

CLUSTER FRONTLINE DEMONSTRATION OF KHARIF PULSE (2018-19) 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	Mala Biri	5.2	4.78	5.04	8.0	Variety- OBG-17(UJALA) Seed rate- 20kg/Ha, Seed treatment with Carbendazim 50% @2g/kg of seed followed by Seed inoculation with Rhizobium culture@20g/kg of seed, Line sowing spaced at 30X10 cm. Weed management by the application of Pendimethylene @3 litre/ha. Application of Biofertilizer @ 25 kg/Ha Sucking pest management by Imidacloprid	60	20	7.4	4.8	6.4	33.8%	26.9%	56.2%

							17.8 SL@ 125mlg/Ha diseases managed by foliar application of (Metalaxyl +Mancozeb) @ 1kg/ha							
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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-OBG-17 (UJALA) Seed rate-20kg/Ha, Seed treatment with Carbendazim @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. Application of Biofertilizer @ 25 Kg/ Ha Sucking pest management by Imidacloprid @ 125ml/Ha & diseases managed by foliar application of (Metalaxyl +Mancozeb) @ 1kg/ha	20900	33800	12900	1.61	23800	41600	17800	1.75

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 OBG-17 (UJALA)	12800 kg	200 kg/household	Rs 65/kg	800 kg	12000 kg	House hold expenses	54

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	Suitable to the rainfed upland	Average performance	Variety OBG-17 (UJALA) is highly appreciated for its germination and yield is slightly better than their existing variety
Seed treatment & seed inoculation	Soil borne, seed borne disease controlled	Incidence of Diseases	Disease in Black gram is minimized by seed treatment with Carbendazim
Sucking pest management	Mosaic disease controlled	Sucking pest infestation is there	Sucking pest damage is minimized by application of Imidacloprid 17.8 SL
Weed management	Weed population is less than the local practice	Weed population is there	Weed population is minimized by Application of Pendimethylene followed by one hand weeding

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	13.7.18 Sole, Tukuda	50
2	Input distribution, Field visit	06.8.18, Sole	60
3	Training & field visit	23.8.18, Sole	50
4	Field visit	29.9.18, Sole	28
5	Field Day	31.10.18, Sole	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	-	1,27,000	-
	ii) TA/DA/POL etc. for monitoring	-	15,000	-
	iii) Extension Activities (Field day)	-	8000	-
	iv) Publication of literature	-	00	-
	Total		1,50,000	

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		
Bhraman Bara Adha	Bighnes Adha	Sole	Gurundia			21 ⁰ 56' 37.8" N	84 ⁰ 33' 45.5" E	yes	Urea-9 DAP-85 MOP-32		OBG-17 (UJALA)				6.2	5.2qtper Ha (Average Yield)	23 % yield increase over the check
Tehofil Bage	Habil Bage	Sole	Gurundia	9937939564		21 ⁰ 56' 47.3" N	84 ⁰ 33' 20.8" E	yes	Urea- 14 DAP-88 MOP- 33		OBG-17 (UJALA)				6.0		
Debanand Tiwary	Ganapati Tiwary	Sole	Gurundia			21 ⁰ 56' 42.7" N	84 ⁰ 33' 15.6" E	yes	Urea-8 DAP-85 MOP-31		OBG-17 (UJALA)				6.4		
Halan Kandulna	Naiman Kandulna	Sole	Gurundia	9937406964		21 ⁰ 56' 53.2" N	84 ⁰ 33' 22.5" E	yes	Urea-10 DAP-87 MOP-35		OBG-17 (UJALA)				6.2		
Pravat Lakra	Michel Lakra	Sole	Gurundia			21 ⁰ 56' 49.6" N	84 ⁰ 33' 17.6" E	yes	Urea-12 DAP-87 MOP-35		OBG-17 (UJALA)				6.0		
Abhiram Herenj	Patras Herenj	Sole	Gurundia	7750858657		21 ⁰ 56' 38.5" N	84 ⁰ 33' 10.9" E	yes	Urea-15 DAP-85 MOP-32		OBG-17 (UJALA)				6.5		
Sukanti Nayak	Bijay Naik	Sole	Gurundia	9668848488		21 ⁰ 56' 33.6" N	84 ⁰ 33' 40.5" E	yes	Urea-10 DAP-86 MOP-32		OBG-17 (UJALA)				6.0		
Bhuleswar Munda	Gobardhan Munda	Sole	Gurundia			21 ⁰ 56' 29.5" N	84 ⁰ 33' 45.6" E	yes	Urea-12 DAP-86 MOP-32		OBG-17 (UJALA)				6.2		
Laxman	Gobardh	Sole				21 ⁰ 56'		yes	Urea-12		OBG-				7.0		

Munda an Munda			Gurundia			55.6" N	84°33' 11.5" E		DAP-86 MOP-33		17 (UJALA)					
Subash Surin	Jarkias Surin	Sole	Gurundia			21°56' 40.9" N	84°33' 08.6" E	yes	Urea-9 DAP-87 MOP-31		OBG-17 (UJALA)					6.5
Prafulla Kumar Lakra	Daniel Lakra	Sole	Gurundia	8658509580		21°56' 33.8" N	84°33' 50.6" E	yes	Urea-15 DAP-86 MOP-33		OBG-17 (UJALA)					6.6
Albinos Dungdung	Johan Dungdung	Sole	Gurundia			21°56' 11.5" N	84°33' 45.8" E	yes	Urea-9 DAP-85 MOP-32		OBG-17 (UJALA)					5.2
John Sunil Lugun	Syryl Lugun	Sole	Gurundia	8455015561		21°56' 22.5" N	84°33' 53.2" E	yes	Urea-11 DAP-84 MOP-33		OBG-17 (UJALA)					5.7
Gurucharan Kisan	Dwitia Kissan	Sole	Gurundia			21°56' 43.6" N	84°33' 21.8" E	yes	Urea-9 DAP-85 MOP-33		OBG-17 (UJALA)					6.9
Jyoti Bage	Bir Kunwar Bage	Sole	Gurundia			21°56' 11.9" N	84°33' 42.7" E	yes	Urea-15 DAP-87 MOP-32		OBG-17 (UJALA)					7.4
Maina Munda	Jaga Munda	Sole	Gurundia			21°56' 18.8" N	84°33' 33.6" E	yes	Urea-9 DAP-88 MOP-33		OBG-17 (UJALA)					6.7
Dhurunath Singh	Palatu Singh	Sole	Gurundia			21°56' 32.5" N	84°33' 15.6" E	yes	Urea-15 DAP-87 MOP-33		OBG-17 (UJALA)					6.4
Pushpa Kanti Lugun	James Lugun	Sole	Gurundia			21°56' 25.6" N	84°33' 45.8" E	yes	Urea-10 DAP-86 MOP-33		OBG-17 (UJALA)					6.2
Pramila Beck	Praful Beck	Sole	Gurundia			21°56' 55.9" N	84°33' 18.7" E	yes	Urea-14 DAP-85 MOP-33		OBG-17 (UJALA)					6.7
Ilis Dungdung	Shiman Dungdung	Sole	Gurundia			21°56' 15.6" N	84°33' 46.3" E	yes	Urea-9 DAP-87 MOP-34		OBG-17 (UJALA)					6.8
Jyoti Herenj	Amrit Herenj	Sole	Gurundia	7894846360		21°56' 57.6" N	84°33' 07.9" E	yes	Urea-12 DAP-88 MOP-33		OBG-17 (UJALA)					7.1
Sumitra Gaud	Janu Gaud	Sole	Gurundia			21°56' 05.6" N	84°33'	yes	Urea-9 DAP-88		OBG-17					7.0

			dia				45.8" E		MOP-35		(UJALA)						
Masikan Bage	Sebian Bage	Sole	Gurundia			21°56' 16.7" N	84°33' 38.2" E	yes	Urea-9 DAP-86 MOP-33		OBG-17 (UJALA)						6.9
Santimani Bage	Benjamin Bage	Sole	Gurundia			21°56' 09.8" N	84°33' 36.6" E	yes	Urea-9 DAP-86 MOP-33		OBG-17 (UJALA)						6.7
Nabor Herenj	Patras Herenj	Sole	Gurundia	9556780 730		21°56' 44.6" N	84°33' 19.2" E	yes	Urea-10 DAP-85 MOP-33		OBG-17 (UJALA)						6.3
Sushil Herenj	Habil Herenj	Sole	Gurundia	9178104 024		21°56' 30.8" N	84°33' 50.6" E	yes	Urea-15 DAP-86 MOP-31		OBG-17 (UJALA)						5.7
Basil Herenj	Habil Herenj	Sole	Gurundia			21°56' 18.6" N	84°33' 44.6" E	yes	Urea-12 DAP-86 MOP-33		OBG-17 (UJALA)						5.2
Bharat Majhi	Baneswar Majhi	Sole	Gurundia	9937939 610		21°56' 59.1" N	84°33' 23.3" E	yes	Urea-14 DAP-86 MOP-31		OBG-17 (UJALA)						6.1
Jagdish Majhi	Manbodh Majhi	Sole	Gurundia	7606814 215		21°56' 51.6" N	84°33' 05.8" E	yes	Urea-9 DAP-85 MOP-34		OBG-17 (UJALA)						7.2
Junas Barla	Rafol Barla	Sole	Gurundia			21°56' 47.7" N	84°33' 11.6" E	yes	Urea-14 DAP-85 MOP-30		OBG-17 (UJALA)						6.5
Manbodh Majhi	Sahadev Majhi	Sole	Gurundia			21°56' 31.9" N	84°33' 09.9" E	yes	Urea-9 DAP-84 MOP-32		OBG-17 (UJALA)						6.6
Theodhar Topno	Barnabas Topno	Sole	Gurundia			21°56' 20.1 N	84°33' 3.1 E	yes	Urea-14 DAP-86 MOP-32		OBG-17 (UJALA)						6.8
Sukanti Kalo	Prashant Kalo	Sole	Gurundia	7749970 838		21°56' 13.8" N	84°33' 59.3" E	yes	Urea-9 DAP-87 MOP-33		OBG-17 (UJALA)						5.2
Bishram Topno	Niskalan Topno	Sole	Gurundia	8658500 379		21°56' 28.9" N	84°33' 31.3" E	yes	Urea-9 DAP-86 MOP-32		OBG-17 (UJALA)						4.8
Fransis Lakra	Matias Lakra	Sole	Gurundia			21°56' 23.4" N	84°33' 40.1" E	yes	Urea-14 DAP-86 MOP-33		OBG-17 (UJALA)						5.4

Zabrius Lakra	Igneus Lakra	Sole	Gurundia			21 ⁰ 56' 09.6" N	84 ⁰ 33' 29.5" E	yes	Urea-9 DAP-85 MOP-33		OBG-17 (UJALA)							5.7
Gabrial Khadia	Johan Khadia	Sole	Gurundia	7077681 790		21 ⁰ 56' 43.6" N	84 ⁰ 33' 08.1" E	yes	Urea-12 DAP-86 MOP-33		OBG-17 (UJALA)							6.7
Prakash Kandulna	Joseph Kandulna	Sole	Gurundia	9178428 376		21 ⁰ 56' 38.5" N	84 ⁰ 33' 20.3" E	yes	Urea-9 DAP-86 MOP-33		OBG-17 (UJALA)							6.5
Joseph Lakra	Matias Lakra	Sole	Gurundia			21 ⁰ 56' 50.2" N	21 ⁰ 56' 50.2" N	yes	Urea-9 DAP-87 MOP-33		OBG-17 (UJALA)							7.1
Hasta Lakra	Benedict Lakra	Sole	Gurundia	8658619 902		21 ⁰ 56' 29.6" N	84 ⁰ 33' 51.9" E	yes	Urea-15 DAP-88 MOP-33		OBG-17 (UJALA)							6.4
Rajesh Lakra	Silas Lakra	Sole	Gurundia	9668797 896		21 ⁰ 56' 12.6" N	84 ⁰ 33' 38.3" E	yes	Urea-9 DAP-85 MOP-33		OBG-17 (UJALA)							6.6
Fujjemcius Kandulna	Joseph Kandulna	Sole	Gurundia	9556981 834		21 ⁰ 56' 47.6" N	84 ⁰ 33' 28.5" E	yes	Urea-9 DAP-85 MOP-33		OBG-17 (UJALA)							6.2
Maten Singh	Palatu Singh	Sole	Gurundia			21 ⁰ 56' 18.4" N	21 ⁰ 56' 18.4" N	yes	Urea-13 DAP-85 MOP-33		OBG-17 (UJALA)							6.7
Raju Gaud	Nityana nd Gaud	Sole	Gurundia			21 ⁰ 56' 13.6" N	84 ⁰ 33' 52.8" E	yes	Urea-12 DAP-87 MOP-33		OBG-17 (UJALA)							6.9
Chandra Dhurua	Balmuk und Dhurua	Sole	Gurundia			21 ⁰ 56' 33.5" N	84 ⁰ 33' 25.6" E	yes	Urea-9 DAP-88 MOP-33		OBG-17 (UJALA)							6.6
Kamil Barla	Piyush Barla	Sole	Gurundia			21 ⁰ 56' 55.8" N	84 ⁰ 33' 17.6" E	yes	Urea-10 DAP-86 MOP-33		OBG-17 (UJALA)							6.1
Heman Dang	Filman dang	Sole	Gurundia			21 ⁰ 56' 24.5" N	84 ⁰ 33' 10.6" E	yes	Urea-9 DAP-85 MOP-33		OBG-17 (UJALA)							5.8
Kishore Lugun	Rafol Lugun	Sole	Gurundia			21 ⁰ 56' 20.8" N	84 ⁰ 33' 15.6" E	yes	Urea-14 DAP-86 MOP-33		OBG-17 (UJALA)							6.5
Roshan	Naiman	Sole		7894805		21 ⁰ 56'	84 ⁰ 33'	yes	Urea-9		OBG-							6.8

Dang	Dang		Gurundia	145		36.1" N	48.3" E		DAP-86 MOP-33		17 (UJALA)					
James Munda	Lukas Munda	Sole	Gurundia	8018128 208		21 ⁰ 56' 17.6" N	84 ⁰ 33' 37.8" E	yes	Urea-9 DAP-86 MOP-34		OBG- 17 (UJALA)					7.0
Sursen Dang	Sahay Dang	Sole	Gurundia	7077681 909		21 ⁰ 56' 45.6" N	84 ⁰ 33' 24.8" E	yes	Urea-10 DAP-86 MOP-34		OBG- 17 (UJALA)					6.7
Monaj Mirdha	Anam Mirdha	Sole	Gurundia	8653905 25		21 ⁰ 56' 12.8" N	84 ⁰ 33' 34.7" E	yes	Urea-9 DAP-85 MOP-32		OBG- 17 (UJALA)					6.2
Yakub Herenj	Patras Herenj	Sole	Gurundia			21 ⁰ 56' 26.8" N	84 ⁰ 33' 44.9" E	yes	Urea-9 DAP-87 MOP-33		OBG- 17 (UJALA)					5.8
Prakash Herenj	Kamil Herenj	Sole	Gurundia	9777486 104		21 ⁰ 56' 55.8" N	84 ⁰ 33' 25.6" E	yes	Urea-8 DAP-87 MOP-34		OBG- 17 (UJALA)					6.9
Mehandra Kujur	Chereng a Kujur	Sole	Gurundia	9777048 210		21 ⁰ 56' 39.1" N	84 ⁰ 33' 19.6" E	yes	Urea-10 DAP-85 MOP-33		OBG- 17 (UJALA)					5.9
Ganesh Singh	Karam Singh	Sole	Gurundia	9178548 724		21 ⁰ 56' 10.5" N	84 ⁰ 33' 40.6" E	yes	Urea-11 DAP-84 MOP-32		OBG- 17 (UJALA)					6.7
Anam Mirdha	Mohan Mirdha	Sole	Gurundia	9963909 233		21 ⁰ 56' 42.1" N	84 ⁰ 33' 23.6" E	yes	Urea-8 DAP-84 MOP-31		OBG- 17 (UJALA)					7.0
Magdali Dang	Ilia Jar	Sole	Gurundia			21 ⁰ 56' 13.8" N	84 ⁰ 33' 39.4" E	yes	Urea-12 DAP-84 MOP-31		OBG- 17 (UJALA)					6.7
Sunil Barla	Anjulus Barla	Sole	Gurundia	9178068 490		21 ⁰ 56' 27.8" N	84 ⁰ 33' 40.9" E	yes	Urea-10 DAP-88 MOP-34		OBG- 17 (UJALA)					7.0
Renu Prakash Kalo	Taranisen Kalo	Sole	Gurundia	9668783 447		21 ⁰ 56' 41.8" N	84 ⁰ 33' 17.6" E	yes	Urea-9 DAP-85 MOP-33		OBG- 17 (UJALA)					6.6

Manasi Bhol
13/12/18

Signature of Head of Organization

Signature of Sr. Scientist & Head