Net Return	BCR
Foliar application of WSF(18:18:18) in Green gram	50	20	6.4	17672	31960	2.80
Others if any						
Total						



Table: Rainwater harvesting structures developed

RWH structures	No.	Storage capacity (cu.m)	No. of farmers	Protective irrigation potential (ha)	Increase in cropping intensity (%)
Desilting Pond	NA	NA	NA	NA	NA
New Pond created	NA	NA	NA	NA	NA
Pond Renovation	NA	NA	NA	NA	NA
Canal	NA	NA	NA	NA	NA
Checkdam	NA	NA	NA	NA	NA
5% model	NA	NA	NA	NA	NA
Pyne	NA	NA	NA	NA	NA

Well	NA	NA	NA	NA	NA
Inlet Channel	NA	NA	NA	NA	NA
Desilting drainage channel	NA	NA	NA	NA	NA
Bora bandh (Temporary check dam)	NA	NA	NA	NA	NA
Repaired well	NA	NA	NA	NA	NA
Jalkund	NA	NA	NA	NA	NA
Small ditches for jute retting	NA	NA	NA	NA	NA
Landshaping and rain water harvesting structure	NA	NA	NA	NA	NA
Total					

Module II: Crop Production

Table. Performance of different drought tolerant varieties

Technology demonstrated Crops with varieties	No. of farmers	Area (ha)	Yield(q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
1.Stress tolerant rice cv. Swarna Shreya	50	20	42	38	10.5	43000	42680	1.99
2.Biofortified rice CR Dhan 315	30	5	41.1	38.7	6.2	42300	41544	1.98
3. Biofortified rice CR Dhan 311	30	10	41.1	38.7	6.2	43000	40844	1.94
4.Heat tolerant Cabbage cv. Pusa cabbage	20	0.25	197	156	26.2		197000	
More if any								
Total								



Table. Performance of different salt tolerant paddy varieties

Technology demonstrated (Crops with varieties)	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Crop 1	NA	NA	NA	NA	NA	NA	NA	NA
Crop 2	NA	NA	NA	NA	NA	NA	NA	NA
Crop 3	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Enclosed 2/3 photos

Table. Performance of different flood tolerant varieties

Technology demonstrated (Crops with varieties)	No. of farmers	Area (ha)	Yield		% increase	Economics of demonstration (Rs./ha)		
			(q/ha)			Gross Cost	Net Return	BCR
			Demo	Local				
Crop 1	NA	NA	NA	NA	NA	NA	NA	NA
Crop 2	NA	NA	NA	NA	NA	NA	NA	NA
Crop 3	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Mention the variety and Enclosed 2/3 photos

Table. Performance of advancement of planting dates in different crops

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Crop 1	NA	NA	NA	NA	NA	NA	NA	NA
Crop 2	NA	NA	NA	NA	NA	NA	NA	NA
Crop 3	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Mention the variety and Enclosed 2/3 photos

Table. Performances of water saving technologies

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Water saving technology through SRI	NA	NA	NA	NA	NA	NA	NA	NA
Aerobic Rice	NA	NA	NA	NA	NA	NA	NA	NA
Direct seeded brown manured rice	NA	NA	NA	NA	NA	NA	NA	NA
DSR	NA	NA	NA	NA	NA	NA	NA	NA
Sowing of rice/ wheat / Maize with ZTD machine	NA	NA	NA	NA	NA	NA	NA	NA
Others if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Mention the variety and Enclosed 2/3 photos

Performance of Community nurseries

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Crop 1	NA	NA	NA	NA	NA	NA	NA	NA
Crop 2	NA	NA	NA	NA	NA	NA	NA	NA
Crop 3	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Mention the variety and Enclosed 2/3 photos

Table. Performance of different location specific intercropping systems

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Crop 1 + Crop 2	NA	NA	NA	NA	NA	NA	NA	NA
Crop 3 + Crop 4	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA

Total								
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Mention the variety and Enclosed 2/3 photos

Table. Performance of different crop diversification in NICRA villages

Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Sweet corn hybrid NSCH 12	12	2	131	72	81.94	89300	107200	2.20
Okra variety Pusa bhindi 5	10	2	Ongoing					
Bottle gourd variety Pusa Naveen	12	2						
Total								



Module III : Livestocks and Fisheries

Table. Performance of different fodder demonstration in community lands

Technology demonstrated	No. of farmers	Unit/ Area (ha)	Output (q/ha)		% increase	Economics of demonstration (Rs/ha)			
			Demo	Local			Gross Cost	Net Return	BCR
Hybrid napier	4	0.5	More numbers of farmers to be motivated						
Total									

Mention the variety and Enclosed 2/3 photos

Table. Performance of improved fodder

Technology demonstrated	No. of farmers	Unit/ Area (ha)	Yield (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local			Gross Cost	Net Return
Annual and perennial fodder cultivation	4	0.5	More numbers of farmers to be motivated					
Total								

Mention the variety and Enclosed 2/3 photos

Table. Performance of composite and cat fish in the renovated ponds

Technology demonstrated	No. of farmers	Unit/ No. / Area (ha)	Measurable indicators of output* (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
Cat Fish 1	NA	NA	NA	NA	NA	NA	NA	NA
Cat Fish 2	NA	NA	NA	NA	NA	NA	NA	NA
More if any	NA	NA	NA	NA	NA	NA	NA	NA
Total								

Enclosed 2/3 photo

Table. Performance of livestock demonstration in NICRA adopted villages

Technology demonstrated	No. of farmers	Unit/ No. / Area (ha)	Measurable indicators of output* (q/ha)		% increase	Economics of demonstration (Rs./ha)		
			Demo	Local		Gross Cost	Net Return	BCR
1.Rearing of improved poultry birds in backyard system	60	1200	Result Awaited					
2.Demonstration on Azolla cultivation using polythene bag for feeding of poultry reared in backyard	27	27	Result Awaited					
3.Demonstration on feeding of mineral mixture and bypass fat in dairy cows to increase milk production and specific gravity of milk	12	16 (COW S)	27 % increase in milk production					
Total								



Table. Performance of improved shelters for poultry and dairy animals

Technology demonstrated	No. of farmers	Unit/ No. / Area (ha)	Measurable indicators of output (q/ha)		% increase	Economics of demonstration (Rs./ha)			
			Demo	Local		Gross Cost	Gross Return	Net Return	BCR
Shelter 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Shelter 2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Others if any	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total									

Enclosed 2/3 photo

Module III: Institutional Intervention**Table. Details of the various institutional interventions**

Interventions	No. of KVKs	Details of activity			No. of farmers	Unit/ No. /Area (ha)
		Name of crops / Commodity groups / Implements	Quantity(q) / Number / Rent / Charges	Technology used in seed / fodder bank & function of groups		
Producer Group formation	1	MAA SHAKTI	1	NA	51	1
Vermicompost production	1	-	1	Vermi Composting" through ring method	20	20
Custom hiring centre	1	-	20	-		1
Agarbati Preparation	1	-	1	-	51	1
Community fodder bank	1	-	1	-	30	1
Azolla demonstration	1	-	1	Azolla cultivation using polythene bag	27	27
Total						

Village Climate Risk Management Committee (VCRMC)

VCRMC is a Committee under NICRA consisting 9 members and always lead to manage NICRA activities going on. Revenue collected from custom hiring centre credited to VCRMC account which is useful for repairing of agri equipments and purchase of new in future for farmers benefits.

Custom Hiring Centres:

Detail activities of CHC with fund generation during the year with Photographs of Farm implements and Machinery at NICRA Adopted villages

Table. Revenue generated through Custom hiring Centres and VCRMC in KVKs

Name of KVK	Revenue generated (Rs.)	
	From Custom Hiring Centres (2022-23)	Total under VCRMC
Bolangir	9000	9000
Total	9000	9000

Capacity Building

Thematic area	Topic of the training	No. of Courses	No. of beneficiaries		
			Male	Female	Total
Natural Resource Management	Preparation and use of organic inputs	1	20	-	20
Crop Management	Successful IFS models for 1ha	1	20	-	20
Nutrient Management	NA	NA	NA	NA	NA
Integrated Crop Management	NA	NA	NA	NA	NA
Crop Diversification					
Pest and disease management					
	NA	NA	NA	NA	NA
Nursery raising	Nursery management	1	7	13	20
Employment Generation	NA	NA	NA	NA	NA
Nutrition garden	NA	NA	NA	NA	NA
Repair & Maintenance of farm	Agro service training	4	5	-	5

machinery & Implements					
Integrated Farming System	NA	NA	NA	NA	NA
Livestock and Fishery Management	Poultry rearing in backyard system	1	20	-	20
	Feeding and pond management in composite crop culture	1	20	-	20
Fodder and feed management	NA	NA	NA	NA	NA
Lac cultivation	NA	NA	NA	NA	NA
Farm implements and machineries	NA	NA	NA	NA	NA
Value addition	NA	NA	NA	NA	NA
Employment generation	NA	NA	NA	NA	NA
Others if any					



Extension Activities

Name of the activity	Number of Programmes	No. of beneficiaries		
		Male	Female	Total
Agro advisory Services	4	5	-	5
Awareness	NA	NA	NA	NA
Diagnostic visit	NA	NA	NA	NA
Exposure visits	NA	NA	NA	NA
Field Day on swarna shreya	1	30	-	30
Field Day on CR DHAN 311	1	30	-	30
Field Day on CR DHAN 315	1	30	-	30
Producer Group Formation	1	6	45	51
Field day on Sweet corn hybrid NSCH 12	1	30	-	30

Jal shakti Avijan - Awareness for judicious use of water	2	50	-	50
Farmers day	1	50	10	60
SHG	1	-	50	50
Campaign				
climate resilient varieties, technologies & practices	1	40	12	52
Animal Health Camp- Vaccination to animals	1	27	-	27
De worming to animals	1	24	-	24
World earth day	NA	NA	NA	NA
Krishak Chaupal	NA	NA	NA	NA
Kishan Gosthi	NA	NA	NA	NA
Woman health and nutrition	NA	NA	NA	NA
Technology week	NA	NA	NA	NA
NICRA Workshop at ATARI, Kolkata	NA	NA	NA	NA
Scientist visit to field	NA	NA	NA	NA
Others if any	NA	NA	NA	NA
Total				



Table- SHC card distribution at NICRA adopted villages

KVK	Year	No of soil samples collected	No. of samples analysed	SHC issued	No of Farmers involved
Bolangir	2022-23	10	10	50	50

Enclosed 2/3 Photographs

Table: Convergence of Ongoing Development Programmes/Schemes in NICRA implementing KVKs

Enclosed 2/3 Photographs

KVK	Development Scheme /Programme	Nature of work	Amount (Rs.)	Dignitariesvisited Villages during 2018-19	NICRA
Name of KVK		Name of VIPs/Experts			Date of visit

Enclosed 2/3 Photographs

- Success stories of NICRA Village Farmers with photographs
- Newspaper coverage
- Publication

Expenditure Statement of NICRA-TDC Budget during 2022-23

KVK	FINAL RE				Expenditure	Closing Balance 01.04.20
	Contingencies	TA	NRC	Total		
Bolangir	762100	25000	115000	902100	902100	0

