

CLUSTER FRONTLINE DEMONSTRATION OF KHARIF PULSE (2017-18) PERFORMANCE DATA REPORTING

FORMAT KVK WISE

1. Name of KVK: Sundargarh-II

2. Host Institution: OUAT, Bhubaneswar

5. District: Sundargarh

7. Performance of the demonstration: Good

2. Year of establishment: 2012

4. Address: Hockey Chowk, Panposh, Rourkela

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	Black gram	Pahadia biri	5.2	5.4	5.04	8.0	Variety- PU-31 Seed rate-20kg/Ha, Seed treatment with Bavistin @2g/kg of seed. Seed inoculation with Rhizobium @20g/kg of seed, Line sowing spaced at 30X10 cm. Weed management by the application of Pendimethylene @3 litre?ha. Sucking pest management by Imidacloprid @ 100g/Ha	60	20	9.3	6.6	8.3	5.4	5.04	12

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	Variety- PU-31 Seed rate-20kg/Ha, Seed treatment with Bavistin @2g/kg of seed. Seed inoculation with Rhizobium @20g/kg of seed, Line sowing spaced at 30X10 cm. Weed management by the application of Pendimethylene @3 litre/ha. Sucking pest management by Imidacloprid @ 100g/Ha	20500	32400	11900	1.58	23500	49800	26300	2.11

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	Black gram PU-31	16600 kg	253kg/household	Rs 60/kg	800 kg	15800 kg	House hold expenses	58

D. Oilseed Farmers' perception of the intervention demonstrated (Not Applicable)

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

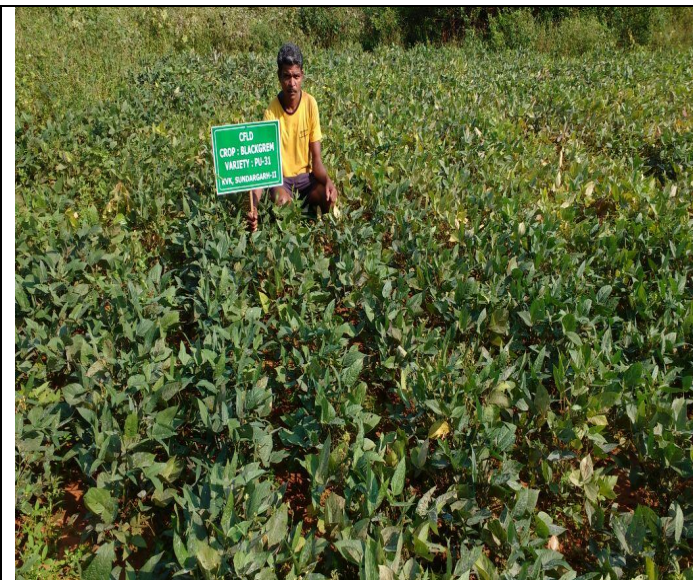
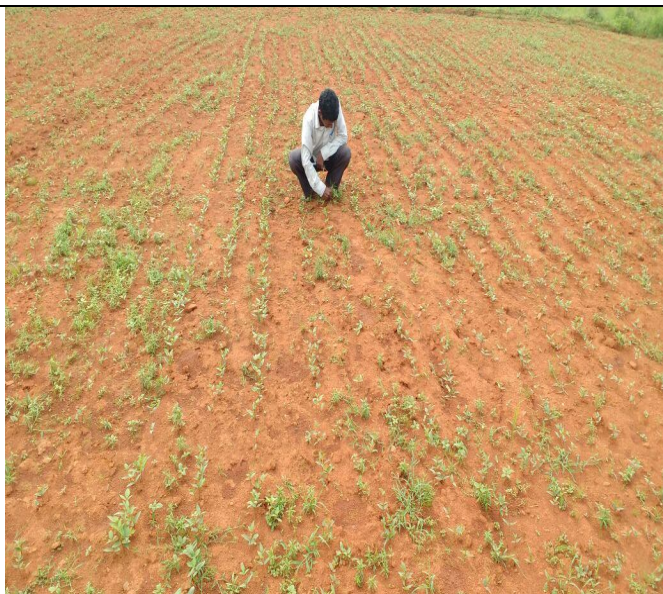
E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety	High yielding,Suitable to the rainfed upland	Average performance	Variety PU-31 is highly appreciated for its germination and yield is better than their existing variety
Seed treatment &seed inoculation	Soil borne, seed borne disease controlled	Incidence of Diseases	Disease in Black gram can be minimized by seed treatment.
Sucking pest management	Mosaic disease controlled	Sucking pest infestation is there	Sucking pest damage can be minimized by application of Imidacloprid

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Beneficiary selection, Group discussion, site selection	13.7.17 Soleguda	40
2	Input distribution, Field visit	31.7.17, Soleguda	53
3	Training & field visit	16.8.17, Soleguda	50
4	Field visit	11.9.17, Soleguda	24
5	Field Day	22.10.17, Soleguda	50

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

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input		74170	
	ii) TA/DA/POL etc. for monitoring		9908	
	iii) Extension Activities (Field day)		7500	
	iv) Publication of literature		0	
	Total	148800	91578	57,222

12. List of Farmer under FLD (Crop wise)

a) Crop1

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(kg/ha)	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Felisia Dungdung	Johan Dungdung	Soleguda	Gurundia			N 21 ⁰ 55' 54.9"	E 084 ⁰ 37' 28.4"	yes	Urea-10 DAP-86 MOP-33		PU-31	4 kg			8.1	5.4qtp er Ha (Average Yield)	53 % yield increase over the check
Jagannath Adha	Upendra Adha	Soleguda	Gurundia			N 21 ⁰ 55' 57.2"	E 084 ⁰ 37' 29.2"	yes	Urea- 15 DAP-87 MOP- 32		PU-31	8 kg			7.9		
Sushanta Dungdung	Masidar Dungdung	Soleguda	Gurundia			N 21 ⁰ 55' 59.8"	E 084 ⁰ 37' 29.9"	yes	Urea-9 DAP-86 MOP-32		PU-31	8 kg			8.3		
Maheswar Naik	Natha Naik	Soleguda	Gurundia			N 21 ⁰ 55' 50.6"	E 084 ⁰ 37' 30.2"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			8.1		
Janani Kalo	Duryodhan Kalo	Soleguda	Gurundia			N 21 ⁰ 55' 52.6"	E 084 ⁰ 37' 26.4"	yes	Urea-13 DAP-86 MOP-33		PU-31	4 kg			7.9		
Ishdhar Bilung	Thanes Bilung	Soleguda	Gurundia			N 21 ⁰ 55' 48.7"	E 084 ⁰ 37' 27.8"	yes	Urea-15 DAP-85 MOP-32		PU-31	4 kg			8.4		
Premchand Barla	Bishram Barla	Soleguda	Gurundia			N 21 ⁰ 55' 47.4"	E 084 ⁰ 37' 26.8"	yes	Urea-10 DAP-86 MOP-32		PU-31	8 kg			7.9		
Bhagirathi Kalo	Anant Kalo	Soleguda	Gurundia			N 21 ⁰ 55' 46.1"	E 084 ⁰ 37' 31.7"	yes	Urea-12 DAP-86 MOP-32		PU-31	8 kg			8.1		

Subhasin i Kerketta	Purna Kerketta	Solegud a	Gurun dia			N 21 ⁰ 55' 54.1"	E 084 ⁰ 37' 32.3"	yes	Urea-12 DAP-86 MOP-33		PU-31	8 kg			8.9		
Silas Kerketta	Joseph Kerketta	Solegud a	Gurun dia			N 21 ⁰ 55' 51.7"	E 084 ⁰ 37' 26.4"	yes	Urea-9 DAP-87 MOP-31		PU-31	8 kg			8.4		
Siman Barla	Jakrias Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 56.1"	E 084 ⁰ 37' 33.2"	yes	Urea-15 DAP-86 MOP-33		PU-31	4 kg			8.5		
Lere Dungdun g	Masi Dungdu ng	Solegud a	Gurun dia			N 21 ⁰ 55' 45.9"	E 084 ⁰ 37' 25.6"	yes	Urea-9 DAP-85 MOP-32		PU-31	4 kg			7.1		
Sebati Majhi	Subash Naik	Solegud a	Gurun dia			N 21 ⁰ 55' 44.6"	E 084 ⁰ 37' 25.1"	yes	Urea-11 DAP-86 MOP-33		PU-31	8 kg			7.6		
Pabitra Mahakul	Bana Mahaku l	Solegud a	Gurun dia			N 21 ⁰ 55' 43.5"	E 084 ⁰ 37' 24.6"	yes	Urea-9 DAP-85 MOP-33		PU-31	4 kg			8.8		
Dhanmas i Kandulna	Kuril Kanduln a	Solegud a	Gurun dia	8658579 589		N 21 ⁰ 55' 44.9"	E 084 ⁰ 37' 24.7"	yes	Urea-15 DAP-87 MOP-34		PU-31	8 kg			9.3		
Sanatan Adha	Upendra Adha	Solegud a	Gurun dia			N 21 ⁰ 55' 42.9"	E 084 ⁰ 37' 23.4"	yes	Urea-9 DAP-88 MOP-33		PU-31	4kg			8.6		
Jadumani Chhatria	Abhi Chhatria	Solegud a	Gurun dia			N 21 ⁰ 55' 36.7"	E 084 ⁰ 37' 20.3"	yes	Urea-15 DAP-87 MOP-34		PU-31	4kg			8.3		
Paulus Kulu	Jakrias Kulu	Solegud a	Gurun dia			N 21 ⁰ 55' 35.9"	E 084 ⁰ 37' 22.4"	yes	Urea-10 DAP-86 MOP-33		PU-31	8 kg			8.1		
Sudarsha n Kandulna	Abhira m Kanduln a	Solegud a	Gurun dia	8658543 266		N 21 ⁰ 55' 34.5"	E 084 ⁰ 37' 21.6"	yes	Urea-15 DAP-85 MOP-33		PU-31	8 kg			8.6		
Manbodh Kalo	Dinaban dhu Kalo	Solegud a	Gurun dia	8018285 293		N 21 ⁰ 55' 33.6"	E 084 ⁰ 37' 58.3"	yes	Urea-9 DAP-87 MOP-34		PU-31	8 kg			8.8		

Santosh Dhanwar	Indra Dhanwar	Solegud a	Gurun dia			N 21 ⁰ 55' 32.5"	E 084 ⁰ 37' 56.5"	yes	Urea-12 DAP-88 MOP-33		PU-31	4 kg			9		
Juel Kandulna	Kuril Kandolna	Solegud a	Gurun dia			N 21 ⁰ 55' 36.4"	E 084 ⁰ 37' 57.2"	yes	Urea-9 DAP-88 MOP-35		PU-31	8 kg			8.9		
Sudhir Ghatwall	Rasanand Ghatwal	Solegud a	Gurun dia	9556000 750		N 21 ⁰ 55' 32.5"	E 084 ⁰ 37' 54.4"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			8.8		
Indramani Kalo	Baneswar Kalo	Solegud a	Gurun dia	8018279 248		N 21 ⁰ 55' 37.9"	E 084 ⁰ 37' 53.5"	yes	Urea-9 DAP-86 MOP-33		PU-31	4 kg			8.6		
Lares Toppo	Filman Toppo	Solegud a	Gurun dia			N 21 ⁰ 55' 38.6"	E 084 ⁰ 37' 51.2"	yes	Urea-10 DAP-85 MOP-33		PU-31	4 kg			8.2		
Yakub Barla	Birsha Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 41.8"	E 084 ⁰ 37' 51.5"	yes	Urea-15 DAP-86 MOP-33		PU-31	8 kg			7.6		
Simon Bilung	James Bilung	Solegud a	Gurun dia	9777951 612		N 21 ⁰ 55' 42.6"	E 084 ⁰ 37' 51.1"	yes	Urea-12 DAP-86 MOP-33		PU-31	8 kg			7.1		
Khira Sagar Naik	Hari Naik	Solegud a	Gurun dia	9439285 395		N 21 ⁰ 55' 42.1"	E 084 ⁰ 37' 48.7"	yes	Urea-14 DAP-86 MOP-31		PU-31	4 Kg			8		
Jhasketan Naik	Khira Sagar Naik	Solegud a	Gurun dia	9556759 338		N 21 ⁰ 55' 41.6"	E 084 ⁰ 37' 50.7"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			8.9		
Naiman Barla	Heram Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 43.9"	E 084 ⁰ 37' 48.4"	yes	Urea-14 DAP-86 MOP-30		PU-31	8 kg			8.4		
Arjun Mahakul	Mauna Mahakul	Solegud a	Gurun dia			N 21 ⁰ 55' 44.6"	E 084 ⁰ 37' 48.2"	yes	Urea-9 DAP-84 MOP-32		PU-31	8 kg			8.5		
Baikuntha Naik	Duryodhan Naik	Solegud a	Gurun dia	8658765 527		N 21 ⁰ 55' 44.9"	E 084 ⁰ 37' 46.3"	yes	Urea-14 DAP-86 MOP-30		PU-31	8 kg			8.7		
Felix Bilung	John Bilung	Solegud	Gurun			N 21 ⁰ 55' 46.1"	E 084 ⁰ 37' 45.7"	yes	Urea-9 DAP-86		PU-31	4 kg			7.1		

		a	dia						MOP-33								
Dayadas Barla	Andrias Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 46.8"	E 084 ⁰ 37' 43.6"	yes	Urea-9 DAP-86 MOP-33		PU-31	4 kg			6.6		
Jeevanmashi Barla	Bisram Barla	Solegud a	Gurun dia	7077203 163		N 21 ⁰ 55' 44.9"	E 084 ⁰ 37' 35.4"	yes	Urea-14 DAP-86 MOP-33		PU-31	8 kg			7.3		
Athnas Toppo	Philman Toppo	Solegud a	Gurun dia			N 21 ⁰ 55' 45.2"	E 084 ⁰ 37' 34.7"	yes	Urea-9 DAP-85 MOP-33		PU-31	8 kg			7.6		
Bhagirathi Kalo	Ananta Kalo	Solegud a	Gurun dia			N 21 ⁰ 55' 45.8"	E 084 ⁰ 37' 33.5"	yes	Urea-12 DAP-86 MOP-32		PU-31	8 kg			8.6		
Samra Majhi	Deonath Majhi	Solegud a	Gurun dia			N 21 ⁰ 55' 46.4"	E 084 ⁰ 37' 32.8"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 Kg			8.4		
Kunwar Kandolna	Jasua Kandolna	Solegud a	Gurun dia			N 21 ⁰ 55' 47.2."	E 084 ⁰ 37' 31.8"	yes	Urea-9 DAP-88 MOP-33		PU-31	4 kg			9		
Etwa Barla	Mangra Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 47.9"	E 084 ⁰ 37' 39.4"	yes	Urea-15 DAP-88 MOP-33		PU-31	8 kg			8.3		
Sudarshan Kandolna	Abram Kandolna	Solegud a	Gurun dia	8658579 589		N 21 ⁰ 55' 45.7"	E 084 ⁰ 37' 37.3"	yes	Urea-9 DAP-85 MOP-33		PU-31	8 kg			8.5		
Hari Naik	Jambeswar Naik	Solegud a	Gurun dia			N 21 ⁰ 55' 46.2"	E 084 ⁰ 37' 37.9"	yes	Urea-9 DAP-85 MOP-33		PU-31	8 kg			8.1		
Purna Chandra Bilung	Parshu Bilung	Solegud a	Gurun dia	8018279 495		N 21 ⁰ 55' 48.4"	E 084 ⁰ 37' 37.1"	yes	Urea-14 DAP-85 MOP-33		PU-31	8 kg			8.6		
Baneswar Kalo	Balaram Kallo	Solegud a	Gurun dia			N 21 ⁰ 55' 24.9"	E 084 ⁰ 37' 48.4"	yes	Urea-12 DAP-88 MOP-33		PU-31	8 kg			8.8		
James Bilung	Patras Bilung	Solegud a	Gurun dia	9777951 612		N 21 ⁰ 55' 23.8"	E 084 ⁰ 37' 48.9"	yes	Urea-9 DAP-87 MOP-33		PU-31	4 kg			8.5		

Sabitree Kalo	Daulat Kalo	Solegud a	Gurun dia			N 21 ⁰ 55' 23.2"	E 084 ⁰ 37' 49.6"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			8		
Satrughn a Naik	Hari Naik	Solegud a	Gurun dia			N 21 ⁰ 55' 22.5"	E 084 ⁰ 37' 51.8"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			7.7		
Jagaband hu Kalo	Kandra Kalo	Solegud a	Gurun dia			N 21 ⁰ 55' 21.9"	E 084 ⁰ 37' 51.1"	yes	Urea-14 DAP-86 MOP-33		PU-31	8 kg			8.4		
Susmita Lakra	Jaswa Toppo	Solegud a	Gurun dia			N 21 ⁰ 55' 21.2"	E 084 ⁰ 37' 51.9"	yes	Urea-9 DAP-87 MOP-33		PU-31	4 kg			8.7		
Gita Toppo	Albert Toppo	Solegud a	Gurun dia			N 21 ⁰ 55' 20.5"	E 084 ⁰ 37' 50.8"	yes	Urea-9 DAP-86 MOP-34		PU-31	8 kg			8.9		
Jiwanma si Kandulna	Abhira m Kandulna	Solegud a	Gurun dia	7077203 163		N 21 ⁰ 55' 20.8"	E 084 ⁰ 37' 52.4"	yes	Urea-10 DAP-86 MOP-34		PU-31	8 kg			8.6		
ayasagar Naik	Harekris hna Naik	Solegud a	Gurun dia			N 21 ⁰ 55' 20.3"	E 084 ⁰ 37' 53.1"	yes	Urea-10 DAP-85 MOP-33		PU-31	4 kg			8.1		
Anand masi Barla	Jakrias Barla	Solegud a	Gurun dia	8018285 293		N 21 ⁰ 55' 20.9"	E 084 ⁰ 37' 53.8"	yes	Urea-9 DAP-87 MOP-33		PU-31	8 kg			7.7		
Rabi Kulu	Baju Kulu	Solegud a	Gurun dia	9668511 943		N 21 ⁰ 55' 19.6"	E 084 ⁰ 37' 51.7"	yes	Urea-9 DAP-86 MOP-34		PU-31	4 kg			8.8		
Sabitree Sahu	Padmalochan Sahu	Solegud a	Gurun dia			N 21 ⁰ 55' 21.9"	E 084 ⁰ 37' 54.4"	yes	Urea-9 DAP-86 MOP-33		PU-31	8 kg			7.8		
Chudamani Mahakud	Murali Mahakud	Solegud a	Gurun dia			N 21 ⁰ 55' 22.3"	E 084 ⁰ 37' 54.9"	yes	Urea-10 DAP-85 MOP-33		PU-31	8 kg			8.6		
Junas Barla	Ishan Barla	Solegud a	Gurun dia			N 21 ⁰ 55' 23.8"	E 084 ⁰ 37' 55.6"	yes	Urea-9 DAP-86 MOP-33		PU-31	4 kg			8.9		

Tribhuba n Ghatwal	Rasanan d Ghatwal	Solegud a	Gurun dia			N 21 ⁰ 55' 21.9"	E 084 ⁰ 37' 56.2"	yes	Urea-14 DAP-86 MOP-33		PU-31	8 kg			8.6		
Meri Bilung	Clemant Bilung	Solegud a	Gurun dia	8658775 434		N 21 ⁰ 55' 20.5"	E 084 ⁰ 37' 56.9"	yes	Urea-9 DAP-87 MOP-33		PU-31	8 kg			8.9		
Salami Bilung	Felix Bilung	Solegud a	Gurun dia			N 21 ⁰ 55' 19.2."	E 084 ⁰ 37' 58.4"	yes	Urea-10 DAP-86 MOP-34		PU-31	8 Kg			8.5		

Signature of Head of Organization

Signature of Sr. Scientist & Head