



केन्द्रीय शुष्क क्षेत्र अनुसंधान संस्थान
Central Arid Zone Research Institute

कृषि विज्ञान केन्द्र
पाली-मारवाड़ (राज.) 306 401



Annual Progress Report (2010 - 2011)



Krishi Vigyan Kendra
CAZRI, Pali-Marwar 306 401
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REPORTING PERIOD
(01.4.2010 TO 31.03.2011)

1. GENERAL INFORMATION ABOUT THE KVK**1.1. Name and address of KVK with phone, fax and e-mail**

<i>Address</i>	<i>Telephone</i>		<i>E mail</i>
	<i>Office</i>	<i>FAX</i>	
KRISHI VIGYAN KENDRA, CAZRI Campus PALI-MARWAR, PIN: 306 401 (Rajasthan)	02932-256771	02932-256771	cazri_kvkpali@yahoo.co.in

1.2. Name and address of host organization with phone, fax and e-mail

<i>Address</i>	<i>Telephone</i>		<i>E mail</i>
	<i>Office</i>	<i>FAX</i>	
Central Arid Zone Research Institute, Jodhpur	0291-2786584	0291-2788706	director@cazri.res.in

1.3. Name of the Programme Coordinator with phone & mobile No.

<i>Name</i>	<i>Telephone / Contact</i>		
	<i>Residence</i>	<i>Mobile</i>	<i>Email</i>
Dr. Dheeraj Singh	-	9414194005	dheerajthakurala@yahoo.com

1.4. Year of sanction: 1992

1.5. Staff Position (as on 31st March 2011)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent/ Temporary	Category (SC/ST/OBC/ Others)
1.	Programme Coordinator	Dr. Dheeraj Singh	Programme Coordinator	Horticulture	15600 - 39100 GP 8000	32170	19 Sept. 08	Permanent	Gen.
2.	Subject Matter Specialist	Dr. M. K. Chaudhary	T-7-8 (SMS)	Agronomy	15600 - 39100 GP 6600	32040	30 Nov 96	Permanent	Gen.
3.	Subject Matter Specialist	Dr. Hari Dayal*	T-6 (SMS)	Horticulture	15600 - 39100 GP 5400	28870	21 Feb 97	Permanent	SC
4.	Subject Matter Specialist	Dr. M. L. Meena	T-6 (SMS)	Agri. Extn.	15600 - 39100 GP 5400	22950	28 Apr 07	Permanent	ST
5.	Subject Matter Specialist	Ms. Aishwarya Dudi	T-6 (SMS)	Home Science	15600 - 39100 GP 5400	22950	9 Aug 07	Permanent	OBC
6.	Subject Matter Specialist	Dr. S. C. Kachhawaha	T-6 (SMS)	Animal Science	15600 - 39100 GP 5400	22950	3 May 08	Permanent	Gen.
7.	Technical Officer	Sh. M.S. Choudhary	T-5	-	9300-34800 GP 4600	21100	30 Jan 09	Permanent	Gen.
8.	Programme Assistant	Sh. A. K. Maru	T-4 (Agri.)	Nemotology	9300-34800 GP 4200	14330	27 May 08	Permanent	SC
9.	Computer Programmer	Sh. P. K. Tomar	T-4 (Comp.)	Computer	9300-34800 GP 4200	14330	5 Nov 08	Permanent	Gen.
10.	Accountant / Superintendent	Sh. Anil Bhandari	OS/Acct.	Accounts	9300-34800 GP 4200	14760	03 Jan 07	Permanent	Gen.
11.	Driver	Sh. Tara Ram	T-5 (Driver)	-	9300-34800 GP 4600	20670	01 Jul 94	Permanent	ST
12.	Supporting staff	Sh. Tara Ram	Cook	-	5500 -20200 GP 1800	9190	30 Nov 96	Permanent	ST
13.	Supporting staff	Sh. Bholra Ram	R/ M	-	5500 - 20200 GP 1800	9130	30 Nov 96	Permanent	ST

* Transferred to KVK, Jodhpur in April, 2011

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	00.5
2.	Under Demonstration Units	01.0
3.	Under Crops	20.0
4.	Orchard/Agro-forestry	03.0
5.	Others (specify)	15.5

1.7. Infrastructural Development*A) Buildings*

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	9.8.1998	715.7	2200000	-	-	-
2.	Farmers Hostel	ICAR	9.8.1998	329.5	1150000	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (5)	External	-	-	-	-	-	-
5	Fencing	ICAR	50 yrs old	-	-	-	-	-
6	Rain Water harvesting system	NABARD	12.11.2010	118.81	1000000	-	-	-
7	Threshing floor	Nil	-	-	-	-	-	-
8	Farm godown	Nil	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	1994	1,87,801	2217 hrs	Need replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer with printer	1998	85754	Working condition
Overhead Projector	1998	31900	Working condition
LCD with Screen	2006	77500	Working condition
Laptop with multimedia	2006	52000	Working condition
Multi-function photo copier	2008	74500	Working condition
Multi-function Fax machine	2009	15000	Working condition
Generator (Honda)	2010	42930	Working condition
Seed grading machine	2010	2400000	Working condition
Computer	2010	49500	Working condition

1.8. A). Details SAC meeting conducted in the year

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	18.09.2010	<ol style="list-style-type: none"> 1. Dr. M.M. Roy, Director, CAZRI 2. Dr. P.P. Rohilla, Sr. Scientist, ZPD, Zone VI 3. Shri M.S. Champavat, AD (Hort.) 4. Dr. N.K. Sharma, ADR, ARS, Jalore 5. Shri V.K. Pande, Deputy Director, Agriculture 6. Shri G.L. Nirwan, DDM, NABARD 7. Shri G.L. Kumavat, AD, Agriculture 8. Smt. Usha Puri, DD (ICDS) 9. Shri Kulkarni, 10. Dr. Khemchand, Office Incharge, RRS, Pali 11. Dr. B.L. Jangid, Sr. Scientist (Ag, Ext.) 12. Dr. S.S. Rao, Sr. Scientist (Agro.) 	<ol style="list-style-type: none"> 1. Trials on mix cropping system may be assessed for fodder, grain productivity, economics and cropping system from feasibility point of view. 2. Traditional cropping system may be documented and specified for “farmers practice” and variety may be specified (farmers’ seed). 3. Farm area may be effectively utilized for crop/ grass/ plant / animal / seed production. 4. Productivity / yield levels of district state average may be mentioned with OFT and FLD results. (Action: SMS – Agronomy and Horticulture) 5. Formation of Self Help Group (SHG) in adopted villages and organize vocational trainings like kitchen gardening, value addition for fruit and vegetable, dairy, meat and fish products to inculcate skill and generate employment for farm women / farmers to start an enterprise. (Action: SMS – Home Science/ Animal Science/ Horticulture) 6. Training topics in livestock production and management may be revised as per the problem identified in the region (Action: SMS – Animal Science) 7. To carried out impact analysis of KVK activities, data generation on adoption, impact of technology demonstration / FLD / OFT / training and 	<p>Actions has been taken on all the recommendations</p>

	<p>13. Shri P.L. Regar, Scientist (Ag. Eng.)</p> <p>14. Dr. S. D. Sharma, Sr. Scientist (Plant Breeding)</p> <p>15. Dr. S.P.S. Tanwar, Sr. Scientist (Agronomy)</p> <p>16. Dr. S.P. Mathur, Manager, Pali Dairy</p> <p>17. Shri Raja Ram, Farmer, Village Khandi</p> <p>18. Shri Santosh, Village Hingola</p> <p>19. Shri Sajjan Singh, Village Hingola</p> <p>20. Sh. Chand Mohammad, village Mandli</p> <p>21. Sh. Deda Ram Patel, Village Gazan Garh</p>	<p>feedback, documentation of success stories from KVK adopted areas. (Action: All SMS)</p> <p>8. To educate farmers about balanced feeding, breeding & health management of animals. (Action: SMS – Animal Science)</p> <p>9. Indigenous breed may be conserved and efficiently utilized for increasing the milk production of the area. (Action: SMS – Animal Science)</p> <p>10. To identify the problem related animal science in different tehsils/ blocks and then introduce the area specific technique to increase the production of animals.</p> <p>11. OFT based on local resources availability and more number of OFT conduct.</p> <p>12. Find out schemes and policies and strengthen linkages with various line departments and NGOs working to help the rural communities. (Action: SMS – Home Science, Agril. Extn.)</p> <p>13. Human drudgery in various farm operations may be reduced by making farmwomen aware of various improved equipments, using solar equipments for cooking and lightening etc. (Action: SMS – Home Science, Agril. Extn.)</p> <p>14. Management (demonstration units) of Nursery & orchard at KVK and farmers' field. (Action: SMS – Horticulture)</p> <p>15. To develop crop museum, Integrated Farming System and Instructional units at KVK farm for farmers. (Action: All SMS)</p>
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2. DETAILS OF DISTRICT (2010-11)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Rainfed- Rohat and Pali tehsils
2.	Mainly canal command area and partially well irrigated- Sumerpur, Bali, Desuri
3.	Mainly well irrigated and partially canal command- Sojat, Raipur, Jaitaran and Marwar Jn. tehsils

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1.	Transitional Plain of Luni Basin	This area lies between the Aravalli ranges and western arid region. The region has semi-arid climate with an annual rainfall of 30 to 50 cm. It is drained by the river Luni which is seasonal and flows only during rainy season. A number of paleo-channels also exist in this area. The western part of this region is dotted with sand dunes, interspersed in alluvial soil. Luni and its several tributaries like Sukri, Mithri and Jawai have made this area productive. The climatic conditions are almost the same as in the western arid region except that the rainfall is slightly higher. Groundwater level is high in the river basins, and has been usefully taped for irrigation. Vegetation is xerophytic and sparse in the western part but in the east and on the slopes of the Aravalli ranges, there is mesophytic vegetation in the form of woodland, open forest and grasslands. The area produces bajra, maize, guar, sesame and pulses in the kharif season. In the rabi season wheat, barley and mustard are the dominant crops, specially in the irrigated area.
2.	Semi-arid transitional plain	The semi-arid transitional plain lies roughly between eastern margins of western desert and western foothills of Aravalli. It is formed of alluvium deposits laid by Luni, Gaggar, Saraswati, Chouthan and Sutlej river system. However, from western arid region the slop generally run from east to west and north to south. The north eastern part of the region has a general elevation of about 300 meters above m.s.l. but towards the south the elevation is about 150 meters except in Jalore, Sivana upland with lies above 300 meters. In eastern semi-arid plain, the topography is varied as a result, the region presents queer and confused amalgam of low land upland topography

2.3 Soil type/s

S. No	Soil type	Characteristics	Area (ha)
1.	Typic Torripsamments <i>Ustochreptic Camborthids</i> (Map Unit 114)	Very deep, well drained, sandy soils on gently sloppy plains with sandy surface, severely eroded, associated with: Very deep, well drained coarse loamy soil, severely eroded, slightly saline	205900
2.	Typic Camborthids <i>Typic Camborthids</i> (Map Unit 122)	Very deep, well drained, coarse loamy soil on very gently slopping plain with sandy surface, moderately eroded, associated with: Shallow, well drained, fine loamy soil, slightly eroded, slightly saline	196300
3.	Typic Camborthids <i>Typic Camborthids</i>	Moderately shallow, well drained, fine loamy soils on nearly level plain with loamy surface, slightly eroded, associated	140200

	(Map Unit 129)	with: Moderately shallow, well drained, fine soils, moderately eroded, moderately saline.	
4.	Typic Camborthids <i>Typic Camborthids</i> (Map Unit 125)	Very deep, moderately well drained, coarse loamy soils, on very gently slopy aeofluvial plains of luni basin with sandy surface, moderate erosion associated with: very deep, well drained, coarse loamy soils on very gently slopy aeofluvial plains of luni basin with slight erosion slightly saline and sodic	132200

2.4 Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl/ha)
1.	Sorghum	107755	546660	5.07
2.	Pearl millet	95437	467610	4.90
3.	Maize	22589	147260	6.52
4.	Sesame	84716	458820	5.42
5.	Green gram	59262	303530	5.12
6.	Mothbean	7139	14170	1.95
7.	Clusterbean	50699	358740	7.08
8.	Cotton	3268	26410	8.08
9.	Mustard	65883	915990	13.90
10.	Wheat	77302	1382710	17.89
11.	Barley	4065	73110	17.99
12.	Gram	30065	293690	8.62
13.	Cumin	5797	25630	4.42

Source: Office of Deputy Director, Agriculture (Extension), District Pali

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	I	II
Apr.-10	0.0	42.0	25.8	39.9	21.9
May-10	6.0	44.0	29.2	50.7	23.1
June-10	21.4	41.7	29.4	56.6	34.8
July-10	104.0	37.3	27.6	82.2	58.7
Aug.-10	25.6	31.5	25.7	89.6	71.7
Sept.-10	0.0	33.5	23.3	84.2	59.9
Oct.-10	0.0	36.6	20.0	69.8	38.9
Nov.-10	0.5	29.3	16.1	80.7	55.2
Dec.-10	0.0	26.0	7.6	86.9	41.3
Jan.-11	0.0	25.5	5.8	76.7	35.9
Feb.-11	0.0	29.0	12.2	66.5	27.4
March-11	0.0	34.5	17.7	59.6	39.4

Source: Agromet Section, CAZRI, RRS, Pali

2.6 Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	2485	N.A.	N.A.
Indigenous	413549	47000	2.79
Buffalo	313531	195000	4.29
Sheep	1360904	1848107*	1.358**
Goats	605755	29000	0.57
Pigs	13429	N.A.	N.A.
Rabbits	90	N.A.	N.A.
Poultry			
Hens	73467	N.A.	N.A.

Note: * Wool production in kg

** Wool productivity in kg

Source: Office of Deputy Director (Animal Husbandry), District Pali

2.7 Details of Operational area / Villages (2010-11)

S. No	P. S.	Block	Village	Major crops	Major problems	Thrust Areas
1	Rohat	Rohat	<ul style="list-style-type: none"> • Khandi 	<ul style="list-style-type: none"> • Pearl millet • Green gram, • Mothbean • Sorghum • Sesame 	<ul style="list-style-type: none"> • Weed management in rainfed crops • low yield of major crops • Fodder scarcity 	Dry land farming
2	Pali	Pali	<ul style="list-style-type: none"> • Khetawas • Giradara • Gulabpura 	<ul style="list-style-type: none"> • Gram • Sorghum • Sesame • Green gram • Pearl millet • Wheat 	<ul style="list-style-type: none"> • Saline/sodic land/irrigation water • Poor fertility status of land/low yield of major crops 	Dry land farming and Conserve moisture agriculture
3	Marwar Jn.	Marwar Jn.	<ul style="list-style-type: none"> • Bithura Kalan • Rampura • Hingola Kalan 	<ul style="list-style-type: none"> • Wheat • Barley • Mustard • Green gram • Clusterbean • Sorghum • Sesame 	<ul style="list-style-type: none"> • Saline/sodic land/irrigation water • Poor fertility status of land/low yield of major crops 	Integrated crop management
4	Desuri	Desuri	<ul style="list-style-type: none"> • Busi • Inderwada • Patherly 	<ul style="list-style-type: none"> • Wheat • Mustard • Barley • Cumin • Green gram • Clusterbean • Sorghum • Sesame 	<ul style="list-style-type: none"> • Saline/sodic land/irrigation water • Poor fertility status of land • low yield of major crops 	Integrated crop management

2.8 Priority/thrust areas

<i>Thrust area</i>
Management of limited, saline/ sodic water and soil
Dry land farming and integrated watershed management practices
Arid and semi arid horticultural practices
Pasture development
Livestock production and its management
Upliftment of rural communities through various vocations especially for socio-economically poor people

<i>Crop/Enterprise</i>	<i>Thrust area</i>
Wheat	Integrated nutrient management
Mustard	Integrated nutrient management
Cumin	Integrated pest management
Dhaman Grass	High yielding varieties
Moong	Integrated nutrient management
Til	Integrated nutrient management

3. TECHNICAL ACHIEVEMENTS

3.A Details of target and achievements of mandatory activities by KVK during 2010-11

<i>OFT (Technology Assessment and Refinement)</i>				<i>FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)</i>			
<i>1</i>				<i>2</i>			
<i>Number of OFTs</i>		<i>Number of Farmers</i>		<i>Number of FLDs</i>		<i>Number of Farmers</i>	
<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>
5	5	30	30	200	280	170	310

<i>Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)</i>					<i>Extension Activities</i>			
<i>3</i>					<i>4</i>			
<i>Number of Courses</i>			<i>Number of Participants</i>		<i>Number of activities</i>		<i>Number of participants</i>	
<i>Clientele</i>	<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>	<i>Targets</i>	<i>Achievement</i>
Farmers	120	139	2500	3513	400	529	5000	9860
Rural youth	6	10	150	200				
Extn. Functionaries								

<i>Seed Production (Qtl.)</i>		<i>Planting material (Nos.)</i>	
<i>5</i>		<i>6</i>	
<i>Target</i>	<i>Achievement</i>	<i>Target</i>	<i>Achievement</i>
5	12	1000	2500

3.B Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					Supply of seeds, planting materials etc.
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training extension personnel if any	Extension activities	
1.	Management of limited, saline/ sodic water and soil	1. Wheat 2. Mustard 3. Cumin 4. Methi	Low yield due saline/sodic soil and water	1. Production maximization of wheat under saline/ sodic soil and irrigation water 2. Production of maximum mustard under rainfed condition 3. Production of cumin under IPM 4. Production of methi under IPM	1. Production of wheat under saline and sodic soil 2. Production of mustard good quality of oil 3. Production of cumin good quality of seed 4. Production of methi good quality seed	-	-	-	1. Seeds of RAJ 4037 var. 2. NRC DR 2 3. RZ 223 4. RD 668 5. RMT 305
2.	Dry land farming	Fodder Sorghum	Low yield	Improving quality and production of fodder Sorghum	-	-	-	-	Seeds of sorghum (SV-1080) SML 668
3.	Dry land farming	Moong	Low yield	Improving productivity of moong seed	-	-	-	-	RT 346
4.	Dry land farming	Til	Low yield	Improving productivity of Til seed and oils	-	-	-	-	FYM, Vermi-compost
5.	Arid and semi arid horticultural practices	Ber	Low yield	Yield improvement of ber orchards through vermi composting and organic manuring with water conservation techniques	-	-	-	-	

3.1 Achievements on technologies assessed and refined

A. Technologies assessed

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

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

* Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.

A.2 Abstract of the number of technologies **refined*** in respect of crops/enterprises

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

* Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.

A.3 Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	3	0	5	5	0	0	0	13
Disease of Management	2	0	5	5	0	0	0	12
Value Addition	0	0	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	6	0	4	4	0	0	0	14
Small Scale income generating enterprises	3	0	3	3	0	0	0	9
TOTAL	14	0	17	17	0	0	0	48

A.4 Abstract on the number of technologies **refined** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	5	0	5	5	0	0	0	15
Disease of Management	0	0	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0	0	0

Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	5	0	5	5	0	0	0	15
Small Scale income generating enterprises	2	0	2	2	0	0	0	6
TOTAL	12	0	12	12	0	0	0	36

B. Details of each On Farm Trial to be furnished in the following format

A. Technology Assessment

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. **Thematic area** :
7. **Performance of the Technology with performance indicators** : Higher yield than farmers' practice
8. **Final recommendation for micro level situation** : High production
9. **Constraints identified and feedback for research** : Nil
10. **Process of farmers participation and their reaction** : Good quality seed and high production

Trial 2: Mustard

1. **Title** : Production maximization of mustard under rainfed condition
2. **Problem diagnose/defined** : Low yield due to low rainfall
3. **Details of technologies selected for assessment/ refinement** : High yielding variety for rainfed condition (NRC DR 2)
4. **Source of technology** : NRC Raipseed and Mustard, Bharatpur
5. **Production system thematic area** : Irrigated, Varietal evaluation
6. **Thematic area** : Rainfed farming
7. **Performance of the Technology with performance indicators** : Higher yield than farmers' practice
8. **Final recommendation for micro level situation** : High production
9. **Constraints identified and feedback for research** : Nil
10. **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 low rainfall
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. **Thematic area** : Rainfed farming
7. **Performance of the Technology with performance indicators** : Higher yield than farmers' practice
8. **Final recommendation for micro level situation** : High production
9. **Constraints identified and feedback for research** : Yellowish at the time of flowering
10. **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 17)
4. **Source of technology** : NRC for Sorghum, Hyderabad
5. **Production system thematic area** : Rainfed, Varietal evaluation
6. **Thematic area** :
7. **Performance of the Technology with performance indicators** : Higher fodder yield than farmers' practice
8. **Final recommendation for micro level situation** : In progress
9. **Constraints identified and feedback for research** : In progress
10. **Process of farmers participation and their reaction** : In progress

Trial 5: Ber

1. **Title** : Improving production technologies of ber in rainfed conditions of Pali district
2. **Problem diagnose/defined** : Low yield
3. **Details of technologies selected for assessment/ refinement** : High yielding variety (Gola)
4. **Source of technology** : CAZRI, Jodhpur
5. **Production system thematic area** : Rainfed, Varietal evaluation
6. **Thematic area** :
7. **Performance of the Technology with performance indicators** : Good quality fruits and high production
8. **Final recommendation for micro level situation** : Good quality fruits and insect free
9. **Constraints identified and feedback for research** : Nil
10. **Process of farmers participation and their reaction** : High production of fruits

B. Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Wheat	Irrigated	Low yield due saline/sodic soil and water	Production maximization of wheat under saline/ sodic soil and irrigation water	5	High yielding variety for saline/sodic conditions (RAJ 4037)	Grain yield and straw	-	Conti.	Conti.
Cumin	Irrigated	Low yield due to saline/sodic soil and water	Low productivity of cumin	3	High yielding variety for saline/sodic conditions (RZ 223)	Grain yield		Conti.	Conti.

* No. of farmers

Technology Assessed		*Production per unit			Net Return (Profit) in Rs. / unit			BC Ratio			
11		12			13			14			
T ₁	T ₂	T ₃	T ₁	T ₂	T ₃	T ₁	T ₂	T ₃			
Local var.	Raj 3077	Raj 4037	2150	2525	2875	14120	18260	21720	2.1	2.5	2.7
Local var.	RZ 19	RZ 223	564	757	966	28500	45875	67000	1.67	1.94	2.24

*Field crops – kg/ha, * for horticultural crops = kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

Note: T₁= Farmers' practice, T₂ = Recommended, T₃ = Refined

*Field crops – kg/ha, * for horticultural crops = kg/plant, * milk and meat – litres or kg/animal

Raj 4037 variety was adopted by 10 farmers as it was found to be best for problematic soil and water conditions.

RZ 223 variety was adopted by 20 farmers. It was found to be best for problematic soil and water conditions.

Circular catchment's for rainwater harvesting +pond soil+ vermicompost application practice was also adopted by the 20 farmers. The main reason for adoption was run of water during rainy season and lack of soil moisture during rest of season. Secondly pond soil increases water holding capacity and provides some nutrients also.

Vermicompost attributes to increase in soil fertility as well as water retention capacity.

B. Technology Refinement**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

Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology refined	Parameters	Data on the parameter	Results of refinement	Feedback from the farmer	Justification for refinement
Ber	Rainfed	Low yield	Yield improvement of ber orchards through organic manuring with water conservation techniques	501	Rainwater harvesting (Circular catchment) + nutrient management through FYM (50 kg)+ Vermi-compost (10 kg) per plant	Fruit yield	-	Conti.	Conti.	Conti.

* No. of farmers

Technology Assessed / Refined		*Production per unit			Net Return (Profit) in Rs. / unit			BC Ratio			
		12			13			14			
<i>T₁</i>	<i>T₂</i>	<i>T₃</i>	<i>T₁</i>	<i>T₂</i>	<i>T₃</i>	<i>T₁</i>	<i>T₂</i>	<i>T₃</i>	<i>T₁</i>	<i>T₂</i>	<i>T₃</i>
No water harvesting, No manuring	Circular catchment for rainwater harvesting +pond soil + FYM	Circular catchment for rainwater harvesting +pond soil+ vermicompost	23.7	34.3	40.1	131.3	291.1	350.9	2.3	3.4	3.7

*Field crops – kg/ha, * for horticultural crops – = kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

Note: *T₁* = Farmers' practice, *T₂* = Recommended, *T₃* = Refined

*Field crops – kg/ha, * for horticultural crops = kg/plant, * milk and meat – litres or kg/animal

3.2 Achievements of Frontline Demonstrations

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2010-11 and recommended for large scale adoption in the district

S. No	Crop/Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1.	Til	Integrated crop management	Package of practices for Sesame <ul style="list-style-type: none"> Seed (RT 346) Fertilizer (DAP 54 kg/ ha) Biofertilizer (PSB) 	<ul style="list-style-type: none"> Result demonstration Extension literature Extension activities viz. Field day, Kisan Goshthi, Field visit etc. 	20	150	80
2.	Moong	Integrated crop management	Package of practices for Moong <ul style="list-style-type: none"> Seed (SML 668) Fertilizer (DAP 65 kg/ ha) Biofertilizers (PSB, PSB) 	<ul style="list-style-type: none"> Result demonstration Extension literature Extension activities viz. Field day, Kisan Goshthi, Field visit etc. 	10	40	30
3.	Mustard	Integrated crop management	Package of practices for Mustard <ul style="list-style-type: none"> Seed (NRC DR2) Fertilizer (DAP 87, Urea 96, Sulphur 40 kg/ ha) Biofertilizers (PSB, PSB) IPM 	<ul style="list-style-type: none"> Result demonstration Extension literature Extension activities viz. Field day, Kisan Goshthi, Field visit, farmers' scientists interaction etc. 	4	20	25
4.	Wheat	Varietal evaluation	Improved Wheat var. Raj 4037	<ul style="list-style-type: none"> Result demonstration Extension literature 	15	45	25
5.	Barley	Varietal evaluation	Improved Barley var. RD 2052, RD 2503, RD 2552, RD 2668	<ul style="list-style-type: none"> Result demonstration Extension literature 	20	80	40
6.	Cumin	Varietal evaluation	Improved Cumin var. RZ 223	<ul style="list-style-type: none"> Result demonstration Extension literature Extension activities viz. Field day, Kisan Goshthi, Field visit etc. 	15	40	20

* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during 2010-11 (Information is to be furnished in the following **three tables** for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Wheat	Varietal performance	Seed, Biofertilizer	Rabi 2010 - 11	15	15	07	23	30	-
2.	Barley	Varietal performance	Seed, Biofertilizer	Rabi 2010 - 11	15	15	10	20	30	-
3.	Cluster bean	Varietal performance	Seed, Biofertilizer	Kharif 2010	10	10	05	15	20	-
4.	Sorghum	Varietal performance	Seed, Biofertilizer	Kharif 2010	10	10	05	10	15	-
5.	Cumin	Varietal performance	Seed, Organic manure	Rabi 2010 - 11	10	10	10	20	30	-
6.	Methi	Varietal performance	Seed, Organic manure	Rabi 2010 - 11	00	10	10	20	30	-
7.	Okra	High production	Seed, Organic manure	Kharif 2010	00	10	20	20	40	-
8.	Kachra	High production	Seed, organic manure	Kharif 2010	00	05	05	20	25	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall	No. of rainy days
				N	P	K					
Wheat	Rabi	Irrigated	Sandy loam	L	L	M	Guar	2 nd week of Nov 10	2 nd week of Mar 11	0	0
Barley	Rabi	Irrigated	Sandy loam	L	L	M	Guar	3 rd week of Nov. 10	2 nd week of Mar 11	0	0
Cumin	Rabi	Irrigated	Sandy loam	L	L	M	Moong	1 st week of Nov 10	Last week of Mar 11	0	0
Mustard	Rabi	Irrigated	Sandy loam	L	L	M	Moong	15 th Sept 15 th Oct. 10	Last week of Feb 11	0	0
Methi	Rabi	Irrigated	Sandy loam	L	L	M	Til	1 st week of Nov 10	Last week of Mar 11		
Cluster bean	Kharif	Rainfed	Sandy loam	L	L	M	Fallow	2 nd week of July 10	15 th Sept. 10		
Til	Kharif	Rainfed	Sandy loam	L	L	M	Fallow	2 nd week of July 10	15 th Sept. 10		
Okra	Kharif	Irrigated	Sandy loam	L	L	M	Mustard	2 nd week of July 10	1 st week of Sept 10		
Bottle Gourd	Kharif	Irrigated	Sandy loam	L	L	M	Gram	2 nd week of July 10	1 st week of Sept 10		
Kachri	Kharif	Rainfed	Sandy loam	L	L	M	Barley	2 nd week of July 10	Sept. 10		
Kachra	Kharif	Rainfed	Sandy loam	L	L	M	Barley	2 nd week of July 10	Sept. 10		
Tinda	Kharif	Rainfed	Sandy loam	L	L	M	Wheat	2 nd week of July 10	1 st week of Sept 10		
Brinjal	Kharif	Irrigated	Sandy loam	L	L	M	Mustard	2 nd week of July 10	Oct. 10		-
Guar	Kharif	Irrigated	Sandy loam	L	L	M	Wheat	2 nd week of July 10	2 nd week of Sept 10		

Performance of FLD

Sl. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl/ha	Increase in yield (%)	parameter in relation to technology	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Wheat	Seed, Biofertilizer	Raj 4037	33	15	43.5	32.0	37.0	29.3	26.3	-	-
2.	Barley	Seed, Biofertilizer	RD 2503	13	5	40.0	32.0	37.1	29.0	27.9	-	-
			RD 2052	13	5	43.0	33.0	38.0	30.8	23.4	-	-
			RD 2552	13	5	39.0	31.0	35.5	28.1	26.3	-	-
3.	Sorghum	Seed	SV-1080	10	10	360	280	311	233	33.4	-	-
4.	Cumin	Seed, Organic manure	RZ 223	20	10	10	5.0	7.56	4.8	57.0	-	-
5.	Mustard	Seed	GM 3	30	15	19.0	13.0	15.9	12.6	26.2	-	-
			NRC DR2	5	2.5	19.5	13.0	16.0	12.8	25.0	-	-
			Ashirwad	5	2.5	18.0	13.0	15.2	12.2	24.6	-	-
6.	Maize	Seed, Biofertilizer	Phem 2	20	10	24.5	17.0	20.5	16.0	28.1	-	-
7.	Gram	Seed	Pratap	40	20	*	-	-	-	-	-	-
8.	Cluster bean	Seed, Biofertilizer	RGM 112	20	10	*	-	-	-	-	-	-
9.	Okra	Varietal seed	AA, Prabani Kranti	20	05	90	40	65	50	30.0	-	-
10.	Bottle Gourd	Varietal seed	Pusa Naveen	32	10	200	80	140	60	13.3	-	-

* No yield measure due to long dry spell & drought condition during the reporting period.

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check		
14	15	16	17	18	19	20	21
20300	18700	48248	39275	27948	19575	2.4	1.9
15275	14565	43810	31720	28535	17055	2.9	2.1
16275	15500	44729	34200	28454	18700	2.7	2.0
14903	14200	39740	30372	24837	16172	2.6	2.1
5010	4830	14130	9076	9120	4246	2.8	1.8
31200	30280	89375	60000	58175	29720	2.86	1.98
17080	16876	47677	34490	30597	17614	2.8	2.0
16300	16100	48780	35500	32480	19400	3.0	2.2
15700	15100	46200	33400	30500	18300	3.0	2.2
9970	8479	28875	19700	18905	11221	2.9	2.3
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

<i>Crop</i>	<i>Season</i>	<i>Component</i>	<i>Farming situation</i>	<i>Average yield (q/ha)</i>	<i>Local check (q/ha)</i>	<i>Percentage increase in productivity over local check</i>
Wheat	Rabi	1. Seed/Variety Raj 4037	Irrigated	37.0	29.3	26.3
Barley	Rabi	1. Seed/Variety RD 2503	Irrigated	37.1	29.0	27.9
		2. Seed/Variety RD 2052	Irrigated	38.0	30.8	23.4
		3. Seed/Variety RD 2552	Irrigated	35.5	28.1	26.3
Cumin	Rabi	1. Seed/Variety RZ 223	Irrigated	7.56	4.8	57.0
Sorghum	Summer	1. Seed/Variety SV 1080	Irrigated	280.0	233.0	33.4
Cluster bean	Kharif	1. Seed/Variety RGM 112	Rainfed	18.5	12.2	66.67
Mustard	Rabi	1. Seed/Variety GM 3	Irrigated	15.9	12.6	26.2
		2. Seed/Variety NRC DR2	Irrigated	16.0	12.8	25.0
		3. Seed/Variety Ashirwad	Irrigated	15.2	12.2	24.6
Methi	Rabi	1. Seed/Variety RMt 305	Irrigated	16.2	10.11	62.4
Bottle Gourd	Rabi	1. Seed/Variety	Irrigated	*	-	-
Okra	Kharif	1. Seed/Variety AA	Irrigated	*	-	-
		1. Seed/Variety Prabhani Kranti	Irrigated	*	-	-
Turai	Kharif	1. Seed/Variety	Irrigated	*	-	-
Tinda	Kharif	1. Seed/Variety	Irrigated	*	-	-
Kachra	Kharif	1. Seed/Variety AHS 82	Unirrigated	55.0	40.0	72.7
Kachri	Kharif	1. Seed/Variety AHK 119	Unirrigated	65.6	45.2	68.9
Tinda	Kharif	1. Seed/Variety	Unirrigated	*	-	-

* No yield due to drought conditions.

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Non-availability of seeds of latest high yielding variety of all major crops viz. cumin, wheat, gram, moong, guar, etc and biofertilizer in time

Farmers' reactions on specific technologies

S. No	Feed Back
1	<ul style="list-style-type: none"> • Early vigorous growth and branching of Mustard var. NRC DR2, Pusa Bold and GM3 appreciated by the farmers along with Bold size quality grain & pod containing higher oil content due to basal dose of fertilizer & sulphur. • Variety of mustard gave better performance under limited water as compared to local in terms of branching, no. of siliqua, size of siliqua, & grain etc
2	<ul style="list-style-type: none"> • RZ 223 disease resistant like wilt, powdery mildew disease and higher production and good quality seed
3	<ul style="list-style-type: none"> • Raj 4037 Higher production of grain and good quality of seed in arid region
4	<ul style="list-style-type: none"> • RD 2052, RD 2503, RD 2552 Higher yield in rainfed condition, disease resistant variety

Extension and Training activities under FLD

Sl No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	04	11.11.2010, 21.12.2010, 17.1.2011, 22.1.2011,	412	DDM, NABARD, Dy. Dir. Ag. Pali attended
2	Farmers Training	20	9.7.2010, 19.7.2010, 26.8.2010, 9.9.2010, 10.9.2010, 11.9.2010, 14.9.2010, 15.9.2010, 30.9.2010, 1.10.2010, 5.10.2010, 15.10.2010, 18.10.2010, 25.10.2010, 16.11.2010, 18.11.2010, 8.1.2011, 17.1.2011, 9.2.2011, 14.2.2011	692	KVK SMS and field functionaries
3	Media coverage	25	-	-	

c. Details of FLD on Enterprises*(i) Farm Implements*

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
-	-	-	-	-	-	-	-	-

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Multi Nutrient Feed Block	Indigenous breed	05	45	Balance feeding of animals	-	-	20% milk increase	
Urea molasses	Indigenous breed	10	75	Increasing nutritive value of dry fodder	-	-	15% milk increase	
Balance feeding	Indigenous breed	35	35	Increasing milk production	-	-	30-35% milk increase	
Worm infestation	Indigenous breed	70	9782	Disease incidence decrease	-	-	70% animals are free from worms	

* Milk production, meat production, egg production, reduction in disease incidence etc.

(iii) Other Enterprises

Enterprise	Variety/ breed/ Species/ others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Vermi compost	<i>Assenia foetida</i>	10	30	Production of vermi-compost	30 quintal	12 quintal	83%	

3.3 Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

A) ON Campus

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	1	19	0	19	3	0	3	22	0	22
Cropping Systems	3	15	0	15	37	0	37	52	0	52
Water management	2	41	0	41	13	0	13	54	0	54
Seed production	1	11	0	11	2	0	2	13	0	13
Fodder production	1	19	0	19	5	0	5	24	0	24
II Horticulture										
a) Vegetable Crops										
Production technology of vegetables	2	14	36	50	16	0	16	30	36	66
Nursery raising	1	77	0	77	7	0	7	84	0	84
b) Fruits										
Cultivation of Fruit	2	67	0	67	13	0	13	80	0	80
Processing and value addition	1	1	12	13	0	7	7	1	19	20
III Soil Health and Fertility Management							0	0	0	0
Integrated Nutrient Management	1	29	0	29	5	0	5	34	0	34
Production and use of organic inputs	1	23	0	23	8	0	8	31	0	31
Management of Problematic soils	1	22	0	22	8	0	8	30	0	30
IV Livestock Production and Management										
Dairy Management	2	18	0	18	19	0	19	37	0	37
Disease Management	1	6	0	6	10	0	10	16	0	16
Feed management	1	7	0	7	4	0	4	11	0	11
Production of quality animal products	1	7	0	7	2	0	2	9	0	9
V Home Science/Women empowerment								0	0	0
Design and development of low/minimum cost diet	1	0	0	0	0	35	35	0	35	35
Storage loss minimization techniques	1	0	25	25	0	5	5	0	30	30
Value addition	2	0	20	20	0	25	25	0	45	45

Income generation activities for empowerment of rural Women	1	0	0	0	0	20	20	0	20	20
VI Agril. Engineering								0	0	0
Repair and maintenance of farm machinery and implements	4	72	0	72	22	0	22	94	0	94
VII Plant Protection										
VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										
Mobilization of social capital	2	45	0	45	10	3	13	55	3	58
Entrepreneurial development of farmers/youths	3	70	0	70	15	0	15	85	0	85
Leadership development	1	12	0	12	3	0	3	15	0	15
Group dynamics	1	20	0	20	0	0	0	20	0	20
XI Agro-forestry										
TOTAL	38	59	93	68	20	2	95	79	18	985
(B) RURAL YOUTH										
Production of organic inputs	2	55	0	55	5	0	5	60	0	60
Vermi-culture	2	45	0	45	10	0	10	55	0	55
TOTAL	4	10	0	10	15	0	15	11	0	115
Grand Total	42	69	93	78	21	7	95	31	91	110
		5		8			2	2	8	0

B) OFF Campus

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	2	27	0	27	10	0	10	37	0	37
Cropping Systems	2	23	0	23	6	0	6	29	0	29
Water management	2	25	0	25	12	0	12	37	0	37
Seed production	2	28	0	28	6	0	6	34	0	34
Fodder production	2	37	0	37	9	0	9	46	0	46
Integrated Crop Management	4	65	0	65	15	0	15	80	0	80
Production of organic inputs	11	110	0	110	67	0	67	177	0	177
II Horticulture										
a) Vegetable Crops										
Production technology of vegetables	0	0	0	0	0	0	0	0	0	0

Nursery raising	2	46	0	46	9	0	9	55	0	55
Production of low volume and high value crops	2	54	0	54	5	0	5	59	0	59
b) Fruits										
Cultivation of Fruit	2	45	0	45	4	0	4	49	0	49
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Training and Pruning	1	13	0	13	2	0	2	15	0	15
Layout and Management of Orchards	2	30	0	30	3	0	3	33	0	33
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
c) Spices										
Production and Management technology	2	64	0	64	7	0	7	71	0	71
III Soil Health and Fertility Management				0			0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Soil fertility management	2	27	0	27	6	0	6	33	0	33
Soil and Water Conservation	1	12	0	12	7	0	7	19	0	19
IV Livestock Production and Management										
Dairy Management	5	79	27	106	17	5	22	96	32	128
Disease Management	5	73	21	94	42	7	49	115	28	143
Feed management	6	108	14	122	35	9	44	143	23	166
Production of quality animal products	4	73	12	85	26	9	35	99	21	120
V Home Science/Women empowerment										
Designing and development for high nutrient efficiency diet	1	0	20	20	0	15	15	0	35	35
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	3	0	60	60	0	15	15	0	75	75
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	1	0	20	20	0	0	0	0	20	20
Location specific drudgery reduction technologies	1	0	30	30	0	5	5	0	35	35
Women and child care	1	0	0	0	0	35	35	0	35	35
VI Agril. Engineering				0			0	0	0	0
Repair and maintenance of farm machinery and implements	3	65	15	80	16	10	26	81	25	106
VII Plant Protection				0			0	0	0	0
Integrated Pest Management	3	70	20	90	50	10	60	120	30	150

VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										
Mobilization of social capital	5	60	10	70	15	5	20	75	15	90
Entrepreneurial development of farmers/youths	5	80	15	95	2	1	3	82	16	98
Leadership development	3	16	2	18	5	0	5	21	2	23
Group dynamics	3	58	10	68	7	2	9	65	12	77
XI Agro-forestry										
Integrated Farming Systems	5	103	15	118	80	10	90	183	25	208
TOTAL	93	1391	291	1682	463	138	601	1854	429	2283
(B) RURAL YOUTH										
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Vermi-culture	1	25	10	35	5	5	10	30	15	45
Integrated farming	1	35	5	40	10	5	15	45	10	55
Rural Crafts	2	25	5	30	0	0	0	25	5	30
TOTAL	4	85	20	105	15	10	25	100	30	130
Grand Total	97	1476	311	1787	478	148	626	1954	459	2413

C) Consolidated table (ON and OFF Campus)

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	3	46	0	46	13	0	13	59	0	59
Cropping Systems	5	38	0	38	43	0	43	81	0	81
Water management	4	66	0	66	25	0	25	91	0	91
Seed production	3	39	0	39	8	0	8	47	0	47
Fodder production	3	56	0	56	14	0	14	70	0	70
Integrated Crop Management	4	65	0	65	15	0	15	80	0	80
Production of organic inputs	11	110	0	110	67	0	67	177	0	177
II Horticulture										
a) Vegetable Crops										
Production technology of vegetables	2	14	36	50	16	0	16	30	36	66
Nursery raising	3	123	0	123	16	0	16	139	0	139
Production of low volume and high value crops	2	54	0	54	5	0	5	59	0	59
b) Fruits										

Cultivation of Fruit	4	112	0	112	17	0	17	129	0	129
Processing and value addition	1	1	12	13	0	7	7	1	19	20
Training and Pruning	1	13	0	13	2	0	2	15	0	15
Layout and Management of Orchards	2	30	0	30	3	0	3	33	0	33
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
c) Spices										
Production and Management technology	2	64	0	64	7	0	7	71	0	71
III Soil Health and Fertility Management										
Integrated Nutrient Management	1	29	0	29	5	0	5	34	0	34
Production and use of organic inputs	1	23	0	23	8	0	8	31	0	31
Management of Problematic soils	1	22	0	22	8	0	8	30	0	30
Soil fertility management	2	27	0	27	6	0	6	33	0	33
Soil and Water Conservation	1	12	0	12	7	0	7	19	0	19
IV Livestock Production and Management										
Dairy Management	7	97	27	124	36	5	41	133	32	165
Disease Management	6	79	21	100	52	7	59	131	28	159
Feed management	7	115	14	129	39	9	48	154	23	177
Production of quality animal products	5	80	12	92	28	9	37	108	21	129
V Home Science/Women empowerment										
Designing and development for high nutrient efficiency diet	2	0	20	20	0	50	50	0	70	70
Storage loss minimization techniques	1	0	25	25	0	5	5	0	30	30
Value addition	5	0	80	80	0	40	40	0	120	120
Income generation activities for empowerment of rural Women	1	0	0	0	0	20	20	0	20	20
Gender mainstreaming through SHGs	1	0	20	20	0	0	0	0	20	20
Location specific drudgery reduction technologies	1	0	30	30	0	5	5	0	35	35
Women and child care	1	0	0	0	0	35	35	0	35	35
VI Agril. Engineering										
Repair and maintenance of farm machinery and implements	7	137	15	152	38	10	48	175	25	200
VII Plant Protection										
Integrated Pest Management	3	70	20	90	50	10	60	120	30	150
VIII Fisheries										
IX Production of Inputs at site										
X Capacity Building and Group Dynamics										

Mobilization of social capital	7	105	10	115	25	8	33	130	18	148
Entrepreneurial development of farmers/youths	8	150	15	165	17	1	18	167	16	183
Leadership development	4	28	2	30	8	0	8	36	2	38
Group dynamics	4	78	10	88	7	2	9	85	12	97
XI Agro-forestry										
Integrated Farming Systems	5	103	15	118	80	10	90	183	25	208
TOTAL	131	1986	384	2370	665	233	898	2651	617	3268
(B) RURAL YOUTH										
Production of organic inputs	2	55	0	55	5	0	5	60	0	60
Vermi-culture	3	70	10	80	15	5	20	85	15	100
Integrated farming	1	35	5	40	10	5	15	45	10	55
Rural Crafts	2	25	5	30	0	0	0	25	5	30
TOTAL	8	185	20	205	30	10	40	215	30	245
Grand Total	139	2171	404	2575	695	243	938	2866	647	3513

Note: Please furnish the details of above training programmes as Annexure in the proforma given below

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
4.4.2010	Farmers	Layout of fruit orchard in semi arid region	Horticulture	Arid horticulture	01	Off	14	0	14	01	0	01	15	0	15
5.4.2010	Farmers	Technique for training and pruning of ber	Horticulture	Arid horticulture	01	Off	16	0	16	02	0	02	18	0	18
7.5.2010	Farmers	Technique for training and pruning of ber plants	Horticulture	Arid horticulture	01	Off	13	0	13	02	0	02	15	0	15
19.7.2010	Farmers	Package and practice of arid fruit plant	Horticulture	Arid horticulture	01	Off	23	0	23	02	0	02	25	0	25
19.8.2010	Farmers	Technique of in situ budding of ber	Horticulture	Arid horticulture	01	Off	21	0	21	04	0	04	25	0	25
26.8.2010	Farmers	Technique of in situ budding of aonla	Horticulture	Arid horticulture	01	Off	25	0	25	05	0	05	30	0	30
9.9.2010	Farmers	Practice and package of arid fruit plants	Horticulture	Arid horticulture	01	Off	20	0	20	02	0	02	22	0	22
10.9.2010	Farmers	Technique and tips of vegetable production	Horticulture	Arid horticulture	01	Off	32	0	32	03	0	03	35	0	35
15.9.2010	Farmers	Grading and packaging of fruits and vegetables	Horticulture	Arid horticulture	01	Off	22	0	22	03	0	03	25	0	25
5.10.2010	Farmers	Improved package and practice of cumin production	Horticulture	Arid horticulture	01	Off	64	0	64	07	0	07	71	0	71
21.12.2010	Farmers	Technique and tips of lady's finger	Horticulture	Arid horticulture	01	Off	22	0	22	02	0	02	24	0	24
8.9.2010	Farm	Kitchen garden of	Horticulture	Arid horticulture	01	On	0	36	36	0	0	0	0	36	36

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants					
							Male	Female	Total	Male	Female	Total	Male	Female	Total			
	women	vegetables																
14.10.2010	Farmers	Production technology of fruits	Horticulture	Arid horticulture	01	On	46	0	46	04	0	04	50	0	50			
21-23.2.2011	Farmers	Package and practice of arid fruit plants	Horticulture	Arid horticulture	03	On	21	0	21	09	0	09	30	0	30			
24-25.2.2011	Farmers	Propagation of arid fruit plants	Horticulture	Arid horticulture	02	On	77	0	77	07	0	07	84	0	84			
24-26.2.2011	Farmers	Practice and package of vegetable production in semi arid region	Horticulture	Arid horticulture	03	On	14	0	14	16	0	16	30	0	30			
29-30.3.2011	Farm women	Processing and value addition of fruits	Horticulture	Arid horticulture	02	On	01	12	13	0	07	07	01	19	20			
8-9.9.2010	Farmers	Organic farming for sustainable agriculture	Agronomy	Clean cultivation and INM	02	On	19	0	19	03	0	03	22	0	22			
14-15.9.2010	Farmers	Cultivation practices for kharif crops	Agronomy	Clean cultivation and INM	02	On	16	02	18	05	02	07	21	04	25			
18.11.2010	Farmers	Training on improved agricultural implements	Agronomy	Clean cultivation and INM	01	On	15	0	15	10	0	10	25	0	25			
29-30.11.2010	Farmers	Efficient management of irrigation water	Agronomy	Clean cultivation and INM	02	On	19	0	19	05	0	05	24	0	24			
1-3.12.10	Farmers	Improved cultivation practices for rabi crops	Agronomy	Clean cultivation and INM	03	On	11	0	11	02	0	02	13	0	13			
13-14.12.2010	Farmers	Improved package practices for rabi oilseed	Agronomy	Clean cultivation and INM	02	On	20	0	20	07	0	07	27	0	27			
15-16.12.2010	Farmers	Seed multiplication programme of crops	Agronomy	Clean cultivation and INM	03	On	21	0	21	06	0	06	27	0	27			

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
4-6.1.2011	Farmers	Efficient management of irrigation water	Agronomy	Clean cultivation and INM	03	On	13	0	13	0	0	0	13	0	13
24-26.1.2011	Farmers	Soil fertility management	Agronomy	Clean cultivation and INM	03	On	20	0	20	08	0	08	28	0	28
27-29.1.2011	Farmers	Improved cultivation practices for fodder crops	Agronomy	Clean cultivation and INM	03	On	18	0	18	05	0	05	23	0	23
31.1.2011-2.2.2011	Farmers	Package practices for Rabi cereals	Agronomy	Clean cultivation and IDM	03	On	25	0	25	05	0	05	30	0	30
3-5.2.2011	Farmers	Weed management of crops	Agronomy	Clean cultivation of field crops	03	On	29	0	29	05	0	05	34	0	34
7-9.2.2011	Farmers	Management of problematic soil	Agronomy	Clean cultivation and INM	02	On	20	03	23	02	02	04	22	05	27
4.4.2010	Farmers	Weed management of kharif crops	Agronomy	Clean cultivation and INM	01	Off	23	0	23	08	0	08	31	0	31
6.5.2010	Farmers	Plant protection measures in kharif crops	Agronomy	Clean cultivation and INM	01	Off	22	0	22	08	0	08	30	0	30
9.7.2010	Farmers	Improved package practices of kharif cereals	Agronomy	Clean cultivation and INM	01	Off	17	03	20	05	0	05	22	05	27
19.7.2010	Farmers	Rainfed farming system	Agronomy	Clean cultivation and INM	01	Off	10	10	20	01	01	02	11	11	22
25.8.2010	Farmers	Agronomical practices for rabi cereals	Agronomy	Clean cultivation and INM	01	Off	23	0	23	06	0	06	29	0	29
11.9.2010	Farmers	Water management for rabi crops	Agronomy	Clean cultivation and INM	01	Off	12	0	12	10	0	10	22	0	22
16.9.2010	Farmers	Soil fertility management through composting	Agronomy	Clean cultivation and INM	01	Off	28	0	28	06	0	06	34	0	34

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
30.9.2010	Farmers	Fertility management through composting	Agronomy	Clean cultivation and INM	01	Off	16	0	16	05	0	05	21	0	21
15.10.2010	Farmers	Vermi composting	Agronomy	Clean cultivation and INM	01	Off	25	0	25	05	05	10	30	05	35
12.11.2010	Farmers	Rain water harvesting technology for rainfed farming	Agronomy	Clean cultivation and INM	01	Off	10	05	15	12	13	15	22	08	30
6.12.2010	Farmers	Rabi crop production technology	Agronomy	Clean cultivation and INM	01	Off	17	02	19	05	02	07	22	04	26
9.12.2010	Farmers	Fodder crop production technology in rainfed condition	Agronomy	Clean cultivation and INM	01	Off	20	0	20	10	0	10	30	0	30
12.12.2010	Farmers	Vermi-compost techniques and methods	Agronomy	Clean cultivation and INM	01	Off	24	06	30	05	05	10	29	11	40
23.12.2010	Farmers	Agronomical practices for fodder crops	Agronomy	Clean cultivation and INM	01	Off	16	05	21	06	03	09	22	08	30
12.1.2011	Farmers	Improved farm implements techniques	Agronomy	Clean cultivation and INM	01	Off	23	02	25	02	02	04	25	04	29
29.1.2011	Farmers	Weed management in rabi pulse crops	Agronomy	Clean cultivation and IWM	01	Off	30	06	36	26	10	36	56	16	72
3.2.2011	Farmers	Vermi compost production technology	Agronomy	organic farming	01	Off	15	0	15	10	0	10	25	0	25
28-30.6.2010	Farmers	Management of animal during drought	Animal Science	Dairy management	03	On	05	0	05	16	0	16	21	0	21

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
10-24.9.2010	Rural youth	Scientific dairy farming and veterinary first aids	Animal Science	Dairy management	15	On	06	0	06	10	0	10	16	0	16
27-28.12.2010	Farmer	Fodder management for dairy animals	Animal Science	Fodder management	02	On	13	0	13	03	0	03	16	0	16
20-21.1.2011	Farmer	Calf rearing and vaccination	Animal Science	Disease management	02	On	07	0	07	04	0	04	11	0	11
27-28.1.2011	Farmer	By product of animal and their marketing	Animal Science	Value addition	02	On	07	0	07	02	0	02	09	0	09
9.3.2010	Farmer	Role of mineral and vitamin in drought	Animal Science	Feed	01	Off	18	0	18	07	07	09	25	02	27
24.3.2010	Farmer	Housing during summer	Animal Science	Dairy	01	Off	22	04	26	05	01	06	27	05	32
1.4.2010	Farmer	Prevention of animal by heat stroke	Animal Science	Dairy	01	Off	15	04	19	05	03	08	20	07	27
13.5.2010	Farmer	Importance of A.I. in arid region	Animal Science	Dairy	01	Off	19	02	21	04	04	08	23	06	29
15.6.2010	Farmer	Urea treatment of wheat straw	Animal Science	Feed	01	Off	15	06	21	09	0	09	24	06	30
21.6.2010	Farmer	Management of new born calf	Animal Science	Dairy	01	Off	26	05	31	06	02	08	32	07	39
26.6.2010	Farmer	How to control of ectoparasite	Animal Science	Dairy	01	Off	17	03	20	05	01	06	22	04	26
13.7.2010	Farmer	Deficiency disease in animals and their control	Animal Science	Disease management	01	Off	20	02	22	0	0	0	20	02	22
7.9.2010	Farmer	Protozoan disease in cross breed animal	Animal Science	Disease management	01	Off	06	0	06	18	02	20	24	02	26

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
24.9.2010	Farmer	What will be proper time of insemination in cattle and buffalo	Animal Science	Dairy	01	Off	15	04	19	05	03	08	20	07	27
25.9.2010	Farmer	First aid treatment in outbreaks of disease	Animal Science	Disease management	01	Off	19	02	21	06	04	10	25	06	31
8.12.2010	Farmer	Common poisonous plants and their first aids	Animal Science	Disease management	01	Off	19	0	19	06	02	08	25	02	27
4.1.2011	Farmer	How to increase milk of your animal	Animal Science	Dairy	01	Off	23	02	25	04	03	07	27	05	32
24.1.2011	Farmer	Role of probiotic in ruminants	Animal Science	Dairy	01	Off	14	05	19	09	02	11	23	07	30
7.2.2011	Farmer	Common bacterial disease in animals	Animal Science	Disease management	01	Off	20	04	24	05	0	05	25	04	29
10.2.2011	Farmer	Common viral disease in animals	Animal Science	Disease management	01	Off	18	06	24	07	0	07	25	06	31
14.1.2011	Farmer	How to make paneer at home	Animal Science	Value addition	01	Off	15	07	22	05	01	06	20	08	28
8.12.2010	Farmer	How to make balance feed at home	Animal Science	Feed	01	Off	22	03	25	06	0	06	28	03	31
9.12.2010	Farmer	Control of Matitis in cross breed animal	Animal Science	Disease management	01	Off	15	04	19	02	01	03	17	05	22
24.1.2011	Farmer	Treatment of infertility through ITK	Animal Science	Dairy	01	Off	09	03	12	07	03	10	16	06	22
24.12.2010	Farmer	Common metabolic disease in high lactating animal	Animal Science	Dairy	01	Off	15	04	19	02	0	02	17	02	19
27.11.2010	Farmer	How to make MNFB	Animal Science	Feed	01	Off	05	11	16	03	09	12	08	20	28

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
30.12.2010	Farmer	Uses of Azolla for lactating animals	Animal Science	Feed	01	Off	09	05	14	05	04	09	14	09	23
12.2.2011	Farmer	Common grass available and their nutritive value	Animal Science	Fodder	01	Off	14	06	20	12	03	15	26	09	35
15.3.2011	Farmer	Importance of castration	Animal Science	Dairy	01	Off	19	01	20	05	02	07	24	03	27
24-25.11.2009	Farm woman	Preservation and value addition of fruit and vegetables	Home Science	Processing and value addition	02	On	0	17	17	0	10	10	0	27	27
26-27.11.2009	Rural youth	Bandhej techniques	Home Science	Income generation	02	On	0	25	25	0	05	30	0	30	30
28-29.11.2009	Farm woman	Processing and cooking	Home Science	PHT	02	On	0	15	15	0	04	04	0	19	19
9-10.12.2009	Farm woman	Value addition	Home Science	Nutrition management	02	On	0	0	0	0	35	35	0	35	35
6.12.2010	Farm woman	Nutrition management of rural child	Home Science	PHT	01	Off	0	20	20	0	05	05	0	25	25
8.12.2010	Farm woman	Location specific drudgery reduction	Home Science	Labour management	01	Off	0	10	10	0	10	10	0	20	20
9.12.2010	Farm woman	Processing and cooking	Home Science	PHT	01	Off	0	0	0	0	25	25	0	25	25
14.12.2010	Farm woman	Preservation techniques of pickles	Home Science	PHT	01	Off	0	35	35	0	0	0	0	35	35
20.12.2010	Farm woman	Value addition of different arid vegetations	Home Science	Income generation	01	Off	0	18	18	0	07	07	0	25	25
27.12.2010	Farm woman	Bandhej techniques	Home Science	Income generation	01	Off	0	12	12	0	12	12	0	24	24

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
6-8.12.2010	Farmers	Modern information technology	Agriculture Extension	Information technology	03	On	20	0	20	0	0	0	20	0	20
13-15.12.2010	Farmers	Govt. development programmes for benefit of rural community	Agriculture Extension	Rural development	03	On	25	0	25	05	02	07	30	02	32
6-8.1.2011	Farmers	Agricultural programmes for benefit of rural community.	Agriculture Extension	Rural development	03	On	20	0	20	05	01	06	25	01	26
17-19.1.2011	Farmers	Sources and procedure for purchase of quality agri-inputs	Agriculture Extension	Rural development	03	On	25	0	25	05	0	05	30	0	30
20-22.1.2011	Farmers	Mass media for information on rural development	Agriculture Extension	Information technology	03	On	25	0	25	06	0	06	31	0	31
10-12.2.2011	Farmers	Entrepreneurship development in agriculture	Agriculture Extension	Entrepreneurship	03	On	20	0	20	04	0	04	24	0	24
1-2.3.2011	Farmers	Role of Govt. benefit programmes for farmers	Agriculture Extension	Development programme	02	On	12	0	12	03	0	03	15	0	15
5.4.2010	Farmers	Source for purchase of quality agri-inputs	Agriculture Extension	Information sources	01	Off	16	0	18	05	0	05	21	02	23
19.7.201	Farmers	Information on improved agricultural technology using print media	Agriculture Extension	Information technology	01	Off	20	05	25	05	0	05	25	05	30
20.7.2010	Farmers	Mass media for information on rural development	Agriculture Extension	Rural development	01	Off	20	03	23	05	0	05	25	03	28

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off/ On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
19.8.201	Farmers	Sources and procedures of quality agro - inputs	Agriculture Extension	Information sources	01	Off	25	05	30	0	0	0	30	0	30
10.9.2010	Farmers	Mass media for information on improved agrotechnique	Agriculture Extension	Rural development	01	Off	22	0	22	10	0	10	32	0	32
30.9.2010	Farmers	Agri based enterprises for additional income generation	Agriculture Extension	Entrepreneurship	01	Off	18	03	21	05	03	08	23	06	29
15.10.2010	Farmers	Development programmes for self employment	Agriculture Extension	Employment generation	01	Off	27	0	27	19	0	19	46	0	46
19.10.2010	Farmers	Government programmes for benefit of rural community	Agriculture Extension	Rural community	01	Off	10	05	15	13	03	16	23	08	31
11.11.2010	Farmers	Modern information technology – benefit for farmers	Agriculture Extension	ICT	01	Off	16	04	20	02	02	04	18	06	24
7.12.2010	Rural youth	Role of new agricultural extension programmes for rural youth	Agriculture Extension	Youth development	01	Off	23	10	33	0	0	0	23	10	33
11.1.2011	Farmers	Mass media for rural community	Agriculture Extension	ICT	01	Off	15	02	17	12	03	15	27	05	32
13.1.2011	Rural Youth	Entrepreneurship development in agriculture	Agriculture Extension	Youth development	01	Off	16	02	18	0	0	0	16	02	18

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training				Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed		

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

S. No	Title	Thematic area	Duration (days)	Client	No. of courses	No. of Participants						Sponsoring Agency	
						Male		Female		Total			
						Others	SC/ST	Others	SC/ST	Others	SC/ST	Total	
1.	Production technology of fruits	Cultivation of Fruits	02	FW	01	30	0	0	0	30	0	30	ATMA
2.	Production technology of Vegetables	Cultivation of vegetables	01	FW	01	30	0	0	0	30	0	30	ATMA
3.	Propagation of fruit and vegetable in arid and semiarid regions	Cultivation of fruits and vegetables	03	PF	01	30	0	0	0	30	0	30	ATMA
4.	Rabi crop production	Cereal cultivation	03	PF	01	45	05	0	0	50	0	50	ATMA

	technology																				
5.	Vermi-compost methods and techniques	Organic farming	03	PF	01	35	05	0	0	40	0	40	0	40	0	40	0	40	0	40	ATMA
6.	Organic farming in rainfed conditions	Organic farming	03	PF	01	35	15	0	0	50	0	50	0	50	0	50	0	50	0	50	ATMA
7.	Technology of improved farm implements	Implements	03	PF/FW	01	30	05	05	0	35	05	35	05	35	05	35	05	35	05	35	ATMA
8.	Government programmes for rural youths	Rural developments	03	RY	01	30	20	0	0	50	0	50	0	50	0	50	0	50	0	50	ATMA
9.	Integrated nutrient management	INM	03	PF/RY	01	45	05	05	0	50	05	50	05	50	05	50	05	50	05	50	ATMA
10.	Production technology of seed spices in arid zone	Crop production	03	RY	01	30	05	0	0	35	0	35	0	35	0	35	0	35	0	35	NABARD
11.	Organic farming practices	Organic farming	03	PF/RY/FW	01	25	02	03	0	27	03	27	03	27	03	27	03	27	03	27	ATMA
Total					11	365	62	13	0	427	13	427	13	427	13	427	13	427	13	427	440

3.4. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants														
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)					
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
1.	Field day	11.11.2010, 21.12.2010, 17.1.2011, 22.1.2011	04	350	10	360	45	7	55	0	0	0	0	0	0	395	17	412
2.	Kisan Ghosthi	15.9.2010, 30.9.2010, 5.10.2010, 16.11.2010, 29.11.2010, 1.12.2010, 3.12.2010, 6.1.2011, 7.2.2011, 6.3.2011	10	502	35	537	50	10	60	05	02	07	07	07	07	557	47	604
3.	Exhibition	24.2.2011, 17.3.2011	2	1555	75	1575	102	25	127	20	02	22	02	22	1677	102	1779	
4.	Film Show	8.9.2010, 10.9.2010, 14.9.2010, 1.10.2010, 5.10.2010, 15.10.2010, 18.11.2010, 14.10.2010, 6.1.2011, 17.1.2011, 12.2.2011, 17.2.2011, 22.2.2011, 10.3.2011, 12.3.2011, 22.3.2010	16	380	30	410	30	20	50	05	0	05	0	05	415	50	465	
5.	Method Demonstrations	Seed treatment Vegetable Fruit Balance feeding De worming Quality increase of roughage by urea treatment	12 10 15 40 60 15	30 50 60 40 60 25	15 25 25 25 25 10	45 75 85 65 85 35	25 10 30 20 10 10	20 05 10 10 10 10	45 15 40 30 20 20	03 02 05 05 05 0	02 02 05 05 05 0	05 04 05 10 10 0	05 04 05 10 10 0	58 62 95 65 80 35	37 32 35 40 35 20	95 94 130 105 115 55		
6.	Farmers Seminar	-	01	135	0	135	15	0	15	0	0	0	0	0	150	0	150	
7.	Workshop	-	01	0	0	0	0	0	0	0	0	0	0	0	20	0	20	
8.	Group meetings	Adoption of new technologies	10	150	35	185	25	15	40	05	05	10	05	10	180	55	235	

9.	Lectures delivered as resource persons	102	485	50	535	90	20	110	10	05	15	585	75	660
10.	Newspaper coverage	35	0	0	0	0	0	0	0	0	0	0	0	0
11.	Radio talks	07	0	0	0	0	0	0	0	0	0	0	0	0
12.	TV talks	02	0	0	0	0	0	0	0	0	0	0	0	0
13.	Popular articles	02	0	0	0	0	0	0	0	0	0	0	0	0
14.	Extension Literature	05	0	0	0	0	0	0	0	0	0	0	0	0
15.	Advisory Services	25	0	0	0	0	0	0	0	0	0	0	0	0
16.	Scientific visit to farmers field	35	0	0	0	0	0	0	0	0	0	0	0	0
17.	Farmers visit to KVK	55	976	100	1076	296	75	371	95	15	110	1367	190	1557
18.	Diagnostic visits	25	100	50	150	50	25	75	05	10	15	155	85	240
19.	Exposure visits	10	185	10	195	50	05	55	05	05	10	230	20	250
20.	Ex-trainees Sammelan	05	50	15	65	20	05	25	05	10	15	75	30	105
21.	Soil Health Camp	05	80	15	95	10	05	15	20	02	22	100	22	100
22.	Animal Health Camp	05	35	10	45	30	05	35	0	0	0	65	15	80
23.	Self Help Group Conveners meetings	04	135	35	170	30	10	40	0	0	0	165	45	210
24.	Mahila Mandals Conveners meetings	02	0	58	58	0	15	15	0	0	0	0	73	73
25.	Celebration of important days (specify)	04	170	30	200	20	10	30	05	05	10	195	55	250
	World Environment Day													
	Science Day													
	World Woman Day													
	CAZRI foundation day													

26.	Farmers tour	-	02	40	0	40	0	10	0	10	0	0	0	0	0	0	0	50	0	50
27.	Scientist farmers interactions	Technology innovation	02	135	0	135	15	15	0	15	0	0	0	0	0	0	0	150	0	150
28.	Farmer fair		01	1130	0	1130	642	642	0	642	104	0	104	1876	0	1876	0	1876	0	1876
	Grand Total		529	6858	683	7486	1635	317	1955	329	70	379	8802	1080	9860					

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (kg.)	Value (Rs.)	Provided to No. of Farmers
OILSEEDS					
1.	Sesame	RT 346	120	-	
VEGETABLES					
1.	Bottle Gourd	Pusa Navbahar, Thar samridhi	1.0	-	
2.	Water melon	Sugar baby	0.5	-	
3.	Musk melon	D. Madhu	0.25	-	
4.	Kachari	AHK 119	0.20	-	
6.	Tinda	AHRM 01	0.5	-	
7.	Okra	AA	0.5	-	
		P K	0.5	-	
OTHERS (Specify)					
1.	Guar	RGC 1066	197	3940	-
2.	Cumin	RZ 223	160	-	-
3.	Green Gram	SML 668	110	2200	-
4.	Wheat	Raj 4037	80	-	-
5.	Barley	RD 2668	600	-	-
6.	Mustard	NRC DR2, Ashirwad, Vasundhara, T 59, Araoli, RH 30, Golden Navin	40	-	-
7.	Methi	RMt 305, AM1, AM2	325	6754	40
8.	Worms	<i>Assinia foetida</i>	4 unit	1500	04
9.	Vermi cast	-	22228	88912	20

SUMMARY

Sl. No.	Major group/class	Quantity (kg)	Value (Rs.)	Provided to No. of Farmers
1	OILSEEDS	120	-	-
2	VEGETABLES	3.45	-	-
3	OTHERS	23740+ 4 units	103306	64
TOTAL		23863.45+ 4 units	103306	64

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Ber	Gola, Sev	1000	10000	10

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	1000	10000	10
	TOTAL	1000	10000	10

3.6. Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

<i>Item</i>	<i>Title</i>	<i>Authors name</i>
Research papers		
<i>a. Full paper</i>		
	Effect of Nitrogen, Phosphorus and Zinc fertilization on soil nutrients status and yield of ber (<i>Zizyphus mauritiana</i> Lamk) cv Gola in arid and semi- arid region. <i>Environment and Ecology</i> 28 (IA):328-331, 2010	Hari Dayal, D. Singh, G.Lal and S.K. Singh (2010)
	Indian rural technology of front line demonstrations enhancing agricultural productivity under rainfed conditions of Rajasthan. <i>Indian Journal of Social Research</i> .	Dheeraj Singh, M.L. Meena, M. Choudhary, H. Dayal and A. Dudi (2010).
	Managemental practices and reproductive performance of buffaloes in rural arid region of Rajasthan. In: Proceedings of International Buffalo Conference “Optimizing buffalo productivity through conventional and novel technology”, 2010, New Delhi. 2:102.	A.C. Mathur, Gautam Dutt, N.V. Patil, B.K. Mathur and Subhash Kachhawaha
	Assessing reproductive patterns and disorders in free-ranging dogs in Jodhpur, India to optimize a population control program, <i>Theriogenology</i> , May 2010.	Sarah C. Totton, Alex I. Wandeler, Cathy J. Gartley, Subhash Kachhawaha, Mahesh Suman, Carl S, Ribble, Rick C. Rosatte, Scott A McEwen
	Biochemical and enzymatic changes in downer cow syndrome. <i>Indian Journal of Animal Science</i> , 80(4):338-339, April 2010.	Subhash Kachhawaha and R.K. Tanwar
	Economics of Camel Production in Rajasthan. <i>Journal of Camel Practice and Research</i> , 17(1): 15-20. 2010.	Khem Chand, B.L. Jangid, P.P. Rohilla, and Subhash Kachhawaha
	Hypoderma Infestation in Chinkara (<i>Gazella benettii</i>) – Case Report. <i>Intas Polivet</i> , 22(1): 117-118. 2010.	Subhash Kachhawaha and Sharvan Singh
	Impact of training and demonstration in adoption of henna production technology by farmers. <i>Journal of Extension Systems</i> , 26(1): 84-89. 2010.	M.L. Meena and Dheeraj Singh
	Constraints perceived by the farmers in adoption of improved cumin production technology. <i>Asian Journal of Extension Education</i> , 27(1&2): 48-52	M.L. Meena, N. K. Sharma and Dheeraj Singh
	Awareness of the rural and urban women about female foeticide . <i>Indian Research Journal of Extension Education</i> , 10: 35-38. 2010.	Aishwarya Dudi and A.R. Singh
	Impact of training and demonstration in adoption of henna production technology, <i>Journal of Extension System</i> ,	M.L. Mena and Dheeraj Singh

	26(1): 84-89. 2010	
	Economic contribution of improved buffalo production practices. <i>Indian Journal of Social Research</i> , 51(3): 349-353. 2010	M.L. Meena, N.K. Sharma and A. Dudi
	Prevalence of reproductive pathology in stray bitches in and around Jodhpur. <i>Veterinary Practitioner</i> , 11(2), pp. 154-155.	Subhash Kachhawaha, R.K. Tanwar and Mitesh Gaur
Total	13	
b.		
Abstracts		
	Economic Contribution of Improved Sheep Production Practices. National Seminar on Stress Management of Small Ruminants: Products and Process, CSWRI, Avikanagar. 2010. Pp. 144	M.L. Meena and Dheeraj Singh
	Sheep farming system: An approach for livelihood security in arid zones of Rajasthan. National Seminar on Stress Management in Small Ruminant Production and Product Processing. 2010. Pp. 145.	Dheeraj Singh, M.L. Meena and M.K. Choudhary
	Impact assessment of farmers' training on knowledge of sheep husbandry: A logistic regression analysis. National Seminar on Stress Management in Small Ruminant Production and Product Processing. 2010. Pp. 145.	R.K. Meena, M.L. Meena and P.K. Tomar
	Epidemiology, treatment and mineral status with dermatophytosis in calves. Proceedings of National Symposium on "Recent developments in diagnostic and therapeutic approaches for economically important disease of livestock and companion animals" and 28 th Indian Society for Veterinary Medicine, Annual Convention. 2010.	Subhash Kachhawaha, R.K. Tanwar, Alok Mathur and B.K. Mathur
	Economic analysis of frontline demonstration on the yield of mustard: A case under rainfed condition of Rajasthan. National Seminar on Role of Extension in Integrated Farming Systems for Sustainable Rural Livelihood. 9-10 December, 2010. Pp: 122	M.L. Meena, Dheeraj Singh and Aishwarya Dudi
	Change in cropping systems subsequent to farm mechanization in arid zone of Rajasthan. National Seminar on Role of Extension in Integrated Farming Systems for Sustainable Rural Livelihood. 9-10 December, 2010. Pp: 144.	M.K. Choudhary, M.L. Meena and Dheeraj Singh
	Income generated through organic farming in arid zone of Rajasthan – A case study. National Seminar on Role of Extension in Integrated Farming Systems for Sustainable Rural Livelihood. 9-10 December, 2010. Pp: 115	Aishwarya Dudi and M.L. Meena
	Production technology of cumin. National consultation on seed spices biodiversity and production for export – Perspective, potential, threats and their solutions, July 2010: 28.	Hari Dayal, D. Singh, M.K. Choudhary and M.L. Meena

	On farm trials: An approach for management of aphids in cumin crops. National consultation on seed spices biodiversity and production for export – Perspective, potential, threats and their solutions, July 2010: 49.	M.L. Meena, Dheeraj Singh, M.K. Choudhary and Aishwarya Dudi
	Level of knowledge and extent of adoption of farmers on improved cumin production technology. National consultation on seed spices biodiversity and production for export – Perspective, potential, threats and their solutions, July 2010: 61.	Aishwarya Dudi and M.L. Meena
	Training needs of cumin farmers from Pali district of Rajasthan. National consultation on seed spices biodiversity and production for export – Perspective, potential, threats and their solutions, July 2010: 63.	Dheeraj Singh, M.L. Meena, M.K. Choudhary and Hari Dayal
	Impact of frontline demonstrations on the yield of cumin in arid zone of Rajasthan. National consultation on seed spices biodiversity and production for export – Perspective, potential, threats and their solutions, July 2010: 69.	M.L. Meena, Dheeraj Singh and K.S. Shekhawat
	Impact of on farm trials in control of cumin aphid. Xth Agricultural Congress, 9-12 December, 2010 at Lucknow.	M.L. Meena and Dheeraj Singh
Total	13	
c. Book Chapters		
	Disease management and control in ruminants in arid region. In: Feeding and management of livestock during drought and scarcity. Scientific Publishers, Jodhpur (2010). Pp. 317-327.	Subhash Kachhawaha, N.V. Patil, A.K. Gahlot, B.K. Mathur and A.C. Mathur
Total	1	
Technical reports		
Popular articles		
	बकरियों के बच्चों का रख-रखाव। राजस्थान खेती प्रताप : 24–25.	सुभाष कच्छावाहा, धीरज सिंह, महेंद्र चौधरी, एष्वर्या डूडी और अजय मारु (2010).
	कृषि क्षेत्र में सूचना प्रौद्योगिकी की भूमिका। खेती गंगा, मई 2010, श्रीगंगानगर, राजस्थान।	प्रवीण कुमार तोमर और अजय मारु (2010).
Total	2	
Leaflets/folders/booklets		
	फलदार पेड़ एवं मौसम किसान जागरुकता कार्यक्रम मौसम आधारित किसान सेवा केन्द्रीय शुष्क क्षेत्र अनुसंधान संस्थान, जोधपुर एवं भारत मौसम विज्ञान विभाग, पुणे, 2010 10.12	पी. आर. मेघवाल एवं हरिदयाल
	उन्नत भेड़ पालन के लिए 10 सूत्रीय कार्यक्रम	सुभाष कच्छावाहा और धीरज सिंह
	पशु पालकों की प्रमुख समस्याएँ एवं उनका समाधान	सुभाष कच्छावाहा और धीरज सिंह
	आंवला उत्पादन तकनीक एवं आंवला प्रसंस्करण	धीरज सिंह, हरिदयाल, महेंद्र चौधरी, मोती लाल मीणा, एष्वर्या डूडी और सुभाष कच्छावाहा

Total	4	
Posters		
	सूखे चारे को यूरिया घोल से उपचारित कर चारे की पौष्टिकता बढ़ाना	
	काजरी की बहु पोषक तत्व आहार बट्टिका एवं मिश्रण	
	फसलों को हानि पहुंचाने वाले मुख्य कीट एवं रोकथाम	
	Success story of Sh. Chand Mohammad farmer	
	Success story of Sh. Deda Ram Patel farmer	
	Success story of Sh. Madan Lal Devra farmer	
	Poster on Barley species	
	Poster on Cumin species	
	कलिकायन द्वारा उन्नत फलदार पौधे तैयार करना	
	Seed production programme of vegetables under National Horticulture Mission	
	Poster on Ber rejuvenation	
	Poster on Kachra species	
	किसान भाईयों क्या आप पशुओं के कम दूध उत्पादन से चिंतित हैं ?	

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1.	VCD	1. Farm Sons Cutter/Crop cutter 2. Vermi-compost 3. Drip irrigation 4. Fruit cultivation 5. Vegetable cultivation 6. Green house 7. Post harvest technology	50

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Name : Sh. Ashok Parihar
Village : Mandli
Education : 8th pass
Income before intervention : Rs. 3000 – 3500 per month
Income after intervention : Rs. 12500 – 18500 per month
Intervention : Olericulture, vermi- composting and fruit production
Motivation : KVK trainings
Impact : Income generate, socio -economic status



Name : Sh. Balvinder Singh
Village : Pali
Education : Secondary
Income before intervention : Rs. 5000 – 8000 per month
Income after intervention : Rs. 10000 – 12000 per month
Intervention : Olericulture and crop cultivation
Motivation : KVK Vocational training
Impact : Income generate, socio -economic status and distribution of improved seed to other farmers.



3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: NIL

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Seed storage	Seed storing earthen pot with ash to control of storage pest	Insect control
2.	Cumin	Foliar spray of neem based insecticide	Insect control
3.	Stomach ache in animals	To feed Tumba powder	Control of stomach ache
4.	Methi	control of powdery mildew	Ash

3.10 Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women
- Rural Youth
- In-service personnel

3.11 Field activities

- i. Number of villages adopted : 10
- ii. No. of farm families selected : 180
- iii. No. of survey/PRA conducted : Village Khetawas

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

<i>Name of specific technology/skill transferred</i>	<i>No. of participants</i>	<i>% of adoption</i>	<i>Change in income (Rs.)</i>	
			<i>Before (Rs./Unit)</i>	<i>After (Rs./Unit)</i>
Multi-nutrient feed block/ Mixture preparation	30	65	Nil	5000 per month
Urea molasses	15	45	Nil	3000 per month
Vermi-composting unit	35	75	Nil	4500 per month

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption: NIL
(Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

Impact of training

Pre and Post evaluation of On-campus trainings

Title of Training	No. of farmers	Knowledge level (%)		Know. Gain (%)
		Pre	Post	
Training on improved agricultural implements	25	30	65	35
Modern technology of production of horticulture crops (fruits)	55	30	60	30
Processing, packaging, storage and export of horticulture crops	45	35	70	35
Rabi crop production technology	30	35	72	37
Water management for crops	25	30	65	35
Production technology of fodder crops	30	25	55	30
Nursery management of fruits and vegetables	45	35	75	40
Production technology of vegetables	40	35	75	40
Production technology of fruits	40	30	70	40
Propagation of fruit and vegetable in arid and semi arid regions	45	40	65	35
Rabi crop production technology	15	25	60	35
Preservation and value addition of fruit and vegetables	30	35	75	40
Methods of Pickles	30	30	65	35
Vermi-compost	20	25	55	30
Improved farm implements	20	20	50	30
Azolla production	30	25	65	40
Seed apices production technology	30	20	75	50
Modern information technology	25	25	60	35

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
• CAZRI, RRS, Pali	Collaborative training programme, OFT, delivering lectures, meeting and Kisan mela / field days etc
• ATMA	Collaborative training programme, demonstration, meeting and Kisan mela, field days, infrastructural development etc
• Dept of Agriculture	Participation in joint diagnostic survey, kisan melas, field days, farmers meeting, delivering lectures.
• NABARD	Implementation of recent scheme of Technology Transfer Clubs

	having basic philosophy of Self Help Groups
• Dept of Horticulture	Collaborative training programme, meeting and Kisan mela, field days etc.
• Dept of Soil Conservation	Joint course as per need is being conducted
• DRDA	Participation as technical expert in various training and developmental programmes and activities
• ICDS	Participation as technical expert in various women empowerment programmes and activities
• Nehru Yuva Kendra	Participation as technical expert in various rural youth development activities
• State Fisheries Department	Production technologies of improved fish farming
• State Forest Department	Improved nursery technology for arid fruits and ornamental plants

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

<i>S. No.</i>	<i>Project Title</i>	<i>Fund (Rs.)</i>
	NHM	
1	Model Nursery of medicinal plants at KVK farm	17,00,000.00
2	Establishment of Automatic Weather Station for disease forecasting Unit at KVK, Pali	3,88,000.00
	Grand Total	20,88,000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No: Yes

<i>S. No.</i>	<i>Programme</i>	<i>Nature of linkage</i>	<i>Remarks</i>
1.	Training	Collaborative training programme and meeting etc.	-
2.	Farmers school	Training to farmers	-
3.	Demonstrations	Production technology	-

5.4 Give details of programmes implemented under National Horticultural Mission

<i>S. No.</i>	<i>Programme</i>	<i>Nature of linkage</i>	<i>Constraints if any</i>
1.	Training	Training of farmers	-

2.	Seed multiplication programme	Seed production	
3.	Seed grading unit	Improved seed for farmers	
4.	Fruit orchard development	Fruit production	
5.	Model Nursery	Development of model nursery	-

5.5 Nature of linkage with NABARD

S. No.	Programme	Nature of linkage	Remarks
1.	Farmers tour	Exposure visit of farmers	-
2.	Rain water harvesting	Water conservation	-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1.	Ber	2010	0.7	Gola, Sev	Auctioned	98 plants	5000	18150	-
2.	Lemon	2010	0.5	Kagji Lime	Auctioned	80 plants	2000	5400	-

6.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Kg) approx.	Cost of inputs	Gross income	
Cereals									
Barley	1.12.2010	20.3.11	0.41	RD 2668	-	600	960	Not sold	-
Wheat	1.12.2010	22.3.11	0.09	Raj 4037	-	80	880	Not sold	-
Pulses									
Green gram	28.7.2010	15.10.11	1.25	SML 668	-	300	3520	2200	110 kg sold
Oilseeds									
Sesame	28.7.2010	10.10.10	1.5	RT 346	-	120	2400	Not sold	-
Fibers									
Spices & Plantation crops									
Cumin	7.11.2010 10.12.2010	15.2.11 28.3.11	1.5	RZ 223	-	160	8250	Not sold	-
Fennel	1.12.2010	20.2.11	0.5	RMt 305	-	140	396	Not sold	-
Floriculture									
Fruits									
Vegetables									
Okra	5.2.2010	10.3.10	0.2	Arka Anamika, PK	Seed	1	40	Not sold	-
Bottle Gourd	17.3.10	26.4.10	0.1	Pusa Navbahar, Thar Samridhi	Seed	1	250	Not sold	-
Others (specify)									
Guar	29.7.10	18.10.10	1	RGC 1066	Seed	197	1125	3940	-
Water Melon	11.3.10	2.5.10	0.1	Sugar Baby	Seed	0.5	-	Not sold	-
Musk Melon	12.3.10	14.4.10	0.1	D. Madhu	Seed	0.5	-	Not sold	-
Kachri	18.3.2010	29.4.10	0.1	AHK 119	Seed	0.2	-	Not sold	-
Grass	-	-	25	-	-	-	-	38000	-
Crop museum									
Mustard	3.11.10	10.3.11	0.05	NRC DR2 T 59, Vasundhara, Araoli, RH 30	Seed	40	-	Not sold	-
Wheat	20.11.10	12.3.11	0.025	Raj 4037	Seed	20	-	Not sold	-
Barley	20.11.10	12.3.11	0.025	RD 668	Seed	25	-	Not sold	-
Methi	20.11.10	15.3.11	-	RMt 305, AM1 AM2	Seed	-	-	Not sold	-
Last year farm production									
Cumin	-	-	-	-	-	240	-	51450	-
Methi	-	-	-	-	-	325	-	6754	-
Wheat	-	-	-	-	-	60	-	1050	-
Mustard	-	-	-	-	-	20	-	440	-
Ajvain	-	-	-	-	-	20	-	855	-
Saunf	-	-	-	-	-	28	-	1400	-

6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-

6.5 Rainwater Harvesting**Training programmes conducted by using Rainwater Harvesting Demonstration Unit**

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
16.11.2010, 29.11.2010, 3.12.2010, 13.12.2010	Integrated water management technology/ Management of saline water in arid condition	PF	04	75	10	85	10	05	15

6.5 Utilization of hostel facilities

Accommodation available (No. of beds): 20 (3 dormitory capacity 8 each)

<i>Months</i>	<i>No. of trainees stayed</i>	<i>Trainee days (days stayed)</i>	<i>Reasons for shortfall (if any)</i>
Apr.-10	0	0	-
May-10	25	2	-
June-10	0	0	-
July-10	30	3	-
Aug.-10	0	0	-
Sept.-10	36	3	-
	30	3	-
	20	3	-
Oct.-10	50	2	-
Nov.-10	20	3	-
	20	3	-
Dec.-10	20	2	-
	15	3	-
	20	3	-
Jan.-11	30	3	-
	35	3	-
	30	3	-
	30	3	-
	30	3	-
Feb.-11	35	3	-
	30	3	-
	30	3	-
	30	3	-
	30	3	-
	30	3	-
	30	3	-
	30	3	-
	30	3	-
March-11	0	0	-
Total	686	69	

7.0 FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

<i>Bank account</i>	<i>Name of the bank</i>	<i>Location</i>	<i>Account Number</i>
With Host Institute			
With KVK			

7.2 Utilization of funds under FLD on Oilseed (*Rs. In Lakhs*)

<i>Item</i>	<i>Released by ICAR</i>		<i>Expenditure</i>		<i>Unspent balance as on 1st April 2011</i>
	<i>Kharif 2010-11</i>	<i>Rabi 2009-10</i>	<i>Kharif 2010-11</i>	<i>Rabi 2009-10</i>	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of funds under FLD on Pulses (*Rs. In Lakhs*)

<i>Item</i>	<i>Released by ICAR</i>		<i>Expenditure</i>		<i>Unspent balance as on 1st April 2011</i>
	<i>Kharif 2010-11</i>	<i>Rabi 2009-10</i>	<i>Kharif 2010-11</i>	<i>Rabi 2009-10</i>	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.4 Utilization of funds under FLD on Cotton (*Rs. In Lakhs*)

<i>Item</i>	<i>Released by ICAR</i>	<i>Expenditure</i>	<i>Unspent balance as on 1st April 2011</i>
	<i>Kharif 2010-11</i>	<i>Kharif 2010-11</i>	
Inputs			
Extension activities			
TA/DA/POL etc.			
TOTAL			

7.5 Utilization of KVK funds during the year 2009-10 and 2010-11 (upto 1st April 2011) (year-wise separately) (current year and previous year)

YEAR 2009-2010

<i>S. No.</i>	<i>Particulars</i>	<i>Sanctioned</i>	<i>Released</i>	<i>Expenditure</i>
A. Recurring Contingencies				
1	Pay & Allowances	62,00,000		56,62,991
2	Traveling allowances	1,00,000		81,963
3	Contingencies	6,50,000		6,00,890
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,60,000		1,59,500
<i>B</i>	POL, repair of vehicles, tractor and equipments	95,000		89,127
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	80,000		65,000
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	80,000		79,302
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	95,000		93,686
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	65,000		63,522
<i>G</i>	Training of extension functionaries	50,000		
<i>H</i>	Maintenance of buildings	25,000		
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library			
TOTAL (A)		69,50,000		93,45,844
B. Non-Recurring Contingencies				
1	Works	-	-	-
2	Equipments including SWTL & Furniture	90,000	-	82,830
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	10,000	-	-
TOTAL (B)		1,00,000	-	82,830
C. REVOLVING FUND			-	-
GRAND TOTAL (A+B+C)		70,50,000	-	64,28,674

YEAR 2010-2011 (1.4.2010 – 31.3.2011)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	5300000		5535632
2	Traveling allowances	125000		82309
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	160000		159000
B	POL, repair of vehicles, tractor and equipments	95000		88132
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	80000		69598
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	80000		71884
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	95000		94875
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	65000		64079
G	Training of extension functionaries	50000		-
H	Maintenance of buildings	25000		64282
TOTAL (A)		6075000		6229791
B. Non-Recurring Contingencies				
1	Works	180000	-	49500
2	Equipments including SWTL & Furniture	650000	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	10000	-	9360
4	Library (Purchase of assets like books & journals)		-	-
TOTAL (B)		840000	-	58860
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		6915000	-	6288651

7.5 Status of revolving fund (Rs. in lakhs) for the three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2008 to March 2009	235704	20000	150983	104721
April 2009 to March 2010	104721	3720	110454	(-) 2013
April 2010 to March 2011	(-) 2013	239115	11140	225962

8.0 PLEASE INCLUDE INFORMATION WHICH HAS NOT BEEN REFLECTED ABOVE (WRITE IN DETAIL).

8.1 Constraints

- (a) Administrative
 - 1. Post of **one SMS is vacant** since the year 1999.
 - 2. Post of administrative staff viz. **one Stenographer and one driver are also vacant** since the year 1999.
- (b) Financial : Nil
- (c) Technical : Lack of farm security leads to unbearable losses making it difficult to utilize revolving fund remuneratively through seed and commercial crop production programmes