

Summary of Annual Progress of KVK, Pali 2012-13

STAFF POSITION

KVK	PC			SMS			PA			ADMN			AX			SUPP			TOTAL		
	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V	S	F	V
	1	1	0	6	4	2	3	2	1	2	1	1	2	1	1	2	2	0	16	11	5

S- Sanctioned

F- Filled

V- Vacant

REVOLVING FUND

KVK	Opening Balance on 1.4.11 (Rs. in lakhs)	Revenue Generated (Rs. in lakhs)	Closing Balance on 31.3.12 (Rs. in lakhs)
CAZRI KVK, Pali	82904	266042	258449

SCIENTIFIC ADVISORY COMMITTEE

KVK	No. of meetings conducted	Date of meeting
CAZRI KVK, Pali	1	24.7.2012

ACTIVITIES OF KVK

TECHNOLOGY ASSESSMENT AND REFINEMENT

Details of technologies assessed and refined

A. Technologies assessed**

<i>Sl. No.</i>	<i>Enterprise</i>	<i>Crop/Animal/Species</i>	<i>Name of the technology**</i>	<i>Thematic Area</i>
1	Cereals	Wheat	High yielding variety for saline/sodic conditions (RAJ 4037)	Irrigated, Varietal evaluation
		Sorghum	High yielding variety (CSV 15)	Rainfed, Varietal evaluation
2	Oil seed	Mustard	High yielding variety for rainfed condition (Maya)	Irrigated, Varietal evaluation
3	Spices	Cumin	High yielding variety for rainfed condition (RZ 223)	Integrated pest management

B. Technologies refined**

<i>Sl. No.</i>	<i>Category</i>	<i>Crop/Enterprise</i>	<i>Name of the technology**</i>	<i>Thematic Area</i>
1	Fruit	Ber	Rainwater harvesting (Circular catchment) + nutrient management through FYM (50 kg)+ Vermi-compost (10 kg) per plant	Rainfed, INM

Abstract on the number of technologies **assessed** in respect of crops/enterprises

<i>Thematic areas</i>	<i>Cereals</i>	<i>Oilseeds</i>	<i>Pulses</i>	<i>Commercial Crops</i>	<i>Vegetables</i>	<i>Fruits</i>	<i>Flower</i>	<i>Plantation crops</i>	<i>Tuber Crops</i>	<i>TOTAL</i>
Varietal Evaluation	12	2	2	2	4	1	0	0	0	23
TOTAL	12	2	2	2	4	1	0	0	0	23

Abstract on the number of technologies **refined** in respect of crops/

<i>Thematic areas</i>	<i>Cereals</i>	<i>Oilseeds</i>	<i>Pulses</i>	<i>Commercial Crops</i>	<i>Vegetables</i>	<i>Fruits</i>	<i>Flower</i>	<i>Plantation crops</i>	<i>Tuber Crops</i>	<i>TOTAL</i>
Varietal Evaluation	3	3	3	3	3	1	0	0	0	16
TOTAL	3	3	3	3	3	1	0	0	0	16

PERFORMANCE OF IMPORTANT TECHNOLOGIES

Trial 1: Wheat

1. **Title** : Production maximization of wheat under saline/sodic soil and irrigation water
2. **Problem diagnose/defined** : Low yield due saline/sodic soil and water
3. **Details of technologies selected for assessment/ refinement** : High yielding variety for saline/sodic conditions (RAJ 4037)
4. **Source of technology** : RAU, Bikaner
5. **Production system thematic area** : Irrigated, Varietal evaluation
6. **Performance of the Technology with performance indicators** : Higher yield than farmers' practice
7. **Final recommendation for micro level situation** : High production
8. **Constraints identified and feedback for research** : Nil
9. **Process of farmers participation and their reaction** : Good quality seed and high production

Trial 2: Mustard

1. **Title** : Optimum plant population for mustard for getting higher yield./ Low productivity of mustard
2. **Problem diagnose/defined** : Low yield due to low rainfall
3. **Details of technologies selected for assessment/ refinement** : High plant population
4. **Source of technology** : NRC Mustard, Bharatpur
5. **Production system thematic area** : Irrigated
6. **Performance of the Technology with performance indicators** : High yield than farmers' practice
7. **Final recommendation for micro level situation** : High production
8. **Constraints identified and feedback for research** : Nil
9. **Process of farmers participation and their reaction** : High production and good quality of mustard oil

Trial 3: Cumin

1. **Title** : Production technologies of cumin in arid area of Pali district
2. **Problem diagnose/defined** : Low yield due to higher plant population
3. **Details of technologies selected for assessment/ refinement** : High yielding variety for rainfed condition (RZ 223)
4. **Source of technology** : RAU, Bikaner
5. **Production system thematic area** : Integrated pest management
6. **Performance of the Technology with performance indicators** : Higher yield than farmers' practice
7. **Final recommendation for micro level situation** : High production
8. **Constraints identified and feedback for research** : Yellowish at the time of flowering
9. **Process of farmers participation and their reaction** : High production and good quality of seed

Trial 4: Sorghum

1. **Title** : Improving quality and production of fodder Sorghum
2. **Problem diagnose/defined** : Low yield
3. **Details of technologies selected for assessment/ refinement** : High yielding variety (CSV 15)
4. **Source of technology** : NRC for Sorghum, Hyderabad
5. **Production system thematic area** : Rainfed, Varietal evaluation
6. **Performance of the Technology with performance indicators** : Higher fodder yield than farmers' practice
7. **Final recommendation for micro level situation** : In progress
8. **Constraints identified and feedback for research** : In progress
9. **Process of farmers participation and their reaction** : In progress

Trial 5: LOW MILK YIELD IN BOVINE

- Title** : Low milk yield in bovine
- 2. Problem diagnose/defined** : Low nutrition status, Poor economic condition for supplement feeding, Lack of knowledge of supplementary feeding
- 3. Details of technologies selected for assessment/ refinement** : 1. Multi nutrient feed blocks
2. Oral calcium
- 4. Source of technology** : CAZRI, Jodhpur
- 5. Production system thematic area** : Milk production evaluation
- 6. Performance of the Technology with performance indicators** : Increased milk production and minimize the calving interval
- 7. Final recommendation for micro level situation** : Necessary supplementary feeding for lactating animals
- 8. Constraints identified and feedback for research** : Nil
- 9. Process of farmers participation and their reaction** : Increased the digestibility of roughage and rumen microbes, low priced source of protein

Name of technology: Varietal evaluation

<i>Technological Options</i>	<i>No. of Trials</i>	<i>Performance on different parameters</i>		<i>Result and Recommendation</i>	<i>Acceptability in existing farming system</i>
		<i>BC Ratio</i>	<i>Yield (kg/ha)</i>		
Wheat	3	3.1	2990	Recommended for cultivation	Yes
Barley	3	2.8	975		Yes
Fodder Jowar	3	3.0	6900		Yes

Technologies refined

Trial 1: Ber

1. **Title** : Yield improvement of ber orchards through organic manuring with water conservation techniques
2. **Problem diagnose/defined** : Low yield
3. **Details of technologies selected for assessment/ refinement** : Rainwater harvesting (Circular catchment) + nutrient management through FYM (50 kg)+ Vermi-compost (10 kg) per plant
4. **Source of technology** : CAZRI, Jodhpur
5. **Production system thematic area** : Rainfed, INM
6. **Thematic area** :
7. **Performance of the Technology with performance indicators** : Higher fruit yield than control
8. **Final recommendation for micro level situation** : Good quality fruit
9. **Constraints identified and feedback for research** : Nil
10. **Process of farmers participation and their reaction** : Adopted this variety

FRONTLINE DEMONSTRATIONS**Summary**

<i>Crop/enterprise</i>	<i>No. of demonstrations</i>	<i>Area (ha)</i>
Oilseeds	32	12.5
Pulses	64	25
Cereals	98	50
Spices	30	15
Total	224	102.5

OILSEEDS

<i>Crop</i>	<i>Season</i>	<i>Name of technology</i>	<i>No. of farmers</i>	<i>Area (ha)</i>	<i>Performance of technology on different parameters (q/ha)</i>		<i>Result</i>
					<i>1</i>		
					<i>Demonstration</i>	<i>Local Check</i>	
Mustard (Maya)	Rabi	Varietal evaluation	5	2.5	16.5	13.0	26.92
Til (RT 346)	Kharif	Varietal evaluation	27	10	7.5	5.7	31.58

PULSES

<i>Crop</i>	<i>Season</i>	<i>Name of technology</i>	<i>No. of farmers</i>	<i>Area (ha)</i>	<i>Performance of technology on different parameters (q/ha)</i>		<i>Result</i>
					<i>1</i>		
					<i>Demonstration</i>	<i>Local Check</i>	
Moong (GM 4)	Kharif	Varietal evaluation	25	10	7.2	4.4	30.90
Cluster bean (RGC 1017)	Kharif	Varietal evaluation	39	15	9.0	7.0	28.57

CEREALS, HORTICULTURE AND OTHER CROPS

<i>Crop</i>	<i>Season</i>	<i>Name of technology</i>	<i>No. of farmers</i>	<i>Area (ha)</i>	<i>Performance of technology on different parameters (q/ha)</i>		<i>Result</i>
					<i>1</i>		
					<i>Demonstration</i>	<i>Local Check</i>	
Wheat	Rabi	Varietal evaluation	30	15	42.66	34.16	24.88
Barley	Rabi	Varietal evaluation	38	15	39.0	31.00	25.80
Cumin	Kharif	Varietal evaluation	30	15	8.75	6.75	29.62
Mustard	Rabi	Varietal evaluation	5	2.5	16.5	13.0	26.92
Cluster bean	Kharif	Varietal seed	39	15	9.0	7.0	28.57
Moong	Kharif	Varietal seed	25	10	7.5	5.3	41.50
Til	Kharif	Varietal evaluation	27	10	7.5	5.7	31.58
Sorghum	Kharif	Varietal evaluation	30	20	66.00	52.00	26.92

TRAINING (INCLUDING VOCATIONAL, SPONSORED AND FLD TRAINING)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	6	143	0	143	38	14	52	181	14	195
Resource Conservation Technologies	3	106	5	111	6	1	7	112	6	118
Cropping Systems	5	122	0	122	30	0	30	152	0	152
Crop Diversification	12	337	5	342	37	0	37	374	5	379
Integrated Farming	1	30	0	30	0	0	0	30	0	30
Water management	5	160	20	180	20	5	25	180	25	205
Seed production	2	40	0	40	12	0	12	52	0	52
Fodder production	2	45	4	49	6	3	9	51	7	58
Production of organic inputs	10	281	13	294	22	14	36	303	27	330
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	4	95	18	113	4	2	6	99	20	119
Nursery raising	1	25	5	30	0	5	5	25	10	35
b) Fruits										
Cultivation of Fruit	5	115	5	120	5	2	7	120	7	127
III Soil Health and Fertility Management										
Management of Problematic soils	1	25	0	25	6	0	6	31	0	31
IV Livestock Production and Management										
Dairy Management	2	40	0	40	3	0	3	43	0	43
Feed management	2	63	0	63	0	0	0	63	0	63
V Home Science/Women empowerment										
Income generation activities for empowerment of rural Women	6	0	125	125	0	25	25	0	150	150
VI Agril. Engineering										

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Repair and maintenance of farm machinery and implements	1	28	0	28	4	0	4	32	0	32
VII Plant Protection										
Integrated Pest Management	2	45	0	45	6	0	6	51	0	51
Integrated Disease Management	2	40	0	40	16	0	16	56	0	56
Bio-control of pests and diseases	1	20	0	20	16	0	16	36	0	36
Production of bio control agents and bio pesticides	1	20	0	20	13	0	13	33	0	33
VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										
Leadership development	1	35	0	35	6	0	6	41	0	41
Group dynamics	8	205	0	205	27	0	27	232	0	232
Mobilization of social capital	6	163	0	163	31	0	31	194	0	194
Entrepreneurial development of farmers/youths	2	46	0	46	12	0	12	58	0	58
XI Agro-forestry										
TOTAL	91	2229	200	2429	320	71	391	2549	271	2820
(B) RURAL YOUTH										
Integrated farming	3	99	10	109	20	7	27	119	17	136
Seed production	2	45	4	49	17	5	22	62	9	71
Production of organic inputs	3	60	0	60	0	0	0	60	0	60
Repair and maintenance of farm machinery and implements	2	45	6	51	12	4	16	57	10	67
Value addition	2	40	0	40	6	20	26	46	20	66
TOTAL	12	289	20	309	55	36	91	344	56	400
(C) Extension Personnel										
Productivity enhancement in field crops	3	90	0	90	28	3	31	118	3	121
Capacity building for ICT application	1	45	0	45	13	3	16	58	3	61
TOTAL	4	135	0	135	41	6	47	176	6	182
Grand Total	107	2653	220	2873	416	113	529	3069	333	3402

Sponsored Training Programmes

S. No	Title	Thematic area	Duration in days	Client PF/R/Y/EF/LA	No. of courses	No. of Participants							Sponsoring Agency
						Male		Female		Total			
						Others	SC/ST	Others	SC/ST	Others	SC/ST	Total	
1.	Irrigation management in field crops	Soil and water management	2	PF	2	50	10	0	0	50	10	60	DOA
2.	Value addition of fruit and vegetable	Processing and value addition	2	PF	2	40	6	3	2	43	8	51	NABARD
3.	Rain water harvesting technology	Soil and water management	3	RY	2	40	0	0	0	40	0	40	NABARD
4.	Seed spices production technology	Crop production	2	PF	2	40	5	0	0	40	5	45	NHM
5.	Cotton production technology	Cropping system	1	EF	1	25	0	0	0	25	0	25	ATMA
6.	Oilseed crop production technology	Cropping system	2	EF	1	30	10	0	0	30	10	40	ATMA
Total						225	31	3	2	228	33	261	

EXTENSION ACTIVITIES

Nature of Extension Activity	No. of activities	Participants											
		Farmers (Others)			SC/ST (Farmers)			Extension Officials			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	20	715	110	825	120	45	165	25	2	27	860	157	1017
Kisan Mela	2	1920	275	2195	490	55	545	20	4	24	2430	334	2764
Kisan Ghosthi	25	510	120	630	70	16	86	4	2	6	584	138	722
Exhibition	2	1920	15	1935	121	40	161	0	0	0	2041	55	2096
Film Show	35	810	70	880	127	32	159	4	1	5	941	103	1044
Method Demonstrations	61	797	135	932	151	50	201	0	0	0	948	185	1133
Farmers Seminar	4	190	0	190	50	0	50	0	0	0	240	0	240
Workshop	2	250	0	250	20	0	20	0	0	0	270	0	270
Group meetings	25	190	15	205	50	2	52	0	0	0	240	17	257
Lectures delivered as resource persons	220	609	120	729	180	35	215	20	2	22	809	157	966
Newspaper coverage	35	-	-	0	-	-	0	-	-	0	0	0	0
Radio talks	9	-	-	0	-	-	0	-	-	0	0	0	0
TV talks	2	-	-	0	-	-	0	-	-	0	0	0	0
Popular articles	3	-	-	0	-	-	0	-	-	0	0	0	0
Extension Literature	6	0	0	0	0	0	0	0	0	0	0	0	0
Advisory Services	35	350	5	355	80	10	90	0	0	0	430	15	445
Scientific visit to farmers field	45	290	25	315	45	0	45	0	0	0	335	25	360
Farmers visit to KVK	50	2710	175	2885	613	25	638	0	0	0	3323	200	3523
Diagnostic visits	25	120	0	120	0	0	0	0	0	0	120	0	120
Ex-trainees Sammelan	5	40	6	46	5	2	7	0	0	0	45	8	53
Soil health Camp	8	90	4	94	15	10	25	0	0	0	105	14	119
Farm Science Club Conveners meet	4	75	0	75	25	0	25	0	0	0	100	0	100
Self Help Group Conveners meetings	2	0	60	60	0	10	10	0	0	0	0	70	70
Mahila Mandals Conveners meetings	2	0	35	35	0	10	10	0	0	0	0	45	45
Celebration of important days	3	55	5	60	10	35	45	0	0	0	65	40	105
Total	630	11641	1175	12816	2172	377	2549	73	11	84	13886	1563	15449

PRODUCTION AND SUPPLY OF QUALITY SEED AND PLANTING MATERIAL**SEED MATERIALS**

<i>Major group/class</i>	<i>Crop</i>	<i>Variety</i>	<i>Quantity (kg.)</i>	<i>Value (Rs.)</i>	<i>Provided to No. of Farmers</i>
OILSEEDS					
1.	Til	RT 346	728.25	61901	125
2.	Mustard	Maya	71.5	2645	11
OTHERS (Specify)					
1	Saunf	RF 125	10.5	892.5	-
2	Cumin	RZ 223	83.5	13360	-
3	Wheat	Raj 4037	25	420	5
4	Barley	RD 2035	18	207	5
5	Methi	RMT 305	325.50	9765	86
6	Papaya fruit	Taiwan	326.7	7299	-
7	Tomato	Anmol	69	1035	-
8	Ajvain	AA 1	30.5	3965	10
9	Ber	Gola	-	44500	-
10	Date palm	Khadravi	55.5	1110	-
11	Pickle	-	58.5	5603	-
12	Worms	<i>Assinia foetida</i>	8 Units	3000	8
13	Vermi compost khad	-	10959	44665	46

SUMMARY

<i>Sl. No.</i>	<i>Major group/class</i>	<i>Quantity (kg)</i>	<i>Value (Rs.)</i>	<i>Provided to No. of Farmers</i>
1	OILSEEDS	799.75	64546	136
2	OTHERS	114	88,156.5	106
3	WORMS	8 Units	3000	8
4	Vermi compost khad	10959	44665	46
TOTAL		11,872.75 + 8 Units	200,367.5	296

PLANTING MATERIALS

<i>Major group/class</i>	<i>Crop</i>	<i>Variety</i>	<i>Quantity (Nos.)</i>	<i>Value (Rs.)</i>	<i>Provided to No. of Farmers</i>
FRUITS/OTHERS	Ber	Gola, Sev	250	2500	60
	Sejna	CO-1	62	620	31
	Aloevera	NPBGR-1	57	500	50
	Azolla	-	0	1350	67

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	Banana	G 9	9	450	7
	Fig	Puna	55	2750	40
	Gunda	Improved	60	1200	45
	Pomegranate	Sindura	21	630	18
	Papita	Taiwan	38	760	24
	Napier grass	-	1036	5180	65
	Other plants	-	59	1925	37

SUMMARY

<i>Sl. No.</i>	<i>Major group/class</i>	<i>Quantity (Nos.)</i>	<i>Value (Rs.)</i>	<i>Provided to No. of Farmers</i>
1	FRUITS/OTEHRS	1647	17865	444
	TOTAL	1647	17865	444

PUBLICATIONS

Type of Publication	No. of Items/topics	Number copies
Research papers	11	-
Abstracts	12	-
Book chapters	1	-
Popular articles	4	-
Leaflets/Folders	4	-

SUCCESS STORIES

Name : Suraj Devi
Village : Chimanpura
Education : 5th
Income before intervention : Rs. 5000-8000
Income after intervention : Rs. 15000-20000
Intervention : Processing and value addition of fruits and vegetables
Motivation : KVK training, demonstrations
Impact : Income generate, socio -economic status and distribution of improved seed to other farmers.



Name : Sh. Taju Khan
Village : Patherly
Education : 5th
Income before intervention : Rs. 2500 – 3000 per month
Income after intervention : Rs. 10000 – 12000 per month
Intervention : Fruit and crop cultivation
Motivation : KVK Vocational training
Impact : Income generate, socio -economic status and distribution of improved seeds, planting material and fisheries to other farmers.

