

CLUSTER FRONTLINE DEMONSTRATION OF KHARIF/ RABI/ SUMMER PULSES (2022-23) PERFORMANCE DATA REPORTING

FORMAT KVK WISE

1. Name of KVK: KVK, Kendrapara
2. Host Institution: OUAT, Bhubaneswar
5. District: Kendrapara
7. Performance of the demonstration:

2. Year of establishment: 1994
4. Address: Jajanga, Kapaleswar, Kendrapara
6. State: Odisha

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Blackgram	Local Blackgram	4.6	-	-	290	Improved management practices of Blackgram Variety PU-31(C) @ 20 kg/ha, Soil test-based fertilizer application, seed Inoculation with 20gm Rhizobium / kg of seed, Line sowing and need based plant protection measures.	25	10	6.4	5.3	5.85	-	-	43.10

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Improved management practices of Blackgram Variety PU-31(C) IPM 02-3(F) @ 20 kg/ha, Soil test-based fertilizer application, seed Inoculation with 20gm Rhizobium / kg of seed, Line sowing and need based plant protection measures.	21000	32200	11200	1.53	23500	40950	17450	1.74

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/ household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Improved management practices of Blackgram Variety PU-31(C) @ 20 kg/ha, Soil test-based fertilizer application, seed Inoculation with 20 gm Rhizobium / kg of seed, Line sowing and need based plant protection measures.	585	250	7000	40	330	For day today need	6

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/ village	Suggestions, for change/ improvement, if any
1	Improved management practices of Blackgram Variety PU-31(C) @ 20 kg/ha, Soil test-based fertilizer application, seed Inoculation with 20 gm Rhizobium / kg of seed, Line sowing and need based plant protection measures.	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety PU-31(C) 70-72 days duration. INM & IPM	Improved management practices of Blackgram with variety PU-31(C) enhance the avg. yield 5.85 Q/ha during Rabi 2022-23.	Resistant to YMV, large seed, Improved management practices of Blackgram with variety PU-31(C) enhance the yield 27 % over farmer practices.	Farmers are satisfied with the variety and technology.

F. Extension activities under FLD conducted till dates:

SI. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day	27.03.2023 at Balia	50

8. Sequential good quality photographs (as per crop stages i.e. growth & development)



9. Farmers' training photographs



11. Details of budget utilization

Crop	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input	81000	81000	Nil
	ii) TA/ DA/ POL etc. for monitoring	4000	4000	Nil
	iii) Extension Activities (Field Day)	3750	3750	Nil
	iv) Miscellaneous	1250	1250	Nil
	Total	90000	90000	Nil

- In case of publication of literature please provide the soft copy along with yield report.

12. List of Farmer under FLD (Crop wise)

a) Crop1

Name of farmer	Father's name	Village	Block	Mobile No.	Aadhar No	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used	Demo. Yield (q/ha)	Yield of local check q/ha	% increase
						Latitude	Longitude									
Sukanta Parida	Nityananda parida	Balia, Kuhudi	Marshghai	9337216306	321132295233	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	Improved management practices of Blackgram Variety PU-31(C) @ 20 kg/ha, Soil test based fertilizer application, seed Inoculation with 20 gm Rhizobium / kg of seed, Line sowing and need based plant protection measures	PU 31	0.4	8 Kg	5.8	4.6	26.09
Nibash parida	Prafulla Parida	Balia, Kuhudi	Marshghai	7735223828	371476225767	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.6	4.6	21.74
Niranjana Nayak	Krushna Chandar Nayak	Balia, Kuhudi	Marshghai	7326056501	501424433222	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.8	4.6	26.09
Sarat Kumar Mohanty	Duryodhan Mohanty	Balia, Kuhudi	Marshghai	9348286790	259872128893	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.4	4.6	17.39
Saroj Mohanty	Nakula Mohanty	Balia, Kuhudi	Marshghai	7606955664	521241857050	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.3	4.6	15.22
Pramod Mantri	Nityandanda Mantri	Balia, Kuhudi	Marshghai	8895248875	576967436451	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.7	4.6	23.91
Trilochan Mantri	Nityananda Mantri	Balia, Kuhudi	Marshghai	7025204039	743862517346	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.6	4.6	21.74
Gadadhar Mohanty	Brahmananda Mohanty	Balia, Kuhudi	Marshghai	8596865668	326619792273	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.9	4.6	28.26
Sameer Kumar Mohanty	Kangali Mohanty	Balia, Kuhudi	Marshghai	9178199645	634622131404	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.2	4.6	34.78
Bijaya Nayak	Sunakar Nayak	Balia, Kuhudi	Marshghai	8480826863	282291763108	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.3	4.6	15.22
Raghunath Mohanty	Dadhi Mohanty	Balia, Kuhudi	Marshghai	9337798234	732534532414	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.4	4.6	39.13
Sukadev Jena	Shyama Jena	Balia, Kuhudi	Marshghai	8658895659	330923931429	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.1	4.6	32.61
Nabaghana Mohanty	Akuli Mohanty	Balia, Kuhudi	Marshghai	848089560	698690637149	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.3	4.6	36.96

Duryodhan Mantri	Nityananda Mantri	Balia, Kuhudi	Marshghai	8480826869	563767215430	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.7	4.6	23.91
Ajaya Mohanty	Bhagabat Mohanty	Balia, Kuhudi	Marshghai	8917439486	670030760915	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.3	4.6	15.22
Nirana Mohanty	Sridhar Mohanty	Balia, Kuhudi	Marshghai	8249641220	354127227090	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.9	4.6	28.26
Antaryami nayak	Rabindra Nayak	Balia, Kuhudi	Marshghai	7381700669	698349460409	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.0	4.6	30.43
Gobardhan Mohanty	Akuli Mohanty	Balia, Kuhudi	Marshghai	9348253195	288977540870	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.4	4.6	39.13
Dillip Nayak	Bulu Nayak	Balia, Kuhudi	Marshghai	8658904352	774962493490	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.4	4.6	17.39
Tirthananda Nayak	Krushnachandra Nayak	Balia, Kuhudi	Marshghai	7327079467	313112672587	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.6	4.6	21.74
Sanjay Kumar Nayak	Khirood Kumar Nayak	Balia, Kuhudi	Marshghai	8480448071	796471070580	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.8	4.6	26.09
Harekrushna Das	Bharat Das	Balia, Kuhudi	Marshghai	6370569121	547509317726	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.9	4.6	28.26
Kailash Sahoo	Nagamani Sahoo	Balia, Kuhudi	Marshghai	7077408424	370949566030	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.3	4.6	15.22
Jiban Kumar Nayak	Padma Charan Nayak	Balia, Kuhudi	Marshghai	7735787625	694899386709	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	6.4	4.6	39.13
Krushna Chandra Nayak	Bulei Nayak	Balia, Kuhudi	Marshghai	8480926829	755312817687	20.466801	86.516552	Yes	20:40:40 kg/ha N:P2O5: K2O	do	PU 31	0.4	8 Kg	5.4	4.6	17.39

Sd/-

Signature of Head of Organization

Sd/-

Signature of Programme Co-Ordinator