CLUSTER FRONTLINE DEMONSTRATION OF RABI OIL SEED (2021-22) PERFORMANCE DATA REPORTING FORMAT KVK WISE

1. **Name of KVK: Jagatsinghpur**
2. **Year of establishment: 2005**
3. **Host Institution: Odisha University of Agriculture & Technology**
4. **Address: At-Nimakana,PO-Manijanga,Via-Tirtol**
5. **District: Jagatsinghpur**
6. **State: Odisha**
7. **Performance of the demonstration:**

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	16.10	306	326	890	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	23.4	18.4	20.6	7.51	6.40	-17.6

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio

			(Rs/ha)						
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)	42800	80500	37700	1:1.88	47120	103000	55880	1:2.18

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, G-6	20992	689.68	50	3000	750	Domestic	78

D. Oilseed 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)	Medium Duration ,Good Yield performance, Suitable for Rabi-Summer , Tolerant of Leaf spot .	Bold Seeded	Farmers can use their own seed in future & adopt the low cost technology like seed treatment & Sowing behind the Plough.	No	Yes	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety (G-6)	Leaf lets are light green , 50% Oil content & average yield of 20.6 q/ha.	27.95 % increase yield over local check	Medium Duration (100-105 days) ,Good Yield performance, Suitable for Rabi-Summer , Tolerant of Leaf spot .

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field Visit	14.02.2022	22
2.	Field Day on Groundnut	23.03.2022 (Anolipatna)	50

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

GROUNDNUT

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 (Rabi 2017-18)	i) Critical input		1,08,000.00	
	ii) TA/DA/POL etc. for monitoring		8080.00	
	iii) Extension Activities (Field day)		2000.00	
	iv) Flex and Banner		720.00	
	Total	1,18,800.00	1,18,800.00	Nil

12. List of Farmer under CFLD (Crop wise)

a) Crop (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	Seed quantity used (Kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Longitude	Latitude						H	L	A		
Braja kishore Swain	Brundban Swain	Anolipatna	Kujang	9668196787	-	86-25-45.12	20-19-6.75	Y	DAP - 87 kg, Urea - 9 kg, MOP - 66 kg	Seed Treatment with carbendazim + mancozeb @2gm / kg seeds	G-6	120	23.4	18.4	20.6	16.1	27.95
Bichitrananda Das	Sudam Das	Anolipatna	Kujang	8763149443		86-25-44.68	20-19-6.24	Y	do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Umesh Chandra Moharana	Kanduri Ch. Moharana	Anolipatna	Kujang	9439257127		86-25-44.39	20-19-7.44	Y	do	do	G-6	90	23.4	18.4	20.6	16.1	27.95
Bibhuti bhusan Das	Karunakar Das	Anolipatna	Kujang	7653862190		86-25-46.53	20-19-9.59	Y	do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Suvendu Sahoo	Basant Kumar Sahoo	Anolipatna	Kujang	8018781834		86-25-47.71	20-19-6.14	Y	do	do	G-6	60	23.4	18.4	20.6	16.1	27.95

Sarat Swain	Srinath Swain	Anolipatna	Kujang	6371976302		86-25-45.30	20-19-5.84	Y	do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Bhagaban Sutar	Fakir Sutar	Anolipatna	Kujang	9668891581		86-25-49.18	20-19-4.90	Y	do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Nrusingcharan Das	Gadadhar Das	Anolipatna	Kujang	8018324111		86-25-45.59	20-19-6.96	Y	do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Samikhya Prasad Behera	Satrughna Behera	Anolipatna	Kujang	6372841977		86-25-54.58	20-19-3.93	Y	do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Hadibandhu Pal	Madhu Pal	Anolipatna	Kujang	9078221154		86-25-45.61	20-19-6.32	Y	DAP - 89 kg, Urea - 10 kg, MOP - 68 kg	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Satyananda Majhi	Nityananda Majhi	Anolipatna	Kujang			86-25-46.24	20-19-7.14	Y	do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Mayadhar Swain	Dadhi Swain	Anolipatna	Kujang			86-25-46.14	20-19-6.62	Y	Do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Debadatta Das	Gadadhar Das	Anolipatna	Kujang	8018324111		86-25-55.48	20-19-3.91	Y	Do	do	G-6	90	23.4	18.4	20.6	16.1	27.95
Abhay Kumar Majhi	Harekrushna Majhi	Anolipatna	Kujang	7751852307		86-25-54.52	20-19-6.35	Y	Do	do	G-6	90	23.4	18.4	20.6	16.1	27.95
Bigyan Prasad Samantray	Banchhanidhi Samantray	Anolipatna	Kujang	8280943390		86-25-52.16	20-19-7.28	Y	Do	do	G-6	120	23.4	18.4	20.6	16.1	27.95
Ghanashyam Swain		Anolipatna	Kujang	7328099775		86-25-47.36	20-19-9.68	Y	Do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Bharat Sahoo	Dhodi Sahoo	Anolipatna	Kujang	8658339228		86-25-47.21	20-19-8.99	Y	Do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Aruna Mallick	Khirod Mallick	Anolipatna	Kujang			86-25-46.50	20-19-8.98	Y	Do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Rashmiranjan Das	Khetrabasi Das	Anolipatna	Kujang	7735040583		86-25-46.18	20-19-8.48	Y	DAP - 88kg, Urea -	do	G-6	30	23.4	18.4	20.6	16.1	27.95

									10kg, MOP - 65 kg								
Bijay Sutar	Mandar Sutar	Anolipatna	Kujang	9692852227		86-25-46.13	20-19-8.16	Y	Do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Fakir Charan Das	Guna Pradhan	Anolipatna	Kujang			86-25-46.10	20-19-7.79	Y	Do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Suresh Chandra Sutar	Khetrabasi Sutar	Anolipatna	Kujang	9556902985		86-25-46.02	20-19-6.65	Y	Do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Nath Sundara	Brundaban Sundara	Anolipatna	Kujang	7401692622		86-25-46.70	20-19-6.64	Y	Do	do	G-6	30	23.4	18.4	20.6	16.1	27.95
Dhaneswar Mallick	Dhoi Mallick	Anolipatna	Kujang	9322609849		86-25-46.93	20-19-6.95	Y	Do	do	G-6	60	23.4	18.4	20.6	16.1	27.95
Jitu Narayan Sahoo	Basanta Kumar Sahoo	Anolipatna	Kujang	7978773505		86-25-44.54	20-19-2.89	Y	Do	do	G-6	120	23.4	18.4	20.6	16.1	27.95