

ICAR – Central Research Institute for Dryland Agriculture
Santoshnagar, Hyderabad – 500059
Technology Demonstration Component of NICRA

Summary of interventions taken up in NICRA villages in 2021-22 (Annual Report of TDC)

Village:Chopara,Lepa,Nada,Chikili KVK and District:Ganjam-I/Ganjam State:Odisha

Information about the NICRA villages and the focus of activities in these villages

Details of Villages	Village 1 (-----)	Village 2 (-----)	Village3 (-----)	Village4 (-----)	Village5 (-----)
Name	Chopara	Lepa	Chikili	Nada	
Year adopted in NICRA	2011	2017	2017	2018	
Nature of activity*	intervention	Scaling up	Scaling up	Scaling up	

*Taking up of interventions or Scaling up or hand holding

Summary of Interventions taken up during 2021

Villages	FST1(Rainfed-crop without animal)	FST2(Rainfed-crop with animal)	FST3(Irrigated-crop without animal)	FST4(Irrigated - crop with animal)
	No. of farmers involved in demonstrations	No. of farmers involved in demonstrations	No. of farmers involved in demonstrations	No. of farmers involved in demonstrations
Village 1	13	08	13	07
Village 2	15	06	06	05
Village 3	14	12	08	06
Village 4	22	08	07	04
Village 5				
Total	64	34	34	22

Natural Resource Management Interventions taken up in farming system typologies during the year 2021-22 (in all the villages)

Resilient practice	No. of Demonstrations/ Interventions	Farmers covered	Area covered (ha)
Raising of farm bund ht. to 10 inch	18	18	04
Renovation of open well	03	03	0.3
Summer ploughing	14	14	04
Renovation of farm pond	01	08	02
Green manuring	09	09	03
Poly mulching in Tomato	07	07	0.5
Drip irrigation	02	02	0.2
Maize in Ridge furrow system	08	08	02

Add rows if necessary

Crop Production Interventions taken up in farming system typologies during the year 2021-22 (in all the villages)

Resilient practice	No. of Demonstrations/ Interventions	Farmers covered	Area covered (ha)
Drought tolerant paddy (var. <i>Sahbhagi dhan</i>)	28	28	10
Drought tolerant paddy (var. –MTU-1156)	23	23	08
Drought tolerant pigeon pea –PRG-176	15	15	05
Advancement of planting- Rice-Greengram (Swarna sub-1-&IPM 02-14)	32	32	12
YMV tolerant short duration Greengram var. IPM 02-14	50	50	20
Wilt tolerant Tomato var. Arka Rakshyak	07	07	0.7
Short duration Blackgram var.-PU-31	40	40	14
Crop diversification from Maize to Sweet corn in Rabi season	10	10	1.4

Add rows if necessary

Livestock and Fisheries Interventions taken up in farming system typologies during the year 2021-22(in all the villages)

Resilient practice	No. of Demonstrations / Interventions	Farmers covered	No. of animals covered	Area covered (ha)
Composite fish culture by stocking of yearlings of Catla, Rohu and Mrigal with floating fish feed	04	04		1.2
Poultry-Kadakhnath	12	12	500 birds	
Hybrid Napier-Co-4	12	12		03
Improved cattle shed with concrete flooring, Straw thatched, Mosquito net	22	22	56	
Mineral mixture feeding to cattle	20	20	40	

Add rows if necessary

Institutional Interventions taken up during the year 2021-22

Custom hiring center	Amount mobilised	Farmers covered	Area covered (ha)
Implements on hiring basis	10400	118	36ha.

Add rows if necessary

Institutional Interventions taken up during the year 2021-22

Seed systems	Seed produced (tons)	Farmers covered	Area covered (ha)
Rice seed-Sahabghidhan	2.4	106	48

Add rows if necessary

Institutional Interventions taken up during the year 2021-22

Fodder systems	Fodder produced (tons)	Farmers covered	Area covered (ha)
Hybrid napier, Co-4	4	14	01

Add rows if necessary

Capacity Building (HRD) taken up during the year 2021-22

Theme	No. of training programmes	Number of beneficiaries		
		Male	Female	Total
Vermicomposting from farm waste	1	19	06	25
Crop diversification from Maize to Sweetcorn	1	20	05	25
IPM in Rice	1	17	08	25
IPM in Greengram	1	21	04	25
Management of Nursey& production of quality planting material	1	17	08	25
Value addition of Tomato by Sauce preparation	1	-	25	25

Add rows if necessary

Other extension activities being taken up during the year 2021-22

Name of program	Participants
Agro advisory Services	124
Awareness	61
Diagnostic visit	114
Exposure visits	54
Field Day	140

Group Discussion	194
Method demonstrations	122
KMAS Services	144
Animal Health camp	86

Add rows if necessary

Summary of Upscaling of technologies takenup during the year 2021 (For the continuing KVKs)

Village name	Technology scaling up/out	No. of farmers reached	Convergence with the programme	Approx. amount mobilised from department (lakhs)
Chopara	Check dam construction	72	MGNREGS	5.2
Chikili	Crop diversification from Rice to Maize	25	NFSM	0.6
Lepa, Chikili, Nada, Chopara	Stress tolerant var.of Pigeonpea, Greengram, Blackgram-Minikit	32	NFSM	0.8
Lepa, Chikili, Nada, Chopara	Animal health camp	86	Veterinary dept.	0.4

Revenue generated through the custom hiring centre during the year 2021-22

Name of Implement	Revenue (Rs.)
M.B. plough	500
Power sprayer	900
Diesel Pump set	800
Sprinkler	600
Power tiller	4400
Seed cum fertilizer drill	400
Reaper	2000
Thresher cum winnower	800
	10400

Add rows if necessary

Extreme events, high intensity rains and dry spells observed during 2021-22

Nature of event	Date	Impact on crop yield
Dry spell	15.06.2021 to 30.06.2021	No impact as sowing delayed by 02 weeks

Add rows if necessary

Distinguished visitors during the year 2021-22 with photos

Name of visitors	Date	Remarks
Dr. Sumanta Kumar Kundu, Senior Scientist, CRIDA, Hyderabad	11.11.2021	Demonstration in farming system typologies

Add rows if necessary

Significant achievements during the year 2021-22 with good photographs (with JPEG Photographs)

Description	No. of farmers covered	Impact
Field day on Short duration Drought tolerant Rice var. Sahabhagidhan	40	Farmers appreciated the var. & collected seed from the village
Field day on Short duration Drought tolerant Rice var. MTU-1156	32	Farmers appreciated the var. for medium land condition

Add rows if necessary

Publications from the project

Description (nature of publication)	Citation
Odia booklet	Paribartita jalabayure Dhana Chasa.
Odia booklet	Paribartita jalabayure Muga Chasa
Odia booklet	Paribartita jalabayure Harada Chasa

Sd/-
Senior Scientist & Head
KVK, Ganjam-I