



# **SAMRIDDH KISAN**

(Improving Farm Productivity and Constant Engagement with Farmers)

Operational Area- Bhinay, Ajmer & Rajgarh, Alwar.



Mustard crop at Nimla village Cluster Rajgarh

Implementing Agency-

Rajasthan Rural Institute Development Management (RRIDMA)

Sponsor Agency- Mahindra and Mahindra Limited

## SUMMARY OF THE PROJECT

The Project proposes to Improving Farm Productivity through constant engagement with farmer in one block of Ajmer and Alwar district in Rajasthan to adoption of specific scientific farming along with focused extension activities with selected Farmers groups.

A large majority of farmers taken traditional farming practices which causes low farm productivity. By adoption specific POP of 5 selected major crops in area will increase crop production through timely monitor crop management practices of individual farmer within the group.

Soil samples will be collected by each selected farmer to know the soil health and based on which advice for the fertilizer doses will be provided to the farmers. Recommendations will be given to farmer to improve the soil health.

Farmer's group will be formed at cluster level for build knowledge & skill through Demonstration, exposure visits and Meetings. Field meetings will also be organized at crucial stages of the crops, incidence of pest and diseases, extreme climatic variations, natural calamities etc.

Kisan mela will be organized at the District level in each season. There will be discussions and deliberations over their key issues at the end of each season, the farmers will also share their experiences of participating in the project activities. The feedback from the farmers would then be discussed by the implementing teams with their seniors; Scientists and other line departments on one platform to suitable alter/ modify and execute the plans in an appropriate way in the coming season. Agri- Input manufacturer companies will be invited to display and demonstrate their products.

In the first year the farmers would be supported for the main crop on one acre - both in Kharif and Rabi. From the second year the support will be reduced by 50% and in the third year the farmers will not be supported at all. The technological and extension support would continue for all the three years.

Linkage with Government Departments, Agriculture universities/Institutions for convergence schemes, new Technology and guidance. Two thousand Farmers Families will benefit during project period in operational area. Total project period will five years.

After completion of the Project enough groups will be establish at village level for extension activities and function independently with technical knowledge and present a model for providing sustainable agriculture for the other farmer's families which will be the most important benefit of the Project

## Project Area and Location



- **Working Village.** Total Working village are 40 in which 20 village in Ajmer and 20 village in Alwar district with 2000 families.
- **District wise Status of families-**

. No.	Particular	Ajmer		Alwar	
1.1	Large Farmers >10 Acre	84	8.4%	26	2.6%
1.2	Small Farmers 2.5 to 10 Acre	634	63.4%	437	43.7%
1.3	Marginal Farmers <2.5 Acre	282	28.2%	537	53.7%
2	Average Land holding per Participants (Acre)	5.01		3.44	
3	Irrigated land	1.8		1.07	
4	Non Irrigated	3.6		3.32	

### Average Family per village –

- Banadanwar Cluster Ajmer - 225
- Rajgarh Cluster Alwar- 278

### Average Family size –

- Banadanwar Cluster Ajmer - 5.7 Members
- Rajgarh Cluster Alwar- 6.3 Members

### Total Benifited families – 2171 against target 2000

- Banadanwar Cluster Ajmer - 1169
- Rajgarh Cluster Alwar- 1002

### Year wise swon area in Ha.-

Year	2015-16	2016-17	2017-18	2018-19
<b>Kharif Season</b>	28.22	766.12	1337.48	1357.5
<b>Rabi Season</b>	161.29	585.86	1105.65	1289.6
<b>Total</b>	<b>189.51</b>	<b>1351.98</b>	<b>2443.13</b>	<b>2647.1</b>

### Change in farming Practices –

- Balance use of fertilizers according to soil health card.
- Introduce of DAP in Bajra Crop by basal dose in place of application heavy dose of Urea only.
- Reduce of Urea a proximate 20 -25 kg /acre and applied recommended doses of 25 kg DAP for fulfillment of phosphorus in Bajra crop. (Urea Rs. 5.70 /Kg & DAP Rs. 24.88 /Kg)
- Line sowing.
- Minimize seed rate of Bajra (4 to 3 kg per Acre ) and replacement of seed.
- Seed treatment
- Use of micronutrients and VAM (*Vesicular Arbuscular Mycorrhiza*)

Comparative production of Maize and Bajra year 2015-16					
District	Crop	Average Production (Kg./Acre)	Average Production (Kg./Acre)	Increase Production against Last Year Kg./ Acre	
		(Previous Yr)	(Current Yr)		
Ajmer	Maize	810	1146	336	
Alwar	Bajra	1008	1242	234	
Expenditure and Income per Acre					
Crop	Cost of Cultivation Previous year	Income (Rs./Acre) as per MSP ( Maize – Rs.13.10 / Kg.	Cost of Cultivation current year	Income (Rs./Acre) as per MSP (( Maize – Rs.13.25 / kg.	More Income against last year
	(Rs/Acre)	Bajra Rs. 12.50/ kg.)	(Rs/Acre)	Bajra Rs. 12.75/ kg.)	(Rs./Acre)
Maize	5579	10611	6148	15184.5	4574
Bajra	4545	12600	6420	15835.5	3236

### Net Income

Crop	Net Profit (Rs/Acre)	Net Profit (Rs/Acre)	Net Profit of Current Year
	(Income- Cost)	(Income- Cost)	(Current year- Previous Year)
	Previous Year	Current Year	(Rs/Acre)
Maize	5032	9036.5	4005
Bajra	8055	9415.5	1361

Comparative production of Maize and Bajra year 2016-17				
District	Crop	Average Production (Kg./Acre)	Average Production (Kg./Acre)	Increase Production against Last Year Kg./ Acre
		(Previous Yr)	(Current Yr)	
Ajmer	Maize	1146	1317	171
Alwar	Bajra	1242	1385	143

Expenditure and Income per Acre					
Crop	Cost of Cultivation Previous year	Income (Rs./Acre) as per MSP (( Maize – Rs.13.25 / kg.	Cost of Cultivation current year	Income (Rs./Acre) as per MSP (( Maize – Rs.13.65 / kg.	More Income against last year
	(Rs/Acre)	Bajra Rs. 12.75/ kg.)	(Rs/Acre)	Bajra Rs. 13.35/ kg.)	(Rs./Acre)
Maize	6148	15185	6250	17977.05	2793
Bajra	6420	15836	6532	18489.75	2654

#### Net Income

Crop	Net Profit (Rs/Acre)	Net Profit (Rs/Acre)	Net Profit of Current Year
	(Income- Cost)	(Income- Cost)	(Current year- Previous Year)
	Previous Year	Current Year	(Rs/Acre)
Maize	9037	11727	2691
Bajra	9416	11958	2542

#### Comparative production of Wheat, Mustard and Gram Year 2015-16

S.No	Crop	Average Production (Kg./Acre.)	Average Production (Kg./Acre.)	Increase Production against Last Year (Kg./Acre.)	
		(Previous Yr)	(Current Yr)		
1	Wheat	1226	1398	175 (14.2%)	
2	Mustard	493	554	61 (12.3%)	
3	Gram	644	738	94 (14.5%)	
Expenditure and Income per Acre.					
Crop	Cost of Cultivation	Income (Rs./Acre.) as per MSP	Cost of Cultivation	Income (Rs./Acre.) as per MSP	More Income against last year
	(Rs/Acre)	Wheat ( Rs.14.50/ Kg.)	(Rs/Acre)	Wheat ( Rs.15.25/ Kg.)	
	Previous Year	Mustard ( Rs. 31.00/ Kg)	Current Year	Mustard ( Rs. 33.50/ Kg)	
		Gram ( Rs. 31.75/ Kg.)		Gram ( Rs. 34.25/ Kg.)	(Rs./Acre.)
Wheat	10258	17777	11073	21320	3543
Mustard	9491	15283	10306	18559	3276
Gram	7324	20447	8811	25277	4830

Crop	Net Profit (Rs/Acre)	Net Profit (Rs/Acre)	Net Profit of Current Year
	(Income- Cost)	(Income- Cost)	(Current year- Previous Year)
	Previous Year	Current Year	(Rs/Acre)
Wheat	7519	10247	2728
Mustard	5792	8253	2461
Gram	13123	16466	3343

Comparative production of Wheat, Mustard and Gram Year 2016-17					
S.No	Crop	Average Production (Kg./Acre.)	Average Production (Kg./Acre.)	Increase Production against Last Year (Kg./Acre.)	
		(Previous Yr)	(Current Yr)		
1	Wheat	1398	1823	425 (30.4%)	
2	Mustard	554	642	88 (15.8%)	
3	Gram	738	874	136 (18.4%)	
Expenditure and Income per Acre.					
Crop	Cost of Cultivation	Income (Rs./Acre.) as per MSP	Cost of Cultivation	Income (Rs./Acre.) as per MSP	More Income against last year
	(Rs/Acre)	Wheat ( Rs.15.25/ Kg.)	(Rs/Acre)	Wheat ( Rs.16.25/ Kg.)	
	Previous Year	Mustard ( Rs. 33.50/ Kg)	Current Year	Mustard ( Rs. 37.00/ Kg)	
		Gram ( Rs. 34.25/ Kg.)		Gram ( Rs. 40.00/ Kg.)	(Rs./Acre.)
Wheat	10258	21320	11073	29624	8304
Mustard	9491	18559	10306	23754	5195
Gram	7324	25277	8811	34960	9684

Crop	Net Profit (Rs/Acre)	Net Profit (Rs/Acre)	Net Profit of Current Year
	(Income- Cost)	(Income- Cost)	(Current year- Previous Year)
	Previous Year	Current Year	(Rs/Acre)
Wheat	11062	18551	7489
Mustard	9068	13448	4380
Gram	17953	26149	8197

### Year wise fund receipt and expenditure detail

S.No.	Year	Date	Date wise Grant receipt Amount( Rs.)	Year wise Grant Receipt	Intrest used	Year wise Expenditure	Variance	Remark's
1	2015-16	30.6.2015	2970438.00	9481750.00		9338035.00	143715.00	
2		19.8.2015	2970438.00					
3		11.1.2016	1770437.00					
4		9.03.2016	1770437.00					
5	2016-17	22.7.2016	5961080.00	17844320.00		17221365.00	622955.00	
6		22.10.2016	5961080.00					
7		7.03.2017	5922160.00					
8	2017-18	13.07.2017	7005010.00	14505010.00	207971.00	15478501.00	1150.00	
9		29.11.2017	7500000.00					
10	2018-19	23.07.2018	5827618.00	5827618.00		4231373.20	1596244.80	31.10.2018
<b>Total Rs.</b>			<b>47658698.00</b>	<b>47658698.00</b>	<b>207971.00</b>	<b>46269274.20</b>		

### Agri Inputs for Rabi crop per participants

1	Wheat Seeds	RAJ 3077	kg.	50 kg
2	Wheat Seeds	MWR9000	kg	50 kg
3	Mustard Seeds	Pioneer 42S45	kg	3 kg
4	Gram Seeds	GNJ-1581	kg	35
5	Fussion	100 gram (Pkt)	Packet	1
6	Warent SC	100ml	vail	1
7	PSB	200 gram	packet	1
8	Azotobactor	200 gram	packet	1
9	Rizobium	200 gram	packet	1
10	Sulphur WDG 90%	3 kg packet	packet	3kg
11	Symvion VAM Plus	10 kg bag	Bag	10kg
12	All crop Basel microfood	10 Kg Bag	Bag	10 kg
13	Urea	50 kg Bag	Bag	As per soil health card
14	DAP	50 kg Bag	Bag	As per soil health card
15	Total ( Herbicide UPL,)	16 Gram Pkt	packet	16 gram

### Crop wise Agri Inputs for Kharif per participants

1	Mung Seed	SML 668	kg.	16 kg
2	Urd Seed	PU-31	kg	12 Kg
3	Bajra Seed	PHI 86M84	kg	3 kg
4	Bajra Seed	Mahindra MB1010	kg	3kg
5	Maize	PHI 3502	kg	10 kg
6	PSB Culture	200 Gram	Packet	1
7	AzectoBactor Culture	200 Gram	Packet	1
8	Raziobium Culture	200 Gram	Packet	1
9	Vam	5Kg	Kg	10 kg
10	Micronutrents	10 Kg	Kg	10 kg

PHOTO GALLERY











## MEDIA COVERAGE

