

Annual Zonal Workshop of ATARI-Zone IV KVKs – 2024

Annual Report (Jan-Dec 2023)

Presented At

BAU, Sabour, Bhagalpur, Bihar (29-31th August 2024)



Krishi Vigyan Kendra Gumla

Vikas Bharti Bishunpur

-: Presented By :-

Sanjay Kumar

Senior Scientist & Head

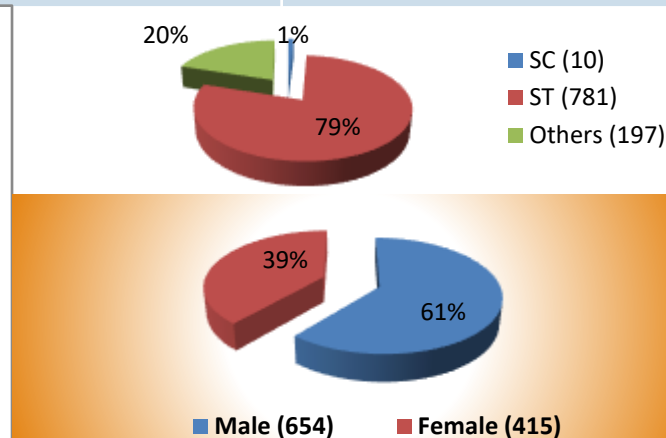
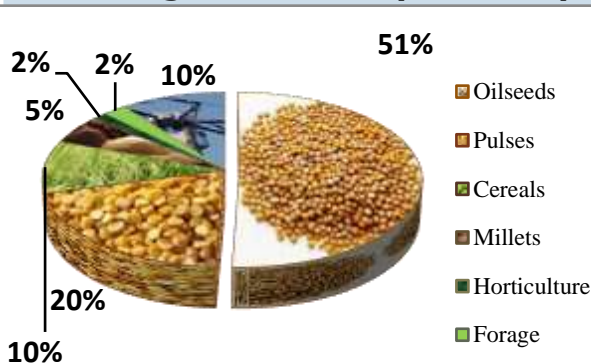
Achievements in Mandated Activities

✓ Training

Category	No. of courses (Tar)	No. of courses (Ach)	No. of participants
Practicing farmers	89	171	4223
Rural Youth + Vocational	35	34	689
Extension Functionaries	19	03	178
Total	143	208	5090

Production

Seed production (q)	85.00
Planting material (in Lakh)	1.99



✓ OFT

Target	Achievement	No. of locations
16	16	38

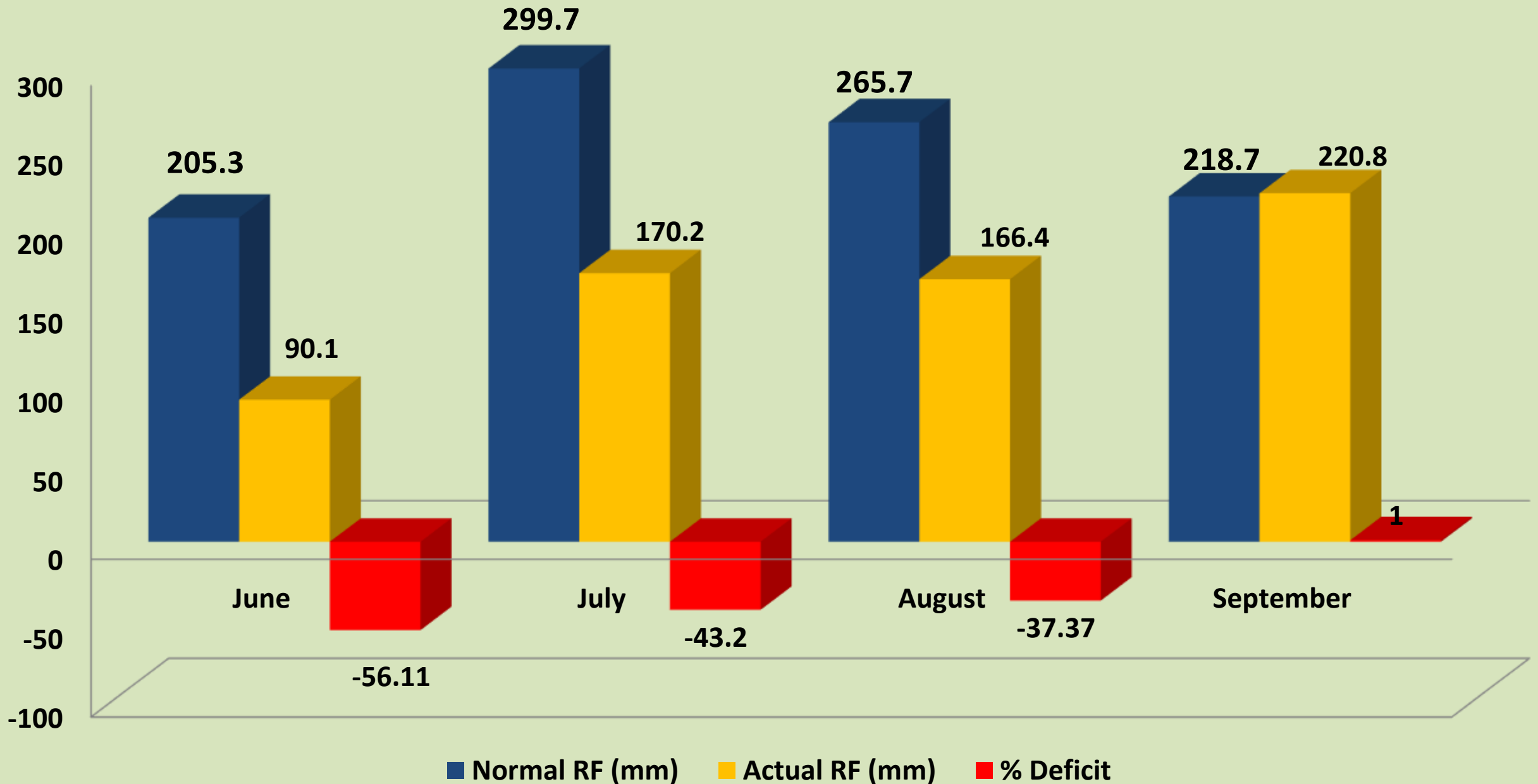
✓ FLD

Category	No. of Demons.		Area (ha)
	Tar.	Achi.	
Cereals	59	40	16.0
Millets	48	63	25.0
CFLD Oilseeds	288	288	115
CFLD Pulses	250	250	100
Vegetables	5	2	0.82
Total	650	643	256.82

FLD (other than Crop)

Poultry (unit)	03 no.	03 no	03 no
Fisheries (unit)	10 no.	09 no	09 no
Drone tech.	750	738	294.28 ha
Natural farming	20	20	08 ha
DRMR	100	100	40 ha
AICRP	40	40	16 ha
Others	43	41	6.3 ha 25 no
Total	966	951	364.58 ha & 37 no

Trend of Rainfall in Kharif 2023



On Farm Trial

OFT Title : Assessment of Nano urea on the yield of transplanted rice.

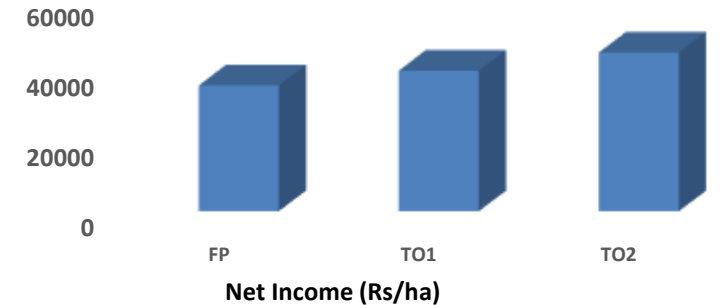
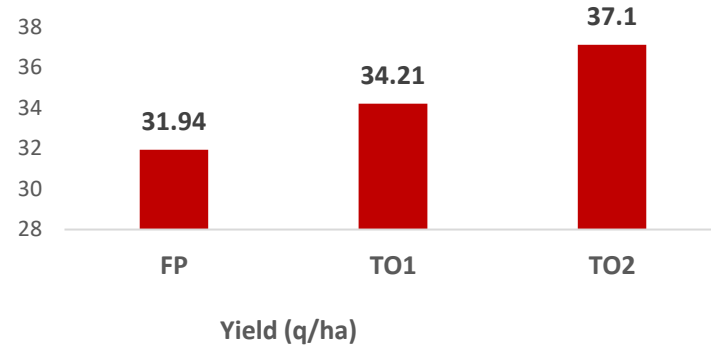
Problem diagnosed Excessive use of chemical fertilizers and spiraling price of urea leads to increase in cost of cultivation

Year of start 2023-24 **Source :** BAU, Sabour/Ranchi **Replication** 10

Technology option

- FP :** RDF (100:40:20)kg/ha
- TO₁ :** 50% of RDN & 100% PK + Nano urea @ 4 ml/Lt. water (Single spray of pre flowering stage)
- TO₂ :** 50% of RDN & 100% PK + 2 sprays of Nano urea at (25 to 30 days) and (60-65 days) 4 ml/Lt. water

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	31.94	35856	2.04
TO ₁ :	34.31	40074	2.13
TO ₂ :	37.10	45235	2.24

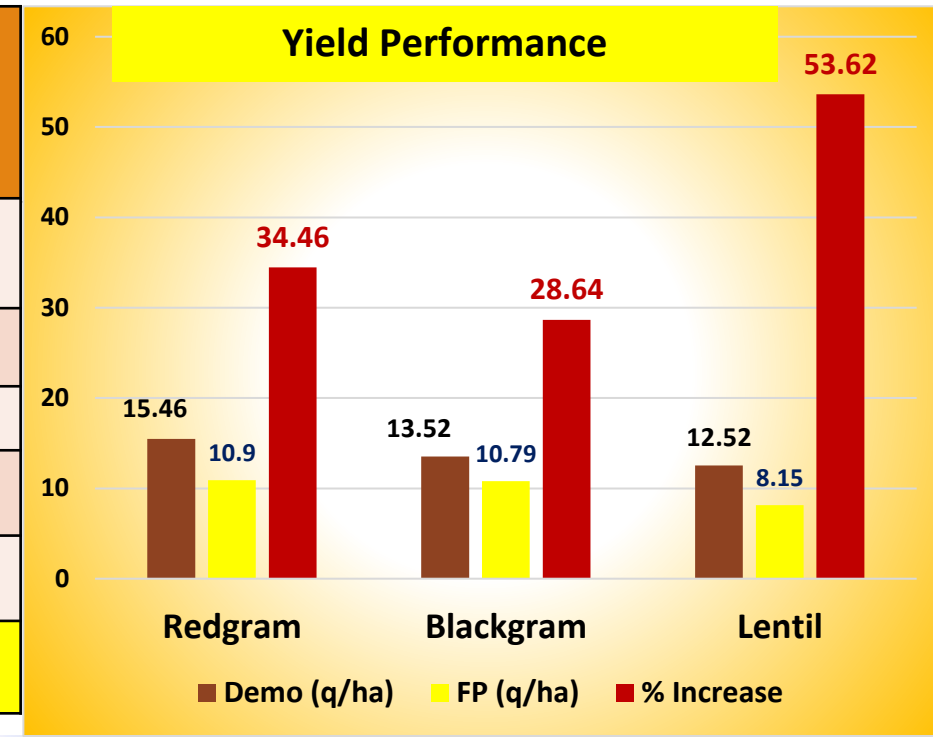


Result :- Among three treatments, Technology Option-2 yielded maximum yield (37.10 q/ha) Net return (Rs. 45235 Rs./ha) and B:C ratio (2.24)



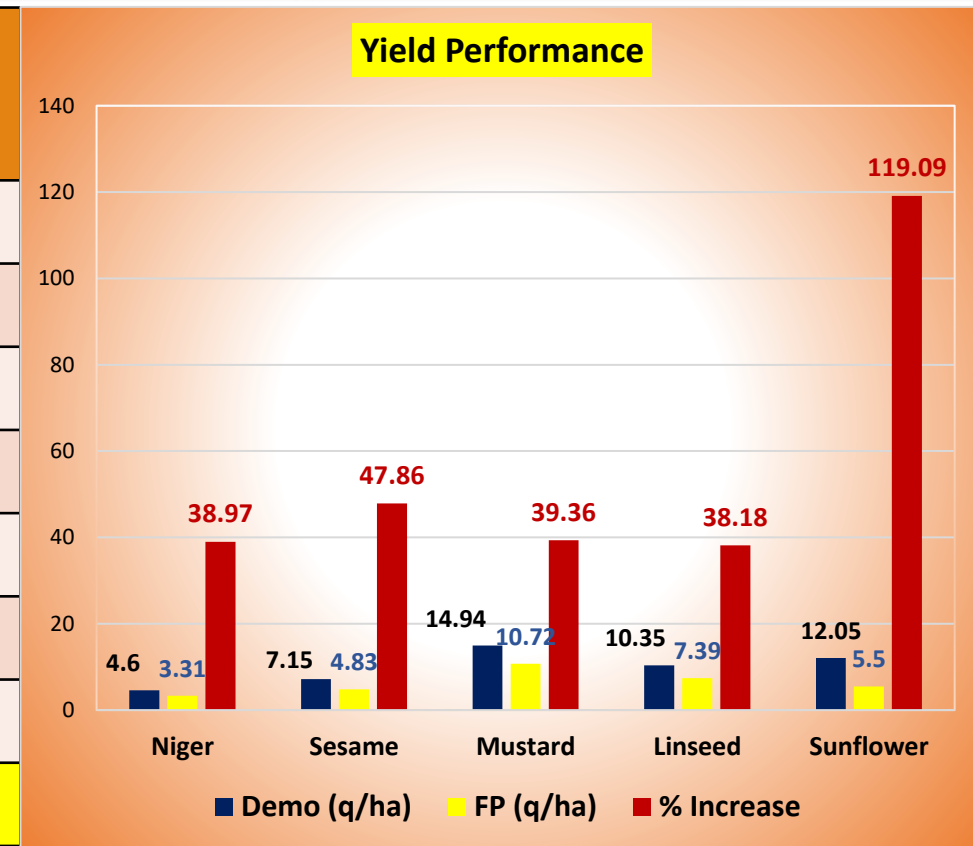
Achievements under CFLDs Pulses (2023-24)

Crop	Variety with Technology	Target		Achievement		B:C ratio
		Area (ha)	No. of Demo.	Area (ha)	No. of Demo.	
Redgram	Rajeev Lochan with ICM	50	125	50	125	2.69
	IPA-203 with ICM					2.97
	Component					2.64
Blackgram	PU-31 with ICM	30	50	20	50	2.37
Lentil	IPL-220 with ICM	20	50	20	50	1.99
Total		90	225	90	225	



Achievements under CFLDs Oilseeds(2023-24)

Crop	Variety with Technology	Target		Achievement		B:C ratio
		Area (ha)	No. of Demo.	Area (ha)	No. of Demo.	
Niger	BN-1	30	75	30	75	1.67
Sesame	GJT-5	20	50	20	50	2.37
	Kanke Safed					2.24
Mustard	PM-30	30	75	30	75	2.31
Linseed	Priyam	10	25	10	25	2.14
	Birsa Tisi-2					2.00
Sunflower	LSFH-171	20	50	20	50	2.51
Total		110	275	110	275	



SAC Meeting, Major Extension Activity & Special Programme

Programme	No. of Programme	No. of Participant
Field Day	24	484
Kisan Gosthi	18	832
Kisan Mela	03	6964
Other Activity	531	13466
Viksit Bharat Sankalp Yatra (159 Panchayats)	90	79400



Inauguration of District Level Kisan Mela by Hon'ble Union Minister of Agriculture & Farmer Welfare (3rd March 2023)



16th SAC Meeting (22nd Dec 2023)



Shri Sunil Barnwal, (IAS), Joint Secretary, MHA, Govt. of India, Nodal Officer, VBSY, Jharkhand

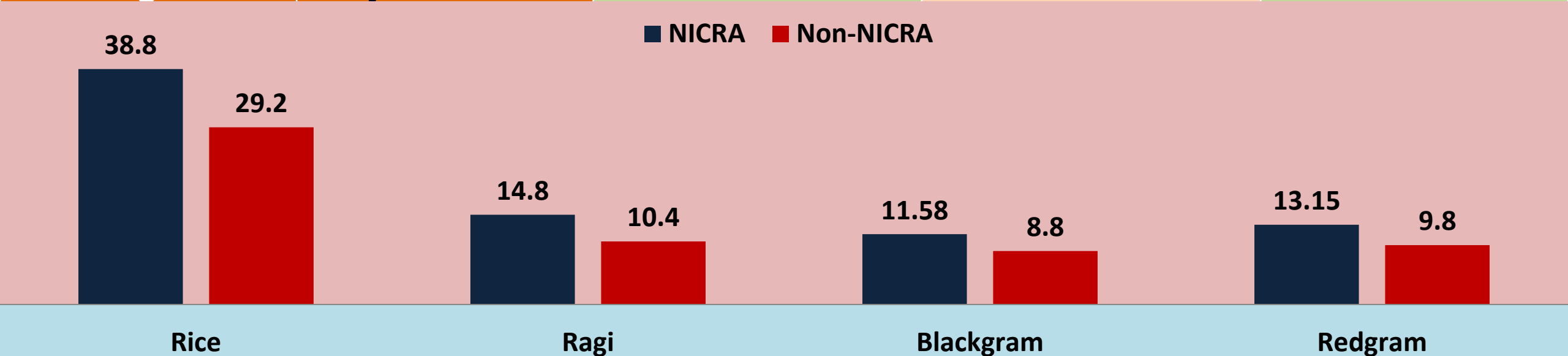


Awareness Programme under International Year of Millets

Comparative evaluation of NiCRA and non NiCRA farmers

Village 1 (Shivrajpur)

Crop	Resilient Variety	(FST-2) Rainfed with Animal		
		Productivity (q / ha)		
		NiCRA farmers	Non-NiCRA farmers	% yield increased
Rice	Sahbhagi Dhan	38.8	29.2	32.8
Ragi	BM-3	14.8	10.4	42.3
Blackgram	PU-31	11.58	8.8	31.5
Redgram	Rajeev Lochan	13.15	9.8	25.4





Finger Millet Variety – BM-3



Rice Variety – Swarna Shreya



Maize- Var.- DMRH-1308

Groundnut Variety TG-51



Blackgram variety- PU-31



Wheat Var. Sabour Nirjal



Redgram Var. Rajeev Lochan



Wheat Var. HD 187



Mustard Var. PM-30



शिवराजपुर, झारखंड, भारत
नाम-रहित सड़क, शिवराजपुर, झारखंड 835208, भारत
Lat 23.190646°
Long 84.509278°
23/01/23 04:12 PM GMT +05:30

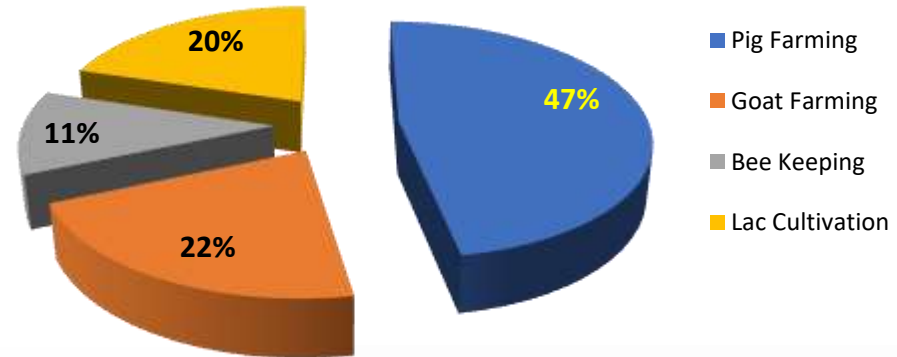


Achievement: ARYA

Enterprises	Entrepreneurial training (no.)	Participants (no.)	Group formed	Units established	Operational units since 2016-17	Av. Income generated (Rs. In lakh)
Pig Farming	03	75	02	07	99	3.85
Goat Farming	03	61	03	12	140	1.74
Lac Cultivation	03	52	04	16	167	1.65
Bee Keeping	01	22	01	03	96	0.92



BEST PERFORMING ENTERPRISE



DEMONSTRATION OF AGRICULTURE DRONE ON PADDY



Village	Details of Demonstration		
	Area (ha)	No. of Farmers	No. of Demo
Shivrajpur	12	18	30
Nawatoli	20	23	50
Belagara	24.5	33	61
Burhu	8.7	11	22
Gunia	7.6	14	19
TOTAL	72.8	99	182



Labour saving		Time Saving		Water Saving	
(For 2 spray)					
Manual (per ha)	Drone (per ha)	Labour (hr/ha)	Drone (hr/ha)	Manual (lit/ha)	Drone (lit/ha)
5	2	40	1.0	500	25

Natural Farming (FLDs -2023-24)

Name of Crop	Target		Achievement		Yield (q/ha)		% increase	B:C ratio
	Area (ha)	No. of Demo.	Area (ha)	No. of Demo.	Demo.	F. P.		
Wheat + Chickpea	0.8	02	0.8	02	26.08	33.0	(-) 20.97	1.60
Potato	2.0	05	2.0	05	113	134.0	(-) 15.67	2.24
Onion	1.2	03	1.2	03	101	127.0	(-) 20.47	3.23
Pea	0.8	02	0.8	02	74.65	82.5	(-) 9.51	3.54
Total	4.8	12	4.8	12				
Training	03	60	07	280				
Awareness	12	365	71	3256				



Thank You

Farming for a Better World