

# PROGRESS REPORT

FRONT LINE DEMONSTRATION  
ON  
OILSEEDS AND PULSES

KHARIF 2009-10



JAWAHARLAL NEHRU KRISHI VISHVA VIDYALAYA  
KRISHI VIGYAN KENDRA, TIKAMGARH (M.P.)

# **Front Line demonstration on Oilseeds and Pulses**

**KHARIF 2009-10**

## **Oilseed**

**Soybean**

## **Constraints**

- 1) Broadcasting method of Sowing.
- 2) Old variety JS-335.
- 3) Imbalance use of fertilizer 9:23:0 NPK Kg/ha.
- 4) Indiscriminate use of weedicide and insecticides.

**Table-1 : Consolidated information on farming situation of demonstrations on SOYBEAN during Kharif 2009-10**

Type of farming situations										
Village	Block District	No.of farmers	Area	Source of irrigation	Soil type	Previous Crop sown	Time of Sowing	Time of harvesting	Critical inputs	Cost of inputs (Rs/ha)
Judawan	Tikamgarh	12	5	Rain fed	Clay loam, Sandy loam	Wheat Gram Mustard	30 June 2009 to Ist week of July 2009	3 <sup>rd</sup> Week of October 2009	Seed, fertilizer pesticide	7927

**Table-2 : Average yield and cost of particulars of demonstrations and local check plots of SOYBEAN during Kharif 2009-10.**

S. No.	Crop	Variety	No. of farmers	Area (ha)	Yield (q/ha)			Local check	% increase over local check	Cost of cash Inputs (Rs./ha)	
					Max.	Min.	Demos. Av.yield			Demos.	Local check
1	Soybean	JS – 93-05	12	5	16.00	12.00	14.04	6.77	107.38	7927	5368

**Table- 3 : Farmer wise consolidated farming situation of demonstrations of SOYBEAN during Kharif 2009-10.**

S.	Name of farmer with father's name	Area (ha)	Soil type	Previous crop grown	Sowing date	Harvesting date	Yield (q/ha)	
							Demo.	Local check
1-	Sh. Mohan Lal S/o Shivdin Chadar	0.4	Clay loam	Wheat	30-06-2009	12-10-2009	14.60	07.00
2-	Sh. Jagdish S/o Kishorilal Lodhi	0.4	Clay loam	Wheat	30-06-2009	12-10-2009	15.90	08.00
3-	Sh. Raghunath S/o Halkey lodhi	0.4	Sandy loam	Wheat	30-06-2009	14-10-2009	13.75	06.50
4-	Sh. Hardayal S/o Brijlal Lodhi	0.4	Clay loam	Gram	30-06-2009	15-10-2009	13.30	05.50
5-	Sh. Kamal S/o Brijlal Lodhi	0.4	Sandy loam	Gram	30-06-2009	21-10-2009	16.00	07.50
6-	Sh. Paramlal S/o Rajaram Lodhi	0.6	Sandy loam	Wheat	01-07-2009	15-10-2009	14.00	07.00
7-	Sh. Arjun S/o Rajaram Lodhi	0.4	Clay loam	Gram	01-07-2009	12-10-2009	12.00	07.25
8-	Sh. Nandram S/o Girdhari Lodhi	0.4	Clay loam	Gram	02-07-2009	13-10-2009	16.00	06.50
9-	Sh. Dayaram S/o Pyarelal lodhi	0.4	Clay loam	Mustard	02-07-2009	14-10-2009	13.00	05.00
10-	Sh. Baliram S/o Gorelal Lodhi	0.4	Clay loam	Mustard	03-07-2009	16-10-2009	12.50	06.00
11-	Sh. Harlal Lodhi S/o Bandu lodhi	0.4	Clay loam	Wheat	03-07-2009	19-10-2009	13.50	07.00
12-	Sh. Mohan S/o Laxman Visvakarma	0.4	Clay loam	Wheat	03-07-2009	20-10-2009	14.00	08.00
						<b>Mean</b>	<b>14.04</b>	<b>6.77</b>

**Table. 4. Quantity and cost of cash inputs used which are supplied by KVK and as well as purchased by farmers in SOYBEAN during Kharif 2009-10.**

S.No.	Name of inputs	Supplied by K.V.K.		Purchased by farmers		Total
		Qty /ha	Rate (Rs/ha)	Qty/ha	Cost (Rs/ha)	
<b>(A)</b>	<b>Demonstration</b>					
1-	Seed	75 kg	2016	-	-	2016
2-	Fertilizer	-	-	-	-	-
	i)DAP	125 Kg	1225	-	-	1225
	ii)SSP	125 Kg	418	-	-	418
	iii)MOP	20	128	-	-	128
	iv) Sulphur	-	-	30 Kg	1860	1860
3-	Bio fertilizer	-	-	-	-	-
	Rhizo/Azoto	2.5 Kg	100	-	-	100
	PSB	2.5 Kg	100	-	-	100
4-	Pesticide	-	-	-	-	-
1-	Weedicide (imazathypyr)	-	-	1 lit	1200	1200
2-	Fungicide	-	-	-	-	-
3-	Insecticide (Tryzophos)	-	-	2 lit	880	880
	<b>Total</b>	<b>-</b>	<b>3987</b>	<b>-</b>	<b>3940</b>	<b>7927</b>
<b>(B)</b>	<b>Local check</b>					
1-	Seed	-	-	100 kg	2688	2688
2-	Fertilizer	-	-	-	-	-
	DAP	-	-	100 kg	980	980
	Others : Weedicide	-	-	1 lit	1700	1700
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5368</b>	<b>5368</b>

## APPENDIX-1

Critical inputs supplied under demonstration

State : Madhya Pradesh

Crop : **Soybean**

Area : **05 ha**

Production :                      Average yield : **14.04**

S.No.	Name of District	Critical inputs demonstrated
<b>Farming situation:</b>	<b>Tikamgarh</b> <b>Irrigated</b> <b>Well/River</b>	Line Sowing, JS-93-05, 20:60:20:30 NPKS Kg/ha <i>Rizobi</i> + PSB @ 20 g/kg seed, deep summer ploughing + 1 spray of <i>Trizophos</i> at 40-45 DAS @ 1000ml/ha

## APPENDIX-2

Reaction of farmers about each critical input supplied under demonstration.

### **Feed back/Suggestions**

- For future research : There is need to develop varieties of having resistant to stem fly and gardle beetle.
- For developments departments : There is need to supply good quality of seed and fertilizer timely at village level.
- For policy considerations : There is need to develop a policy to get the attractive rate of their farm produce.

### **Any serious constraints in implementation of the programme.**

#### **Details of fund utilize during the period under report**

Particulars	Allotment	Booked & utilized	Balance	Remarks
1. Inputs	17,500	17,500	-	-
2. Extension Activities	2,500	2,500	-	-
3. TA/DA/POL etc.	3750	2,500	-	-
<b>TOTAL</b>	<b>23,750</b>			

# **Front Line demonstration on Oilseeds and Pulses**

**KHARIF 2009-10**

## **Pulses**

### **Black gram**

#### **Constraints**

- 1) Adoption of local varieties (T-9).
- 2) Non-adoption of weed control practices.
- 3) Use of imbalance fertilizer dose (4:11:0 NPK kg/ha).

**Table-1 : Consolidated information on farming situation of demonstration on BLACK GRAM during Kharif 2009-10.**

Type of farming situations									
Village	Block District	No.of farmers	Area (ha)	Source of irrigation	Soil type	Previous Crop grown	Time of sowing	Time of harvesting	Critical inputs
Judawan	Tikamgarh	12	5	Rain fed	Sandy loam Sandy gravely	Wheat Mustard Gram	05-07-2009 to 12-07-2009	13-09-2009 to 19-09-2009	Seed fertilizer
Simrakhurd	Palera								
Shivpuri	Tikamgarh								

**Table-2 : Average yield and cost of particulars of demonstrations and local check plots of BLACK GRAM during Kharif 2009-10.**

S. No.	Crop/Variety	No. of farmers	Area (ha)	Yield (q/ha)			Local check	% increase over local check	Cost of cash Inputs (Rs./ha)	
				Max.	Min.	Dem. Av. Yield			Demos.	Local check
1.	Blackgram Azad-1	12	5	8.20	5.57	6.98	3.04	129.60	4557	890



**Table-3 : Farmer wise consolidated farming situation of demonstrations of BLACKGRAM during kharif 2009-10.**

S. N.	Name of farmer with father's name	Area (ha)	Soil type	Previous crop grown	Sowing date	Harvesting date	Yield (q/ha)		Variety
							Demo.	Local check	
1	Sh. GangaramLodhi S/o – Dayaram Lodhi	0.4	Sandy loam	Wheat	11-07-2009	13-09-2009	08.20	03.75	Azad - 1
2	Sh. Bhagirath Pal S/o Girdhari Pal	0.4	Sandy loam	Wheat	10-07-2009	15-10-2009	06.30	02.50	Azad -1
3	Sh. Kishori Lal S/o Halkey Lodhi	0.4	Gravel sandy	Mustard	10-07-2009	17-10-2009	07.52	02.75	Azad -1
4	Sh. PAnduram S/o Chaturey Visvakarma	0.4	Sandy loam	Mustard	10-07-2009	19-09-2009	08.20	03.50	Azad -1
5	Sh. Jalam Lodhi S/o Azudhi lodhi	0.4	Clay loam	Wheat	09-07-2009	19-09-2009	06.25	02.90	Azad -1
6	Sh. Muniram Pal S/o Girdhari Lodhi	0.6	Sandy gravely	Mustard	08-07-2009	14-09-2009	05.57	03.00	Azad -1
7	Sh. Uday Kumar S/o Ram charan Lodhi	0.4	Sandy gravely	Mustard	11-07-2009	15-10-2009	05.65	02.90	Azad -1
8	Sh. Kishori S/o Khilai Lodhi	0.4	Sandy loam	Gram	10-07-2009	16-10-2009	07.80	02.75	Azad -1
9	Sh. Ramdevi W/o Panchamram Khagar	0.4	Sandy loam	Gram	10-07-2009	17-10-2009	05.75	03.00	Azad -1
10	Sh. Mohan S/o Laxman Visvakarma	0.4	Sandy gravely	Gram	11-07-2009	18-09-2009	06.80	03.00	Azad -1
11	Sh. Dalu pal S/o Chodha Pal	0.4	Sand loam	Wheat	08-07-2009	13-09-2009	08.00	03.40	Azad -1
12	Sh. Rajesh S/o Jujey Chadar	0.4	Sandy loam	Wheat	11-07-2009	18-10-2009	07.80	03.20	Azad -1
						<b>Mean</b>	<b>06.98</b>	<b>03.04</b>	

**Table 4 : Quantity and cost of cash inputs used which are supplied by KVK and as well as purchased by farmers in BLACK GRAM during kharif 2009.**

S.No.	Name of inputs	Supplied by K.V.K.		Purchased by farmers		Total
		Qty /ha	Rate (Rs/ha)	Qty/ha	Cost (Rs/ha)	
<b>(A)</b>	<b>Demonstration</b>					
1-	Seed	25 kg	1250	-	-	1250
2-	Fertilizer	-	-	-	-	-
	i)Urea	125 Kg	634	-	-	634
	ii)SSP	125 Kg	418	-	-	418
	iii) Sulphur	5kg	310	-	-	310
3-	Bio fertilizer	-	-	-	-	-
	Rhizo/Azoto	2.5 Kg	100	-	-	100
	PSB	2.5 Kg	100	-	-	100
4-	Pesticide	-	-	-	-	-
1-	Weedicide	1 Lit	1700	-	-	1700
2-	Fungicide	-	-	75 g	45	45
3-	Insecticide	-	-	-	-	-
	<b>Total</b>	-	<b>4512</b>	-	<b>45</b>	<b>4557</b>
<b>(B)</b>	<b>Local check</b>	-	-	-	-	-
1-	Seed	-	-	8 kg	400	400
2-	Fertilizer	-	-	-	-	-
	DAP	-	-	50 kg	490	490
	Others	-	-	-	-	-
	<b>Total</b>	-	-	-	<b>890</b>	<b>890</b>

## APPENDIX-1

Critical inputs supplied under demonstration

State : Madhya Pradesh

Crop : **Blackgram**

Area : **05 ha**

Production :

Average yield : **6.98**

S.No.	Name of District	Critical inputs demonstrated
<b>Farming situation:</b>	<b>Tikamgarh</b> <b>Rainfed</b>	Seed of improved variety Azad-1, RDF (NPKS- 20:60:20:25 kg/ha) + <i>Rhizobium</i> + PSB @ 10g/kg + 1 HW at 20-25 DAS.

## APPENDIX-2

Reaction of farmers about each critical input supplied under demonstration.

### **Feed back/Suggestions**

- For future research : There is need to develop a proper line sowing implements.
- For developments departments : There is need to supply good quality of seed and fertilizer timely at village level.
- For policy considerations : There is need to develop a policy to get the attractive rate of their farm produce.

### **Any serious constraints in implementation of the programme.**

#### **Details of fund utilize during the period under report**

Particulars	Allotment	Booked & utilized	Balance	Remarks
1. Inputs	17,500	17,500	-	-
2. Extension Activities	2,500	2,500	-	-
3. TA/DA/POL etc.	3,750	2,500	-	-
<b>TOTAL</b>	<b>23,750</b>			

# PROGRESS REPORT

FRONT LINE DEMONSTRATION  
ON  
OILSEEDS AND PULSES

RABI 2009-10



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# **Front Line demonstration on Oilseeds and Pulses**

**RABI 2009-10**

**Oilseed**

**Mustard**

**Constraints**

- 1) Use of imbalance fertilizer dose (40:20:0 NPK kg/ha).
- 2) No effective control of Aphids (Indiscriminate use of insecticide).

**Table-1 : Consolidated information on farming situation of demonstrations on Mustard during Rabi 2009-10.**

Type of farming situations										
Village	Block District	No.of farmers	Area	Source of irrigation	Soil type	Previous Crop sown	Time of Sowing	Time of harvesting	Critical inputs	Cost of inputs (Rs/ha)
Judawan Patha	Tikamgarh	12	5	Bore well	Clay loam	Soybean Blackgram	3 <sup>rd</sup> & last week of Oct 2009	Last week of Feb 10 to Ist week of Mar 10	Seed, fertilizer pesticide	3284

**Table-2 : Average yield and cost of particulars of demonstrations and local check plots of Mustard during Rabi 2009-10.**

S. No.	Crop	Variety	No. of farmers	Area (ha)	Yield (q/ha)			Local check	% increase over local check	Cost of cash Inputs (Rs./ha)	
					Max.	Min.	Demo. Av. yield			Demos.	Local check
1	Mustard	Pusa Agrani	12	5	18.50	15.25	17.16	11.21	53.07%	3284	1672

**Table- 3 : Farmer wise consolidated farming situation of demonstrations of MUSTARD during RABI 2009-10.**

S.	Name of farmer with father's name	Area (ha)	Soil type	Previous crop grown	Sowing date	Harvesting date	Yield (q/ha)	
							Demo.	Local check
1-	Sh. Laxman S/o Moti lal lodhi	0.4	Clay loam	Soybean	15-10-09	26-02-10	16.40	12.00
2-	Sh. Prakash S/o Mohan Chadar	0.4	Clay loam	Soybean	16-10-09	28-02-10	18.20	10.50
3-	Sh. Kamlesh S/o Halkey Lodhi	0.4	Clay loam	Soybean	15-10-09	28-02-10	17.40	11.50
4-	Sh. Shyam Lal S/o Ramvagas Lodhi	0.4	Clay loam	Soybean	25-10-09	28-02-10	15.25	11.60
5-	Sh. Ragunath S/o Halkey lodhi	0.4	Clay loam	Soybean	28-10-09	26-02-10	17.00	10.50
6-	Sh. Jagdish S/o Kishori lal lodhi	0.6	Clay loam	Soybean	15-10-09	01-03-10	18.50	10.25
7-	Sh. Mohan S/o Shivdin Chadar	0.4	Clay loam	Soybean	16-10-09	04-03-10	16.00	11.50
8-	Sh. Shyampal S/o Bhojraj Singh	0.4	Clay loam	Blackgram	16-10-09	02-03-10	18.50	10.75
9-	Smt Abha Singh W/o Bishan Singh	0.4	Clay loam	Blackgram	16-10-09	06-03-10	17.50	11.75
10-	Sh. Shyamlal Yadav	0.4	Clay loam	Blackgram	18-10-09	02-03-10	18.20	12.00
11-	Sh. Mohan S/o Babulal Yadav	0.4	Clay loam	Blackgram	18-10-09	07-03-10	17.00	11.65
12-	Sh. Nandram S/o Chature Kushwah	0.4	Clay loam	Blackgram	28-10-09	26-02-10	16.00	10.50
						<b>Mean</b>	<b>17.16</b>	<b>11.21</b>

**Table. 4. Quantity and cost of cash inputs used which are supplied by KVK and as well as purchased by farmers in MUSTARD during Rabi 2009-10.**

S.No.	Name of inputs	Supplied by K.V.K.		Purchased by farmers		Total
		Qty /ha	Rate (Rs/ha)	Qty/ha	Cost (Rs/ha)	
<b>(A)</b>	<b>Demonstration</b>					
1-	Seed	5 kg	160	-	-	160
2-	Fertilizer	-	-	-	-	-
	i) DAP	-	-	-	-	-
	ii) SSP	250 kg	836	-	-	836
	iii) Urea	125 kg	634	-	-	634
	iv) MOP	-	-	35	224	224
	v) Sulphur	5 Kg	310	-	-	310
3-	Bio fertilizer	-	-	-	-	-
	Azoto	2.5 kg	200	-	-	200
	PSB	2.5 kg	200	-	-	200
4-	Pesticide	-	-	-	-	-
1-	Weedicide	-	-	-	-	-
2-	Fungicide	-	-	-	-	-
3-	Insecticide (Imedachloroprid)	600 ml	720	-	-	720
	<b>Total</b>	-	<b>3060</b>	-	<b>224</b>	<b>3284</b>
<b>(B)</b>	<b>Local check</b>	-	-	-	-	-
1-	Seed	-	-	6 kg	192	192
2-	Fertilizer	-	-	-	-	-
	DAP	-	-	100 kg	980	980
	Others : Monocrotophos	-	-	1 lit	500	500
	<b>Total</b>	-	-	-	<b>1672</b>	<b>1672</b>



## APPENDIX-1

Critical inputs supplied under demonstration

State : Madhya Pradesh

Crop : **MUSTARD**

Area : **05 ha**

Production :

Average yield : **17.16**

S.No.	Name of District	Critical inputs demonstrated
<b>Farming situation:</b>	<b>Tikamgarh</b> <b>Irrigated</b> <b>Well/River</b>	Improved seed of variety <b>PUSA AGRANI</b> , RDF (NPKS 80:40:20:30 kg/ha) + PSB @ 20g/kg seed, + <i>Azoto</i> + 1 spray of Imidachloroprid @ 5 ml/15 lit. of water.

## APPENDIX-2

Reaction of farmers about each critical input supplied under demonstration.

### **Feed back/Suggestions**

- For future research : There is need to develop varieties of having resistant to Aphid beetle.
- For developments departments : There is need to supply good quality of seed and fertilizer timely at village level.
- For policy considerations : There is need to develop a policy to get the attractive rate of their farm produce.

### **Any serious constraints in implementation of the programme.**

#### **Details of fund utilize during the period under report**

Particulars	Allotment	Booked & utilized	Balance	Remarks
1. Inputs	17,500	17,500	-	-
2. Extension Activities	2,500	2,500	-	-
3. TA/DA/POL etc.	3,750	2,500	-	-
<b>TOTAL</b>	<b>23,750</b>			

# **Front Line demonstration on Oilseeds and Pulses**

**RABI 2009-10**

**Oilseed**

**Gram**

**Constraints**

- 1) Use of imbalance fertilizer dose.
- 2) Heavy incidence of cater piller.

**Table-1 : Consolidated information on farming situation of demonstrations on GRAM during Rabi 2009-10.**

Type of farming situations									
Village	Block District	No.of farmers	Area	Source of irrigation	Soil type	Previous Crop sown	Time of Sowing	Time of harvesting	Critical inputs
Surajpur Bigha Patha	Tikamgarh Prithvipur Tikamgarh	12	5	Bore well	Clay	Soybean	3 <sup>rd</sup> & 4 <sup>th</sup> week of Oct 2009	Last week of Feb 10 to Ist week of Mar 10	Seed, fertilizer pesticide

**Table-2 : Average yield and cost of particulars of demonstrations and local check plots of GRAM during Rabi 2009-10.**

S. No.	Crop	Variety	No. of farmers	Area (ha)	Yield (q/ha)			Local check	% increase over local check	Cost of cash Inputs (Rs./ha)	
					Max.	Mini.	Demons. yield			Demos.	Local check
1	Gram	JG-130	12	5	25.00	18.20	21.08	12.14	73.64	4404	2910

**Table- 3 : Farmer wise consolidated farming situation of demonstrations of GRAM during RABI 2009-10.**

S.	Name of farmer with father's name	Area (ha)	Soil type	Previous crop grown	Sowing date	Harvesting date	Yield (q/ha)	
							Demo.	Local check
1-	Sh. Jalam Singh S/o Harparasad Yadav	0.4	Clay loam	Soybean	15-10-09	26-02-10	20.40	12.20
2-	Sh. Prakash S/o Pritam Yadav	0.4	Clay loam	Soybean	16-10-09	28-02-10	19.20	13.50
3-	Sh. Mahesh S/o Tulshi Yadav	0.4	Clay loam	Soybean	15-10-09	28-02-10	19.40	11.50
4-	Sh. Khunni S/o Hiralal Kushwah	0.4	Clay loam	Soybean	25-10-09	28-02-10	24.25	12.60
5-	Sh. Devi S/o Sitaram Kushwah	0.4	Clay loam	Soybean	28-10-09	26-02-10	25.00	13.50
6-	Sh. Shyampal S/o Bhojraj Singh	0.6	Clay loam	Soybean	15-10-09	01-03-10	19.50	10.25
7-	Sh. Laxmi narayan S/o Ram Prasad Namdev	0.4	Clay loam	Soybean	16-10-09	04-03-10	23.00	11.50
8-	Hallu S/o Ramcharan kushwah	0.4	Clay loam	Blackgram	16-10-09	02-03-10	18.50	12.75
9-	Sh. Ram lal S/o Girja Kushwah	0.4	Clay loam	Blackgram	16-10-09	06-03-10	22.50	13.75
10-	Sh. Janki S/o Kashiram Kushwah	0.4	Clay loam	Blackgram	18-10-09	02-03-10	18.20	12.00
11-	Sh. Devendra S/o Prem Narayn Yadav	0.4	Clay loam	Blackgram	18-10-09	07-03-10	23.00	11.65
12-	Sh. Raghuvir S/o Durju Yadav	0.4	Clay loam	Blackgram	28-10-09	26-02-10	20.00	10.50
						<b>Mean</b>	<b>21.08</b>	<b>12.14</b>

**Table. 4. Quantity and cost of cash inputs used which are supplied by KVK and as well as purchased by farmers in GRAM during Rabi 2009-10.**

S.No.	Name of inputs	Supplied by K.V.K.		Purchased by farmers		Total
		Qty /ha	Rate (Rs/ha)	Qty/ha	Cost (Rs/ha)	
(A)	<b>Demonstration</b>					
1-	Seed	75 kg	1988	-	-	1988
2-	Fertilizer	-	-	-	-	-
	i). DAP	-	-	100 kg	980	980
	ii). SSP	-	-	100 kg	334	334
	iii). MOP	-	-	30 kg	192	192
	iv). Sulphur	5 kg	310	-	-	310
3-	Bio fertilizer	-	-	-	-	-
	Rhizo / Azoto	2.5 kg-	200	-	-	200
	PSB	2.5 kg	200	-	-	200
4-	Pesticide	-	-	-	-	-
1-	Weedicide	-	-	-	-	-
2-	Fungicide (Bavistin)	-	-	-	-	-
3-	Insecticide (Quinolphos)	2 Lit	600	-	-	600
	<b>Total</b>	-	<b>3298</b>	-	<b>1506</b>	<b>4404</b>
(B)	<b>Local check</b>					
1-	Seed	-	-	80 kg	2120	2120
2-	Fertilizer (DAP)	-	-	50 kg	490	490
3-	Insecticide (Quinolphos)	-	-	1 lit	300	300
	<b>Total</b>	-	-	-	<b>2910</b>	<b>2910</b>

## APPENDIX-1

Critical inputs supplied under demonstration

State : Madhya Pradesh

Crop : **GRAM**

Area : **05 ha**

Production :

Average yield : **21.80**

S.No.	Name of District	Critical inputs demonstrated
<b>Farming situation:</b>	<b>Tikamgarh</b> <b>Irrigated</b> <b>Well/River</b>	Seed of improved variety JG-130, Seed treatment by trichoderma veride @ 5g/kg seed + Deep ploughing + Feromone trap + Bird percher @ 50/ha + spray of quenolphos @ 2ml/lit of water.

## APPENDIX-2

Reaction of farmers about each critical input supplied under demonstration.

### **Feed back/Suggestions**

- For future research : There is need to develop a proper line sowing implements.
- For developments departments : There is need to supply good quality of seed and fertilizer timely at village level.
- For policy considerations : There is need to develop a policy to get the attractive rate of their farm produce.

### **Any serious constraints in implementation of the programme.**

#### **Details of fund utilize during the period under report**

Particulars	Allotment	Booked & utilized	Balance	Remarks
1. Inputs	17,500	17,500	-	-
2. Extension Activities	2,500	2,500	-	-
3. TA/DA/POL etc.	3,750	2,500	-	-
<b>TOTAL</b>	<b>23,750</b>			