

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

FORMAT KVK WISE

1. Name of KVK: Sundargarh-II

3. 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	Field pea	Desi Matara	11.0	8.45	7.38	13	<ul style="list-style-type: none"> ➤ Seed rate-50 kg/Ha ➤ Seed treatment-with Bavistin @2g/kg of seed ➤ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➤ Line sowing 30X10 cm ➤ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➤ Application of Triazophos @ 2ml/lite for control of Pea weevil. 	85	20	16.5	10.8	14.5	8.45	7.38	12

							<ul style="list-style-type: none"> ➤ Application of M-45 @2g/litre for control of leaf spot ➤ Application of Imidacloprid @0.4 ml/litre to control sucking pest attack . 								
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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	<ul style="list-style-type: none"> ➤ Seed rate-50 kg/Ha ➤ Seed treatment-with Bavistin @2g/kg of seed ➤ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➤ Line sowing 30X10 cm ➤ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➤ Application of Triazophos @ 2ml/lite for control of Pea weevil. ➤ Application of M-45 @2g/litre for control of leaf spot ➤ Application of Imidacloprid @0.4 ml/litre to control sucking pest attack . 	24500	39600	15100	1.61	27400	52200	24800	1.90

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	Field pea Prakash	29000 kg	310kg/household	Rs 50/kg	2650 kg	26350 kg	House hold expenses	64

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	<ul style="list-style-type: none"> ➤ Seed rate-50 kg/Ha ➤ Seed treatment-with Bavistin @2g/kg of seed ➤ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➤ Line sowing 30X10 cm ➤ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➤ Application of Triazophos @ 2ml/lite for control of Pea weevil. ➤ Application of M-45 @2g/litre for control 	Very much suitable to their farming system	Technology like Variety ,and seed treatment and line sowing are very much appreciated by farmer	Yes they can afford the technology in future	No	Yes	Short duration high yielding variety will be more promising.

	of leaf spot ➤ Application of Imidacloprid @0.4 ml/litre to control sucking pest attack .						
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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 this agro ecological situation	Average performance	Variety Prakash is highly appreciated for its germination and yield , which is better than their existing variety
Seed treatment & seed inoculation	Soil borne, seed borne disease controlled	Incidence of Diseases	Disease in Field pea could be minimized by seed treatment.
Sucking pest management	Mosaic disease controlled	Sucking pest infestation is there	Sucking pest damage could 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	3.11.17	20
2	Input distribution, Field visit	20.11.17	60
3	Training & field visit	27.11.17	50
4	Field visit	12.12.17	18
5	Field visit	16.12.17	15
6	Field visit	12.01.18	16
7	Field visit	29.01.18	11
8	Field visit	24.02.18	15
9	Field day	08.03.18	50

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

Farmers' training photographs



Different Crop Stages





Different Crop Stages



Field Day



10. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Field pea	i) Critical input	35000	123954	-88954
	ii) TA/DA/POL etc. for monitoring	0	9616	-9616
	iii) Extension Activities (Field day)	0	6750	-6750
	iv)Publication of literature	0		
	Total	35000	140320	-105320 (adjusted from KVK contingency)

Report for Cluster Demonstration of Pulses & Oilseeds, 2017-18

Name of KVK: KVK Sundargarh II

Farmer Details:

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	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Changa Oram	w/o-Sagar Oram	Khatan kudar, Udsu, Bisra	Bisra	9438193090		22° 16' 54.5"	84° 59' 26.1"	Yes	Urea-12 DAP-107 MOP-41	Seed rate-50 kg/Ha Seed treatment-with	PRAKASH	20			14.8	11.0 q/ha Average yield	31.8 %
Charoram	Bhade Oram	-do-	Bisra			22° 16' 45.4"	84° 59' 16.1"	Yes	Urea- 18 DAP-109 MOP- 40	Bavistin @2g/kg of seed Seed inoculation with Rhizobium @20g/kg of seed before sowing.		10			15.3		
Suka Oram	Chande Oram	-do-	Bisra	9437144145		22° 16' 34.3"	84° 59' 24.1"	Yes	Urea-11 DAP-110 MOP-40			20			14.1		
Punia Oram	Deva Oram	-do-	Bisra			22° 16' 27.5"	84° 59' 23.1"	Yes	Urea-12 DAP-107 MOP-41			10			13.5		
Soma Munda	Sukra Munda	-do-	Bisra			22° 16' 21.2"	84° 59' 19.1"	Yes	Urea-16 DAP-108 MOP-41	Line sowing		10			14.2		
Bhada Oram	Chada Oram	-do-	Bisra	9668566305		22° 16' 15.5"	84° 59' 18.1"	Yes	Urea-12 DAP-107 MOP-41	Application of		10			14.1		
Hansa Oram	Bandhna Oram	-do-	Bisra			22° 16' 11.5"	84° 59' 16.7"	Yes	Urea- 18 DAP-109 MOP- 40	weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing.		10			14.4		
Birasi Oram	Rusu Oram	-do-	Bisra			22° 16' 6.5"	84° 59' 14.5"	Yes	Urea-11 DAP-110 MOP-40			10			16.2		
Madi Oram	Dewa Oram	-do-	Bisra	8895434914		22° 16' 2.8"	84° 59' 19.1"	Yes	Urea-12 DAP-107 MOP-41	Application of Triazophos		20			16		

Jouni Oram	Birsa oram	-do-	Bisra			22 ⁰ 16' 5.5"	84 ⁰ 59' 21.1"	Yes	Urea-16 DAP-108 MOP-41	@ 2ml/lite for control of Pea weevil. Application of M-45 @2g/litre for control of leaf spot Application of Imidacloprid @0.4 ml/litre to control sucking pest attack .	10			10.8		
Jogeswar Oram	Danu Oram	-do-	Bisra	94394 36516		22 ⁰ 16' 8.2"	84 ⁰ 59' 22.1"	Yes	Urea-12 DAP-107 MOP-41		10			14.3		
Ratha Goud	Baidhara Goud	-do-	Bisra			22 ⁰ 16' 10.5"	84 ⁰ 59' 25.1"	Yes	Urea-12 DAP-107 MOP-41		10			14.1		
Jema Munda	Sau Munda	-do-	Bisra			22 ⁰ 16' 13.2"	84 ⁰ 59' 26.7"	Yes	Urea-12 DAP-107 MOP-41		10			12.7		
Sabitree Oram	Dhusa Oram	-do-	Bisra	73269 14704		22 ⁰ 16' 14.9"	84 ⁰ 59' 27.4"	Yes	Urea- 18 DAP-109 MOP- 40		10			13.2		
Ashrita Oram	Chamra Kerketta	-do-	Bisra	87639 45580		22 ⁰ 16' 17.5"	84 ⁰ 59' 24.1"	Yes	Urea-16 DAP-108 MOP-41		10			14.8		
Chari Oram	Kala Oram	-do-	Bisra	87631 54211		22 ⁰ 16' 16.1"	84 ⁰ 59' 23.3"	Yes	Urea-11 DAP-110 MOP-40		20			14.6		
Dumuni oram	Mangru Oram	-do-	Bisra			22 ⁰ 16' 15.7"	84 ⁰ 59' 26.4"	Yes	Urea-12 DAP-107 MOP-41		10			13.8		
Tita Oram	Bhua Oram	-do-	Bisra			22 ⁰ 16' 20.3"	84 ⁰ 59' 22.5"	Yes	Urea-12 DAP-107 MOP-41		10			12.9		
Mangri Xaxa	Sona Oram	-do-	Bisra	70778 11985		22 ⁰ 16' 24.5"	84 ⁰ 59' 19.1"	Yes	Urea-16 DAP-108 MOP-41		10			16.2		
Mati Oram	Kuanr Oram	-do-	Bisra			22 ⁰ 16' 23.8"	84 ⁰ 59' 21.7"	Yes	Urea- 18 DAP-109 MOP- 40		10			14.7		
Pahlo Oram	Eto Oram	-do-	Bisra			22 ⁰ 16' 24.5"	84 ⁰ 59' 22.6"	Yes	Urea-11 DAP-110 MOP-40		10			14.2		
Dhania Oram	Ganduru Oram	-do-	Bisra			22 ⁰ 16' 26.9"	84 ⁰ 59' 23.1"	Yes	Urea-12 DAP-107 MOP-41		10			14.8		
Duli Munda	Budhu Munda	-do-	Bisra			22 ⁰ 16' 25.5"	84 ⁰ 59'	Yes	Urea-12 DAP-107	10			15.3			

						24.6"		MOP-41								
Jauni Oram	Karia Oram	-do-	Bisra			22 ⁰ 16' 27.2"	84 ⁰ 59' 25.4"	Yes	Urea-12 DAP-107 MOP-41		20			15.2		
Sasmita Oram	Sadho Oram	-do-	Bisra			22 ⁰ 16' 29.1"	84 ⁰ 59' 26.3"	Yes	Urea-16 DAP-108 MOP-41		10			14.7		
Sila Oram	Sukra Oram	-do-	Bisra			22 ⁰ 16' 29.9"	84 ⁰ 59' 26.8"	Yes	Urea-11 DAP-110 MOP-40		10			13.9		
Suka Munda	Birsa Munda	-do-	Bisra			22 ⁰ 16' 30.5"	84 ⁰ 59' 19.1"	Yes	Urea-12 DAP-107 MOP-41		10			13.2		
Sukhu Oram	Deva Oram	-do-	Bisra	94392 79382		22 ⁰ 16' 31.5"	84 ⁰ 59' 19.7"	Yes	Urea-12 DAP-107 MOP-41		10			16.2		
Sumitra Oram	Sushan Munda	-do-	Bisra			22 ⁰ 16' 32.3"	84 ⁰ 59' 18.1"	Yes	Urea-12 DAP-107 MOP-41		20			13.8		
Kaeri oram	Kalha Oram	-do-	Bisra			22 ⁰ 16' 32.4"	84 ⁰ 59' 16.9"	Yes	Urea- 18 DAP-109 MOP- 40		10			13.7		
Dhania Munda	Chunda Oram	-do-	Bisra			22 ⁰ 16' 32.9"	84 ⁰ 59' 16.1"	Yes	Urea-12 DAP-107 MOP-41		10			15.2		
Champ u Oram	Manga Oram	-do-	Bisra	94390 74408		22 ⁰ 16' 33.4"	84 ⁰ 59' 14.2"	Yes	Urea-16 DAP-108 MOP-41		10			14.8		
Nauri Oram	Soma Oram	-do-	Bisra			22 ⁰ 16' 34.5"	84 ⁰ 59' 15.7"	Yes	Urea-12 DAP-107 MOP-41		10			14.1		
Budhun i Mundar i	Sukra Mundari	-do-	Bisra			22 ⁰ 16' 34.9"	84 ⁰ 59' 15.3"	Yes	Urea-12 DAP-107 MOP-41		10			14.9		
Birsha Oram	Danu Oram	-do-	Bisra			22 ⁰ 16' 35.5"	84 ⁰ 59' 16.7"	Yes	Urea-11 DAP-110 MOP-40		10			15.2		
Dasami Oram	Pancham Ekka	-do-	Bisra	86588 47920		22 ⁰ 16' 32.3"	84 ⁰ 59' 29.1"	Yes	Urea- 18 DAP-109 MOP- 40		10			16.3		

Sukra Munda	Etua Munda	-do-	Bisra			22 ⁰ 16' 31.8"	84 ⁰ 59' 29.6"	Yes	Urea-16 DAP-108 MOP-41			10			13.4		
Biranga Oram	Rama Oram	-do-	Bisra	86587 85726		22 ⁰ 16' 31.1"	84 ⁰ 59' 28.7"	Yes	Urea-12 DAP-107 MOP-41			10			14.3		
Birsa Oram	Pauda Oram	-do-	Bisra			22 ⁰ 16' 36.3"	84 ⁰ 59' 29.5"	Yes	Urea-12 DAP-107 MOP-41			10			14.8		
Budu Oram	Bandhna Oram	-do-	Bisra			22 ⁰ 16' 38.5"	84 ⁰ 59' 30.1"	Yes	Urea-16 DAP-108 MOP-41			20			15.2		
Gulapi Munda	Samra Munda	-do-	Bisra			22 ⁰ 16' 39.2"	84 ⁰ 59' 32.6"	Yes	Urea-11 DAP-110 MOP-40			10			14.9		
Punia Oram	Maka Oram	-do-	Bisra			22 ⁰ 16' 37.3"	84 ⁰ 59' 32.9"	Yes	Urea-16 DAP-108 MOP-41			10			14.1		
Rama Oram	Timbu Oram	-do-	Bisra			22 ⁰ 16' 38.7"	84 ⁰ 59' 34.1"	Yes	Urea-12 DAP-107 MOP-41			10			15.2		
Nauri Oram	Lohra Oram	-do-	Bisra			22 ⁰ 16' 39.5"	84 ⁰ 59' 34.8"	Yes	Urea-12 DAP-107 MOP-41			10			15.6		
Chilagi Oram	Ratnu Oram	-do-	Bisra			22 ⁰ 16' 40.3"	84 ⁰ 59' 33.7"	Yes	Urea-11 DAP-110 MOP-40			10			14.7		
Suna Oram	Majhia Oram	-do-	Bisra			22 ⁰ 16' 41.5" 84 ⁰ 59' 33.0"	22 ⁰ 16' 41.5" 84 ⁰ 59' 33.0"	Yes	Urea- 18 DAP-109 MOP- 40			20			14.5		
Kuni Munda	Hira Munda	-do-	Bisra			22 ⁰ 16' 40.3"	84 ⁰ 59' 36.5"	Yes	Urea-16 DAP-108 MOP-41			10			14.6		
Mahindra Oram	Thipei Oram	-do-	Bisra			22 ⁰ 16' 39.4"	84 ⁰ 59' 38.7"	Yes	Urea-12 DAP-107 MOP-41			20			15.2		
Chari Munda	Lachho Munda	-do-	Bisra			22 ⁰ 16' 36.5"	84 ⁰ 59' 41.3"	Yes	Urea-12 DAP-107 MOP-41			10			14.6		
Manoj	Manga	-do-	Bisra			22 ⁰ 16' 36.9"	84 ⁰ 59'	Yes	Urea-11			10			14.8		

Oram	Oram					41.8"		DAP-110 MOP-40								
Bharathi Mahato	Sisu Mahato	-do-	Bisra	70774 15857		22° 16' 35.2" 84° 59' 42.1"	22° 16' 35.2" 84° 59' 42.1"	Yes	Urea-12 DAP-107 MOP-41		10			14.9		
Sanjeeb Gope	Bandhu Gope	-do-	Bisra			22° 16' 35.9"	84° 59' 42.7"	Yes	Urea-16 DAP-108 MOP-41		10			15.2		
Mangru Gope	Sridhar Gope	-do-	Bisra			22° 16' 36.5"	84° 59' 43.1"	Yes	Urea-11 DAP-110 MOP-40		20			15.5		
Ramdeo Mahato	Ram Mahato	-do-	Bisra	78941 23021		22° 16' 37.5"	84° 59' 43.6"	Yes	Urea-12 DAP-107 MOP-41		10			14.8		
Mahesh Gope	Juru Gope	-do-	Bisra			22° 16' 37.9"	84° 59' 43.0"	Yes	Urea-12 DAP-107 MOP-41		20			16.5		
Bhadrolchan Mahato	Ram Ch. Mahato	-do-	Bisra	77499 28334		22° 16' 43.5"	84° 59' 39.1"	Yes	Urea- 18 DAP-109 MOP- 40		10			16.1		
Bharati Gope	Laxmidhar Gope	-do-	Bisra			22° 16' 44.5"	84° 59' 39.8"	Yes	Urea-12 DAP-107 MOP-41		10			14.4		
Debnith Mahato	Ramchandra Mahato	-do-	Bisra			22° 16' 43.5"	84° 59' 38.2"	Yes	Urea-12 DAP-107 MOP-41		10			14.2		
Dukhu Gope	Bihari Gope	-do-	Bisra			22° 16' 45.5"	84° 59' 40.2"	Yes	Urea-12 DAP-107 MOP-41		10			13.8		
Sahadev Gope	Bihari Gope	-do-	Bisra	889509 7933		22° 16' 45.9"	84° 59' 16.1"	Yes	Urea- 18 DAP-109 MOP- 40		10			13.3		
Kalsar Mahato	Jainath Mahato	-do-	Bisra			22° 16' 46.1"	84° 59' 16.7"	Yes	Urea-12 DAP-107 MOP-41		10			14.3		
Sunil Naik	Daguru Naik	Putrikh aman, Putrikh aman,	Kuanr munda	801805 4105		22° 16' 46.5"	84° 59' 16.4"	Yes	Urea-11 DAP-110 MOP-40		10			14.3		

Sukhdev Rana	Sudarshan Rana	-do-	-do-			22 ⁰ 16' 46.9"	84 ⁰ 59' 15.1"	Yes	Urea-12 DAP-107 MOP-41			20			13.8		
Dubraj Rana	Jugal Rana	-do-	-do-			22 ⁰ 16' 47.3"	84 ⁰ 59' 15.8"	Yes	Urea-12 DAP-107 MOP-41			10			14.1		
Mahesh Nath	Mulu Nath	-do-	-do-	78942 31031		22 ⁰ 16' 48.1"	84 ⁰ 59' 14.7"	Yes	Urea-16 DAP-108 MOP-41			10			14.9		
Sukhdev Naik	Aghanu Naik	-do-	-do-			22 ⁰ 16' 48.5"	84 ⁰ 59' 14.2"	Yes	Urea- 18 DAP-109 MOP- 40			10			15.3		
Bimal Naik	Sukhu Naik	-do-	-do-			22 ⁰ 16' 48.9"	84 ⁰ 59' 16.1"	Yes	Urea-11 DAP-110 MOP-40			10			13.8		
Gregory Kulu	Rimis Kullu	-do-	-do-			22 ⁰ 16' 44.5"	84 ⁰ 59' 19.3"	Yes	Urea-12 DAP-107 MOP-41			10			13.7		
Indra Naik	Daharu Naik	-do-	-do-	907809 0808		22 ⁰ 16' 42.5"	84 ⁰ 59' 19.8"	Yes	Urea-12 DAP-107 MOP-41			10			12.9		
Laxmi Goud	w/o Madhusudan Goud	-do-	-do-			22 ⁰ 16' 51.5"	84 ⁰ 59' 11.4"	Yes	Urea-11 DAP-110 MOP-40			10			13.5		
Dubraj Naik	Tirtha Naik	-do-	-do-	966802 5049		22 ⁰ 16' 52.0"	84 ⁰ 59' 11.9"	Yes	Urea-12 DAP-107 MOP-41			10			14.7		
Sunil Rana	Fagu Rana	-do-	-do-			22 ⁰ 16' 52.7"	84 ⁰ 59' 10.8"	Yes	Urea-16 DAP-108 MOP-41			10			13.8		
Samra Majhi	Sukru Majhi	-do-	-do-	993812 9175		22 ⁰ 16' 53.5"	84 ⁰ 59' 11.1"	Yes	Urea-12 DAP-107 MOP-41			10			16.1		
Fakir Rana	Basudev Rana	-do-	-do-			22 ⁰ 20' 9.5"	84 ⁰ 47' 20.9"	Yes	Urea-11 DAP-110 MOP-40			10			14.7		
Padmabati Naik	Sitil Pradhan	-do-	-do-			22 ⁰ 20' 11.5"	84 ⁰ 47' 21.2"	Yes	Urea- 18 DAP-109 MOP- 40			10			13.2		

Sadhu Nath	Deosin Nath	-do-	-do-	955662 1559		22° 20' 13.7"	84° 47' 21.8"	Yes	Urea-16 DAP-108 MOP-41		20			15.2		
Silanan d Xalxo	Phuljem s Xalxo	-do-	-do-			22° 20' 14.4"	84° 47' 21.6"	Yes	Urea-12 DAP-107 MOP-41		10			14.4		
Tirtha Naik	Sukhu Naik	-do-	-do-			22° 20' 19.1"	84° 47' 20.3"	Yes	Urea-11 DAP-110 MOP-40		10			13.9		
Jugal Rana	Baisakh u Rana	-do-	-do-			22° 20' 19.9"	84° 47' 21.9"	Yes	Urea- 18 DAP-109 MOP- 40		10			14.1		
Narabat i Naik	Puran Naik	-do-	-do-			22° 20' 21.5"	84° 47' 22.9"	Yes	Urea-12 DAP-107 MOP-41		10			13.8		
Khsetra Kalo	Gujagar kalo	-do-	-do-			22° 20' 22.1"	84° 47' 23.3"	Yes	Urea- 18 DAP-109 MOP- 40		10			14.6		
Jai Rana	Phagu Rana	-do-	-do-			22° 20' 22.5"	84° 47' 20.1"	Yes	Urea- 18 DAP-109 MOP- 40		10			13.9		
Radhu Nath	Deosing Nath	-do-	-do-	768100 2433		22° 20' 23.2"	84° 47' 19.7"	Yes	Urea- 18 DAP-109 MOP- 40		20			15.3		
Rajendr a Naik	Sukhu Naik	-do-	-do-			22° 20' 23.5"	84° 47' 18.9"	Yes	Urea-12 DAP-107 MOP-41		10			15.8		
Rohit Naik	Birsu Naik	-do-	-do-	775002 4753		22° 20' 24.4"	84° 47' 18.3"	Yes	Urea-11 DAP-110 MOP-40		10			13.9		

Signature of Head of Organization

Signature of Sr. Scientist & Head