

**CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSES (2020-21)**  
**PERFORMANCE DATA REPORTING KVK WISE**

1. Name of KVK: Angul  
 2. Host Institution: OUAT  
 5. District: Angul  
 7. Performance of the demonstration: Good

2. Year of establishment: 2001  
 4. Address: At-Panchamahala, P.O-Hulurisingha, Dist-Angul-759132  
 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	Greengram	Desimuga	3.53	82	46	-420	Use of HYV (IPM 02-14); Application of herbicides (Spraying of imazethapyr @1 litre/ha at 20 DAS); Timely plant protection measures (Spraying of immidacloprid @ 500ml/ha against aphids during vegetative stage, thiomethoxam @ 125g/ha against white fly (YMV) and also installation of yellow sticky traps @ 10-12 numbers per ha during maturity stage. For control of pod borers during pod formation stage spraying of profenophos @ 2ml per liter.	50	20	7.45	6.72	7.02	40.7	35.7	-90.4

### 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	Use of HYV (IPM 02-14); Application of herbicides (Spraying of imazethapyr @1 litre/ha at 20 DAS); Timely plant protection measures (Spraying of imidacloprid @ 500ml/ha against aphids during vegetative stage, thiomethoxam @ 125g/ha against white fly (YMV) and also installation of yellow sticky traps @ 10-12 numbers per ha during maturity stage. For control of pod borers during pod formation stage spraying of profenophos @ 2ml per liter.	18900	21180	2280	1.12	22600	42120	19520	1.86

### 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	Greengram (IPM 02-14)	15160	230	55.75	300	4510	Social function; Education of children; Repairing of house; Purchase of household assets	52

**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	Use of HYV (IPM 02-14); Application of herbicides (Spraying of imazethapyr @1 litre/ha at 20 DAS); Timely plant protection measures (Spraying of imidacloprid @ 500ml/ha against aphids during vegetative stage, thiomethoxam @ 125g/ha against white fly (YMV) and also installation of yellow sticky traps @ 10-12 numbers per ha during maturity stage. For control of pod borers during pod formation stage spraying of profenophos @ 2ml per liter	Suitable to the existing farming system	HYV (IPM 02-14) was preferred by the farmers and effective control of diseases & pests.	60%	Weed infestation during vegetative stage, leaf curl Due to aphid attack and yellowing of leaves due to whitefly.Pod borer attack in pod formation stage.	Y	Timely availability of seed and plant protection measures

**E. Specific Characteristics of Technology and Performance**

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Greengram	Overall the demonstration performed well with effective weed control which recorded higher pod yield and profit	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme	Farmers were convinced with the technology and decided to cultivate the variety (IPM 2-14) in next season with same package of practices.

**F. Extension activities under FLD conducted till dates:**

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Distribution of inputs	7.01.21	50
2	Field Day	26.03.21-BARGAUNIA	66

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



**9. Farmers' training photographs**

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



**11. Details of budget utilization**

<b>Crop (provide crop wise information )</b>	<b>Items</b>	<b>Budget Received (Rs.)</b>	<b>Budget Utilization (Rs.)</b>	<b>Balance (Rs.)</b>
Greengram	i) Critical input	162000	132341	29659
	ii) TA/DA/POL etc. for monitoring	6000	5,554	446
	iii) Extension Activities (Field day)	5000	4950	50
	iv) Publication of literature	5000	4895	105
	V) Contingency	800	800	0
	<b>Audit Fee retained by OUAT</b>	1200	1200	0
	<b>Total</b>	<b>180000</b>	<b>1,49,740</b>	<b>30,260</b>

## 12. List of Farmer under FLD (Crop wise)

### a) Greengram

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	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Lat	Long							H	L	A		
Sashibhusan Pradhan	Damodara Pradhan	Baragaunia	Angul	6371329931		20°50'6.68"	85°4'9.12"	N		HYV (IPM 02-14); Application of herbicides	IPM 2-14	1.00	4 kg	7.45	6.72	7.02	3.53	52
Gouri Shankar Sahoo	Bansidhara Sahu	Baragaunia	Angul	7682088875		20°43'13"	85°3'53"	N				1.00	4 kg					
Prashant Pradhan	Purna Chandra Sahu	Baragaunia	Angul	9668141138		20°42'13"	85°3'53"	N				0.50	4 kg					
Amar Pradhan	Panchunath Pradhan	Baragaunia	Angul	9178006001		20°43'22"	85°3'54"	N				1.00	4 kg					
Sailabala Pradhan	Rabidra Pradhan	Baragaunia	Angul	9938409258		20°43'13"	85°3'54"	N				1.00	4 kg					
Bumar Pradhan	Panchunath Pradhan	Baragaunia	Angul	8018423578		20°43'12"	85°3'54"	N				1.00	4 kg					
Minati Behera	Ajaya Pradhan	Baragaunia	Angul	9938725821		20°43'12"	85°3'54"	N				1.00	4 kg					
Laxman Sahoo	Hrushikes Sahu	Baragaunia	Angul	9937469859		20°43'12"	85°3'55"	N				0.50	4 kg					
Bhagaban Sahoo	Guna Sahu	Baragaunia	Angul	7894075352		20°43'11"	85°3'57"	N				0.50	4 kg					
Parasa Sahoo	Dukhindra Sahu	Baragaunia	Angul	8249231469		20°43'9"	85°3'57"	N				0.50	4 kg					
Nirasmitta Sahoo	Nitya Nada Sahu	Baragaunia	Angul	9337904325		20°43'9"	85°3'57"	N				0.60	4 kg					
Akhaya Sahoo	Bidyadhara Sahu	Baragaunia	Angul	9668706261		20°43'7"	85°3'58"	N				1.00	4 kg					
Tapaswini Sahoo	Anil Sahu	Baragaunia	Angul	95556589266		20°43'7"	85°3'58"	N				0.50	4 kg					
Chhabi Sahoo	Purnachandra Sahu	Baragaunia	Angul	8018202982		20°43'6"	85°3'57"	N				0.50	4 kg					
Chandramani Sahoo	Fagu Charan Sahu	Baragaunia	Angul	9028137378		20°43'1"	85°3'55"	N				0.50	4 kg					
Duryadhona Sahoo	Shukuru Sahu	Baragaunia	Angul	9556191818		20°43'2"	85°3'55"	N				1.00	4 kg					
Ashok Kumar Pradhan	Gopinath Pradhan	Baragaunia	Angul	9777203424		20°43'3"	85°3'5"	N				1.00	4 kg					

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						Lat	Long							H	L	A		
Nirupama Sahoo	Ashok Sahu	Baragaunia	Angul	79878485343		20°43'3"	85°3'554"	N				1.00	4 kg					
Mismita Sahoo	Ranjan Sahu	Baragaunia	Angul	9348821237		20°43'3"	85°3'54"	N				1.00	4 kg					
Sanatana Sahoo	Sahedev Sahu	Baragaunia	Angul	7327069584		20°43'2.52"	85°3'53"	N				1.00	4 kg					
Satyanarayana Pradhan	Duryadhana Pradhan	Baragaunia	Angul	9356834930		20°43'2"	85°3'53"	N				1.00	4 kg					
Manash Ranjan Sahoo	Sunil Sahu	Baragaunia	Angul	6281840739		20°43'3"	85°3'53"	N				1.00	4 kg					
Bhumar Pradhan	Brundabana Pradhan	Baragaunia	Angul	9178505628		20°43'4.98"	85°3'54"	N				1.00	4 kg					
Sanjukta Pradhan	Ranjan Pradhan	Baragaunia	Angul	9777084265		20°43'099"	85°3'96"	N				1.00	4 kg					
Ajaya Sahoo	Bhagat Sahu	Baragaunia	Angul	8018340120		20°46'19"	85°11'13"	N				1.00	4 kg					
Sushama Sahoo	Chabi Sahu	Baragaunia	Angul	63729394285		20°46'19"	85°11'13"	N				1.00	4 kg					
Pradetpa Sahoo	Dharanidhara Sahu	Baragaunia	Angul	9777506659		20°46'2.96"	85°11'2.01"	N				1.00	4 kg					
Indramani Sahoo	Rabindra Sahu	Baragaunia	Angul	8144616686		20°46'2.13"	85°11'2.01"	N				1.00	4 kg					
Mangulu Sahoo	Debadhu Sahu	Baragaunia	Angul	9078137195		20°46'2.13"	85°11'2.01"	N				1.00	4 kg					
Pandita Sahoo	Lochana Sahu	Baragaunia	Angul	9776351054		20°46'3.15"	85°11'2.15"	N				0.50	4 kg					
Nityananda Sahoo	Sankani Sahu	Baragaunia	Angul	7894565481		20°46'19"	85°11'2.13"	N				0.50	4 kg					
Sudhakar Sahoo	Danaka Sahu	Baragaunia	Angul	7606980780		20°46'6.01"	85°3'13.45"	N				1.00	4 kg					
Gopabandhu Sahoo	Fagu Charana Sahu	Baragaunia	Angul	9777253612		20°46'2.0"	85°3'16.05"	N				0.50	4 kg					
Parbati Sahoo	Akhaya Sahu	Baragaunia	Angul	8018243924		20°46'2.9"	85°3'15.9"	N				0.50	4 kg					
Promoda Sahoo	Fagu Charan Sahu	Baragaunia	Angul	6372610984		20°43'3.3"	85°3'15.9"	N				0.50	4 kg					
Kalpa Nayak	Bramha Nada Sahu	Baragaunia	Angul	8456064301		20°43'21"	85°3'15.4"	N				0.50	4 kg					
Chitaranjan Pradhan	Bauria Nayak	Baragaunia	Angul	9776351054		20°43'21"	85°3'15.4"	N				0.50	4 kg					
Kartikeswara Pradhan	Braja Bandhu Pradhan	Baragaunia	Angul	9938972927		20°43'3.5"	85°3'15.4"	N				1.00	4 kg					

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						Lat	Long							H	L	A		
Ajya Kumar Sahoo	Kailash Pradhan	Baragaunia	Angul	9778799974		20°43'3.45"	85°3'15.6"	N				1.00	4 kg					
Prashanta Sahoo	Dandadhra Sahu	Baragaunia	Angul	7894147293		20°43'3.9"	85°3'15.78"	N				1.00	4 kg					
Jitendra Sahoo	Shrimukha Sahu	Baragaunia	Angul	9938685441		20°43'3.3"	85°3'15.84"	N				0.50	4 kg					
Digambara Sahoo	Nirajana Sahu	Baragaunia	Angul	9938273787		20°43'3.7"	85°3'15.87"	N				0.50	4 kg					
Krupasindhu Sahoo	Mohana Sahu	Baragaunia	Angul	8658998278		20°43'3.6"	85°3'15.81"	N				1.00	4 kg					
Santosh Kumar Sahoo	Dwari Sahu	Baragaunia	Angul	8457789410		20°43'3.5"	85°3'15.86"	N				1.00	4 kg					
Binaya Sahoo	Basu Sahu	Baragaunia	Angul	9337275922		20°43'3.7"	85°3'15.88"	N				0.50	4 kg					
Sonali Pradhan	Madana Kumar Sahu	Baragaunia	Angul			20°43'3.9"	85°3'15.86"	N				0.50	4 kg					
Madan Kumar Sahoo	Duryadhana Sahu	Baragaunia	Angul			20°43'3.4"	85°3'15.83"	N				1.00	4 kg					
Prakasha Sahoo	Achutya Sahu	Baragaunia	Angul			20°43'3.5"	85°3'15.81"	N				1.00	4 kg					
Ruma Behuri	Tanu Dehuri	Baragaunia	Angul			20°43'3.1"	85°3'15.89"	N				1.00	4 kg					
Kanti Sahoo	Gambeswara Pradhan	Baragaunia	Angul	7847904587		20°43'3.2"	85°3'15.84"	N				1.00	4 kg					

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Signature of Head of Organization

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Signature of Programme Co-coordinator