CLUSTER FRONTLINE DEMONSTRATION OF RABI OILSEEDS (GROUNDNUT)(2022-23) PERFORMANCE DATA

REPORTING FORMAT KVK WISE

1. **Name of KVK:** **Jagatsinghpur** **2. Year of establishment:** **2005**
2. **Host Institution:** **Odisha University of Agriculture and Technology** **4. Address:** **At/Po.**
5. **District:** **Jagatsinghpur** **6. State:** **Odisha**
7. **Performance of the demonstration: Groundnut**

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	Groundnut	AK-12-24	16.40	276	296	860	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf eating caterpillars and spraying of need based pesticides. (profenophos + cypermethrin)	25	10	24.2	18.8	21.4	11.69	10.53	-14.4

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	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf eating caterpillars and spraying of need based pesticides. (profenophos + cypermethrin)	46480	82400	51920	1.77	50800	107000	56200	2.10

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	Groundnut (Amravati)	20960	748.4	50	1500	750	Domestic Expenditure,Social rights,Land Devlopment	80

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.	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf eating caterpillars and spraying of need based pesticides. (profenophos + cypermethrin)	Easily adoptable	Good	Normal	No	Yes	Improved seed availability in time

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Kadiri amaravati (Groundnut variety)	Tolerant to early and late leaf spot, drought, sucking pest(thrips and jassids) oil content 50%	30.48% increase yield over local check	Medium duration 105-110 days, good yield performance, suitable for Rabi

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training on improved package and practices of Groundnut cultivation	10.01.2023 (kalikuda village of Kujanga block)	25
2.	Field day on Groundnut cultivation	21.03.2023 (kalikuda village of Kujanga block)	30
3.			

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

FRONTLINE DEMONSTRATION
ON
GROUNDNUT CULTIVATION
Season: Rabi 2022-23
Area: 10 ha
No. of Beneficiaries: 25

FRONTLINE DEMONSTRATION
ON
GROUNDNUT CULTIVATION
Season: Rabi 2022-23
Area: 10 ha
No. of Beneficiaries: 25

9. Farmers' training photographs

10. Quality Photographs of field visits/field days and technology demonstrated.

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
GROUNDNUT	i) Critical input		107992	
	ii) TA/DA/POL etc. for monitoring		7200	
	iii) Extension Activities (Field day)etc		3075	
	iv)Publication of literature ,flex, boards &banners.		1733	
	Total	**1,20,000**	**1,20,000**	**Nil**

12. List of Farmer under FLD (Crop wise)

A. GROUNDNUT

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used (kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude							H	L	A		
Sudhakar Guru	Bansidhar Guru	Kalikuda	Kujanga	8480802093		20-31-48.80	86-43-19.24	Yes	DAP 87 kg, Urea 10 kg, MOP 67 kg	Line sowing,seed treatment, sprsying of neem pesticide, installation of blue and yellow sticky trap, application of trichocards and spraying of need based pesticide.	Amaravati	0.4	60	24.2	18.8	21.4	5	30.48
Pradipta Kumar Guru	Bansidhar Guru	Kalikuda	Kujanga	9438600547		20-31-49.05	86-43-15.13	Yes	-do-	-do-	-do-	0.8	120	24.2	18.8	21.4	5	30.48
Kshetrabasi	Baburi	Kalikuda	Kujanga	9827890		20-31-	86-43-	Yes	-do-	-do-	-do-	0.2	30	24	18.8	21.4	5	30.48

Palei	Palei			062		50.08	14.24							.2				
Bishnu Palei	Kulamani Palei	Kalikuda	Kujanga	8984396 915		20-31-49.46	86-43-13.57	Yes	-do-	-do-	-do-	0.6	90	24 .2	18.8	21.4	5	30.48
Subas Das	Kanhu Charan Das	Kalikuda	Kujanga	9078744 877		20-31-49.81	86-43-13.01	Yes	-do-	-do-	-do-	0.8	120	24 .2	18.8	21.4	5	30.48
Pasanna Palai	Nilamani Palai	Kalikuda	Kujanga	6370894 982		20-31-50.05	86-43-12.37	Yes	-do-	-do-	-do-	0.6	90	24 .2	18.8	21.4	5	30.48
Sukanta Das		Kalikuda	Kujanga	9668323 160		20-31-15.31	86-43-09.98	Yes	DAP 86 kg, Urea 11 kg, MOP 66 kg	-do-	-do-	0.6	90	24 .2	18.8	21.4	5	30.48
Anam Das	Banshidhar Das	Kalikuda	Kujanga	9777321 975		20-31-52.76	86-43-07.72	Yes	-do-	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48
Ajay Kumar Das	Bholi Das	Kalikuda	Kujanga	8144167 095		20-31-52.40	86-43-09.17	Yes	-do-	-do-	-do-	0.4	60	24 .2	18.8	21.4	5	30.48
Rajib Das	Dola Das	Kalikuda	Kujanga	8144234 551		20-31-50.35	86-43-06.44	Yes	-do-	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48
Kapil Das	Baban Das	Kalikuda	Kujanga	9776745 900		20-31-50.71	86-43-03.83	Yes	-do-	-do-	-do-	0.4	60	24 .2	18.8	21.4	5	30.48
Khirod Das	Raghunath Das	Kalikuda	Kujanga			20-31-51.47	86-42-9.80	Yes	-do-	-do-	-do-	0.4	60	24 .2	18.8	21.4	5	30.48
Basanta Das	Krushna Das	Kalikuda	Kujanga			20-31-53.48	86-43-01.37	Yes	DAP 87 kg, Urea 10.5 kg, MOP 66 kg	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48
Pravata Das	Kanhu Charan Das	Kalikuda	Kujanga	7749853 417		20-31-50.98	86-43-03.22	Yes	-do-	-do-	-do-	0.4	60	24 .2	18.8	21.4	5	30.48
Dipak Das	Kapil Charan Das	Kalikuda	Kujanga			20-31-53.19	86-42-9.81	Yes	-do-	-do-	-do-	0.8	120	24 .2	18.8	21.4	5	30.48
Manoj Kumar Das	Chhabi Das	Kalikuda	Kujanga	9439357 093		20-31-51.72	86-42-9.79	Yes	-do-	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48
Bhanja Kishore Das	Dola Das	Kalikuda	Kujanga	9556677 992		20-31-55.46	86-42-9.76	Yes	-do-	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48
Brahmananda Das	Dhruba Das	Kalikuda	Kujanga	8598817 740		20-31-15.55	86-42-9.79	Yes	-do-	-do-	-do-	0.6	90	24 .2	18.8	21.4	5	30.48
Manorama Das	Balaram Das	Kalikuda	Kujanga	6371773 122		20-31-54.89	86-42-9.83	Yes	DAP 85 kg, Urea 10 kg, MOP 62 kg	-do-	-do-	0.2	30	24 .2	18.8	21.4	5	30.48

Pabitra Das	Balaram Das	Kalikuda	Kujanga	9692354755		20-31-56.93	86-42-9.66	Yes	-do-	-do-	-do-	0.6	90	24.2	18.8	21.4	5	30.48
Premalata Guru	Musha Das	Kalikuda	Kujanga			20-31-58.12	86-42-9.27	Yes	-do-	-do-	-do-	0.2	30	24.2	18.8	21.4	5	30.48
Nirmala Guru	Niranjan Guru	Kalikuda	Kujanga			20-31-57.77	86-42-9.36	Yes	-do-	-do-	-do-	0.2	30	24.2	18.8	21.4	5	30.48
Ashok Guru	Shiba Guru	Kalikuda	Kujanga			20-31-57.65	86-42-9.47	Yes	-do-	-do-	-do-	0.2	30	24.2	18.8	21.4	5	30.48
Adaita Guru	Dibakar Guru	Kalikuda	Kujanga	8763055647		20-31-58.63	86-42-9.54	Yes	-do-	-do-	-do-	0.2	30	24.2	18.8	21.4	5	30.48
Priya Prasanna Guru	Sarat Chandra Guru	Kalikuda	Kujanga	9827160568		20-31-47.53	86-42-26.81	Yes	-do-	-do-	-do-	0.4	60	24.2	18.8	21.4	5	30.48