ANNUAL PROGRESS REPORT 2012-13 OF KVK, RAJOURI

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
Krishi Vigyan Kendra Tandwal, Rajouri 185131	Office 01962-264277	FAX 01962-264277	kvkrajouri@gmail.com pckvkrajouri@rediffmail.com www.kvkrajouri.nic.in

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

Address	Telephone		E mail
	Office	FAX	
Sher-e- Kashmir University of Agricultural Sciences and Technology-Jammu Chatha, J&K- 180009	0191- 2262028	0191-2262029	www. skuastjammu.org (Website)

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sanjay Khar	--	09419129115	sanjaykhar2007@gmail.com

1.4. Year of sanction: F.No.5 – 10199- AE-II, 13th Nov 2002

1.5. Staff Position (as on 31st March 2013)

S. No	Sanctioned post	Name of the incumbent	Desig.	Discipline	Pay Band & Grade Pay (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. Sanjay Khar	PC	Agril. Engg.	15600-39100 (8000)	34830	27-02-12	Permanent	General
2	Subject Matter Specialist	Dr. Punit Choudhary	SMS	Agro Forestry	15600-39100 (7000)	31180	28-05-04	Permanent	General
3	Subject Matter Specialist	Dr. Rakesh Sharma	SMS	Agri. Extension	15600-39100 (7000)	31180	28-05-04	Permanent	General
4	Subject Matter Specialist	Er. A.K. Sinha	SMS	Agril Engg.	15600-39100 (6000)	25050	25-06-07	Permanent Undergoing Ph.D	General
5	Subject Matter Specialist	Dr K. Y. Despande	SMS	Animal Science	15600-39100 (6000)	22250	11-05-10	Permanent	General

6	Subject Matter Specialist	Vacant	SMS	-	15600-39100 (6000)	-	-	-	-
7	Subject Matter Specialist	Vacant	SMS	-	15600-39100 (6000)	-	-	-	-
	Programme Assistant (Computer)	Pankaj Sharma	P A.	Computer Engineering	9300-34800 (4200)	18590	26-12-03	Permanent	General
8	Programme Assistant (Trainings)	Sh. Amit Mahajan	P A	Agronomy	9300-34800 (4200)	15210	12-08-08	Permanent	General
10	Programme Assistant (Farms)	Sh. Jyoti Prakash	P A	PHT	9300-34800 (4200)	13500	09-07-12	Permanent	General
11	Accountant / Suptd.	Vacant	-	-	-	-	-	-	-
12	Stenographer	Sh. Tariq Hussain	Computer Asstt.	M. A.	9300-34800 (4200)	15210	16-08-04	Permanent	RBA
13	Driver	Sh. Bagh Hussain	Driver	Primary	9300-34800 (4200)	18600	08-04-04	Permanent	ST
14	Driver	Sh. Dev Raj	Driver	Middle	9300-34800 (4200)	22830	01-08-12	Permanent	SC
15	Supporting staff	Sh. Jagdish Raj	OCC	Middle	4440-7440 (1650)	8870	06-01-04	Permanent	General
16	Supporting staff	Sh. Abdul Majid	OCC	Middle	4440-7440 (1300)	8270	08-04-03	Permanent.	ST

1.6. Total land with KVK (in ha): 20.11 ha

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	0.11
3.	Under Crops	4.65
4.	Orchard/Agro-forestry	5.35
5.	Others (specify)	7.95

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	03/2011	300	--	01/2008		Completed
2.	Farmers Hostel	ICAR	12/2007	305	26.62	08/2005	305	Completed
3.	Staff Quarters (6)	ICAR	12/2007	400	36.88	08/2005	400	Completed

4.	Demonstration Units (2)	ICAR (01) Poultry	-	-	-	-	-	Completed
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra (Bolero)	2003-04	4,68,458.3	126000	Satisfactory
Motorcycle	2012	46277.00	3400	Satisfactory

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Power Sprayer	31-05-2005	23000	Satisfactory
Power tiller	28/03/2006	128663.60	Satisfactory
Disc plough	31-05-2005	17000	Satisfactory
Trolley	31-05-2005	35000	Satisfactory
Multi-crop thresher(Power)	28/03/2006	44000	Satisfactory
Disco plough	31-05-2005	17000	Satisfactory
Electronic Weighing machine	23-02-2012	10000	Satisfactory
Self propelled reaper	23-03-2011	105000	Satisfactory
Zero seed cum fertilizer drill	19-03-2010	38535	Satisfactory
Disc harrow	19-03-2010	31710	Satisfactory
Multicrop thresher	03-06-2011	103215	Satisfactory
Voltage stabilizer	31-05-2005	16400	Satisfactory
Knap sack sprayer	10-03-2012	1500	Satisfactory
Power tiller operated Zero Till Drill	10-05-2012	20000	Satisfactory
Tractor operated Zero Till Drill	31-08-2012	47500	Satisfactory
Photocopier	9-02-2005	66015	Satisfactory
HP computer	9-02-2005	37407	Satisfactory
UPS 1KV (2 no)	25-03-2007	18480	Satisfactory
Sony Handy cam DCR HC42 E	29-03 -2005	33490	Satisfactory
Sony Camera DSLR	31-03-2010	24900	Satisfactory
PA System	28/03/2006	28507	Satisfactory
Fax	28/03/2006	9800	Satisfactory
Fax	31-03-2010	7171	Satisfactory
LCD Projector	31/01/2007	100367	Satisfactory
Computer along with peripheral	9-02-2005	59138	Satisfactory

Computer (2 N0)	23/03/2007	69222.40	Satisfactory
Computer System with TFT(1)	31-03-2010	36857	Satisfactory
Computer system with TFT (2)	30-03-2013	41788	Satisfactory
Printer HP laser 1022 Q	09-07-2007	13520	Satisfactory
Printer HP Laser 1012	09-02-2005	10291	Satisfactory
Kjel Dahl Water distillation Unit	22-02-2006	37695	Satisfactory
Water distillation system	29-03-2006	31667	Satisfactory
Willy grinding mill	22-03-2006	22317	Satisfactory
Hot Plate	08-03-2006	1153	Satisfactory
Venier Caliper	27-03-2006	7734	Satisfactory
P H Meter	31-03-2006	16706	Satisfactory
Precisa analytical Balance	30-03-2006	52594	Satisfactory
Kahn shaking Machine	22-02-2006	29358	Satisfactory
Oven	22-02-2006	13545	Satisfactory
Spectrophotometer	31-03-2006	128800	Satisfactory

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

S. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	14-05-2012	List annexed as B-1	Copy of SAC recommendation/ proceeding is annexed B-2	Copy of action taken is annexed as B-3

2. DETAILS OF DISTRICT (2012-13)

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

S. No	Farming system/enterprise
1	Agri+Animal Husbandry
2	Agri+ Horticulture
3	Agri+Horti+ Silviculture

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

S. No	Agro-climatic Zone	Characteristics
1	Sub tropical	Lies below 800m from mean sea level
2	Lower intermediate or temperate tropical transition	Between 800-1500m above the mean sea level. Mean annual rainfall 960 mm. Mean maximum and minimum temperature range is between 35-38^{0}C and 5-10^{0}C .
3	Higher intermediate or temperate region	Lies above 1500m from the mean sea level

S. No	Agro ecological situation	Characteristics
1	Up to 3000 feet	Subtropical area village, Solki, Nunihal and Thandapani. Maize and wheat are major crops.
2	3000-4000 feet	Intermediate zone village are Doongi, Trayath and Palma. Maize, wheat and paddy are major crops.
3	4000-5000 feet	Sub temperate zone village are Gulthi, Plalani and Rajdani. Maize and paddy are the major crops.
4	5000-6000 feet	Sub temperate to temperate zone village are Kewal , Doke and Dheeriadi. Maize is the major crop
5	6000 and above	Temperate Zone . Maize is major crop.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Grey brown podzol soils	Medium to heavy soils suitable for cultivation of crops such as paddy, maize wheat and oilseeds and horticultural crops particularly stone fruits.	-

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Maize	40000	1132810.75	28.32
2	Wheat	40000	651790	16.30
3	Paddy	8000	257145	32.14

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C	
		Maximum	Minimum
April	157.5	32.5	8.0
May	12.0	40.0	8.5
June	42.7	41.5	15.0
July	127.6	39	19.0
August	321.8	33	18.5
September	101.0	32	12.0
October	15.4	32	5.5
November	7.2	27.5	1.0
December	77.1	25	-0.5
January	39.8	22.5	-3.0
February	36.2	24.3	-1.0
March	59.0	28.0	2.2

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

Category	Population	Production	Productivity
Cattle	1.13 lakh	-	-
Crossbred	42,117	18302(thousand metric tons)	4.5 kg

Indigenous	70,775	30249 (thousand metric tons)	1.5kg
Buffalo	1.34 lakh	-	-
Crossbred	-	-	-
Indigenous	1.34 lakh	58690 (thousand metric tons)	3kg
Sheep	4.33 lakh	32.82 lakhs kg (Mutton)	-
Goats	2.84 lakh	6.89 lakhs kg (Wool)	-
Pigs			
Crossbred	20	-	-
Indigenous	84	-	-
Rabbits	-	-	-
Poultry	2.47 Lakh	-	-
Hens		-	-
Desi		-	-
Improved		-	-
Ducks		-	-
Others	56836	-	-
Category	**Area**	**Production**	**Productivity**
Fish	-	**106900 (Nos)**	-
Marine	-		-
Inland	-		-
Prawn	-		-
Scampi	-		-
Shrimp	-		-

2.7 Details of Operational area / villages (2012-13)

S. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Rajouri	Dahral	Fatehpur	Paddy Maize Wheat	• Leaf blight, brown spot • shoot and stem borer • Termite attack and little knowledge about the newly evolved high yielding cultivars and balanced fertilizer dose application. • Paddy blast, false smut, brown spot sheath blight and stem borer	• Emphasis on diversified agriculture with stress on enterprises such as vegetable production, mushroom cultivation Identification and recommendation of varieties of crops resistant / tolerant to biotic stress along . • Spreading awareness about the complete package of agro technology including crop production and protection developed on scientific lines by SKUAST-J

2	Rajouri	Nowshera	Lamberi	Paddy Maize wheat and oilseed	• Paddy blast, false smut, stem borer and shoot borer • Termite attack rusts and bunts • Little knowledge about the newly evolved high yielding cultivars and balanced fertilizers dose application	• Identification and recommendation of varieties of crops resistant / tolerant to biotic stress. • Developing and / or extending the developed crop protection technologies to the end users. • Spreading awareness about the complete package of agro technology developed on scientific lines by SKUAST-J
3	Rajouri	Doongi	Chatiyar	Maize Wheat Oilseed & vegetable	• Lack of awareness about the newly evolved high yielding cultivars and balanced fertilizer dose application	• Emphasis on a adoption of diversified agriculture with stress on enterprises such as vegetable production poultry dairy and mushroom cultivation. • Emphasis on introduction of newly developed high yielding varieties/hybrids of vegetables. • Popularization of high yielding varieties of fodder crops trees a and grasses for round the year availability of green fodder.
4	Rajouri	Rajouri	Manjakote	Maize and fodder	•Stem and shoot borer •Termite attack •Little knowledge about the newly evolved high yielding varieties and balanced fertilizers doses •less diversified agriculture	• Improvement of existing crop cultivation practices • Introduction of perennial grasses / new forage trees species • Improvement of existing wild fruit tries
5	Kalakote	Kalakote	Jagni	Maize Wheat Pulses	• Little knowledge about the newly evolved HYV & balanced fertilizers doses application	• Development and/ or extended the developed crop protection technologies to the end users. • Improvement of existing crop cultivation practices • Introduction of perennial grasses / new forage trees species
6	Nowshera	Nowshera	Nowshera	Maize, Wheat Oilseeds forage	• Lack of diversified crop production • Little knowledge about the newly evolved HYV & balanced fertilizers doses application	• Awareness about balanced use of fertilizers, weed control measures. • Introduction and identification of suitable varieties of maize wheat, fodder & oilseeds crops varieties. • Introduction of perennial grasses / new forage trees species • Awareness about improved implements and machinery.

7	Sunderbani	Sunderbani	Bakhar	Maize Wheat Oilseeds, pulses & vegetables	• Low knowledge about the newly evolved HYV of vegetables crops • Problems of insect-pest in vegetable crops	• Awareness about protected/off-season vegetable cultivation, identification of suitable wheat, maize, oilseeds & vegetable varieties with short maturity duration and resistant to diseases and integrated pest and disease management.
8	Kotranka	Budhal	Kotranka	Maize	• Lack of awareness about improved varieties, implements, weed control	• Improved crop production practices. • Awareness about cultivation of oilseed crops during Rabi season

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Maize	Introduction of high yielding single cross hybrids to enhance the productivity, Integrated nutrient, weed, pest and disease management. Management of moisture stress. Diversification of maize based cropping system with incorporation of oilseeds, pulses and horticultural crops. Minimization of storage loss
Rice	Introduction of SRI technique Introduction and identification of suitable basmati varieties Integrated nutrient, weed, pest and disease management. Minimization of storage loss
Mash	Introduction of high yielding, short duration and shattering resistant cultivars Promotion of integrated management for nutrients, weeds, diseases and pests.
Wheat	Integrated nutrient, weed, pest and disease management. Minimization of storage loss
Mustard	Integrated nutrient, weed, pest and disease management. Introduction of high yield varieties
Poultry	Popularization of dual purpose chicken breeds Feeding management and vaccination
Dairy	Balanced Ration and vaccination Improved dairy management practices Introduction of high milk producing breeds of cow and buffalos
Sheep Husbandry	Balanced ration and vaccination.
Mushroom cultivation	Popularization of mushroom cultivation for employment generation Awareness about different types of mushroom species and its cultivation
Horticulture	Management of fruit trees.
Vegetable production	Introduction of hybrid seeds, Awareness and training of protected/off-season vegetable and nursery production Awareness and training about exotic vegetable species (Broccoli, Coriander)
Fodder production	Introduction and collection of new varieties of Annual/ perennial grasses/fodder trees and trainings on silage and hay making.
Employment generation	Promotion of Mushroom cultivation, Broiler farming, Dairying, Tailoring, Dress designing Fisheries as income generating activities among rural youths.
Medicinal and aromatic plants	Popularization of MAP cultivation for employment generation Awareness about different types of MAPs and its cultivation

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2012-13

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
07	**07**	**-**	**08**	**160**	**193**	**160**	**193**

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
Farmers	**57**	**57**	**1114**	**1519**	**30**	**65**	**600**	**3743**
Rural youth	**07**	**08**	**140**	**212**	**-**	**-**	**-**	**-**
Extn. Functionaries	**10**	**10**	**-**	**211**	**-**	**-**	**-**	**-**

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	**Achievement**	**Target**	**Achievement**
-	HS-240 0.75 ha HS-295 0.75 ha = **9.50**	-	Setaria root slips 800 Popular cuttings 50 Napier root slips 750 Knolkhol seedling 260

3. B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Integrated Pest Management	Maize	High incidence of pest	Management of blister beetle in Maize	-	-	-	1	-
2	Production technology	Fodder	Low fodder production.	Evaluation of improved fodder grasses under intermediate conditions	-	-	-	1	-

3	Farm machinery	Maize	Reduction in Yield due to weed infestation	Evaluation of appropriate weeding tool for dryland maize of Rajouri district.	-	-	-	1	-
4	Varietal evaluation	Okra	Low yield	Varietal evaluation of Okra under intermediate conditions.	-	-	-	1	-
5	Integrated Nutrient Management	Wheat	In-judicious use of fertilizers	Economic appraisal of nutrient management in wheat crop.	-	-	-	1	-
6	Varietal evaluation	Oats	Low forage production	Evaluation of different varieties of oats under intermediate conditions	-	-	-	2	-
7.	Crop Management	Gobi Sarson	Heavy weed infestation and no use of herbicide	Evaluation of *Emblica officinalis* NA-7 under intermediate conditions	-	-	-	3	-

3.1 Achievements on technologies assessed and refined

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	**01**	-	-	-	**01**	-	-	-	-	**01**
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	**01**	-	-	-	-	-	-	-	-	**01**
Integrated Crop Management	-	-	-	-		-	-	-	-	-
Integrated Nutrient Management	**01**	-	-	-	-	-	-	-	-	**01**
Integrated Farming System	-	-	-	-	-	**01**	-	-	-	**01**
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	**01**	-	-	-	-	-	-	-	-	**01**
Value	-	-	-	-	-	-	-	-	-	-

addition										
Integrated Pest Management	**01**	-	-	-	-	-	-	-	-	**01**
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	**05**	-			**01**	**01**		-		**07**

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	**01**	-	-	-	**01**	-	-	-	-	**01**
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	**01**	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	**01**	-	-	-	-	-	-	-	-	**01**
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	**01**
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	**03**	-	-	-	**01**	-	-	-	-	**04**

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	-	-	-	-	-	-	-	-

Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

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

Trial 1

1. **Title: Management of blister beetle in Maize**

2. **Problem diagnose/defined**: High incidence of pest.

3. **Details of technologies selected for assessment/refinement**:

   T1: Farmers practices (No application of pesticide)
   T2: Trap Crop
   T3: Integrated pest management (T2+Hand Picking)

4. **Source of technology** : Package and practice (SKUAST-J)

5. **Production system and thematic area**: Rain-fed cereal based system (Maize-wheat System)

6. **Thematic area** : Integrated pest management

7. **Performance of the technology with performance indicators:** The results reveal that, in case of case of integrated pest management there is an increase of 27.3% in yield (T3) as compared to the farmers practice, whereas there is an increase of 13.6 % in total yield (T2) as compared to the farmers practice

8. **Final recommendation for micro level situation:** Production and productivity of maize may be increased by adoption of integrated pest management for effective control of blister beetle under rainfed conditions of Rajouri District.

9. **Constraints identified and feedback for research:** Lack of awareness, no use of pest management practices.

10. Process of farmer's participation and their reaction: Farmers participated actively and render full support in field preparation and laying out of the trial. At the initial stage of planning the trial, farmers told about the production constraints being faced by them in ushering the maize productivity and give a detailed account of blister beetle and its management in maize crop. Farmers' response was overwhelming with the satisfactory plant stand, crop vigor, and ease in intercultural operations and consequent increase in crop yields.

11. 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
Maize	Rainfed	High incidence of pest	Management of blister beetle in Maize	01	T1:Farmers practices (No application of pesticide)	-	22.0 q /ha		Fully satisfied with the technology assessed
					T2:Trap Crop	% Increase in yield over control	25.0 q /ha	13.6% Increase in yield over control	
					T3:Integrated pest management (T2+Hand Picking)	-	28.0 q /ha	27.3% Increase in yield over control	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Farmers practices (No application of pesticide)	22.0	13930	1:1.62
T2:Trap Crop	25.0	17460	1:1.79
T3:Integrated pest management (T2+Hand Picking)	28.0	20010	1:1.84

Trial 2

1. Title: Evaluation of improved fodder grasses under intermediate conditions.

2. Problem diagnose/defined: Low fodder/grass production

3. **Details of technologies selected for assessment/refinement**:
   T1: Farmers practice (Natural Grass)
   T2: Setaria
   T3: *Napier* hybrid
4. **Source of technology: Package and practice (SKUAST-J)**

5. **Production system and thematic area:** Rain-fed cereal based system (Maize-wheat System

6. **Thematic area**: Improved fodder production

7. **Performance of the Technology with performance indicators:** Results reveal that, in case of high yielding perennial grasses the farmers are able to take up green grass till the end of the Nov (T3: Hybrid Napier) How ever vegetative growth is reduced to dormant during winter, where as in case of T2: (Setaria) the green grass is available till the end of October as growth commences in early spring and continues at low autumn temperatures as compared to control (T1) which is available only till September**.**
8. **Final recommendation for micro level situation**: Production and productivity of fodder grasses, may be increased by planting of perennial fodder grasses viz., Setaria and Napier on bunds and boundaries and even on locally available grasslands for overcoming the fodder scarcity.

9. **Constraints identified and feedback for research:** Lack of improved tillage.

10. **Process of farmers participation and their reaction:** Active

11. 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
Perennial fodder grasses	Rainfed	Low fodder/grass production	Evaluation of improved fodder grasses under intermediate conditions	01	Farmers practice (Natural Grass)	-	38.0 q/ha		Fully satisfied with the technology assessed
					Setaria	Production and time of availability of green fodder	156.0 q/ha	Green grass is available till the end of October to 1st week of Nov	
					Napier hybrid	Production and time of availability of green fodder	234.0 q/ha	Green grass till the end of the Nov	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Farmers practice (Natural Grass)	38.0 q/ha	3800	-
Setaria	156.0 q/ha	15600	-
Napier hybrid	234.0 q/ha	23400	-

Trial 3

1. **Title: Evaluation of appropriate weeding tool for dryland maize of Rajouri district.**
2. **Problem diagnose/defined:** Reduction in Yield due to weed infestation**.**
3. **Details of technologies selected for assessment/refinement:**
   i. Farmers practice (No weeding)
   ii. Chemical control (Atrazine).
   iii. Wheel hand hoe
4. **Source of technology:** Handbook of Horticulture
5. **Production system and thematic area:** Irrigated vegetable based system
6. **Thematic area:** Crop management.
7. **Performance of the technology with performance indicators:** The results indicates that, in case of weeding by wheel hand hoe there is an increase of 39.15% in yield (T3) as compared to the farmers practice, whereas there is an increase of 17.03 % in total yield (T2) as compared to the farmers practice.
8. **Final recommendation for micro level situation:** Production and productivity of Maize can be increased by adoption of ergonomically designed wheel hand hoe as compared to chemical control.
9. **Constraints identified and feedback for research:** Lack of awareness about weeding tools.
10. **Process of farmers participation and their reaction:** Active
11. **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 assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Maize	Irrigated	**Reduction in Yield due to weed infestation.**	Evaluation of appropriat e weeding tool for dryland maize	01	Farmers practice (No weeding)	-	18.90 q/ha		
					Chemical control (Atrazine).	% Increase in yield over control	22.12 q/ha	17.03% Increase in yield over	

								control	Fully satisfied with the technology assessed
					Wheel hand hoe	% Increase in yield over control	26.30 q/ha	39.15 % Increase in yield over control	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Farmers practice (No weeding)	18.90	9201.5	-
Chemical control (Atrazine).	22.12	12856.2	1:1.05
Wheel hand hoe	26.30	17600.5	1:1.44

Trial 4

1. **Title: Varietal evaluation of Okra under intermediate conditions.**
2. **Problem diagnose/defined**: Low productivity of Okra crop.
3. **Details of technologies selected for assessment/refinement**:

   T1: Parbhani Kranti (Farmers practice)
   T2: Arka Anamika
   T3: Varsha Uphar

4. **Source of technology** : Package and practice (SKUAST-J)
5. **Production system and thematic area**: Rainfed cereal based system (Maize-Wheat System)
6. **Thematic area** : Varietal evaluation
7. **Performance of the technology with performance indicators:** Results reveal that, there is an increase of 12.5% in yield of variety Varsha Uphar (T3) as compared to the farmers practice (T1), whereas there is an increase of 19.3 % in total yield of Arka Anamika (T2) as compared to the farmers practice
8. **Final recommendation for micro level situation:** Production and productivity of Okra may be increased by adoption of above tested improved varieties under intermediate conditions prevailing in Rajouri District.
9. **Constraints identified and feedback for research:** Lack of awareness about the improved/High yielding varieties
10. **Process of farmer's participation and their reaction:** Farmers participated actively and render full support in field preparation and laying out of trial.

11. 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

Maize	irrigated	Low productivity of Okra crop.	Varietal evaluation of Okra under intermediate conditions.	01	T1: Parbhani Kranti (Farmers practice)	-	88.0 q /ha		Fully satisfied with the technology assessed
					T2: Arka Anamika	% Increase in yield over control	107.0 q /ha	19.3% Increase in yield over control	
					T3: Varsha Uphar	-	99.0 q /ha	12.5% Increase in yield over control	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
T1: Parbhani Kranti (Farmers practice)	88.0	39000	1.1.95
T2: Arka Anamika	107.0	54000	1.2.31
T3: Varsha Uphar	99.0	44000	1.2.07

Trial 5

1. **Title: Economic appraisal of nutrient management in Wheat.**
2. **Problem diagnose/defined**: Low Yield.

3. Details of technologies selected for assessment/refinement:

T1: Farmers practices (Imbalance application of seed and fertilizer)
T2: Recommended application of seed and fertilizer (N-60kg, P_2O_5-30kg, K_2O-20kg, Seed 100 Kg)
T3: Recommendations of DWR for NW Himalayan region (N-90kg, P_2O_5-30kg, Seed 120 Kg)

4 Source of Technology: Recommendations of DWR-Karnal

5. Production system and thematic area: Rain-fed cereal based system (Maize-wheat System)

6. Thematic area : Economic appraisal of nutrient management

7. Performance of the technology with performance indicators: The results reveal that, in case of case of nutrient management there is an increase of 42.1% in yield (T3) as compared to the farmers practice, whereas there is an increase of 36.8% in total yield (T2) as compared to the farmers practice

8. Final recommendation for micro level situation: Production and productivity of Wheat may be increased by adoption of the recommendation of DWR for NW Himalayan region under rainfed conditions of Rajouri District.

9. **Constraints identified and feedback for research:** Lack of awareness, imbalance use of seed and fertilizer.

10. **Process of farmer's participation and their reaction:** Farmers participated actively and render full support in field preparation and laying out of the trial. Farmers' response was overwhelming with the satisfactory plant stand, crop vigor, and ease in intercultural operations and consequent increase in crop yields.

11. 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
Maize	Rainfed	Low Yield.	Economic appraisal of nutrient management in Wheat	01	T1: Farmers practices (Imbalance application of seed and fertilizer)	-	9.50 q /ha		Fully satisfied with the technology assessed
					T2: Recommended application of seed and fertilizer (N-60kg, P_2O_5-30kg, K_2O-20kg, Seed 100 Kg)	% Increase in yield over control	13.0 q /ha	38.6% Increase in yield over control	
					T3: Recommendations of DWR for NW Himalayan region (N-90kg, P_2O_5-30kg, Seed 120 Kg)	-	17.0 q /ha	42.1% Increase in yield over control	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
T1: Farmers practices (Imbalance application of seed and fertilizer)	9.5	8500	-
T2: Recommended application of seed and fertilizer (N-60kg, P_2O_5-30kg, K_2O-20kg, Seed 100 Kg)	13.0	11130	1:1.57
T3: Recommendations of DWR for NW Himalayan region (N-90kg, P_2O_5-30kg, Seed 120 Kg)	17.0	16805	1:1.91

Trial 6

1. **Title: Evaluation of different varieties of oats under intermediate conditions**

2. **Problem diagnose/defined**: Low Yield of oats.

3. Details of technologies selected for assessment/refinement:

T1: Sabjar (Farmers practice)
T2: Palampur 1
T3: Kent

4. Source of technology : Recommendations of SKUAST-J

5. Production system and thematic area: Rain-fed cereal based system (Maize-wheat System)

6. Thematic area : Varietal evaluation

7. Performance of the technology with performance indicators: The results reveal that, in case of case of variety Kent there is an increase of 34.0% in yield (T3) as compared to the farmers practice (sabjar), whereas there is an increase of 23.0% in total yield (T2- Palampur 1) as compared to the farmers practice (T1)

8. Final recommendation for micro level situation: Production and productivity of Oats may be increased by adoption of high yielding varieties under rainfed conditions of Rajouri District.

9. Constraints identified and feedback for research: Lack of awareness about high yielding varieties

10. Process of farmer's participation and their reaction: Farmers participated actively and render full support in field preparation and laying out of the trial. Farmers' response was overwhelming with the satisfactory plant stand, crop vigor, and ease in intercultural operations and consequent increase in crop yields.

11. 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
Maize	Rainfed	Low Yield.	Evaluation of different varieties of oats under intermediate conditions	02	T1: Sabjar (Farmers practice)	% increase in yield.	215 q /ha		Fully satisfied with the technology assessed
					T2: Palampur 1	% Increase in yield over control	265 q /ha	23.0% Increase in yield over control	
					T3: Kent	-	290 q /ha	34.0% Increase in yield over control	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14

T1: Sabjar (Farmers practice)	215	9650	-
T2: Palampur 1	265	13150	1:1.82
T3: Kent	290	15900	1:1.99

Trial 7

1. **Title:** Evaluation of *Emblica officanalis* N-7 under intermediate

2. **Problem diagnose/defined**: Low quality production.

3. **Details of technologies selected for assessment/refinement**:

T1: Farmers practices (Local variety scattered)
T2: N-7 planted at 6m x 6m
T3: N-7 planted at 8m x 8m.

4. **Source of technology** : Recommendations of SKUAST-J

5. **Production system and thematic area**: Rain-fed cereal based system (Maize-wheat System)

6. **Thematic area** : Varietal evaluation

7. **Performance of the technology with performance indicators:** Under stage of establishment

8. **Final recommendation for micro level situation:** -

9. **Constraints identified and feedback for research:** Lack of awareness about high yielding varieties of Aonla

10. **Process of farmer's participation and their reaction:** Farmers participated actively and render full support in field preparation and laying out of the trial.

11. **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
Maize	Rainfed	Low Yield.	Evaluation of *Emblica officanalis* N-7 under intermediate	03	T1: Farmers practices (Local variety scattered)	Performance	-	-	-
					T2: N-7 planted at 6m x 6m	-	-	-	

					N-7 planted at 8m x 8m.	-	-	-	

Technology Assessed	Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
-	-	-	-
-	-	-	-
-	-	-	-

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 **2011-12** 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	Maize	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Front Line Demonstrations	10	24	4.8
2	Mash	Varietal Evaluation	1)High yielding Varieties 2) Nutrient management	Front Line Demonstrations	10	25	4.0
3	Paddy	Varietal Evaluation	1)High yielding Varieties 2) Nutrient management	Front Line Demonstrations	06	20	4.12
4	Wheat	Varietal Evaluation	1)High yielding Varieties 2) Nutrient management	Front Line Demonstrations	15	40	8.0
5	Mustard	Nutrient management	1)Nutrient management 2) Seed treatment	Front Line Demonstrations	12	15	3.0
6	Gobhi sarson	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Front Line Demonstrations	11	15	3.0
7	Oats	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Front Line Demonstrations	03	03	0.6
8	Knolkhol	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Front Line Demonstrations	02	03	0.075
9	Garlic	Varietal Evaluation	1) High yielding Varieties 2) Nutrient	Front Line Demonstrations	03	03	0.075

			management				
10	Brocolli	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Front Line Demonstrations	02	03	0.075

b. Details of FLDs implemented during 2012-13 (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	Maize	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Kharif 2012	10.0	10.0	12	38	50	-
2	Mash	Varietal Evaluation	1)High yielding Varieties 2) Nutrient management	Kharif 2012	3.0	3.0	01	18	19	-
3	Paddy	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Kharif 2012	3.0	3.0	05	10	15	-
4	Okra	Varietal Evaluation	1) High yielding Varieties	Kharif 2012	-	0.25	01	03	04	-
5	Wheat	Varietal evaluation	1)High yielding Varieties 2) Nutrient management	Rabi 2012-13	10.0	10.0	10	39	49	-
6	Mustard	Varietal Evaluation	1)High yielding Varieties 2) Nutrient management	Rabi 2012-13	3.0	3.0	04	11	15	-
7	Gobhi sarson	Varietal Evaluation	1) High yielding Varieties 2) Nutrient management	Rabi 2012-13	3.0	3.0	07	11	18	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Maize	Kharif 2012	RF	Grey brown podzol	108-297	6-79	90-444	Wheat, Mustard	17-06-12 to 10-07-12	14-10-12 to 30-10-12	598.2	50
Mash	Kharif 2012	RF	Grey brown	108-297	6-79	90-444	Wheat, Mustard	08-07-12 to	13-10-12 to	531.5	38

			podzol					24-07-12	10-11-12		
Paddy	Kharif 2012	Irrigated	Grey brown podzol	108-297	6-79	90-444	Wheat, Mustard	18-06-12 to 20-07-12	30-09-12 to 07-11-12	587.8	48
Okra	Kharif 2012	Irrigated	Grey brown podzol	108-297	6-79	90-444	Wheat, Mustard	15-07-12 to 20-07-12	25-10-12 to 30-10-12	491.1	38
Wheat	Rabi 2012-13	RF	Grey brown podzol	108-297	6-79	90-444	Maize	05-11-12 to 20-11-12	05-05-13 to 30-05-13	476.3	31
Mustard	Rabi 2012-13	RF	Grey brown podzol	108-297	6-79	90-444	Maize	02-11-12 to 05-12-12	10-05-13 to 20-05-13	484.2	34
Gobhi sarson	Rabi 2012-13	RF	Grey brown podzol	108-297	6-79	90-444	Maize	02-11-12 to 05-12-12	03-04-13 to 27-05-13	492.7	36

Performance of FLD

S. No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Maize	Varietal evaluation	Proagro 4794	50	10.0	31.20	20.4	25.24	18.40	37.1	-	-
2.	Mash	Crop management	Uttra	19	3.0	5.0	2.40	3.28	2.25	45.8		
3	Paddy	Varietal evaluation	K-343	15	3.0	30.0	20.0	25.14	19.80	26.9	-	-
4	Okra	Varietal evaluation	Parbani kranti	04	0.25	90	80	85	65	30.76	-	-
5	Wheat	Varietal evaluation	HS 240 HS 295	49	10.0	20.25	9.0	14.9	8.0	46.30	-	-
6	Mustard	Crop management	Pusa bold	15	3.0	9.25-	5.25	6.97	5.10	36.70	-	-
7	Gobhi sarson	Varietal evaluation	DGS 1	18	3.0	7.25	5.25	6.75	4.85	39.20	-	-

NB: Good action photographs attached

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
12250	10050	28648	20884	16398	10834	1:1.34
8350	7350	22960	15750	14610	8400	1:1.75
14850	15100	31425	24750	16575	9650	1:1.11
41000	36000	85000	65000	44000	24000	1:2.07
16700	13150	28170	17500	11470	4350	1:1.69

12835	8345	21937.50	15762.50	9102.50	7417.50	1:1.71
12835	8345	22652.50	16575	9817.50	8230	1:1.74

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

Crop	Season	Component (Seed/Variety)	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Maize	Kharif 2012	Proagro4794	RF	25.24	18.40	37.10
Mash		Uttra	RF	3.28	2.25	45.80
Paddy		K-343	RF	25.14	19.8	26.90
Okra		Parbani kranti	Irrigated	85.0	65.0	30.76
Wheat	Rabi 2012-13	HS- 240 HS-295	RF	14.90	8.0	46.30
Mustard		Pusa Bold	RF	6.97	5.10	36.70
Gobhi sarson		GSL-1	RF	6.75	4.85	39.20

Technical Feedback on the demonstrated technologies

Technologies	Feed Back
Line sowing in cereals and oilseeds	Improved input use efficiency due to optimum plant stand per hectare
Introduction of HYVs of Maize, Paddy, Urd-bean, Mustard, Gobhi-Sarson and Wheat	Reduction in losses due to improved insects, pests, lodging, moisture stress and disease resistance of crops and consequent rise in yield

Farmers' reactions on specific technologies

Technologies	Feed Back
Line sowing in Maize	Farmers acknowledge the line sowing technology. But, they show reluctance as their landholdings are small and marginal and due to poor financial condition are able to buy seed-cum-fertilizer drill.
HYVs of Maize, urdbean, mustard, gobhi-sarson, paddy and wheat	Accepted and adapted technology over large area in Rajouri district along with alleviation of reduced lodging as well as improved yield and profit per hectare. However some non FLD farmers reported problem of poor seed set in maize ears.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days Rice Maize Mash	03	 26-10-12 11-10-12 28-09-12	79	-
2	Farmers Training	02	06-06-12	32	-
3	Media coverage	06	-	-	-
4	Training for extension	-	-	-	-

	functionaries				

Demonstration details on crop hybrids: Nil

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-
Paddy	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-
Blackgram	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-

Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-
Napier (Fodder)	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

c. Details of FLD on Enterprises

Farm Implements: Nil

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		
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

(ii) Livestock Enterprises: NIL

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		
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

(iii) Other Enterprises: Nil

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		
Mushroom	-	-	-	-	-	-	-	-
Apiary	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Vermi compost	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-

Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Fodder production										
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising										
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										

Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	01	14	16	30	-	-	-	14	16	30
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-

quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	02	20	07	27	08	-	08	28	07	35
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection	-	-	-	-	-	-	-	-	-	-

Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	01	07	14	21	01	05	06	08	19	27
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-

livestock feed and fodder										
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	01	14	02	16	04	-	04	18	02	20
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	**05**	**55**	**39**	**94**	**13**	**05**	**18**	**68**	**44**	**112**
(B) RURAL YOUTH										
Mushroom Production	01	05	04	09	04	-	04	09	04	13
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming (MAPS)	01	11	22	33	-	-	-	11	22	33
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	01	18	10	28	02	-	02	20	10	30
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	01	09	13	22	04	-	04	13	13	26
Value addition	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-

quality animal products										
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	01	11	09	20	02	04	06	13	23	36
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-
Para extension workers (Entrepreneurship dev)	01	17	-	17	12	-	12	29	-	29
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Small scale processing	01	-	10	10	-	03	03	-	13	13
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts										
TOTAL	**07**	**71**	**68**	**139**	**24**	**07**	**31**	**95**	**85**	**180**
EXTENSION PERSONNEL										
Productivity enhancement in field crops	01	19	-	19	-	-	-	19	-	19
Integrated Pest Management	01	20	-	20	-	-	-	20	-	20
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	01	07	-	07	-	-	-	07	-	07
Protected cultivation technology	01	25	-	25	-	-	-	25	-	25
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	01	24	-	24	-	-	-	24	-	24
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building	01	32	-	32	-	-	-	32	-	32

for ICT application										
Care and maintenance of farm machinery and implements	01	21	-	21	-	-	-	21	-	21
WTO and IPR issues	01	17	-	17	-	-	-	17	-	17
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	01	20	-	20	-	-	-	20	-	20
Household food security	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	01	26	-	26	-	-	-	26	-	26
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
TOTAL	**10**	**211**	**-**	**211**	**-**	**-**	**-**	**211**	**-**	**211**
G. Total	**22**	**337**	**107**	**538**	**37**	**12**	**49**	**374**	**129**	**503**

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	01	03	-	03	17	-	17	20	-	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	02	26	-	26	24	02	26	50	02	52
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management										
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	01	14	07	21	-	-	-	14	07	21
Nursery raising	01	20	-	20	01	-	01	21	-	21

Exotic vegetables like Broccoli	01	17	05	22	08	-	08	25	05	30
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	02	43	03	46	13	-	13	56	03	59
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	02	42	03	45	13	-	13	55	03	58
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										

Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	01	23	01	24	-	01	01	23	02	25
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	01	19	-	19	-	02	02	19	02	21
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	02	44	27	71	-	-	-	44	27	71
Feed management	01	25	-	25	01	-	01	26	-	26
Production of quality animal products	01	16	03	19	06	03	09	22	06	28
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	03	05	08	02	04	06	05	09	14
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	01	02	17	19	-	-	-	02	17	19
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender	-	-	-	-	-	-	-	-	-	-

mainstreaming through SHGs										
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	01	01	34	35	-	03	03	01	37	38
Income generation activities for empowerment of rural Women	01	09	13	22	-	-	-	09	13	22
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	01	03	22	25	-	-	-	03	22	25
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	05	38	28	66	60	03	63	98	31	129
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	03	42	01	43	50	-	50	92	01	93
VII Plant Protection										
Integrated Pest Management	06	133	10	143	08	06	14	141	16	157
Integrated Disease Management	01	16	02	18	01	-	01	17	02	19
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and	-	-	-	-	-	-	-	-	-	-

culture of freshwater prawn										
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	01	39	-	39	03	-	03	42	-	42
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	02	30	19	49	02	06	08	32	25	57
Mobilization of social capital	04	86	17	103	15	01	16	101	18	119
Entrepreneurial development of farmers/youths	01	27	-	27	-	-	-	27	-	27
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-

XI Agro-forestry										
Production technologies	03	48	08	56	17	13	30	65	21	86
Nursery management	02	40	03	43	09	-	09	49	03	52
Integrated Farming Systems	03	39	02	41	33	02	35	72	04	76
TOTAL	**52**	**848**	**230**	**1078**	**283**	**46**	**329**	**1131**	**276**	**1407**
RURAL YOUTH										
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Value addition	01	-	-	-	-	32	32	-	32	32
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-

Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	**01**	**-**	**-**	**-**	**-**	**32**	**32**	**-**	**32**	**32**
I Extension Personnel										
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming	-	-	-	-	-	-	-	-	-	-

through SHGs										
TOTAL	-	-	-	-	-	-	-	-	-	-
G. Total	**53**	**848**	**230**	**1078**	**283**	**78**	**361**	**1131**	**308**	**1439**

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	01	03	-	03	17	-	17	20	-	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	02	26	-	26	24	02	26	50	02	52
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	01	14	07	21	-	-	-	14	07	21
Nursery raising	01	20	-	20	01	-	01	21	-	21
Exotic vegetables like Broccoli	01	17	05	22	08	-	08	25	05	30
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	02	43	03	46	13	-	13	56	03	59
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	02	42	03	45	13	-	13	55	03	58

Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	01	14	16	30	-	-	-	14	16	30
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	01	23	01	24	-	01	01	23	02	25
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of	-	-	-	-	-	-	-	-	-	-

Problematic soils										
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management										
Poultry Management	01	19	-	19	-	02	02	19	02	21
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	02	44	27	71	-	-	-	44	27	71
Feed management	01	25	-	25	01	-	01	26	-	26
Production of quality animal products	01	16	03	19	06	03	09	22	06	28
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	03	05	08	02	04	06	05	09	14
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	01	02	17	19	-	-	-	02	17	19
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	01	01	34	35	-	03	03	01	37	38
Income generation activities for empowerment of rural Women	01	09	13	22	-	-	-	09	13	22
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts										
Women and child care	01	03	22	25	-	-	-	03	22	25
VI Agril. Engineering										

Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	07	58	35	93	68	03	71	126	38	164
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	03	42	01	43	50	-	50	92	01	93
VII Plant Protection										
Integrated Pest Management	06	133	10	143	08	06	14	141	16	157
Integrated Disease Management	02	23	16	39	02	05	07	25	21	46
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-

Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	01	39	-	39	03	-	03	42	-	42
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	02	30	19	49	02	06	08	32	25	57
Mobilization of social capital	04	86	17	103	15	01	16	101	18	119
Entrepreneurial development of farmers/youths	01	27	-	27	-	-	-	27	-	27
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	04	62	10	72	21	13	34	83	23	106
Nursery management	02	40	03	43	09	-	09	49	03	52
Integrated Farming Systems	03	39	02	41	33	02	35	72	04	76
TOTAL	**57**	**903**	**269**	**1172**	**296**	**51**	**347**	**1199**	**320**	**1519**
(B) RURAL YOUTH										
Mushroom Production	01	05	04	09	04	-	04	09	04	13
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Integrated farming	01	11	22	33	-	-	-	11	22	33
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-

Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	01	18	10	28	02	-	02	20	10	30
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	01	09	13	22	04	-	04	13	13	26
Value addition	01	-	-	-	-	32	32	-	32	32
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	01	11	09	20	02	04	06	13	23	36
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-
Para extension workers	01	17	-	17	12	-	12	29	-	29
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Small scale processing	01	-	10	10	-	03	03	-	13	13
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
TOTAL	**08**	**71**	**68**	**139**	**24**	**39**	**63**	**95**	**117**	**212**
I Extension Personnel										
Productivity enhancement in field crops	01	19	-	19	-	-	-	19	-	19

Integrated Pest Management	01	20		20				20	-	20
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	01	07	-	07	-	-	-	07	-	07
Protected cultivation technology	01	25	-	25	-	-	-	25	-	25
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	01	24	-	24	-	-	-	24	-	24
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	01	32	-	32	-	-	-	32	-	32
Care and maintenance of farm machinery and implements	01	21	-	21	-	-	-	21	-	21
WTO and IPR issues	01	17	-	17	-	-	-	17	-	17
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	01	20	-	20	-	-	-	20	-	20
Household food security	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	01	26	-	26	-	-	-	26	-	26
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
TOTAL	**10**	**211**	**-**	**211**	**-**	**-**	**-**	**211**	**-**	**211**
G. Total	**75**	**1185**	**337**	**1522**	**320**	**90**	**410**	**1505**	**437**	**1942**

Details of above training programmes (2012-13)

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		
							M	F	Total	M	F	Total	M	F	Total
16-04-12	Farmer	Nursery Management in vegetable crops	Horticulture	Nursery management	1 Day	Off Campus	20	-	20	01	-	01	**21**	-	**21**
26-04-12	Farmer	Zero till drill machine , seed drill and maize planter machine for sowing operation	Agril. Engineering	R&M	1 Day	Off Campus	02	-	02	02	-	27	**29**	-	**29**
27-04-12	Farmer	Safe storage of grain	PP	PHT	1 Day	Off Campus	07	01	08	27	-	27	**34**	**01**	**35**
22-05-12	Farmer	Management of major disease of vegetable	IDM	Disease	1 Day	Off Campus	16	02	18	01	-	01	**17**	**02**	**19**
11-06-12	Farmer	Demonstration on various types of harvesting tools	Agril. Engineering	R&M	1 Day	OnCampus	12	05	17	05	-	05	**17**	**05**	**22**

14-06-12	Farmer	Nursery raining of multipurpose trees and grasses	Agroforestry	Prod. Tech	1 Day	Off Campus	27	03	30	-	-	-	**27**	**03**	**30**
15-06-12	Farmer	Training on demonstration of Multicrop thresher	Agril. Engineering	R&M	1 Day	On Campus	08	02	10	03	-	03	**11**	**02**	**13**
20-06-12	Farmer	Home scale preparation of complimentary foods for infants and young children	Home Science	Women and child care	1 Day	Off Campus	03	22	25	-	-	-	**03**	**22**	**25**
22-06-12	Farmer	Planting multipurpose trees and shrubs in Agroforestry	Agroforestry	Prod. Tech	1 Day	Off Campus	12	01	13	21	01	22	**33**	**02**	**35**
04-7-12	Farmer	Improved production technology of rice	Crop production	Cropping system	1 Day	Off Campus	12	-	12	14	-	14	**26**	-	**26**
11-07-12	Farmer	Formation of Farm clubs for easy accessibility to institutional finance.	Agril. Extension	Entrepre. Dev	1 Day	Off Campus	24	06	30	02	-	02	**26**	**06**	**32**
12-07-12	Farmer	Cultivation of fodder grasses	Agroforestry	Feed and fodder	1 Day	Off Campus	18	05	23	05	02	07	**23**	**07**	**30**
18-07-12	Farmer	Integrated pest management is fruit crops	PP	IPM	1 Day	Off Campus	22	03	25	-	-	-	**22**	**03**	**25**
20-07-12	Farmer	Promotion of income generating activities in agriculture for farmer SHG's	Agril. Extension	SHG's	1 Day	Off Campus	06	13	19	-	06	06	**06**	**19**	**25**
24-07-12	Farmer	Cultivation of medicinal and aromatic plants under Agroforestry system.	MAP's	Production and management tech	1 Day	On Campus	14	16	30	-	-	-	**14**	**16**	**30**
26-07-12	Farmer	Pooling of resources for increased benefits	Agril. Extension	Mobilization of social capital	1 Day	Off Campus	22	14	36	01	-	01	**23**	**14**	**37**
08-08-12	Farmer	Methods of soil and water conservation an its benefits	Agril. Engineering	soil and water conservation	1 Day	Off Campus	23	01	24	-	01	01	**23**	**02**	**25**
09-08-12	Farmer	Training and pruning of fruit plants	Horticulture	Training and pruning	1 Day	Off Campus	14	03	17	03	-	03	**17**	**03**	**20**
13-08-12	Farmer	Vaccination is animals	LPM	Disease management	1 Day	Off Campus	15	26	41	-	-	-	**15**	**26**	**41**
27-08-12	**Farmer**	Agroforestry for sustainable land use.	**Agroforestry**	**Integrated farming**	**1 Day**	**Off Campus**	**10**	**-**	**10**	**10**	**01**	**11**	**20**	**01**	**21**
03-09-12	**Farmer**	Popularization of cultivation practices of exotic vegetable	**Horticulture**	**Exotic vegetables**	**1 Day**	**Off Campus**	**17**	**05**	**22**	**08**	**-**	**08**	**25**	**05**	**30**
05-09-12	**Farmer**	Promotion of mechanization for profitable agriculture	**Agril. Extension**	**Mobilization of social capital**	**1 Day**	**Off Campus**	**19**	**-**	**19**	**12**	**01**	**13**	**31**	**01**	**32**
06-09-12	**Farmer**	Time and method of fertilizer application in fruit plants	**Horticulture**	**Rejuvenation of young orchards**	**1 Day**	**Off Campus**	**24**	**03**	**27**	**02**	**-**	**02**	**26**	**03**	**29**
07-09-12	**Farmer**	Planning and preparation of iron such diet for vulnerable population	**Home science**	**Women and child care**	**1 Day**	**Off Campus**	**02**	**17**	**19**	**-**	**-**	**-**	**02**	**17**	**19**
11-09-12	**Farmer**	Integrated Pest Management in pulses	**PP**	**IPM**	**1 Day**	**Off Campus**	**31**	**-**	**31**	**06**	**-**	**06**	**37**	**-**	**37**
12-09-12	**Farmer**	Disease Management in animals	**LPM**	**Disease management**	**1 Day**	**Off Campus**	**29**	**01**	**30**	**-**	**-**	**-**	**29**	**01**	**30**
13-09-12	**Farmer**	Storage structure, Harvesting tank and its benefits	**Agril. Engineering**	soil and water conservation	**1 Day**	**Off Campus**	**10**	**-**	**10**	**18**	**-**	**18**	**28**	**-**	**28**
19-09-12	**Farmer**	IDM of Kharif cereals	**PP**	**IDM**	**1 Day**	**On Campus**	**07**	**14**	**21**	**01**	**05**	**06**	**08**	**19**	**27**
28-09-12	**Farmer**	Integrated Pest Management in Cucurbitaceous crops	**PP**	**IPM**	**1 Day**	**Off Campus**	**24**	**01**	**25**	**-**	**-**	**-**	**24**	**01**	**25**
10-10-12	**Farmer**	Improving live stock feeding and enhancing production	**LPM**	**Feeding and management**	**1 Day**	**Off Campus**	**25**	**-**	**25**	**01**	**-**	**01**	**26**	**-**	**26**
15-10-12	**Farmer**	Storage loss minimization	**Agril**	**PHT**	**1 Day**	**Off Campus**	**25**	**-**	**25**	**05**	**-**	**05**	**30**	**-**	**30**
19-10-12	**Farmer**	Demonstration of power tiller for economic farm operation in hilly terrains	**Agril. Engineering**	**R&M**	**1 Day**	**Off Campus**	**06**	**04**	**10**	**09**	**01**	**10**	**15**	**05**	**20**
25-10-12	**Farmer**	Promotion of organic farming for sustainable Agriculture	**Agril. Extension**	**Organic farming**	**1 Day**	**Off Campus**	**27**	**-**	**27**	**-**	**-**	**-**	**27**	**-**	**27**
26-10-12	**Farmer**	Integrated Pest Management in brinjal and tomato crops	**PP**	**IPM**	**1 Day**	**Off Campus**	**19**	**01**	**20**	**-**	**05**	**05**	**19**	**06**	**25**
29-10-12	**Farmer**	Sensitizing farmers to avail crops insurance against nature calamities	**Agril. Extension**	**Leadership dev**	**1 Day**	**Off Campus**	**20**	**03**	**23**	**02**	**-**	**02**	**22**	**03**	**25**
30-10-12	**Farmer**	Value addition of tomato	**Home science**	**Value addition**	**1 Day**	**Off Campus**	**01**	**34**	**35**	**-**	**03**	**03**	**01**	**37**	**38**
31-10-12	**Farmer**	Improved fodder production	**Agroforestry**	**Production tech**	**1 Day**	**Off Campus**	**12**	**03**	**15**	**04**	**11**	**15**	**16**	**14**	**30**
09-11-12	**Farmer**	Clean milk production	**LPM**	**Prod. Of quality milk product**	**1 Day**	**Off Campus**	16	03	19	06	03	09	22	06	28
20-11-12	**Farmer**	Method of seed collection of important Agroforestry tree species	**Agroforestry**	**Nursery management**	**1 Day**	**On Campus**	**14**	**02**	**16**	**04**	**-**	**04**	**18**	**02**	**20**
31-12-12	**Farmer**	Nursery establishment and production technology of fodder trees in winter	**Agroforestry**	**Nursery management**	**1 Day**	**Off Campus**	**13**	**-**	**13**	**09**	**-**	**09**	**22**	**-**	**22**
03-01-13	**Farmer**	Management of young plants / orchard of fruit plants	**Horticulture**	Management of young plants / orchard	**1 Day**	**Off Campus**	**18**	**-**	**18**	**11**	**-**	**11**	**29**	**-**	**29**
08-01-13	**Farmer**	Management of congress grass	**Crop production**	**Weed management**	**1 Day**	**Off Campus**	**03**	**-**	**03**	**17**	**-**	**17**	**20**	**-**	**20**
09-01-13	**Farmer**	Improved agronomic practices for wheat cultivation	**Crop production**	**Farming system**	**1 Day**	**Off Campus**	**14**	**-**	**14**	**10**	**02**	**12**	**24**	**02**	**26**
16-01-13	**Farmer**	Sensitizing rural man for carrying out farm operation in scientific way	**Agril. Extension**	**Mobilization of social capital**	**1 Day**	**Off Campus**	**39**	**-**	**39**	**03**	**-**	**03**	**42**	**-**	**42**
21-01-13	**Farmer**	Demonstration on zero till drill machine	**Agril. Engineering**	**R&M**	**1 Day**	**Off Campus**	**12**	**-**	**12**	**08**	**-**	**08**	**20**	**-**	**20**
22-01-13	**Farmer**	Integrated pest management in cole crops	**PP**	**IPM**	**1 Day**	**Off Campus**	**19**	**01**	**20**	**02**	**-**	**02**	**21**	**01**	**22**
23-01-13	**Farmer**	Off season cultivation of cucurbitaceous vegetables	**Horticulture**	**Nursery management**	**1 Day**	**Off Campus**	**14**	**07**	**21**	**-**	**-**	**-**	**14**	**07**	**21**
24-01-13	**Farmer**	Nursery techniques of Grewia and Celtis	**Agroforestry**	**Nursery management**	**1 Day**	**Off Campus**	**18**	**-**	**18**	**08**	**-**	**08**	**26**	**-**	**26**
28-01-13	**Farmer**	Processing of Milk	**Home science**	**Value addition**	**1 Day**	**Off Campus**	**09**	**13**	**22**	**-**	**-**	**-**	**09**	**13**	**22**
29-01-13	**Farmer**	Backyard poultry production	**LPM**	**Poultry management**	**1 Day**	**Off Campus**	**19**	**-**	**19**	**-**	**02**	**02**	**19**	**02**	**21**

31-01-13	**Farmer**	Utilization of term loan through Kissan credit card	**Agril. Extension**	**Mobilization of social capital**	**1 Day**	**Off Campus**	**25**	**-**	**25**	**-**	**-**	**-**	**25**	**-**	**25**
05-02-13	**Farmer**	Promotion and maintenance of kitchen garden for nutritional adequacy of family	**Home science**	Household food security	**1 Day**	**Off Campus**	**03**	**05**	**08**	**02**	**04**	**06**	**05**	**09**	**14**
06-02-13	**Farmer**	Integrated pest management in oilseed crops	**PP**	**IPM**	**1 Day**	**Off Campus**	**18**	**04**	**22**	**-**	**01**	**01**	**18**	**05**	**23**
07-02-13	**Farmer**	Handling and maintenance of engine and centrifugal pump	**Agril. Engineering**	**R&M**	**1 Day**	**Off Campus**	**04**	**02**	**06**	**12**	**02**	**14**	**16**	**04**	**20**
01-03-13	**Farmer**	Care and maintenance farm implements and machine	**Agril. Engineering**	**R&M**	**1 Day**	**Off Campus**	**14**	**02**	**16**	**04**	**-**	**04**	**18**	**02**	**20**
07-03-13	**Farmer**	Pollarding and lopping techniques for higher productivity	**Agroforestry**	**Production tech**	**1 Day**	**Off Campus**	**17**	**01**	**18**	**02**	**-**	**02**	**19**	**01**	**20**
12-03-13	**Farmer**	Training and pruning of fruit plants	**Horticulture**	**Reaining and pruning**	**1 Day**	**Off Campus**	**29**	**-**	**29**	**10**	**-**	**10**	**39**	**-**	**39**

(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**	
Horticulture	30/8/12 to 31/8/12	Training and pruning of fruit plants	Training and pruning	2 days	13	13	26	Subsistence	02	-	-
Agroforestry	25/9/12 to 26/9/12	Cultivation of medicinal & aromatic plants	MAP's.	2 days	11	22	33	Subsistence	02	-	-
LPM	11/10/12 to 12/10/12	Poultry management	Poultry management	2 days	13	23	36	Subsistence	46	-	-
Plant protection	8/11/12 To 9/11/12	Mushroom cultivation	Plant protection	2 days	09	04	13	Subsistence + Commercial	09	-	
Horticulture	21/11/12 to 22/11/12	Nursery management and of season cultivation of vegetable crops	Off Season vegetables	2 days	20	10	30	Subsistence	02	-	-
Home science	19/12/12	Processing and preservation of locally available fruits	Value addition	1 days	-	13	13	Subsistence	07	-	-
Home Science	21/02/13	Processing and preservation of locally available vegetables	Value addition	1 days	-	32	32	Subsistence	06	-	-
Agril. Extension	28/02/2013 to 01/03/13 to	Developing Entrepreneurial skills Among Rural Youth	Entre-preneurship Development	2 days	29	-	29	Subsistence	03		

(E) Sponsored Training Programmes: Nil

Sl. No	**Date**	**Title**	**Discipline**	**Thematic area**	**Duration (days)**	**Client (PF/RY/EF)**	**No. of courses**	**No. of Participants**			**Sponsoring Agency**	**Amount of fund received (Rs.)**
								Others	**SC/ST**	**Total**		

								Male	Female	Total	Male	Female	Total	Male	Female	Total		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4. Extension Activities (including activities of FLD programmes)

S. 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 (Rice)	**26-10-12**	01	08	-	08	15	02	17	-	-	-	23	02	25
2.	Field Day (Mash)	**28-09-12**	01	22		22	08	-	08	-	-	-	30	-	30
3.	Field day (Maize)	**11-10-12**	01	23	01	24	-	-	-	-	-	-	23	01	24
Total			**03**	**53**	**01**	**54**	**23**	**02**	**25**	**-**	**-**	**-**	**76**	**03**	**79**
4.	Kisan Mela	**19-20 Sep, 2012 23-10-12 21-12-12 27-12-12 28-12-122 26-02-13**	**06**	-	-	-	-	-	-	-	-	-	-	-	**1154**
Total			**06**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1154**
5.	Kisan Ghosthi	**03-07-12 19-09-12**	**02**	38	-	38	12	-	12	-	-	-	50	-	50
6.	Exhibition	**17-12-12 30-03-12**	**02**	-	-	-	-	-	-	-	-	-	-	-	02
7.	Film Show	**15-02-13 20-02-13 27-02-13**	**03**	-	-	-	-	-	-	-	-	-	-	-	265
8.	Method Demonstrations	**24-12-12**	**08**	-	-	-	-	-	-	-	-	-	-	-	243
9.	Farmers Seminar	**20-02-13**	**01**	-	-	-	-	-	-	-	-	-	-	-	230
10.	Workshop	**Monthly**	**12**	-	-	-	-	-	-	-	-	-	-	-	117
11.	Group meetings(FSI)	**27-02-12**	**01**	14	-	14	7	-	7	02	-	02	23	-	23
12.	Lectures delivered as resource persons		**24**	-	-	-	-	-	-	-	-	-	-	-	-
13.	Newspaper coverage	**Attached as annexure 'C'**	**58**	-	-	-	-	-	-	-	-	-	-	-	**58**
14.	Radio talks		**-**	-	-	-	-	-	-	-	-	-	-	-	-
15.	TV talks		**-**	-	-	-	-	-	-	-	-	-	-	-	-
16.	Popular articles		**12**	-	-	-	-	-	-	-	-	-	-	-	-
17.	Extension Literature		**17**	-	-	-	-	-	-	-	-	-	-	-	-
18.	Advisory Services		-	-	-	-	-	-	-	-	-	-	-	-	-
19.	Scientific visit to farmers field		**86**	61	-	61	25	-	25	-	-	-	86	-	86
20.	Farmers visit to KVK		**179**	104	12	116	58	05	63	-	-	-	162	17	179
21.	Diagnostic visits		**06**	-	-	-	-	-	-	-	-	-	06	-	06

22.	Exposure visits	**17-12-12**	**01**	02	01	03	02	-	02	-	-	-	04	01	05
23.	Ex-trainees Sammelan	**04-01-13** **11-02-13**	**02**	24	16	40	-	3	3	-	-	-	24	19	43
24.	Soil health Camp			-	-	-	-	-	-	-	-	-	-	-	-
25.	Animal Health Camp	**27-11-12**	01	30	12	42	44	7	51	6	-	6	80	18	99
26.	Agri mobile clinic			-	-	-	-	-	-	-	-	-	-	-	-
27.	Soil test campaigns			-	-	-	-	-	-	-	-	-	-	-	-
28.	Farm Science Club Conveners meet			-	-	-	-	-	-	-	-	-	-	-	-
29.	Self Help Group Conveners meetings			-	-	-	-	-	-	-	-	-	-	-	-
30.	Mahila Mandals Conveners meetings			-	-	-	-	-	-	-	-	-	-	-	-
31.	Celebration of important days			-	-	-	-	-	-	-	-	-	-	-	-
32.	World Env. Day	**05-06-2012**	01	24	-	24	12	-	12	01	02	03	37	02	39
33.	World Food day	**16-10-12**	01	06	06	22	01	03	04	-	-	-	07	19	26
34.	World Women day	**19-03-13**	01	-	14	14	-	06	06	-	-	-	-	20	20
35.	Campaign on termite control	**10-10-12**	01	-	-	-	-	-	-	-	-	-	92	-	92
36.	Campaign on *Parthenium* management	**23-08-12** **24-08-12**	02	12	01	13	43	01	44	-	-	-	55	02	57
37.	Campaign on Seed treatment	**03-12-12**	01	11	-	11	12	02	14	-	-	-	23	02	25
38.	Awareness programmes	**26-09-12** **11-10-12** **12-02-13** **14-02-19** **19-02-13**	05	-	-	-	-	-	-	-	-	-	-	-	452
39.	Technology week	**04-10-12** **09-10-12** **12-10-12**	03	18	40	58	02	03	05	-	-	-	20	43	63
40.	Farmers conference/Seminar under HTM	**20-02-13**	01	-	-	-	-	-	-	-	-	-	-	-	230
41.	Training on Entrepreneurship development amongst youth	**22-03-13**	01	-	-	-	-	-	-	-	-	-	-	-	100
Total			**436**	**344**	**102**	**256**	**218**	**30**	**248**	**09**	**02**	**11**	**569**	**143**	**2510**
Grand Total			**445**	**397**	**103**	**510**	**241**	**32**	**273**	**09**	**02**	**11**	**645**	**146**	**3743**

DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2012-13:

No. of Technology week celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
04-10-12	Gosthies	01	63	
	Lectures organised	05		
	Exhibition			
09-10-12	Film show	01		
	Fair			
12-10-12	Farm Visit	02		
	Diagnostic Practical's			
	Distribution of Literature (No.)	12		
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)	150		
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			

	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week		**63**	

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
	Wheat Wheat	HS-240 HS-295 VL829	9.50 Crop in field	22230	47
OILSEEDS	-	-	-	-	-
PULSES	-	-	-	-	-
VEGETABLES	-	-	-	-	-
FLOWER CROPS	-	-	-	-	-
OTHERS (Specify)	-	-	-	-	-

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	**9.50**	**22230**	**47**
2	OILSEEDS	-	-	-
3	PULSES	-	-	-
4	VEGETABLES	-	-	-
5	FLOWER CROPS	-	-	-
6	OTHERS	-	-	-
TOTAL		**9.50**	**22230**	**47**

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	**Apricot**	**Shaney Punjab**	**0.103**	-	-
SPICES	-	-	-	-	-
VEGETABLES	-	-	-	-	-
FOREST SPECIES	Polpar	G-48	50		02
	Bamboo		20		04
	Setaria root Napier root slips	Riversdale	700 750		33
ORNAMENTAL CROPS	-	-	-	-	-
PLANTATION CROPS	-	-	-	-	-
Others (specify)	-	-	-	-	-

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	**0.103**	305	-
2	VEGETABLES	-	-	-
3	SPICES	-	-	-
4	FOREST SPECIES	50	-	02
		20	-	04
		700 750	-	33

5	ORNAMENTAL CROPS	-	-	-
6	PLANTATION CROPS	-	-	-
7	OTHERS	-	-	-
	TOTAL	**1520**		**1520**

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS	-	-	-	-	-	-
BIOFERTILIZERS	-	-	-	-	-	-
BIO PESTICIDES	-	-	-	-	-	-

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS	-	-	-	-	-
2	BIO FERTILIZERS	-	-	-	-	-
3	BIO PESTICIDE	-	-	-	-	-
	TOTAL	-	-	-	-	-

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle	-	-	-	-	-	-
SHEEP AND GOAT	-	-	-	-	-	-
POULTRY	-	-	-	-	-	-
FISHERIES	-	-	-	-	-	-
Others (Specify)	-	-	-	-	-	-

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-
3	POULTRY	-	-	-	-	-
4	FISHERIES	-	-	-	-	-
5	OTHERS	-	-	-	-	-
	TOTAL	-	-	-	-	-

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

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

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers			
1	Role performance of women in decision making of vegetable cultivation in Poonch district. ***Advance Research Journal of Social Science***, Vol: 03 (2), 2012; pp:170-173.	Neeraja Sharma, Arun Gupta, R.K. Arora and **Sanjay Khar**	
2	Genotype x Environment interactions for forage productivity in oats (Avena sativa L.). ***Indian Journal of Plant Genetic Resources,*** Volume: 25(3), 307-310.	Sharma, M., Sharma, V., Singh, A.K. and **Puneet Choudhary.**	
3	Principal component analysis of fast growing willow clones for quantitative traits under short rotation forestry. ***Annals of Forestry***, Vol: 20 (1); 2012, 26-30.	N. B. Singh, S. Joshi J P Sharma, **Punit Choudhary**, H.P. Sankhyan and M. Sankanur	
4	Molecular diversity of willow clones selected for commercial plantation. ***Indian Journal of Plant Genetic Resources***, Accepted.	N. B. Singh, **Punit Choudhary**, and S. Joshi	
5	Process evaluation of the Vegetable Integrated Pest Management Farmers Fields School (IPMFFS) programme in Jammu region of J&K state. ***Journal of Community Mobilization and Sustainable Development,*** Vol: 7(1), 12-20. 2012	**Sharma R**., Peshin, R. and Shankar Uma	
6	Influence of dietary protein levels on urinary purine derivatives excretion in murrah buffaloes. ***Indian Journal of Animal Science***, 83 (2): 143-45 (2013)	Mehra, U.R., Verma, A.K., **Deshpande, K. Y**. and Singh, P	
7	Constraints faced by the Wheat farmers in adoption of recommended practices in intermediate region of J&K**..** ***Indian Journal of Social Research***, 55 (1 or 2) accepted.	**Rakesh Sharma,** Sanjay Khar, Punit Choudhary, Abhay Kumar Sinha and K.Y. Deshpande	
8	Nutritional composition and in vitro gas production of commonly fed fodder to cattle in Tamilnadu, ***Indian Veterinary Journal***, 90 (1): 35-37 (2013)	**Deshpande K. Y**., Karunakaran R., Balakrishnan V. and.Thirunavukkarassu M	
9	Milk Allantoin Content as an Indicator to Assess Rumen Microbial Protein Synthesis. ***Animal Nutrition and Feed Technology***, 12: 229-239 (2012)	**Deshpande, K.Y**., Mehra, U.R., Singh, P. and Verma, A.K.	
Total		**09**	
Abstracts			
1	Energy utilization pattern in tomato production under dryland conditions. 47th Annual convention of Indian Society of Agriculture Engineers (ISAE) & International Symposium on Bioenergy Challenges and Opportunities, 28-30 January, 2013 ANGARU, Hyderabad. Pp:25	**Sanjay Khar,** Pawan Sharma**, Rakesh Sharma, Punit Choudhary and Manoj Kumar**	
2	Effect of flail type forage harvester on changes in nutritional value of Bajra fodder. 47th Annual convention	**Sanjay Khar** and S.S. Ahuja	

	of Indian Society of Agriculture Engineers (ISAE) & International Symposium on Bioenergy Challenges and Opportunities, 28-30 January, 2013 ANGARU, Hyderabad. Pp:49.		
3	Comparison of energy of tillage systems in wheat production. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 185.	**Sanjay Khar, Rakesh Sharma, Punit Choudhary and K.Y. Deshpande**	
4	Controlled crossing (hybridization) among tree willows (*Salix* spp.) in India. FAO, International Popular Commission, 24th Session Dehradun, India. 30th October-2 November 2012. Working paper IPC/11 FAO Rome, Italy, pp:14.	**Punit Choudhary** and N B Singh	
5	Crossability relationship among some indigenous and exotic willows (*Salix* spp). FAO, International Popular Commission, 24th Session Dehradun, India. 30th October-2 November 2012. Working paper IPC/11 FAO Rome, Italy, pp:15.	**Punit Choudhary**, N. B. Singh and J P Sharma	
6	Willow improvement in India present status and future possibilities, FAO, International Popular Commission, 24th Session Dehradun, India. 30th October-2 November 2012. Working paper IPC/11 FAO Rome, Italy, pp:50.	N. B. Singh, J P Sharma **Punit Choudhary**, S. K. Huse and Sanjeev Thakur	
7	Development of new clones for willows through breeding. FAO, International Popular Commission, 24th Session Dehradun, India. 30th October-2 November 2012. Working paper IPC/11 FAO Rome, Italy, pp:42.	J P Sharma, N. B. Singh, **Punit Choudhary**, M.K. Singh and Sanjeev Thakur	
8	Variation in pollen size and viability (per cent) among willow clones/species. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 148.	**Punit Choudhary** and N. B. Singh	
9	Effect of feeding detoxified *Jatropha curcas* meal on the performance of crossbred milch cows. (Eds. Pattanaik, A.K., Dutta, N., Verma, A.K., Jadhav, S.E., Dhuria, R.K. and Chaudhary, L.C., 2012). *Animal Nutrition Research Strategies for Food Security: Abstracts.* Proceedings of 8th Biennial Animal Nutrition Association Conference, November 28-30, 2012, Bikaner, India, 185 pp	**Deshpande, K.Y**., Dutta, N., Pattanaik, A.K., Narang, A., and Sharma, K.	
10	Nutrient utilization and performance of hogget lambs fed detoxified *Jatropha curcas* meal at graded levels. (Eds. Pattanaik, A.K., Dutta, N., Verma, A.K., Jadhav, S.E., Dhuria, R.K. and Chaudhary, L.C., 2012). *Animal Nutrition Research Strategies for Food Security: Abstracts.* Proceedings of 8th Biennial Animal Nutrition Association Conference, November 28-30, 2012, Bikaner, India, 186 pp.	**Deshpande, K.Y**., Dutta, N., Sharma, K., Pattanaik, A.K., and Narang, A.	
11	Prospects and potential of cultivating medicinal plants in Rajouri-an economic enterprise. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 149.	**Punit Choudhary, Rakesh Sharma, Sanjay Khar, K.Y. Deshpande and Amit Mahajan**	

12	Relevance to Revive Extensive Production System of Small Ruminants as a Sustainable Venture in Jammu & Kashmir. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 327.	**Deshpande, K.Y., Sanjay Khar, Punit Choudhary, and Rakesh Sharma**	
Total		**12**	
Book Chapters			
1	IPM Extension: A global overview. In: D.P. Abrol (eds) IPM: Current concepts and ecological perceptive, Elsevier Publications. (2013)	Peshin, R., Jaya Ratne, K.S.V. and **Sharma, R**	
Total		**01**	
Technical reports			
1	Scientific advisory committee Agenda Report	Scientific staff of KVK	
2	University News letter	Scientific staff of KVK	
3	Research and Extension highlights	Scientific staff of KVK	
4	Extension Council Agenda Report	Scientific staff of KVK	
5	Annual Report – 2011-12 of KVK Rajouri	Scientific staff of KVK	
Total		**05**	
Popular articles			
1	WTO Agreement on Agriculture	**Sharma R**., Choudhary P., Khar S., Bali K. and Sharma P.	40
2	Newer insecticide molecules currently in use against different insects and pests	**Bali K.,** Khar S., Choudhary P. and Sharma R.	100
3	Maximum residue limit and waiting period for vegetables, fruits and cereals	**Bali K.,** Khar S., Sharma R. and Choudhary P.	121
4	Plant Variety Protection & Farmers Right for Medicinal Plants and Forest Genetic Resources	**Punit Choudhary**, Rakesh Sharma and Sanjay Khar	54
5	Important fodder trees and grasses of Rajouri district	Punit Choudhary, Rakesh Sharma and Sanjay Khar	76
Total		**05**	**391**
Leaflets/folders			
1	Integrated *Parthenium* management	Sanjay Khar, Puneet Choudhary, Rakesh Sharma & Manoj Kumar	400
2	Gajarghas Se Compost Banayen, EkSath Do Labh Uthayen	Sanjay Khar, Puneet Choudhary, Rakesh Sharma & Manoj Kumar	450
3	IPR in Forestry	Puneet Choudhary, Rakesh Sharma & Sanjay Khar	155
4	Aloe Vera-A wonder plant	Puneet Choudhary, Rakesh Sharma & Sanjay Khar	212
5	Balanced ration for better dairy production	K.Y. Deshpande	121
Total		**05**	**1338**
GRAND TOTAL		**38**	**1729**

I Details of Electronic Media Produced: Nil

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

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

SUCCESS STORY 1

TITLE: Adoption of Sericulture – A Profitable Venture

Introduction	Sericulture involves agriculture, art and industry. Silkworm rearing is an art of rural households, which provides employment to rural families for upliftment of their economic status. This enterprise was tapped by some farm families in past; but the farmers were not satified with quality of cocoon provided to them by the sericulture department.
Name of the village	Bakhar
Address	Village and Post office Bakhar Tehsil: Sunderbani Block : Nowshera District: Rajouri
Land Holding	-
Cropping Sequence	-
KVK Interventions	KVK Rajouri intervened to save the new enterprise liked by farmers and helped by providing the technical expertise for sericulture in village. Department of Sericulture helped farmers by providing boxes and other inputs needed vide various schemes of the department.
Outcome	Due to intervention of KVK, Rajouri about 70% of farm households adopted silkworm rearing as a subsidiary business in a village of 574 households.
Output	KVK Rajouri conducted training programme on sericulture for farmers of district Rajouri in coordination with Department of Sericulture and Division of Sericulture, SKUAST – Jammu. Moreover, awareness camp was also organised to make farmers aware of different schemes of sericulture department, marketing linkages and other issues. Farmers learnt the nuances of silk worm rearing and kept in touch with KVK experts for their queries or hurdles faced by them.
Impact	In year 2012-13, the sericulture farmers were able to earn an additional income to the tune of more than Rs 10 lakhs. The average silk rearing family was able to earn an additional income to the tune of of Rs. 20000-30000 from the sericulture enterprise producing 80-100 kg cocoons per annum. The farmers of the village have now become a source of inspiration to many other farmers of the district.

SUCCESS STORY 2
TITLE: SUSTAINABLE INCOME GENERATION THROUGH INTEGRATED FARMING

Introduction	
Name of the farmer	Sh. Ramesh Chander Sharma S/O Sh. Kaka Ram
Address	Village and Post office Siot Tehsil: Sunderbani District: Rajouri

Land Holding	6.25 Ha (125 Kanals)
Cropping Sequence	Fruit trees +Maize+urd bean+Sunflower+ vegetables+ medicinal plants – Wheat+Mustard+Vegetables+Sunflower +medicinal plants
KVK Interventions	KVK, Rajouri has actively guided the farmer in laying out the Agroforestry model along with imparting trainings on the cultivations of medicinal and aromatic plants, laying out of plots on cereals, pulses and oilseed crops, raising and management of nurseries of avenue trees, fruit plants, vegetables, medicinal and aromatic plants, cultivation of vegetables in trenches for higher income etc with the results the farmer has been able to supplement his income and also developed himself as roll model/ master trainers for the unemployed rural youth of the area. The farmer is receiving regular guidance from KVK, Rajouri since 2005.
Outcome	➢ Carrying out integration of cereal, pulses, and oilseed crops, vegetables like ginger garlic, onion etc. in combination with fruit trees in the form of an integrated system on sustainable basis and is a source of inspiration to many progressive farmers of the district. ➢ Started integration of vegetables under trences with fruit trees for attaining higher productivity from the same resources. ➢ Owned orchard of Citrus (Kinnow, Masumbi and lemon), Guava Apricot, Pear, in approximately 4.100 ha of land. Most of the fruit trees are either grafted or developed by his own efforts from the limited stock available to him from different sources like SAU's and private nurseries. ➢ Established nursery of medicinal and aromatic plants like Arjun, Neem, Amla, Ashwagandha, Sarpgandha, Bael, Kathal etc, horticulture fruit trees like Apricot, Pear, Citrus, Plum, Peach and ornamental trees like silver oak, alstonia, palm, bottle brush etc in 1.47 ha of land. ➢ Dedicated farmer and actively involved in the plantation of medicinal and aromatic plant and other ornamental and fruit trees on the govt. lands, schools and other community lands with out any monetary benefit and solely for the benefit of the society.
Output	Sale of nursery saplings(fruit, MAP's etc) - Rs. 1.70 lakh/annum Sale of fruits (peach, guava and citrus) - Rs. 1.45 lakh/annum Income from cereals, pulses and oilseeds - Rs 1.21 lakh/annum Income from vegetables (Onion, garlic etc)- Rs. 0.80 lakh/annum Nearly 20'000 saplings of medicinal and aromatic plants, avenue trees etc are planted at the community lands, school etc. free of cost in 2012-13 for the benefit of the society.
Impact	Increased socio-economic status, generation of employment and improved livelihood. Now acts as master trainer for KVK for different training programmes on ornamental and medicinal plants.

SUCCESS STORY: 3

TITLE: MUSHROOM CULTIVATION: A PROFITABLE ENTERPRISE

Introduction	
Name of the farmer	Sh. Jagdish Raj S/o Sh Bashi Ram
Address	Village and Post office Pathanmora

	Tehsil: Rajouri District: Rajouri
Land Holding	1.30 ha (26 Kanals)
Cropping Sequence	Maize – Wheat
KVK Interventions	The farmer in the village was practicing rain fed farming with Maize – Wheat being the sole cropping sequences. The farmer has no other means of income and was unaware about mushroom cultivation as a viable income generating unit. KVK Rajouri made the farmer aware about mushroom cultivation and conducted vocational training / awareness programme for the farmers of the Pathanmora village. Accordingly they were trained and also provided spawn by KVK, Rajouri. Sh. Jagdish Raj, was provided all type of technical guidance regarding white button mushroom, Dingri and Oyster production.
Output	• After the completion on training programme, relevant literature was provided to the trainee farmers. • The KVK scientific staff made follow up visits in the trainee's mushroom unit to know the status of activities done by the farmers. • Developed liaison with the local vegetable vendor for the sale of the produce as the crop got matured.
Outcome	He started his unit with 5.0 qtls Wheat straw (100 polythene bags). He produced 200 kg mushroom within 2 month and sold at the Rs 20,000/- (@ Rs.100kg). His total expenditure was Rs 3000/- and saved Rs 15000/- in two months and continuing the mushroom production throughout the year.
Impact	Mushroom cultivation has changed his life style and he wish to produce mushroom round the year. It has good acceptability with the Rajouri people because it is a cash crop having good demand in the market. The impact of the mushroom unit can be accessed from the fact that 56% of the trainees adopted this venture. The village has now become a source of inspiration to many others farmers of the district.

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

- Identification of problem of the farmers through PRAs, surveys, diagnostic visits and interactions.
- Addressing to these issues through farmer trainings and film shows.
- Horizontal extension through exposure visits for the farmers to progressive farmers field.
- Follow up of the training programmes
- Use of protected cultivation techniques through poly-house structures for growing of off season vegetables and nursery.
- Weed management in maize and wheat using recommended herbicides for managing weeds in the said crops.
- Line sowing in maize and wheat through method demonstration and its adoption by the farmers in cereals, oilseed and pulses with the interventions of KVK.
- Nutrient management in maize by timely application of fertilizers at recommended doses with the efforts of KVK.

- Exhibition of improved farm machinery.
- Demonstration of different farm implements on farmer's field.

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)

INDIGENOUS TECHNOLOGICAL KNOWLEDGE PRACTICED IN RAJOURI DISTRICT

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Brainkar	Decoction of leaves is used for cure of jaundice	Ethnic medicine
2	Kalari prepartion	Milk is processed for preparation of cheese like product at a particular crystallization point	Valued addition of milk
3	Cucurbits and brinjal	Dusting with ash for control of beetles	Plant protection
4	Safe storage of grains	Dried leaves od *Adathoda vesica* for protection against storage pest.	Minimizing storage loss
5	Safe storage of food grains	Locally made storage structures by Morus (Toot) locally known as 'PANDI'	Minimizing storage loss of grains
6	Safe storage of Rice	Making Kunnu and Kunutru	For minimize losses from hailstorm and drying the crop for threshing
	Maize and grasses	Making Karhi form maize stalk and fodder grasses	Storage of Maize straw and hay for lean periods of winter
7	Vegetables	Spraying of Goat waste from protection against insect and pests.	Plant protection
8	*Xanthoxyllum* spp	Astringent value, use of stems as toothbrush	Makes stomach and teeth healthy
9	Cereal crops	Use of drek leaves as bedding	Safe storage of food grains
10	Cucurbits and brinjal	Dusting with ash for control of beetles	Plant protection

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

Identification of courses for farmers/farm women

- Training needs assessment.
- Farmer's scientists interaction at KVK.
- PRA/survey/ diagnostic visits
- Frontline demonstrations.
- Kissan Goshties.
- Ex-trainees Sammalen

Rural Youth

- Training need assessment
- PRA/Survey

In-service personnel

- Officers' Workshops
- ZREAC meeting
- SAC meetings

3.11 Field activities

i. Number of villages adopted: 08

ii. No. of farm families selected : 150

iii. No. of survey/PRA conducted: 2 No. (Kakora and Pathanmora)

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

1. Year of establishment : October, 2006

1. List of equipments purchased with amount:

S. No	Name of the Equipment	Qty.	Cost (Rs)
1	Water distillation unit	1	31667
2	Willy Grinding Mill	1	19406
3	P.H. meter	1	16706
4	Precisa analytical balance	1	52594
5	Kahn Shaking Machine	2	29358
6	Oven	1	12900
7	Spectrophotometer	1	151340
8	Flamephotometer	1	31149
9	EC meter	1	15729
10	Hot plate	1	1153
11	Kjeldhal Distillation and digestion unit	2	37695
Total		**13**	**399397**

3. Details of samples analyzed so far:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	10	10	-	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
Total	-	-	-	-

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

- Wheat crop varieties HS-240, HS-295, VL-892 Raj 3765 and PBW 175, Maize varieties Proagro-4794, Bioseed 9220 were popularized in the district through FLD programme. The productivity of wheat crop increased by 31.12 % and that of maize increased by 35 to 38% and successfully adopted by the farmers.

- Oilseeds namely mustard (Pusa bold) and gobi sarson (GSL-1) are popularized in the district for encouraging crop diversification. Pusa-bold and GSL-1 varieties have been demonstrated under FLDs and there is 50-68% increase in production of these crops resulting in 18-21% increase in adoption rate of these crops in the district**.**

- Urad bean variety Uttara was popularized in the district through FLD programme. The productivity of Urad bean increased by 45 % and successfully adopted by the farmers.

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

During the year 2012-13, eight no. of Vocational training programmes were conducted for the unemployed youths of the district on different aspects to make them technically competent to establish their own venture. In mushroom cultivation training thirteen farmers were trained, out of which seven trainees started cultivating mushroom as an enterprise. Among the forty one farmers/youth trained in backyard poultry production and were motivated to start their backyard poultry units. The KVK Rajouri also made the rural youth aware about formation of farmers club and self help groups to make available the various facilities provided by the government. Thirty farmers/farm women were trained about nursery management and cultivation of Medicinal and Aromatic plants and were also distributed rootslips of Napier and *Sateria* grasses.

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	**Nature of linkage**
Department of Agriculture	Technical Support, Consultancy Resource personnel's, Agro advisory Monthly Messages, Joint Diagnostic Visits
Department of Horticulture	
Department of Animal Husbandry	
Department of Sheep Husbandry	
Department of Floriculture	
Department of Forest	

Department of Fisheries	
NABARD	Resource personnel's
J&K Bank RSETI	Resource personnel's
Nehru Yuva Kendra	Technical Support Consultancy Resource personnel's,
Indian Army	Consultancy Resource personnel's
Farmers Training Centre	Resource personnel's
District Institute of Education and Trainings (DIET), Higher Education, Rajouri	Resource personnel's
Non Governmental Organizations	Consultancy
Self Help Groups	Consultancy

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-
-	-	-	-
-	-	-	-

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Training on PRA	Resource person from KVK	-
2.	Farmer scientist interaction	Guest Experts	-
3	Krsihi mela	Participation	-

5.4 Give details of programmes implemented under National Horticultural Mission: Nil

S. No.	Programme	Nature of linkage	Constraints if any
	-	-	-
	-	-	-
	-	-	-

5.5 Nature of linkage with National Fisheries Development Board: Nil

S. No.	Programme	Nature of linkage	Remarks
	-	-	-

6.0 PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm): Nil

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

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.	Cost of inputs	Gross income	
Cereals									
Maize	28-06-12 To 15-07-12	15-10-12 to 05-11-12	**4.6**	**Proagro 4794**	**Grain**	**14.77**	**12585**	**16690**	
Wheat	30-11-12 to 19-12-12	-	**2.8**	**Vl829 Vl892**	**Seed Grain**	-	**12585**	-	-
Mustard **Gobi Sarson**	29-11-12 20-12-12	-	**0.8** **0.5**	**Pusabold** **DGS-1**		-	**1977** **1002**	-	-
Pulses									
Pigeon pea	-	-	-	-	-	-	-	-	-
Oilseeds									
Fibers	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
-	-	-	-	-	-	-	-	-	-
Floriculture									
-	-	-	-	-	-	-	-	-	-
Fruits	-	-	**0.01**	**Shan-e-Punjab**	**Fruit**	-	-	**305**	**Auctioned**
Vegetables									
Tomato					**Fruit**			**190**	**Auctioned**
Others (specify)									
Green fodder Grass	-	-	-	-	-	-	-	**44250**	**Auctioned**
Seasmum Til	-	-	-	-	-	-	-	**900**	**Auctioned**
Mustard	-	-	-	-	-	-	-	**2581**	**Auctioned**
***Luecinea* fodder leaves**	-	-	-	-	-	-	-	**10100**	**Auctioned**

Maize straw	-	-	-	-	-	-	-	**5800**	**Auctioned**
Maize cobs	-	-	-	-	-	-	-	**180**	**Auctioned**
Wheat straw	-	-	-	-	-	-	-	**17650**	**Auctioned**
Oats fodder	-	-	-	-	-	-	-	**5600**	**Auctioned**
Total								**104246**	

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

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) : Nil

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: Nil

Training programmes conducted using Rainwater Harvesting Demonstration Unit: Nil

Date	**Title of the training course**	**Client (PF/RY/EF)**	**No. of Courses**	**No. of Participants including SC/ST**			**No. of SC/ST Participants**		
				Male	**Female**	**Total**	**Male**	**Female**	**Total**
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Demonstrations conducted using Rainwater Harvesting Demonstration Unit: Nil

Date	**Title of the Demonstration**	**Client (PF/RY/EF)**	**No. of Demos.**	**No. of Participants including SC/ST**			**No. of SC/ST Participants**		
				Male	**Female**	**Total**	**Male**	**Female**	**Total**

Seed produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	**Quantity of seed produced (q)**
NA	

Plant materials produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	**Number of plant materials produced**
NA	

Other activities organized using Rainwater Harvesting Demonstration Unit: Nil

Activity	No. of visitors
Visit of farmers	
Visit of officials	

6.5 Utilization of hostel facilities: Nil

Accommodation available (No. of beds) : 10

Months	Title of the training course/Purpose of stay	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total				
May 2012				
Total				
June 2012				
Total				
July 2012				
Total				
August 2012				
Total				
September 2012				
Total				
October 2012				
Total				
November 2012				
Total				
December 2012				
Total				
January 2013				
Total				
February 2013				
Total				
March 2013				

Total				
Grand total				

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	-	-	-
With KVK, Rajouri	**Jammu and Kashmir bank**	**Rajouri**	**40900, 40929**

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif 2011	Rabi 2011-12	Kharif 2011	Rabi 2011-12	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif 2012	Rabi 2012-13	Kharif 2012	Rabi 2012-13	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

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

Item	Released by ICAR	Expenditure	Unspent balance as on 1st April 2013
	Kharif 2012	Kharif 2012	
Inputs	-	-	-
Extension activities	-	-	-
TA/DA/POL etc.	-	-	-
TOTAL	-	-	-

7.5 Utilization of KVK funds during the year 2012-13 (up to March 2013)

S.No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	64.49	64.49	64.35
2	**Traveling allowances**	090	0.90	0.86
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	2.00	2.00
B	POL, repair of vehicles, tractor and equipments			

C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	3.0	3.00	3.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**70.39**	**70.39**	**70.21**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**70.39**	**70.39**	**70.21**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2010 to March 2011	7,65,494	1,83,856	27,615	9,21,735
April 2011 to March 2012	9,21,735	1,81,430	80,483	10,22,682
April 2011 to March 2013	10,22,682	196,004	102,794	11,15,892

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

(a) Administrative: Nil
(b) Financial: Nil
(c) Technical: Nil

Annexure A

District Profile - I

1. General census :

Rajouri district is located on the south western side of the Jammu and Kashmir (J&K) state. The district has seven tehsils, nine blocks, 160 Panchayat and 385 villages. The total population of the district is 4.83 lakh, out of which, 284709 belongs to general category, 160049 scheduled tribes (ST) and 38526 scheduled caste. Total geographical area of the district is 253340 ha, out of which 56400 ha is net sown area, 94353 ha is under forests, 71603 ha is not available for cultivation, 53580 ha is fallow lands and 33036 ha is other uncultivated land excluding fallow lands. The total irrigated area of the district is 8562 ha which comprises 8 per cent of the net sown area. The cropping intensity of the distinct is 185 per cent. The total livestock population of the district is 9.64 lakh which constitutes 1.13 lakh cattle, 1.34 lakh buffaloes, 4.33 lakh sheep and 2.84 lakh goats. Apart from livestock, the district harbours 2.47 lakhs of poultry (backyard and commercial) as well as 56,836 other animals like donkeys, mules and horses.

2. Agricultural and allied census:

The major cropping sequence of the district is maize-wheat. The area under different agricultural crops in the year 2011-12 includes 40000 ha under maize, 40000 ha under wheat, 8000 ha under rice, 377 ha under pulses, 281 ha under bajra, 494 ha under condiments and spices and 234 ha under fruits and vegetables. The total area under non-food crops is 1471 ha, which includes 562 ha under oilseeds, 764 ha under fodder and 31 ha under other non-food crops. The average productivity of major food crops namely: maize is 28.32 q ha^{-1}, wheat is 16.30 q ha^{-1} and paddy is 32.14 q ha^{-1}.

3. Agro-climatic zones:

Rajouri district comprises of three predominant agro climatic zone (ACZs) viz; sub tropical zone , lower intermediate or temperate tropical transition and higher intermediate or tropical region . The sub tropical zone is below 800m from mean sea level, the lower intermediate zone lies between 800-1500 m above the mean sea level and the higher intermediate zone lies above 1500 m form the mean sea level.

4. Agro-ecosystems:

The area of Rajouri district falling in sub tropical zone has been covered under one Agro- ecological situation viz. AES-I: Moderately Plain, High summers and mild winter, slightly warmer than AES-2. This AES comprises of 0.45 lakh hectares area which constitutes 19. 45 per cent of the total geographical area of the district. The area of the district Rajouri falling under intermediate zone has been categorized into two agro-ecological situations. The area of the district Rajouri falling under intermediate zone has been categorized into two agro ecological situations viz. AES-2: Moderately hilly somewhere flat with hot summers, severe winters and foggy conditions. This AES comprises of 0..54 lakh hectares are which constitutes 21.81 percent of the geographical area of the district. AES-3: Moderate to steep with hot summers and mild winters. The AES comprises of 0.36 lac hectares are which constitutes 13.90 percent of the geographical area of the district. The area of the district falling in the tropical zone has been categorized into two agro ecological situations i.e. AES-4: Moderately undulating to steep with mild summers and severs winters. This

AES comprises of 0.59 lac hectares are which constitutes 23.60 percent of the total geographical area of the district. AES-5 Mild to highly steep with cool summers and sever winter . This AES comprises of 0.54 lac hectares area which constitutes 21.24 percent of the geographical area of the district.

5. Major and micro-farming systems:

S.No	Farming situation	Agro – Ecological situation				
		ASE-I	ASE-2	ASE-3	ASE-4	ASE-5
2.	**Small Farmers**					
A	Rain fed	P/AP/Agri+ S/A.H+ Q/Hort+ Forest produce	PAgri+ S1/A.H	PAgri+ S1/A.H+ T1/Hort+ T2/Veg	N	N
B	Irrigated / Rainfed	P/Agri+ S/A.H+ Q/Hort+ Q/ Service	N	N	N	P/Agri+ S/A.H+ Q/Hort+ Forest produc
C	Irrigated	P1/Agri P2/A.H S/Hort	N	P/Agri S/Service T/A.H P2/Agri+ S/A.H	N	N
3.	**Large farmers**					
A	Rain fed	N	P/Agri	N	P2/Forestry S/A.H T1/Veg T2/ Hort	N
B	Irrigated / Rainfed	P2/Agri.+ S/A.H T/ Hort	N	P/Agri.+ S/Service T1/Hort. TT2/ A.H	N	N
C	Irrigated	N	P1/A.H P2/Agri. S/Hort	N	P/Agri S/Hort T/A.H	N
3. landless						
a.	Rainfed	Weaving + Agri. labour	Service+ Agri labour	Agri Labour+ Sheep rearing	Sheep rearing	A.H. Agri labour

P= Primary, S= secondary, T= Tertiary, Q=Quartile, N=Nil (Less than 15%)

6. Major production systems:

The predominant production systems existing in Rajouri district are :

- Maize + Rajmash
- Maize-Wheat
- Paddy-Wheat

- Maize-Toria-Wheat
- Paddy-Berseem
- Maize-oats (fodder)
- Maize/Mash-Wheat/Oilseed
- Wheat-Cucurbits-Tomato

Major agriculture and allied enterprises:

The scenario of major agriculture and allied enterprises practiced by the farmers in Rajouri district are:

a. Agriculture
b. Livestock farming
c. Horticulture
d. Poultry farming
e. Sericulture
f. Fish farming
g. Apiculture.

Agro-ecosystem Analysis of the focus/target area - II

1. Names of villages, focus area, target area etc.

Name of Agro- climatic Zones (ACZ)	Name of Agro-eco situations (AES)	Blocks covered	Name of Representative village
Sub- tropical	AES-1	Nowshera, Sunderbani parts of Kalakote	Nonial and Thanda Pani
Lower intermediate	AES-2	Rajouri Parts of Kalakote Parts of Manjakote, Parts of Budhal	Palam and Doongi Brahmana
Lower intermediate	AES-3	Part of Manjakote, part of Budhal , Part of Thanamandi, part of Darhal	Rajdhani and Phalni
Higher intermediate	AES-4	Budhal, Darhal , Thanamandi, Manjakote	Kewal and Doke
Higher intermediate	AES-5	Budhal, Manjakote Darhal , Thanamandi	Topa and Raj Nagar

2. Survey methods used (survey by questionnaire, PRA, RRA, etc) :

Participatory Rural Appraisal (PRA) and semi- structured interviews.

3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc:

Identification of Existing Farming system (EFS) under different Agro- ecological situation in district Rajouri was done through a detailed survey of two representative village of each AES through Participatory Rural Appraisal (PRA) and semi-structured interviews. Secondary data was collected from the village level resource data custodians viz. Revenue and land records and Panchayat sources. Information related to association of individual farming family with different enterprises contribution of each enterprise toward total annual income + chorological development issue through time line indigenous technical knowledge (ITK) and success stories were collected through PRA.

During PRAs representation of all categories of farmers landless labourers youth, farm women and various communities on the basis of the religion caste and gender was ensured . The primary as well as secondary data generated through PRAs was complied to draw various interferences regarding the available and pertinent factual information of each AES.

4. Analysis and conclusions

5. List of location specific problems and brief description of frequency &extent/intensity/severity of each problem.

The information pertaining to Point 4 & 5 is furnished as under in the tabular form.

AES-1

S.No	Strengths	Weaknesses	Opportunities	Threats
1	Area well connected with roads & has easy access to market specially for grains.	Water harvesting techniques not adopted by the farmers	Feed concentrate can be prepared locally with the available grains.	Prone to soil erosion near river bed area
2	Mechanized farming possible due to plain area	Cultivars opted by the farmers are rarely available locally	Climate conducive for seed multiplication cereals	Direct pollution form stone crushers affect environment
3	Fertile soil with sandy loam to clay loam texture	Paucity of irrigation	Climate suitable for growing high value cash crops i.e. flowers, vegetables etc.	-
4	Easy access to input supply like seed fertilizer and feed	Decline in vegetable cultivation	Availability of good equality planting material	Three obnoxious weed species i.e. Ageratum, Lantana and *Parthenium* causing havoc in grass and common lands
5	-	Improper use of chemical fertilizers and FYM	Scope of milk consumption due to easy access to market	Frost sensitive area and late harvested fruits sensitive to fruit fly
6	Rearing of cross bred cows by the farmers	Poor quality fruit production	-	Un-hygienic condition of poultry farms creating chances of disease out break
7	Green fodder crop like sorghum and berseem grown by the farmers	Plant protection techniques not properly applied in agricultural and horticultural crop	Scope of AI Programmes	Poor animal health due to insufficient feeding an disease management
8	-	Lack of co- ordination between farmers and markets due to monopolistic marketing	-	-

AES-2

S.No	Strengths	Weaknesses	Opportunities	Threats
1	Area well connected with roads and has easy access to market specially for grains.	Poor functioning of irrigation schemes, imbalanced fertilizer use	Nearby available marketing facility for small output of vegetables and fruits	Regular changing of river course leading to soil erosion of non-cultivable areas.
2	Good site for vegetable cultivation like Cauliflower, ladyfinger etc.	Lack of knowledge about animal husbandry manag	Easy transportation facilities	Animals prone to various diseases due to variation in temperature and humidity

AES-3

S.No	Strengths	weaknesses	Opportunities	Threats
1	Well drained soils	Rain-fed farming	Rainy season vegetables Like tomato, turmeric, bhindi, ginger, cucurbits can be grown successfully	Monkey, birds cause serious damage to crops.
2	Use of farm machinery for land Preparation	Small and scattered holdings, availability of AI facilities	Home scale preparation of milk products.	-

AES-4

S.No	Strengths	weaknesses	Opportunities	Threats
1	Fertile well drained soils	Lack of interest in Farmers diversification Due to poorly organised Marketing system	Conducive climate for vegetable cultivation	Perennial weed infestation
2	Perennial water supply through natural Flow rivulets	Non-availability of light weight power tillers	Scope for fish production	Occurrence of paddy blast
3	Availability of sizeable pastures lands	Small and fragmented land holding	Conductive climate For Nut and stone fruit cultivation	Local germplasm of Paddy at the verge of extinction

AES-5

S.No	Strengths	weaknesses	Opportunities	Threats
1	Fertile and less exploited soils	Risk of soil erosion, improper fertilizer use	Intensification of off-season vegetable production	Un-replenishment exploitable of medicinal plants from forest, Hailstorm prone area.
2	Perennial water sources	People rearing local low producing sheep breeds	Scope for cold water Fish production	-
3	Pastures rich in nutritive grasses	Poor animal care and management including Feeding, de-worming and breed up-gradation	-	-

6. Matrix ranking of problems:

7. List of location specific thrust areas

8. List of location specific technology needs for OFT and FLD

9. Matrix ranking of technologies

The information pertaining to point No. 6,7,8 & 9 is furnished as under

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology Needs for OFTs & FLDs**	**AESs**
Maize	1	Non adoption/ Poor adoption of hybrids/ HYVs	Popularization of Hybrids / HYVs of Maize	-on farm trails -demonstration -Exposures visits	1,2,3,4,&5
	2	Imbalanced fertilizer application	Convincing farmer to use balanced fertilizer doses	-Demonstration - Taking soil sample by farmers themselves -Fertilizer demonstration - Training	1,2,3,4,&5
	3	Improper Weed management	Adoption of proper weed management practices	- Testing of new herbicidal formulations -Training on calculating herbicidal doses -Demonstration on weed management.	1,2,3,4,&5
	4	Insect pest infestation	Disease and pest management through IPM	- Demonstration on IPM – Awareness and training on IPM practices	1,2,3,4,&5
	5	Lodging in maize	Proper/ adequate spacing and drainage	-on farm trails -Demonstration -Training - field days	1,2,3,4,&5
Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology seed**	**AESs**
Paddy	1	Use of traditional varieties leading low yield	- cultivation of high v (HYVs)	- demonstrations on HYVs of paddy - Farmers awareness and training	1,2,3,4,&5
	2	Low adoption of seed treatment	-Adoption of seed treatment	- Demonstration - Training	1,2,3,4,&5
	3	Imbalanced fertilizer use	- Balanced use of fertilizer	-Demonstrations - training on calculating exact fertilizer doses - Exposure visits	1,2,3,4,&5
			use of bio-fertilizer , Blue green Algae, Azolla etc.	On farm trials -Demonstrations -Exposure visits	
	4	Crop infestation with disease and insect	- adoption of IPM strategy for disease and pest management	- Demonstration on IPM - Awareness and training on IPM approach - Exposure visits	1,2,3,4,&5

				- On farm trails	
	5	Weed infestation	- timely weed management - Proper method of weed management	-Herbicide testing through on farm trials - demonstration on locally applicable herbicides - Exposures visits	1,2,3,4,&5
	6	Improper spacing	- correct inter- row and interplant spacing	- demonstration on correct/ proper inter- row and inter plant spacing - training Exposure visits	1,2,3,4,&5
	7	Crop lodging	- Adoption of dwarf varieties	- On farm trials - Demonstration	1,2,3,4,&5
	8	Improper water management	- proper water management in paddy	- Training	1,2,3,4,&5
	9	Improper post harvest management and storage practices	Adoption of proper post harvest management and storage practices	Awareness Training	1,2,3,4,&5

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology need**	**AESs**
Wheat	1	Mismatching of varieties for sowing time	Recommendation of varieties according to sowing time	-On farm trails - Demonstrations - Training	1,2,3,4,&5
	2 i ii	Rain fed farming Poor soil moisture conservation. Improper plant population.	-Introduction and use of drought resistant varieties - Line sowing in wheat	- on farm trials to find out local adoption of cultivars by farmers themselves - Demonstration - Training - Field Visits	1,2,3,4,&5
	3	Imbalanced nutrient management	- Integrated nutrient management strategy - use of basal NPK and N through broadcasting at proper time and in proper proportion	-On farm trails - demonstrations - Exposure	1,2,3,4,&5
	4	Poor weed management	Proper and timely weed management	- Demonstration - Training	1,2,3,4,&5
	5	Termite attack	Seed and soil treatment with chemicals	- Demonstration - Training	1,2,3,4,&5
	6	Seed brone diseases	Seed treatment with chemicals	- Demonstration - Training	1,2,3,4,&5

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology need**	**AESs**
Oilseed	1	Use of local germplasm for sowing tim	Use of recommended verities	-Demonstration	1,2,3,4,&5
	2	Unscientific sowing	Sowing as per recommendations	-Demonstration - Training	1,2,3,4,&5

	3	Improper fertilizer use	Balanced fertilizer application	-Demonstration - Training	1,2,3,4,&5
	4	Crop infestation with insects	Timely and proper use of Insecticides	-Demonstration - Training	1,2,3,4,&5

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology need**	**AESs**
Pulses	1	Low productivity due to cultivation of local varieties time	Use of recommended verities	-Demonstration - Trainings	1,2,3,4,&5
	2	Improper fertilizer application	-Balanced fertilizer Application - Rhizobium treatment of seed	Demonstration - Training	1,2,3,4,&5
	3	Growing pulses on Unsuitable land	Growing pulses on suitable land	- Trainings	1,2,3,4,&5
	4	Occurrence of insects/ diseases	- Timely and proper use of plant protection material for control of pod borer in gram	Demonstration - Trainings	1,2,3,4,&5
			- blight control in mash and gram		

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology need**	**AESs**
Vegetable	1	Cultivation of Untested and non- recommended seed material	Cultivation of recommended and tested and tested hybrids/ Varieties	-OFTs - Training	1,2,3,4,&5
	2	Non- adoption of seed and soil treatment	Treatment of seed and soil	-Demonstration - Training	1,2,3,4,&5
	3	Improper and un- timely use of plant protection measure	Proper and timely use of plant protection measure	-Demonstration - Training	1,2,3,4,&5
	4	Non- availability of organized marketing system	organized marketing system	-Formation of vegetables growers self help groups -Exposure visits	1,2,3,4,&5
	5	Lack of market intelligence	Market intelligence	Trainings and Publicity	1,2,3,4,&5
	6	Low adoption of home	Popularization of home scale vegetable preservation	- Demonstrations (method) -Trainings - Exposure visits	1,2,3,4,&5

Crop	**Matrix ranking of problem**		**Thrust Area**	**Location specific technology need**	**AESs**
Stone fruits	1	Non- adoption of Training and pruning practices	Adoption of recommended Training and pruning practices	- Trainings and Publicity	1,2,3,4,&5

	2	Non- adoption of recommended insect-pest practices	Adoption of recommended insect-pest management practices	- Trainings and Publicity	1,2,3,4,&5

Crop	Matrix ranking of problem		Thrust Area	Location specific technology need	AESs
Nut fruits	1	Non- adoption of sufficient grafted / budded planting material	Improved propagation techniques	- Trainings and Publicity	1,2,3,4,&5
	2	Improper filling of nuts in certain varieties of pecanuts	Development of suitable measure to over come the melody	- Trainings and Publicity	1,2,3,4,&5

Crop	Matrix ranking of problem		Thrust Area	Location specific technology need	AESs
Citrus fruits	1	Non- availability of true to type virus free plants	Availability of true to type virus free plants either through import or selection research	-	1,2,3,4,&5
	2	Citrus decline	- Proper orchard management practices - Comprehensive multi disciplinary research	- Trainings	1,2,3,4,&5
	3	Fruit drop problem due to fly and pathogens	Use of IPM Strategy	- Trainings & awareness	1,2,3,4,&5`

10. List of location specific training needs

Commodity	Strategic issue	Activity / intervention	Remarks
Maize	Popularization of latest HYVs / hybrids of maize	Training to farmers on the benefits of judicious fertilizer uses. Method of split application, time of fertilizer application soil/ seed treatment and selection of suitable Cultivars.	AES 1,2, 3,4 &5
	Weed management	Training to the farmers on time of application, handling of herbicides and use of IPM	AES 1,2, 3,4 &5
Paddy	Popularization of latest HYVs / hybrids of rice	Training on cultivation of HYVs seed treatment and proper spacing	AES 1,2, 3,4 &5
	Weed management	Training on scientific weed management	AES 1,2 ,3,4 &5
Wheat	Advocating varieties According to sowing season	Training on adoption of HYVs line sowing soils and seed treatment and balanced fertilizer use	AES 1,2, 3,4 &5
	Weed management	Training to the farmers on weed management and IPM	AES 1,2,3,4 &
Oilseeds	Un-scientific sowing and improper plant population	Training for adoption of recommended package and practices of soil seeds	AES 1,2,3,4 &
Pulses	Sowing of recommended Varieties for successful	Training for popularization of pulse cultivation	AES 1,2, 3,4 &5

	cultivation		
Vegetable	Cultivation of un-tested and Non-recommended seed material (hybrids)/ Non-treated seeds	Training for popularisation of hybrids off-season vegetable c & IPM.	AES 1,2, 3,4 &5
	Packaging of vegetables	Awareness training to farmer for proper grading, packing and marketing of vegetable. Training to farmers home scale preservation of marketable surplus	AES 1,2, 3,4 &5
Cultivation of off season Vegetables	Popularization of Poly house technology for early/timely raising of Seedlings.	Training to the farmers regarding Polythouse technology , regular/ commercial use of Integrated Pest Management in vegetables.	AES 1,2 ,3,4 &5
Mushroom	Training through demonstration on preparation of mushroom compost	Training for preparation of compost for mushroom cultivation through long method (4week) Ingredients: Wheat straw = 300kg Wheat bran =30kg Urea =8.1 kg MOP=2.65kg NPK=1.25kg Gypsum= 30 Kg Molasses= 5kg Lindane dust= 250g Furodon= 150g	AES 1,2,3 ,4 &5
	Training to women folk on post-harvest management of Mushroom.	Training to women groups of women SHGs/ women organization of post harvest management of mushroom with special reference to picking and cleaning	AES 1,2,3 ,4 &5

Technology Inventory and Activity Chart – III

1. **Names of research institutes, research stations, regional centres of NARS (SAU and ICAR) and other public and private bodies having relevance to location specific technology needs**
2. **Inventory of latest technology available**

S. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation
1.	HS-240, VL-892	Wheat		CSKHPKV, Palampur, Almora	
2.	Pusa Bold	Mustard		IARI, New Delhi	
3.	DGS-1	Gobhi sarsoon		SKUAST-J	
4.	Uttra	Mash		Pantnagar	

3. Activity Chart

Crop/Animal/ Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
Maize	Low productivity of Maize under rainfed podzol soils of distt. Rajouri	1) Non adoption/ Poor adoption of hybrids/ HYVs 2) Imbalanced fertilizer application 3) Improper Weed management 4) Insect pest infestation	1) Popularization of Hybrids / HYVs of Maize Convincing farmer to use balanced fertilizer doses Adoption of proper weed management practices. Disease and pest management through IPM Proper/ adequate spacing and drainage.	Single component FLD to demonstrate effect of recommended dose of nutrients Training and FLD programme on integrated pest management of maize pest OFT on integrated crop management using hybrids.	
Wheat	Low productivity of Wheat under rainfed podzol soils of distt. Rajouri	1. Mismatching of varieties for sowing time. 2. Rain fed farming 3. Poor soil moisture conservation. 4. Imbalanced nutrient management. 5. Poor weed management . 6. Seed borne diseases	-Recommendation of varieties according to sowing time. -Introduction and use of drought resistant varieties - Integrated nutrient management strategy -use of basal NPK and N through broadcasting at proper time and in proper proportion. -Proper and timely weed management - Seed treatment with chemicals.	-On farm trails - Demonstrations - Trainings - Diagnostic visits	
Pulses	Low productivity of Pulses under rainfed podzol soils of distt. Rajouri	Low productivity due to cultivation of local varieties. Improper fertilizer application Growing pulses on Unsuitable land. 4. Occurrence of insects/ diseases.	- Use of recommended Verities. - -Growing pulses on suitable land. - Timely and proper use of plant protection material for control of pod borer in gram. -Balanced fertilizer Application - Rhizobium treatment of	-Demonstration - Trainings	

			seed		
Oilseeds	Low productivity of Oilseeds under rainfed podzol soils of distt. Rajouri	1. Use of local germplasam for sowing 2. Unscientific Sowing. 3. Improper fertilizer use 4. Crop infestation with insects.	-Use of recommended Verities. - Sowing as per Recommendations. - Balanced fertilizer Application. - Timely and proper use o Insecticides	-Demonstration - Trainings	
Vegetables	Low productivity of vegetables under rainfed podzol soils of distt. Rajouri	1. Cultivation of Untested and non- recommended seed material. 2. Non- adoption of seed and soil treatment 3. Improper and un- timely use of plant protection measure. 4. Non-availability of organized marketing system. 5. Low adoption Of home scale Vegetable preservation	-Cultivation of recommended and tested and tested hybrids/ Varieties. - Treatment of seed and soil. - Proper and timely use of plant protection measures. - Popularization of home scale vegetable preservation.	-OFTs - Trainings -- Demonstrations (method) - Exposure visits - Formation of vege growers self help g	
Stone fruits	Low Productivity of stone fruits under rainfed podzol soils of distt. Rajouri.	1.Non- adoption of Training and pruning practices. 2. Non- adoption of recommended insect-pest Practices.	-Adoption of recommend Training and pruning Practices. - Adoption of recommended insect-pest management Practices.	- Trainings and Publicity	
Cow	Low Productivity of cows under rainfed podzol soils of distt. Rajouri.	1. Poor breed of Animals. 2. Low success rate of Artificial Insemination. 3. Low milk Yield. 4. Shortage of Fodder.	- Proper management of animals i.e. proper housing timely deworming and balanced feed. - Weed management in pa lands and introduction of fodder material.	-Awareness - Training - Exposure visits	
Buffaloes	Low Productivity of buffaloes under rainfed podzol soils of distt. Rajouri.	1.Lack of awareness and low conception rate with AI for breed up gradation. 2. Improper and u n scientific feeding.	-To create awareness among farmers to increase the conception rate. - Balanced feed. - Promoting animal health care.	-Awareness - trainings - Standardization o Timing. - Feed preservation from locally availa material.	

		3. Disease and worm infection.			
Fish farming	Low Productivity of fish culture under fresh water/ ponds of distt. Rajouri.	1. Lack of awareness about fish farming in different fish production system. 2. Costly fish Feed. 3. Lack of knowledge about Improved fish Species.	-Proper transfer of Technology. - Formulation of cost effective fish feed. - Trainings on fish cultivation of improved species in running water	- Exposure Visits - trainings - standardization of cost fish feed for	

4. Details of each of the technology under Assessment, Refinement and demonstration

a. Detailed account on varietal/breed characters for each of the variety/breed selected for FLD and OFT:

HS-240 & HS-295 (Wheat) - Suitable for sowing under rain-fed as well as irrigated conditions in low-mid hills. These are medium tall but slightly late in maturity. However, they are resistant to yellow rust but are susceptible to brown rust and loose smut. Gives an average yield of 28 and 37 q/ha under rain-fed and irrigated conditions, respectively.

Pusa Bold (Mustard) – Plant height (140-150 cm), medium in height and has semi compact branching, plant type is erect semi compact growth habit. It matures in 135-145 days with an average yield of 18-25 q/ha. Flowers are cruciferous with yellow petals, pods give greenish appearance when unripe and become golden yellow at ripe. Pods are 5-7 cm in length with 13-18 seeds/pod. Seed are blackish brown, round bold with test weight (per1000 seed) of 6-7 g.

b. Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under FLD and OFTs

c. Details of location/area specificity of recommended technology viz., for each of the variety/breed/technology selected for FLD and OFT

ANNEXURE B-1

List of participants of 6th Scientific Advisory Committee of KVK, Rajouri

S.No	Name of the officer/ official	Designation
1	Dr.K.S. Rissam	Director Extension
2	Mr H.L. Bakshi	Distt. Agri.Officer
3	Dr.V.K.Paba	Chief Animal Husbandry Officer, Rajouri
4	Mr Arvind Kapoor	LDM Rajouri
5	Mr Dewan Chand	XEN&FC Div. Rajouri
6	Mr Sadaqat Ali	Asstt. Soil conservation
7	Dr.A.K. Sharma	Associate Director Research
8	Dr. Sarfarz	DSWDO
9	Mr.V.K. Tandan	Chief Horticulture officer
10	Mr .Mohd Zaman	Range officer
11	S.Girdhara Singh	Farmer
12	Mrs. Khrshide Begum	Farm women
13	Mr .Lukman Ahamad	Inspector Fisheries
14	Mr .M.N. Khan	N.Y.K. Rajouri
15	Mr Abdul Jabbar	JPO DIC, Rajouri
16	Sh. Galotra	CAO, Rajouri
17	Dr. Sanjay Khar	Programme Coordinator
18	Dr. Punit Choudhary	SMS, Agroforestry
19	Mr. Amit Mahajan	Prog. Asstt
20	Mr. Pankaj Sharma	Prog. Asstt. Computer
21	Mr .Sunil Kr. Mishra	Jr. Scientist RARS, Rajouri
22	Dr. Anjani Kr. Singh	Jr. Scientist RARS, Rajouri
23	Dr. Ashok Kumar Singh	Jr. Scientist RARS, Rajouri
24	Dr.M.H. Chesti	Jr. Scientist RARS, Rajouri
25	Mr .Anil Bhushan	Jr. Scientist RARS, Rajouri
26	Dr. Susheel Sharma	Jr. Scientist RARS, Rajouri
27	Dr. Aziz M.A.	Jr. Scientist RARS, Rajouri
28	Dr.Vikas Sharma	Jr. Scientist RARS, Rajouri
29	Dr. Rakesh Sharma	SMS
30	Er. Abhay Kr. Sinha	SMS
31	Manoj Kumar	SMS
32	Kamlesh Bali	Jr. Scientist RARS, Rajouri
33	Dr. Manmohan Sharma	Jr. Scientist RARS, Rajouri
34	Mr .Tariq Hussain	Computer Asstt.

ANNEXURE B-2

Minutes of 6th Scientific Advisory committee meeting for Kharif 2012 of Krishi Vigyan Kendra, Rajouri.

Krishi Vigyan Kendra, SKUAST-J, Rajouri organized its 6th SAC meeting for *kharif* 2012 on 14th may 2012 at Dak Bungalow, Rajouri .The meeting was chaired by Dr. K.S. Risam, Director Extension, SKUAST-J and was attended by Dr. A.K. Sharma, Associate Director RARS, Rajouri, district officers of Agriculture and line departments, farmer and farm women members, Programme Coordinator and subject matter specialists of KVK besides scientists of RARS Rajouri.

The proceedings started with the playing of ICAR geet. At the onset , Dr. Sanjay Khar, Programme Coordinator and Member Secretary of the Scientific Advisory Committee welcomed the chairman and other members. Dr. Sanjay Khar, presented the progress report of KVK Rajouri from August 2011 to April 2012 and proposed Annual Action plan for the year 2012-13.

Agenda item 1: Confirmation Approval of proceedings of 5th SAC meeting held on 4th August 2011.

Proceedings of 5th SAC meeting were circulated among all the members of SAC KVK-Rajouri vide this office No.AUJ/KVK/Raj/F-3/2011-12/667-83 dated 18/10/2011 and the same were confirmed by the house.

Agenda item 2: Action taken report of 5th SAC meeting held on 4th August 2011.

Action taken on the recommendations of the members of SAC during 5th SAC meeting were presented before the house. It was reported that the action regarding establishment of demonstration unit on " Preparation of Silage and hay" under ATMA scheme was still awaited from Chief Agriculture officer Rajouri . The Chief Agriculture officer, Rajouri was requested for timely establishment of the said demonstration unit during the current financial year.

(Action: Chief Agriculture Officer, Rajouri)

The Programme Coordinator informed the house that the samples of soil, Plant (fodder) and blood for checking the status of hemoglobin and urea in live stock of Manjakote area are still awaited from CAHO Rajouri. The Chairman requested CAHO, Rajouri for collection of the samples at the earliest.

(Action:Chief Animal Husbandry Officer, Rajouri)

Agenda item -3: Financial Expenditure for the year 2011-12.

The financial expenditure of KVK- Rajouri for the year 2011-12 was placed before the house.

Agenda item -4: Presentation of progress report

The Progress report of KVK Rajouri w.e.f. August to April 2012 was presented before the members of the SAC.

Agenda item -5: Presentation of Action Plan 2012-13.

The annual action plan of KVK, Rajouri for the year 2012-13 was presented before the house and necessary suggestions were sought for incorporation in the Plan.
Commenting on the technical programme, Dr.K.S. Rissam suggested to change the venue of training on " Improved Production Technology of Rice" from village Mehra to Palma Nagrota.

(Action: KVK, Rajouri)

Sh. Sadaquat Choudhary, District Agriculture officer, Rajouri highlighted the need to test and recommend short duration rice hybrids for Thanamandi and Darhal block for increasing production and productivity of rice . The chairman directed Associate Director Research , RARS, Rajouri to conduct adaptive trials of rice hybrids in the proposed areas.

(Action: Associate Director Research , RARS, Rajouri)

The Chairman directed that number of trainings on"Training and Pruning " in horticulture crops be increased to three for farmers and one for officers. CHO,Rajouri requested for conducting one such training at "Kandi" in Budhal tehsil and "Dhanwankote" in Dungi block. In reference to the training on "Offseason Cultivation of Cucurbitaceous vegetable", Dr.K.S.Rissam directed that the said training be conducted at KVK, Rajouri instead of village Dungi.

(Action: KVK, Rajouri)

Chief Horticulture officer, Rajouri suggested to conduct one training on "Canopy Management in High Density Apple Orchards". He also requested that on farm trial on INM and varietal testing in okra be conducted instead of taking plant spacing as a treatment .

(Action: KVK, Rajouri)

Range forest officer, Rajouri suggested changing the venue of training on" Cultivation of Aromatic and Medicinal Plants" from village Dhangri to KVK Farm.

(Action: KVK, Rajouri)

Dr.K.S.Rissam, suggested for including a training programme on"Developing Entrepreneurial Skills among Rural youths" under vocational training programme . He directed the concerned SMS to conduct a training on "Impact Analysis" and to work out the "Productivity index"of Maize in Rajouri with consultation of Division of Economic and statistics , SKUAST-J Chatha.

(Action: KVK, Rajouri)

With respect to the action plan of Agricultural Engineering, the chairman desired that the participants in on farm training be drawn from whole district and permissible travelling allowance be given to the participants . He further requested Chief Agriculture Officer, Rajouri to arrange a training on " Handling and Maintenance of Engine and Centrifugal Pump" for the beneficiaries who have availed of the subsidy provided by the Deptt. of Agriculture for the purchase of such pumps .

(Action: KVK, Rajouri; Chief Agriculture Officer, Rajouri)

CAHO, Rajouri requested that the venue of the training on " Disease Management in Animals" may be shifted from "Manjakote" to"Kotranka". The Chairman advised for popularizing backyard poultry and requested CAHO, Rajouri to arrange two thousand one month old chicks for FLD purpose to which the CAHO, Rajouri agreed. Dr.K.S. Rissam requested Dr Sarfaraz Choudhary, Sheep and Wool Development Officer to help in arranging ten bucks of "Kangani" breed of goat for FLD purpose which was readily agreed upon by him.

(Action: KVK, Rajouri; Chief Animal Husbandry Officer, Rajouri; Sheep and Wool Development Officer, Rajouri)

Regarding action plan of Home science, the chairman requested for increasing the training programmes from four to six. The representative from Nehru Yuva Kendra requested that the training on" Vegetable Processing " and Animal Management" be given to self help groups. Dr. Rissam assured that while conducting the relevant trainings, participation of the youth under NYK will be given due consideration .

(Action: KVK, Rajouri)

Agenda item-6: Any other item with the permission of the chair.

The chairman in his concluding remarks appreciated the functioning of KVK and expressed satisfaction over the cooperation between KVK and line departments. To enhance the production of pulses in the district, the chairman suggested to lay out 4-5 adaptive trials on maize, Rajmash intercrop using different doses of urea and suitable Rajmash varities as well as other combination involving Urd crop by RARS, Rajouri.

(Action: Associate Director Research, RARS, Rajouri)

The chairman further directed to set up a mushroom demonstration unit for round the year cultivation and in this regard the programme coordinator was directed to involve Dr.A.K. Singh, Jr. Scientist RARS, Rajouri for the purpose

(Action: Dr.A.K. Singh, Jr. Scientist RARS, Rajouri)

The meeting ended with the vote of thanks by Dr. Rakesh Sharma, SMS (Agril. Extension)

ANNEXURE B-3

ACTION TAKEN REPORT OF 6th SAC MEETING OF KVK, RAJOURI.

S.No	Recommendations	Action Taken
1.	Chief Agriculture Officer, Rajouri was requested to establish a demonstration unit on " Preparation of silage and Hay" under ATMA scheme	The action taken is still awaited from Chief Agriculture Officer, Rajouri
2.	Chief Animal Husbandry Officer, Rajouri was requested to collect the soil, Plant (Fodder) and blood sample for analysis regarding the problem of hemoglobin and urea in Manjakote area.	The samples are still awaited from Chief Animal Husbandry Officer, Rajouri
3.	Farmers Training Programme on " Improved Production Technology of Rice" scheduled at village Mehra was suggested to be conducted at village Palma Nagrota.	The suggestion has been incorporated and training was conducted at Palma Nagrota on 04/07/2012
4.	Chief Horticulture Officer, Rajouri suggested to conduct "on Farm Trial " on varietal testing in Okra instead of taking plant spacing as treatment .	OFT on the varietal evaluation in Okra stands conducted
5.	Chief Horticulture Officer, Rajouri suggested to conduct one training programme on " Canopy management in High Density Apple orchards"	The suggestion has been incorporated in the action plan of 2012-13 and conducted on 08/02/2013 at KVK Rajouri

6.	Farmers Training programme on " Cultivation of Aromatic and Medicinal Plants scheduled at village Dhangri was suggested to be conducted at KVK Rajouri	The training programme has been conducted at KVK Rajouri on 24/07/2012
7.	Director Extension Suggested to: i) Include a training programme on " Development Entrepreneurial skills among Rural youths" under vocational training programme. ii) Conduct a training on " Impact Analysis" for the officers of line departments. iii). Work out the " Productivity Index" of Maize in Rajouri	 i.) The said training programme stands conducted on 28/02/2013 and 01/03/2013. ii.) In-service training programme conducted on 29-01-2013. iii.) Productivity index of maize has been worked out
8	A Farmers training Programme on " Handling and Maintenance of Engine and Centrifugal Pump" be conducted	The said training programme stands conducted on 07/02/2013
9.	Chief Animal Husbandry Officer, Rajouri requested that the venue of training on "Disease Management in Animals" scheduled at village Manjakote be shifted to Kotranka	The training programme has been conducted at Kotranka on 12/09/2012
10.	Chief Animal Husbandry Officer, Rajouri was requested to arrange 2000 No.s of one month old chicks for conducting FLD's	Chief Animal Husbandry Officer, Rajouri has expressed his inability to supply the chicks because of non- availability of surplus chicks
11.	Distribution of ten bucks of " Kangani breed of goats" for FLD purpose	The sanction for the purchase of the kangane breed of goats has been accorded
12.	The number of training programmes under Home sciences to be increased from four to six	The suggestion has been incorporated and eight number of training programmes have been conducted
13.	A mushroom demonstration unit to be established at KVK Rajouri	Mushroom demonstration unit was established at KVK, Rajouri
14.	Associate director research RARS Rajouri was directed to conduct adaptive trials to test and recommend short duration rice hybrids for Thanamandi and Darhal blocks	Four rice hybrids viz., VRN-2233, KRH-2, PHB-71 and Paddy Goldie were tested for early maturity and grain yield contributing traits at farmer's field at village Khablan block Thanamandi. Among these rice hybrids Paddy Goldie matures in 128-138 days with a grain yield of 51.5 q/ha and was found suitable for Thanamandi and Darhal blocks on the basis of one year testing.
15.	Associate director research RARS Rajouri was directed to lay out 4-5 adaptive trials on Maize, Rajmash intercrop using different doses of Urea and suitable Rajmash varieties as well as other combination involving Urd crop	A survey was conducted and it was found that the sowing of maize and Rajmash was over in the month of May 2012. So during current year two locations have been identified, one each at Manalgala and Budhal for conducting the adaptive trials on Maize + Rajmash mixed cropping.

ANNEXURE 'C'

PRESS RELEASES

STATE TIMES • Saturday • October 27, 2012

KVK conducts field days

STATE TIMES NEWS

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organised field day's on mash maize and rice (PADDY) at Androla, Jagini and chitpur villages of Rajouri District with the objective of dissemination of latest technologies at the farmers doorstep while acting on the principles' of learning by doing. In these villages, frontline demonstrations were laid under supervision of scientific staff of KVK Rajouri by adopting recommended package and practices for cultivation of these crops during Kharif, 2012. During laying out of different demonstrations free critical inputs viz. improved quality seed, fertiliser, weedicides and herbicides were distributed free of cost to the farmers.

Programme coordinator KVK, Rajouri Dr. Sanjay Khar briefed the farmers about the significance of celebration of field days for different cereal and pulse crops for enhancing productivity.

SMS Agroforestry Dr. Punit Choudhary explained that celebration of field days provides an opportunity to the farming community to share their experiences and learn new methods of cultivating crops.

SMS, Agriculture Extension Rakesh Sharma informed the farmers that these types of Extension activities shall boost the farming community by observing the differences in yield results and adoption of latest techniques demonstrated for these crops.

During the field days large number farmers including Sarpanchs from three different villages participated in the programme and interacted with the scientist of KVK, Rajouri regarding high yielding varieties suitable for their villages and also appraise the scientists about some of the constraints encountered by them during the course of cultivation of maize, rice and mash crops during Kharif, 2012.

GLIMPSES OF FUTURE

STATE TIMES • Saturday • February 9, 2013

KVK training programme on Canopy Management

A Resource Person speaking in a programme at Rajouri.

STATE TIMES NEWS

RAJOURI : Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organised an in-service training programme on 'Canopy Management in High Density Orchards' at KVK Rajouri for officers of the Horticulture Department. The training was attended by district, sub divisional and block level officers of Horticulture Department.

On the onset of training programme Programme Coordinator, KVK, Rajouri Dr. Sanjay Khar informed the participants that conducting in-service training programme is one of the mandates of the KVK. Associate Professor, Division of Fruit Sciences, Faculty of Agriculture, Chatha, Jammu Dr. Parshant Bakshi delivered lecture on Canopy Management of fruit crops wherein he highlighted the importance of various techniques like training, pruning and use of dwarf cultivars for getting short stature of plant.

He also discussed that by drip irrigation and fertigation, the architecture of the plant can be maintained. Asstt. Professor, Division of Fruit Sciences, Faculty of Agriculture, Chatha, Jammu Dr. Rajesh Kumar briefed the trainees about different training and pruning methods for various fruit crops. Subject Matter Specialist (Agricultural Extension), KVK, Rajouri Dr. Rakesh Sharma presented vote of thanks. Others who participated for the smooth conduct of the training programmes include Dr. K.Y Deshpande, Er. Pankaj Sharma, Jyoti Prakash and Amit Mahajan of KVK Rajouri.

Glimpses of Future

U SATURDAY, OCTOBER, 13, 2012, PAGE 4

Training on WTO and its implications organized

GOF Staff Reporter
RAJOURI, Oct. 12:

Krishi Vigyan Kendra, Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organized an In-service training programme on "WTO AND ITS IMPLICATIONS ON INDIAN AGRICULTURE" at KVK Rajouri for officers of the line departments. The training was attended by district, sub divisional and block level officers of Agriculture and Horticulture departments. On the onset of training programme, Dr. Sanjay Khar (Programme Coordinator) KVK, Rajouri formally welcomed the officers to this programme and informed the participants that conducting in-service training programme is one of the mandates of the KVK. During the interactive sessions, Dr. Rakesh Sharma SMS Agricultural Extension KVK, Rajouri deliberated on WTO and Agreement on Agriculture (AOA) and its Impact on Indian farmers. Dr. Punit Choudhary (SMS, Agro
upon the "Intellectual Property Right in r
plants and Forest Genetic recourses". Dr.
(Agricultural Economics) delivered lectu

STATE TIMES • Friday • October 12, 2012

Krishi Kendra holds termite control awareness campaign

KVK officials addressing students at Rajouri.
Photo By:- Malhotra

OUR CORRESPONDENT School, Muradpur, Rajour

on the different problems encountered by the farmers following termite attack on their crops. He further informed the gathering regarding the termite management practices to be followed.

SMS, Agro-forestry Dr. Punit Choudhary from SKUAST, Jammu briefed the gathering about importance of termite control for enhancing productivity. He informed that the programme was attended by 87 participants including students and teachers.

The Headmistress of the school thanked the seen-

JAMMU SATURDAY, OCTOBER, 27, 2012, PAGE 5

Field days on Kharif season crops organised

GOF Staff Reporter
RAJOURI, Oct. 26:

Krishi Vigyan Kendra, Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology Jammu and under the auspices of Directorate of Extension, SKUAST-J organized FIELD DAY's ON MASH MAIZE AND RICE (PADDY) at ANDROLA, JAGINI and Chityar villages of Rajouri District with the objective of dissemination of latest technologies at the farmers doorstep while acting on the principles' of learning by doing. In these villages, frontline demonstrations were laid under supervision of scientific staff of KVK Rajouri by adopting recommended package and practices for cultivation of these crops during KHARIF, 2012.

During laying out of different demonstrations free critical inputs viz. improved quality seed, fertilizer, weedicides and herbicides were distributed free of cost to the farmers. In his address, Dr. Sanjay Khar (Programme coordinator) KVK, Rajouri, briefed the farmers about the significance of celebration of field days for different cereal and pulse crops for enhancing productivity. Dr. Punit Choudhary (SMS Agro forestry) explained that celebration of field days provides an opportunity to the farming community to share their experiences and learn new methods of cultivating crops. Speaking on the occasion Dr. Rakesh Sharma (SMS, Agriculture Extension) informed the farmers that these types of Extension activities shall boost the farming community by observing the differences in yield results and adoption of latest techniques demonstrated for these crops. During the field days large number of farmers including Sarpances from three different villages participated in the programme and interacted with the scientist of KVK, Rajouri regarding high yielding varieties suitable for their villages and also appraise the scientists about some of the constraints encountered by them during the course of cultivation of MAIZE, RICE and MASH Crops during Kharif, 2012.

SKUAST-J organises World Food Day

STATE TIMES NEWS

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension Education, SKUAST-J organised World Food Day at SYS Degree College for Women's, Rajouri.

The programme started with welcome address given by SMS, Agroforestry, KVK, Rajouri Dr. Punit Choudhary. He briefed the audience about the importance of celebrating World Food Day and elaborated upon its current (Year-2012) theme of Food and agriculture Organization (FAO) that is "Agriculture Cooperative-Key to feeding the World".

Junior Scientist RARS, Rajouri Dr. Kamlesh Bali presented a detailed view about the World Food Day at Global Level. Jr. Scientist RARS, Rajouri Dr. Vikas Sharma presented on the aspect representing the importance of Word Food Day in Developing Countries.

SMS, Agriculture Engineering Er A K Sinha laid stress on adoption of suitable techniques for adoption of sustainable agriculture for enhancing overall production.

Staff of SYS Woman's Degree College under the leadership of Prof. R P Sharma (Principal) viz., Prof. Ravi Mathur, Shashi Gupta, Chanel Gupta and Anita Thakur also presented their view about the celebration of 16th October as World Food day. Students from college participated in the debate on the same topic. The programme concluded with
of thanks presented by P
R P Sharma (Principal)
requested the SKUAS
Scientist to organise
such programmes so that
student's remains in to
with the latest activities re
ed to agriculture and al
sectors. Others who assis
in smooth conduct of the p
gramme included Program
Assistant Computers Pun
Sharma, Program
Assistant Trainings A
Mahajan and Comput
Assistant of KVK, Raj
Tariq Hussain.

Saturday • October 13, 2012 STATE TIMES

KVK Rajouri holds training Prog

STATE TIMES NEWS

RAJOURI: Krishi Vigyan Kendra, Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST) Jammu and under the auspices of Directorate of Extension, SKUAST-J organised an in-service training programme on 'WTO and its implications on Indian Agriculture' at KVK Rajouri for officers of the line departments. The training was attended by district, sub divisional and block level officers of Agriculture and Horticulture Departments.

On the onset of training programme, Programme Coordinator KVK, Rajouri Dr. Sanjay Khar informed the participants that conducting in-service training programme is one of the mandates of the KVK.

During the interactive sessions, SMS Agricultural Extension KVK, Rajouri, Dr. Rakesh Sharma deliberated on WTO and Agreement on Agriculture (AOA) and its Impact on Indian farmers.

SMS, Agroforestry, Dr. Punit Choudhary deliberated upon the 'Intellectual Property Right in relation to medicinal plants and Forest Genetic recourses'.

Dr. Pawan Sharma, SMS Agricultural Economics delivered lecture on 'Management of Agriculture in Context of Agriculture'.

During the training programme relevant literature on related to WTO, its implication in Indian agriculture and IPR was distributed among the participating officers.

Others who participated for the smooth conduct of training programme include, Pankaj Sharma, Amit Mahajan and Tariq Hussain of KVK Rajouri.

PRESS RELEASES

E TIMES • Wednesday • October 17, 2012

Farmers' training camp organise

■STATE TIMES NEWS

MANJAKOTE : A farmers' training camp was organised at Manjakote village to educate farmers about importance of improved agricultural teechnologies and related benefits by Krishi Vigyan Kendra (KVK), Rajouri, a contingent unit of SKUAST-Jammu.

Around 30 farmers from nearby villages attended the programme. The concept was to make the farmers aware of the importance of use of implements like No till-drill machine, liners, seed cum fertilizer drill for reducing the labour cost along with a special impetus on making conventional agriculture a remunerative venture.

Expert of Agricultural Engineering from KVK Rajouri , A.K. Sinha emphasised the ways and means to use these implements in the sloppy terrain of Rajouri district. He also provided information about how farmers can w smartly by reducing t inputs. He apprised farmers that all the af said implements are pre at KVK farm Rajouri farmers can visit our f to see the demonstratio

Expert from Veteri Science, of KVK Raj Dr. Deshpande appr farmers the various eases prevalent in ca buffalo, sheep and goat Manjakote block.

He also guided farmers about how to efficiently use available feed resources and raise the income. Farmers also came with clinical cases of ailing ruminant stocks, to which on spot treatment was suggested by Dr Deshpande.

Farmers from Kalali, Fatehpurah, Guluti, Jamola and Manjakote thanked Programme Coordinator, KVK Rajouri, Dr. Sanjay Khar for organising such an important training and asked for organising more of such trainings in future.

पुंछ-राजौरी केसरी

SATURDAY SEPTEMBER 29, 2012

फसलों को बचाने के लिए वर्कशाप आयोजित

ptember 7, 2012

Training programme on promotion of mechanisation held

■STATE TIMES NEWS

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under Directorate of Extension, SKUAST-J organised a training programme on 'Promotion of Mechanisation for Profitable Agriculture' at Potha village of Kalakot Sub-Division.

SMS Agricultural Extension KVK, Rajouri Dr. Rakesh Sharma briefed the participants about the various activities being run by the KVK, Rajouri for farmers, farm woman, unemployed rural youths and school dropouts. Dr. Sharma discussed regarding mechanisation to enhance productivity and sustainability in detail.

KVK officials and participating famers during training at Rajouri.

benefit. Jr. Scientist Entomology, RARS Rajouri Dr. Kamlesh Bali guided the trainees about insect pest problems in Maize and vegetable crops.

SMS Horticulture Dr. Later the team of scientists comprising of Dr. Rakesh Sharma, Dr. Kamlesh Bali and Dr. Manoj Kumar provided on spot solutions to the farmers regarding the prob-

(Krishi Pandit) and Sh. Bansi Lal (Progressive farmer)

The training programme was highly appreciated by all the trainees who requested that similar type of activities

4 STATE TIMES • Wednesday • January 30, 2013

KVK organises in-service training Prog

■STATE TIMES NEWS

RAJOURI : Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organised an in-service training programme on 'Methodologies for

Evaluation of Programme and 'Methodologies f Evaluation of Extensi Programmes'. Dr. Sharm stressed that evaluati should be an integral part development programmes measure the desired as w as undesired consequen of the development pr grammes.

(Agroforestry) Dr. Pu Choudhary deliberated u need of evaluation st for measuring the imp

4 STATE TIMES • Tuesday • January 8, 2013

Ex-trainees Sammelan by KVK

■OUR CORRESPONDENT

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension

types of Samuelans where the trainees of different training programmes conducted by KVK, Rajouri come together at one platform and share their experiences and achievements. During the programme, SMS, Agroforestry

tion from agriculture were shown to the trainees.

The programme was highly appreciated by all the farmers/farm women trainees who requested that similar type of activities should be conducted

जम्मू, 25 सितंबर 2012 दैनिक जागरण | 3

अधिकारियों को दिया प्रशिक्षण

जम्मू : कृषि विज्ञान केंद्र राजौरी ने इंटीग्रेटेड डिजिज एंड पेस्ट मैनेजमेंट फॉर रबी क्रॉप्स पर प्रशिक्षण कार्यक्रम का आयोजन किया, जिसमें ब्लॉक स्तर, जिलास्तर के कृषि अधिकारियों ने भाग लिया। मौके पर डॉ. संजय खार, प्रोग्राम कोआर्डिनेटर केवीके राजौरी ने आए हुए प्रतिभागियों का स्वागत किया और प्रशिक्षण कार्यक्रम की जानकारी दी। डॉ. पुनीत चौधरी ने इंटीग्रेटेड डिजिज एंड पेस्ट मैनेजमेंट के द्वारा मिलने वाले लाभ की जानकारी दी। उन्होंने कहा कि बेहतर उपाय अपना कर फसल पर कीड़ों के हमले से बचा जा सकता है। मौके पर डॉ. कमलेश बाली, डॉ. एके सिंह, डॉ. मनोज कुमार, अमय कुमार ने भी विचार रखे।

4 STATE TIMES • Friday • January 11, 2013

KVK training on exotic vegetable popularisation

■OUR CORRESPONDENT

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organised an In-service training programme on 'Popularisation of exotic vegetables for nutrition and food diversification in District Rajouri' at KVK Rajouri for officers of the line departments. The training was attended by block level, sub divisional level and district level officers of Agriculture and

ducting in-service training programme is one of the mandates of the KVK. He further desired that the feedback from officers of line departments is also essential for making agricultural crops insect, pest and diseases free. SMS, Agroforestry Dr. Punit Choudhary briefed the participants about the multivariate benefits that can be achieved by adopting cultivation of exotic vegetables along with traditional agricultural crops. During the interactive sessions, Jr. Scientist Vegetable, RARS Rajouri Dr. Anil Bushan deliberated on cultivation RARS, Rajouri Dr. Kamlesh Bali deliberated upon the 'Integrated pest management and protective measures' that can be taken for different exotic vegetable crops being cultivated in the Rajouri District during Rabi season. During the training programme relevant literature on package and practices related to cultivation of exotic vegetables under Rajouri conditions and Integrated Disease and Pest Management in vegetables was distributed among the participating officers.

Others who participated

Saturday • September 1, 2012

Vocational training organised

■STATE TIMES NEWS

RAJOURI: Krishi Vigyan Kendra (KVK), Rajouri under the aegis of Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu and under the auspices of Directorate of Extension, SKUAST-J organised a Vocational training programme on training and pruning of fruit plants at KVK Rajouri.

During the inauguration of training programme, Programme Coordinator, KVK Rajouri Dr. Sanjay Khar addressed the farmers and informed training and pruning of fruit plants is essential for

nologies and new techniques for increasing their production.

SMS, Horticulture Dr Manoj Kumar deliberated that training and pruning of fruit plants is essential for good shape, heavy bearing and disease free fruit production from trees. He stressed that training and pruning after harvesting of fruit is mandatory to get higher and quality production in the consecutive years. He elaborated the necessity of central opening of fruit plants for light receptivity in the orchard. The practical demonstrations

trainees.

SMS, Agroforestry Dr. Punit Choudhary laid stress on the use of organic manures and adoption of integrated system in horticulture orchards. SMS, Agricultural Extension Dr. Rakesh Sharma elaborated upon the formation of Self Help Groups and farmers club of fruit growers in the district for attaining self sufficiency. The training programme was highly appreciated by all the farmers and requested that similar type of activities should be conducted from time to time. In the end

SKUAST-J Organizes training prog 'improved fodder production'

F Staff Reporter
ows November 22

Krishi Vigyan Kendra, ouri under the aegis of Sher-Kashmir University of ricultural Sciences and chnology-Jammu and under e auspices of Directorate of tension, SKUAST-J organ- ed an In-service training pro- amme on "Improved fodder duction for overcoming fod- r scarcity" at KVK Rajouri for ficers of the line departments. he training was attended by enty four block level, sub-di- sional level and district level ficers of Agriculture, Animal sbandry and Sheep sbandry. On the onset of ining programme, Dr. Punit oudhary Subject Matter pecialist (Agroforestry) KVK,

Rajouri formally welcomed the officers to this programme and informed the participants that conducting in-service training programme is one of the mandates of the KVK. During the interactive sessions, Dr. K.Y. Deshpande, SMS (Animal Science) delivered lectures on "Feed-Fodder Security for sustainable Animal Production".

He apprised the officers about current scenario of fodder production in India and the immediate need of interventions to increase green fodder production to sustain elite animal population and thereby raise the animal production. In another session Dr. Punit Choudhary (SMS, Agroforestry) emphasized on the importance of various fodder species those can be introduced in Rajouri district and would be cultivated in field boundaries, fallow lands and bunds of field. He also stressed upon importance of developing pastures and ways and means to sustain different fodder crops suited to Rajouri district. Relevant literature pertaining to the training programme was also distributed among the trainees. Participants also visited fodder demonstration unit of KVK, Rajouri.

The training programme concluded with vote of thanks by Dr. Deshpande. Others who participated for the smooth conduct of training programme include Mr. Pankaj Sharma, Mr. Amit Mahajan and Mr.Tariq Hussain of KVK Rajouri.