

**REPORT
ON
OILSEED AND PULSES**

(2012-13)



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Set TOT - 1

Seasonal report of KVK Angul on oilseed/pulse demonstrations KHARIF-PULSE-ARHAR

Table 1: Average yield and cost particulars of demonstration and local check plots

District: Angul

Season: Kharif

Year: 2012

Average District yield of previous year (Preferably current year): 5.5 q/ha.

S. No	Name of crop	Variety	Farmers (no.)	Area (ha)	Av. Yield (q/ha)			Increase in yield (%)	Cost of cash input (Rs)		Remarks
					Highest	Demonstration	Local check		Demonstration	Local check	
RAINFED											
1	Arhar	ICPL-87119 (Asha)	06	2.0	16.3	15.8	11.7	35.0	16,600	10,450	Crop harvested

Table 2: Details of Extension activities

Districts: Angul

Season: Kharif

Year: 2012

S. No.	Activities	No. of Programmes	No. of Participants			
			Male	Female	SC/ST	TOTAL
1.	Training Programme - For farmers	1	25	-	1	25
2.	Field days	-	-	-	-	-
3.	Farmers' Conventions	2	12	5	1	17
4.	Radio talk/ Television programme	-	-	-	-	-
5.	Leaflet published	1	-	-	-	25 copies

Table 3: Weather data during the crop season

Districts : Angul

Season : Kharif

Year : 2012

Location of the weather station: Collectorate, Angul

S.No	Meteorological week	Rainfall (mm)	No. of rainy days	Any other like			Remarks
				Max. Temp	Min. Temp	Humidity	
1	June	121.08	20	NA	NA	NA	Crop received optimum water
2	July	134.6	24				
3	August	100.2	30	NA	NA	NA	
4	September	98.0	16	NA	NA	NA	
5	October	12.88	8	NA	NA	NA	
6	November	Nil	Nil	NA	NA	NA	
7	December	4.0	1	NA	NA	NA	

Table 4: Consolidated reports about farming situation of demonstration plotAgro-climatic Zone: Mid Central Table Land District: Angul Crop: Arhar

Village	No. of farmer	Type of Farming Situation					Remarks
		Source of irrigation	Soil Type	Previous Crop	Sowing time	Harvesting Time	
Barasingha Block: Banarpal	06	Rainfed	Sandy loam	Fallow	4 th week of June	Last week of December	Harvesting completed

Soil Status :

Village	PH	EC(dsm per sq.m)	OC (%)	N(Kg/ha)	P(Kg/ha)	K(Kg/ha)
Barasingha	5.5	0.12	0.51	262	9.5	170

Appendix—1**Critical inputs supplied under demonstration**

State: Orissa Crop: Arhar

Area: 2.0 ha

Av. Yield (q/ha): 15.8

Name of District	Farming situation	Critical inputs demonstrated
Angul	Rainfed	DAP,PP Chemicals(Triazophus)

Appendix-2**Feed back/Suggestions****For future research:** Short height variety with less duration of ICPL 87119 needs to be evolved**For developments departments:** Popularization of the variety in scientific manner**For policy considerations:** Seeds of ICPL 87119 may be supplied to the farmer at subsidized rate.**Any serious constraints in implementation of the programme:**

1. Non-availability of seed(Farmers arranged the input)
2. Vulnerability of arhar to number of insect pest compared to other crops also hindered the programme.

Details of fund utilized during the period under report

Particulars	Amount Booked & utilized	Balance	Remarks
1.Inputs	2900/-	-	Expenditure has been made from the office contingency
2.Extension Activities	1600/-		
3.TA/DA/POL etc.	-		

Set TOT-2

General Information:

1. Type of farmer	:	Marginal
2. Year	:	2012
3. Season	:	Kharif
4. District	:	Angul
5. Village	:	Barasingha
6. Crop	:	Arhar
7. Variety	:	ICPL-87-119
8. Farming situation	:	Rainfed upland
• Previous crop grown	:	Fallow
• Source of irrigation	:	Rainfed
• Soil type	:	Sandy loam
9. Quantity of Organic manure used (q/ha)	:	0.5 t
10. Avg. Rate at which produce was sold (Rs/q)	:	Rs. 4000/q

Beneficiary Details:

Sl.No.	Name	Area(ac)	Sowing time	Harvest time	Yield(q/ha)	
					F.P	R.P
1.	Phakira mohan Sahu	1.5	22.06.12	27.12.12	12.4	16.3
2.	Gagan Sahu	1.0	24.06.12	29.12.12	12.0	15.8
3.	Dwari Sahu	0.5	28.06.12	30.12.12	10.8	15.1
4.	Prasanna Sahu	0.5	23.06.12	26.12.12	11.7	16.0
5.	Arata Sahu	0.5	25.06.12	28.12.12	11.2	15.4
6.	Bilas Sahu	1.0	27.06.12	30.12.12	12.1	16.2

Result:

Yield	Maximum(q/ha)	Minimum(q/ha)	Average(q/ha)	Increase (%)
R.P	16.3	15.1	15.8	35.0
L.C	12.4	10.8	11.7	

Input Details:

S. No.	Cash inputs	Supplied by the centre		Invested by the farmer	
		Quantity/ha	Cost (Rs./ha)	Quantity/ha	Cost (Rs./ha)
1.	Seed	-	-	15 kg	1050/-
2.	Seed treatment (Rhizobium)	-	-	0.5 kg	50/-
3.	Fertilizers (a) DAP (b) MOP	1.0 q	1044/-	2.0 1.5	-
4.	Pesticides/Fungicides (a) Triazophus	750ml	360/-	-	-
5.	Herbicide(Butachlor)			500 ml	400/-
6.	Any other inputs* FYM			5 q	500/-

15. Any serious pest /disease problem during the year : Pod borer infestation

16. Any other relevant information : No.

Set TOT-3

Identification of critical inputs for demonstrations on oilseed/pulse crops.

District: Angul

Crop : Arhar

Farming Situation: Rainfed

Sl. No	Item	Recomm-ended practice	Existing practice	Gap in adoption (3-4)	Proposed quantity (kg/ha)	Critical inputs cost (Rs/ha)	Remarks
1	2	3	4	5	6	7	
A	Variety	ICPL-87119	UPAS-120	Partial	-	-	
B	Seed rate (kg/ha)	20	15	5	20	1600/-	
C	Seed treatment (Yes/No)	Rhizobium @ 20 g/kg of seed	-	Full	400 gm	50/-	
D	Fertilizer (NPK – kg/ha) - N - P - K	20 40 40	5 10	Partial	20 40 40	1500/-	
E	F. No. of dusting/ sprayings for pests/diseases/weed	Two spray of monocrotophus One spray of triazophus	No spray	Partial	2 1	796 375	
F	Sowing implement	Seed drill	Nil	Full	1	To be hired	
G	Any other (specify) FYM	20 q / ha	5 q/ha	Full	20 q	2000/-	

PHOTO FEATURES



Standing Crop of Arhar



Training programme in the village



Interaction with farmers



Harvest stage of the crop



Crop cutting

Set TOT - 1

Seasonal Report of KVK Angul on oilseed/pulse demonstrations

KHARIF -OILSEED-GROUNDNUT

Table 1: Average yield and cost particulars of demonstration and local check plots

District: Angul

Season: Kharif

Year: 2012

Average District yield of previous year (Preferably current year): 11.6 q/ha.

S. No	Name of crop	Variety	Farmers (no.)	Area (ha)	Av. Yield (q/ha)			Increase in yield (%)	Cost of cash input (Rs)		Remarks
					Highest	Demonstration	Local check		Demonstration	Local check	
Rainfed											
1	Groundnut	OG 52-1 (Smruti)	10	5.0	21.8	20.5	15.2	34.8	26,350	22,430	Crop harvested

Table 2: Details of Extension activities

Districts: Angul

Season: Rabi

Year: 2012

S. No.	Activities	No. of Programmes	No. of Participants			
			Male	Female	SC/ST	TOTAL
1.	Training Programme - For farmers	2	38	12	-	50
2.	Field days	1	26	24	-	50
3.	Farmers' Conventions	1	15	5	-	20
4.	Radio talk	-	-	-	-	-
5.	Publication(leaflet)	1	-	-	-	25 copies

Table 3: Weather data during the crop season

Districts : Angul

Season : Kharif

Year : 2012

Location of the weather station: KVK campus, Angul

S.No	Meteorological week	Rainfall (mm)	No. of rainy days	Any other like			Remarks
				Max. Temp	Min. Temp	Humidity	
1	July'12	134.6	24				Crop received required amount of water
2	Aug'12	100.2	30	NA	NA	NA	
3	Sept'12	98.0	16	NA	NA	NA	
4	Oct'12	12.88	8	NA	NA	NA	

Table 4: Consolidated reports about farming situation of demonstration plotAgro-climatic Zone: Mid- Central Table Land District: Angul Crop: Groundnut

Village	No. of farmer	Type of Farming Situation					Remarks
		Source of irrigation	Soil Type	Previous Crop	Sowing time	Harvesting Time	
Icchapur Block: Kishorenagar	10	Rainfed	Sandy loam	Short duration paddy	2 nd week of July-2012	3 rd week of Oct'12	Good harvest

SOIL STATUS:

Village	PH	EC(dsm per sq.m)	OC(%)	N(Kg/ha)	P(Kg/ha)	K(Kg/ha)
Icchapur	5.2	0.11	0.58	273.9	10.0	167

Appendix—1**Critical inputs supplied under demonstration**

State: Orissa Crop: Groundnut

Area: 5.0 ha Production: Av. Yield (q/ha) : 11.6

S.No.	Name of District	Farming situation	Critical inputs demonstrated
1	Angul	Rain fed	Seed- 3.12 q,ST – Rhizobium(12.5kg),gypsum(100 kg),DAP-1.5q ,PP chemicals- Imidacholrpid

Appendix-2**Feed back/Suggestions****For future research** : Groundnut variety spreading type needs to be developed**For developments departments** : Popularization and spread of the variety needs to be facilitated.**For policy considerations** : Seeds of Smruti may be supplied to the farmer at subsidized rate.**Any serious constraints in implementation of the programme :**

Non-availability of specific fund for this purpose.

Details of fund utilize during the period under report

Particulars	Amount Booked & utilized	Balance	Remarks
1.Inputs	18,726/-	-	Expenditure has been made from the available contingency
2.Extension Activities	5250/-		
3.TA/DA/POL etc.	-		

Set TOT-2

General Information:

1. Type of farmer	:	Marginal
2. Year	:	2012
3. Season	:	Kharif
4. District	:	Angul
5. Village	:	Ichapur
6. Crop	:	Groundnut
7. Variety	:	OG-52-1(Smuti)
8. Farming situation	:	Rainfed medium land
• Previous crop grown	:	Paddy
• Source of irrigation	:	Rainfed
• Soil type	:	Sandy loam
9. Quantity of Organic manure used (q/ha)	:	20 q
10. Avg.Rate at which produce was sold (Rs/q) :		4200/-

Beneficiary Details:

Sl.No.	Name	Area(ha)	Sowing time	Harvest time	Yield(q/ha)	
					F.P	R.P
1.	Arun Kumar Sahu	0.5	12.7.12	24.10.12	14.1	21.2
2.	Taruna Sahu	1.0	12.7.12	25.10.12	16.0	20.5
3.	Markanda Sahu	0.5	13.7.12	24.10.12	14.8	19.8
4.	Hrudananda Sahu	1.0	14.7.12	27.10.12	15.7	19.6
5.	Susanta Sahu	0.5	15.7.12	28.10.12	15.2	20.2
6.	Khirod Dhal	0.25	18.7.12	24.10.12	14.5	21.0
7.	Anama Dehury	0.25	17.7.12	29.10.12	15.8	20.8
8.	Suresh Sahu	0.25	16.7.12	26.10.12	16.0	19.9
9.	Adhikari Sahu	0.25	17.7.12	27.10.12	14.9	21.8
10.	Subodh Pradahn	0.5	18.7.12	25.10.12	15.0	20.2

Result:

Yield	Maximum(q/ha)	Minimum(q/ha)	Average(q/ha)	Increase (%)
R.P	21.8	19.6	20.5	34.8
L.C	16.0	14.1	15.2	

Input Details:

S. No.	Cash inputs	Supplied by the centre		Invested by the farmer	
		Quantity/ha	Cost (Rs./ha)	Quantity/ha	Cost (Rs./ha)
1.	Seed	125kg	4950	125 kg	4150/-
2.	Seed treatment (Rhizobium)	2.5 kg	250/-	-	-
3.	Fertilizers				
	(a) DAP	0.6 q	1129.40/-	1.5	1500/-
	(b) MOP	0.3 q	352.56		
4.	Pesticides/Fungicides				
	Hexaconazole			75 ml.	150/-
	Imidachlorpid				
5.	Herbicide			-	-
6.	Any other inputs*				
	Gypsum	200 kg	320/-	-	-

15. Any serious pest /disease problem during the year : No

16. Any other relevant information may also be : Spraying of Zinc sulphate gives good result collected depending on the

Set TOT-3

Identification of critical inputs for demonstrations on oilseed/pulse crops.

District: Angul

Crop : Groundnut

Farming Situation: Irrigated

S No	Item	Recomm- ended practice	Existing practice	Gap in adoption (3-4)	Proposed quantity (kg/ha)	Critical inputs cost (Rs/ha)	Remarks
1	2	3	4	5	6	7	
A	Variety	Smruti	AK 12-24	Partial	90	3960	
B	Seed rate (kg/ha)	125	75	50	90	3960	
C	Seed treatment (Yes/No)	Rhizobium @ 20 g/kg of seed	-	Full	60gm	24	
D	Fertilizer (NPK – kg/ha) - N - P - K	20 40 40	10 20 30	Partial	20 40 40	2000/-	
E	Micro-nutrients (kg/ha) - -	ZnSO ₄	-	Full	20-25	-	
F	F. No. of dusting/ sprayings for pests/diseases/weed - -	Two spray of hexaconazole One spray of imidachlorpi d	1 spray of endosulpha n	Partial	2 1.5	500/-	
G	Sowing implement	Inclined plate planter	Nil	Full	-	Not introduced	
H	Any other (specify) Gypsum	2.5q / ha	1 q/ha	Full	2.5q	400/-	

PHOTO FEATURES



Village level Training



Seed treating Demonstration



Spraying of PP chemicals



Weeding Operation



Field Day

Set TOT - 1

Seasonal report of each KVK, Angul on oilseed/pulse demonstrations

RABI-PULSE-GREEN GRAM

Table 1: Average yield and cost particulars of demonstration and local check plots

District: Angul

Season: Rabi

Year: 2012-13

Average District yield of previous year (Preferably current year): 1.73 q/ha.

S. No	Name of crop	Variety	Farmers (no.)	Area (ha)	Av. Yield (q/ha)			Increase in yield (%)	Cost of cash input (Rs)		Remarks
					Highest	Demonstration	Local check		Demonstration	Local check	
					Rainfed						
1	Green gram	K-851	15	5.0	9.6	8.5	5.9	44.00	16,000/-	10,000/-	Crop Harvested

Table 2: Details of Extension activities

Districts: Angul

Season: Rabi

Year: 2012-13

S. No.	Activities	No. of Programmes	No. of Participants			
			Male	Female	SC/ST	TOTAL
1.	Training Programme - For farmers	1	17	8	-	25
2.	Field day	1	23	7	-	30
3.	Farmers' Conventions	2	12	4	10	30
4.	Radio talk	-	-	-	-	-
5.	Leaflet published	1		-	-	25 copies

Table 3: Weather data during the crop season

Districts : Angul

Season : Rabi

Year : 2012-13

Location of the weather station: Collectorate, Angul

S.No	Meteorological week	Rainfall (mm)	No. of rainy days	Any other like			Remarks
				Max. Temp	Min. Temp	Humidity	
1	February	Nil	-	NA	NA	NA	Canal Irrigation
2	March	Nil	-	NA	NA	NA	
3	April	Nil	-	NA	NA	NA	
	Total	Nil	Nil	NA	NA	NA	

Table 4:

Consolidated reports about farming situation of demonstration plot

Agro-climatic Zone: Mid Central Table Land District: Angul Crop: Greengram

Village	No. of farmer	Type of Farming Situation					Remarks
		Source of irrigation	Soil Type	Previous Crop	Sowing time	Harvesting Time	
Simulichuin, Block:Banarpal	15	Irrigated	Sandy loam	Paddy	1 st week of February	2 nd week of April	Crop harvested

Soil Status:

Village	PH	EC(dsm per sq.m)	OC(%)	N(Kg/ha)	P(Kg/ha)	K(Kg/ha)
Simulichuin	5.7	0.11	0.60	277	10.1	169

Appendix—1**Critical inputs supplied under demonstration**

State: Orissa Crop: Green gram

Area: 5.0 ha

Av. Yield (q/ha): 9.5

Sl.No.	Name of District	Farming situation	Critical inputs demonstrated
1.	Angul	Irrigated	Seeds : K-851(125 Kg), Fertilizer-2.0 q DAP,1.0 q MOP , PP chemicals

Appendix-2**Feed back/Suggestions****For future research** : YMV resistant variety needs to be released**For developments departments** : Popularization and spread of the variety needs to be facilitated and seed production programme to be taken up.**For policy considerations** : Seeds of K-851 may be supplied to the farmer at subsidized rate.**Any serious constraints in implementation of the programme:** Crop is vulnerable to water stress**Details of fund utilized during the period under report**

Particulars	Amount Booked & utilized	Balance	Remarks
1.Inputs	10,275/-	-	Expenditure has been made from the office contingency
2.Extension Activities	2250/-		
3.TA/DA/POL etc.	-		

Set TOT-2

General Information:

1. Type of farmer	:	Marginal
2. Year	:	2012-13
3. Season	:	Rabi
4. District	:	Angul
5. Village	:	Simulichuin
6. Crop	:	Green gram
7. Variety	:	K-851
8. Farming situation	:	Irrigated medium land
• Previous crop grown	:	Paddy
• Source of irrigation	:	L.I Point
• Soil type	:	Sandy loam
9. Quantity of Organic manure used (q/ha)	:	3.0 t/ha
10. Avg.Rate at which produce was sold (Rs/q)	:	Rs.4500/-

Beneficiary Details:

Sl. No	Name	Area(ac)	Sowing time	Harvest time	Yield(q/ha)	
					F.P	R.P
1.	Bidyadhar Dash	0.5	4.02.13	15.04.13	6.4	7.9
2.	Anusuya Pati	1.0	6.02.13	19.04.13	5.8	9.1
3.	Gagan bihari Dash	0.5	5.02.13	15.04.13	6.0	7.5
4.	Pabana Behera	1.0	4.02.13	15.04.13	6.1	8.0
5.	Kuntala Behera	0.5	7.02.13	19.04.13	5.9	9.0
6.	Manju Behera	0.5	5.02.13	17.04.13	6.3	8.5
7.	Surei Behera	0.5	4.02.13	19.04.13	5.5	8.8
8.	Janjali Behera	2.0	3.02.13	17.04.13	6.0	7.8
9.	Diptiranjana Dash	1.5	2.02.13	15.04.13	5.6	8.2
10.	Sonu Behera	0.5	4.02.13	14.04.13	5.9	9.0
11.	Uchava Behera	0.5	8.02.13	15.04.13	5.8	8.9
12.	Premlata Behera	1.0	9.02.13	16.04.13	6.1	7.4
13.	Rama Behera	0.5	10.02.13	15.04.13	5.6	9.1
14.	Jayanti Behera	1.5	9.02.13	16.04.13	5.9	8.2
15.	Pramila Dash	0.5	6.02.13	15.04.13	5.6	9.6

Result:

Yield	Maximum(q/ha)	Minimum(q/ha)	Average(q/ha)	Increase (%)
R.P	9.6	7.4	8.5	44.00
L.C	6.4	5.5	5.9	

Input Details:

S. No.	Cash inputs	Supplied by the centre		Invested by the farmer	
		Quantity/ha	Cost (Rs./ha)	Quantity/ha	Cost (Rs./ha)
1.	Seed	15	1455/-	-	-
2.	Seed treatment (Rhizobium)	-	-	250 gm	25/-
3.	Fertilizers (a) DAP (b) MOP	0.6 q 0.3 q	1129.40/- 352.56/-	-	-
4.	Pesticides/Fungicides (a) Imidachlorpid	75 ml	150/-		
5.	Herbicide(Butachlor)			500 ml	400/-
6.	Any other inputs* FYM			5 q	500/-

15. Any serious pest /disease problem during the year : leaf curl seen in few plants

16. Any other relevant information : No.

Identification of critical inputs for demonstrations on oilseed/pulse crops.

District: Angul

Crop : Green Gram

Farming situation : Irrigated

Sl. No	Item	Recomm- ended practice	Existing practice	Gap in adoption (3-4)	Proposed quantity (kg/ha)	Critical inputs cost (Rs/ha)	Remarks
A	Variety	K-851	Local	Partial	25		
B	Seed rate (kg/ha)	25	20	5	20		
C	Seed treatment (Yes/No)	Rhizobium @ 20 g/kg of seed	-	Full	400 gm	50/-	
D	Fertilizer (NPK – kg/ha)	20-40-20	0-5-10	Partial	20-40-40	1500/-	
E	Micro-nutrients (kg/ha) - -	Boron	-	Full	0.5 % spray twice	-	
F	F. No. of dusting/ sprayings for pests/diseases/weed	One spray of Imidachlorpid	-	Full	2	500	
G	Sowing implement	Seed drill	Nil	Full	1	To be hired	
H	Any other (specify) FYM	30 q / ha	10 q/ha	Full	20 q	2000/-	

PHOTO FEATURES



Beneficiaries at the plot



Crop bearing fruits



Weeding operation of green gram

Set TOT - 1

Seasonal Report of KVK Angul on oilseed/pulse demonstrations

RABI -OILSEED-GROUNDNUT

Table 1: Average yield and cost particulars of demonstration and local check plots

District: Angul

Season: Rabi

Year: 2012-13

Average District yield of previous year (Preferably current year): 11.6 q/ha.

S. No	Name of crop	Variety	Farmers (no.)	Area (ha)	Av. Yield (q/ha)			Increase in yield (%)	Cost of cash input (Rs)		Remarks
					Highest	Demonstration	Local check		Demonstration	Local check	
					Rainfed						
1	Groundnut	ICGV 91114 (Devi)	15	5.0	21.4	20.5	14.6	40.4	23,400	15,500	Crop harvested

Table 2: Details of Extension activities

Districts: Angul

Season: Rabi

Year: 2012-13

S. No.	Activities	No. of Programmes	No. of Participants			
			Male	Female	SC/ST	TOTAL
1.	Training Programme - For farmers	1	17	8	-	25
2.	Field days	-	-	-	-	-
3.	Farmers' Conventions	1	15	5	-	20
4.	Radio talk	-	-	-	-	-
5.	Publication(leaflet)	-	-	-	-	-

Table 3: Weather data during the crop season

Districts : Angul

Season : Rabi

Year : 2012-13

Location of the weather station: KVK campus, Angul

S.No	Meteorological week	Rainfall (mm)	No. of rainy days	Any other like			Remarks
				Max. Temp	Min. Temp	Humidity	
1	January'12	Nil	Nil				Canal Irrigation
2	February'12	Nil	Nil	NA	NA	NA	
3	March'12	Nil	Nil	NA	NA	NA	
4	April'12	Nil	Nil	NA	NA	NA	

Table 4: Consolidated reports about farming situation of demonstration plotAgro-climatic Zone: Mid- Central Table Land District: Angul Crop: Groundnut

Village	No. of farmer	Type of Farming Situation					Remarks
		Source of irrigation	Soil Type	Previous Crop	Sowing time	Harvesting Time	
Thelkonali Block:	15	Irrigated	Sandy loam	Short duration	1 st week of January-	4 th week of April	Crop harvested

SOIL STATUS:

Village	PH	EC(dsm per sq.m)	OC(%)	N(Kg/ha)	P(Kg/ha)	K(Kg/ha)
Thelkonali	5.6	0.09	0.66	294	10.2	184

Appendix—1**Critical inputs supplied under demonstration**

State: Orissa Crop: Groundnut

Area: 5.0 ha Production: Av. Yield (q/ha) : 11.6

S.No.	Name of District	Farming situation	Critical inputs demonstrated
1	Angul	Irrigated	Seed- 3.12 q,ST – Rhizobium(12.5kg),Weedicide(Imagethyper), DAP- 1.5q ,PP chemicals- Imidacholrpid,

Appendix-2**Feed back/Suggestions****For future research** : Groundnut variety spreading type needs to be developed**For developments departments** : Popularization and spread of the variety needs to be facilitated.**For policy considerations** : Seeds are procured from private parties since scarcity in the Government centres.**Any serious constraints in implementation of the programme** : Farmers delay sowing with expectation of good shower**Details of fund utilize during the period under report**

Particulars	Amount Booked & utilized	Balance	Remarks
1.Inputs	23,400/-	-	Expenditure has been made from the available contingency
2.Extension Activities	2000/-		
3.TA/DA/POL etc.	-		

Set TOT-2

General Information:

1. Type of farmer	:	Marginal
2. Year	:	2012-13
3. Season	:	Rabi
4. District	:	Angul
5. Village	:	Thelkonali
6. Crop	:	Groundnut
7. Variety	:	ICGV 91114(Devi)
8. Farming situation	:	Rainfed medium land
• Previous crop grown	:	Paddy
• Source of irrigation	:	Irrigated
• Soil type	:	Sandy loam
9. Quantity of Organic manure used (q/ha)	:	20q
10. Avg.Rate at which produce was sold (Rs/q)	:	Rs.4600/-

Beneficiary Details:

Sl. No	Name	Area(ac)	Sowing time	Harvest time	Yield(q/ha)	
					F.P	R.P
1.	Janmeyaja Sahu	0.6	4.1.13	27.4.13	15.0	19.8
2.	Karunakar Behera	1.0	5.1.13	27.4.13	14.4	21.1
3.	Bijaya Sahu	0.4	4.1.13	26.4.13	14.8	19.9
4.	Kuntala Naik	1.0	6.1.13	29.4.13	14.6	20.8
5.	Bhikari Sahu	0.5	5.1.13	28.4.13	14.2	20.2
6.	Mahadev Pradhan	0.5	4.1.13	29.4.13	14.4	20.4
7.	Banambar Majhi	1.5	7.1.13	01.5.13	14.7	19.9
8.	Ashok Sahu	0.25	4.1.13	02.5.13	14.9	20.5
9.	Ranjit Sahoo	0.4	8.1.13	03.5.13	14.3	21.2
10.	Pravati Sahoo	0.6	4.1.13	28.4.13	14.7	20.2
11.	Bhagaban Sahu	0.5	4.1.13	27.4.13	14.4	20.8
12.	Sanatan Majhi	1.25	5.1.13	03.5.13	14.2	19.9
13.	Anama Sahoo	1.5	7.1.13	27.4.13	15.0	20.6
14.	Anama Pradhan	1.5	8.1.13	26.4.13	14.6	21.1
15.	Jatindra Sahu	1.0	3.1.13	27.4.13	14.8	21.4

Result:

Yield	Maximum(q/ha)	Minimum(q/ha)	Average(q/ha)	Increase (%)
R.P	21.4	19.6	20.5	40.40
L.C	15.0	14.2	14.6	

Input Details:

S. No.	Cash inputs	Supplied by the centre		Invested by the farmer	
		Quantity/ha	Cost (Rs./ha)	Quantity/ha	Cost (Rs./ha)
1.	Seed	80kg	6560/-	75 kg	6250/-
2.	Seed treatment (Rhizobium)	2.5 kg	250/-	-	-
3.	Fertilizers (a) DAP (b) MOP	0.6 q 0.3 q	1129.40/- 352.56/-	1.0 q 1.0 q	1863/- 1176/-
4.	Pesticides/Fungicides Hexaconazole Imidachlorpid	-	-	300 ml 75 ml.	135/- 150/-
5.	Herbicide (Imagethyper)	-	-	400 ml	From ATMA
6.	Any other inputs* Gypsum	-	-	200 kg	320/-

15. Any serious pest /disease problem during the year : Leaf curl and dryness

16. Any other relevant information may also be collected depending on the situation : Weed need to be controlled with priority

Set TOT-3

Identification of critical inputs for demonstrations on oilseed/pulse crops.

District: Angul

Crop : Groundnut

Farming Situation: Irrigated

S No	Item	Recomm- ended practice	Existing practice	Gap in adoption (3-4)	Proposed quantity (kg/ha)	Critical inputs cost (Rs/ha)	Remarks
1	2	3	4	5	6	7	
A	Variety	Devi	AK 12- 24	Partial	90	3960	
B	Seed rate (kg/ha)	125	75	50	90	3960	
C	Seed treatment (Yes/No)	Rhizobium @ 20 g/kg of seed	-	Full	60gm	24	
D	Fertilizer (NPK – kg/ha) - N - P - K	20 40 40	10 20 30	Partial	20 40 40	2000/-	
E	Micro-nutrients (kg/ha)	ZnSO ₄	-	Full	20-25	-	
F	F. No. of dusting/ sprayings for pests/diseases/weed	One spray of imidachlorpid	-	Full	2 1.5	500/-	
G	Sowing implement	Inclined plate planter	Nil	Full	-	Not introduced	
H	Any other (specify) Gypsum	2.5q / ha	1 q/ha	Full	2.5q	400/-	

PHOTO FEATURES



Training programme



Demonstration plot with beneficiaries