PROFORMA FOR ANNUAL REPORT 2013-14

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	*Telephone*		*E mail*	*Web Address*
	Office	*Fax*		
Krishi Vigyan Kendra, Qazi Mohra, Poonch (J&K)	01965-221796	01965-221796	kvkpoonch@gmail.com	**www.kvkpoonch.nic.in**

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

Address	*Telephone*		*E mail*	*Web Address*
	Office	*Fax*		
Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu, Main Campus Chatha, Jammu	0191-2262028	0191-2262028	deeskuastj@gmail.com	www.skuast.org

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

Name	*Telephone / Contact*		
	Residence	*Mobile*	*Email*
Dr. Sanjay Swami		094191-57291	sanjayswamionline@yahoo.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 31st March 2014)

1.6. Total land with KVK (in ha) : 3.20

S. No.	*Item*	*Area (ha)*
1	Under Buildings	0.99
2.	Under Demonstration Units	0.01
3.	Under Crops	2.20
4.	Orchard/Agro-forestry	NIL
5.	Others (please specify)	NIL
	Total	**3.20**

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	15.03.2011	400		2008		Completed
2.	Farmers Hostel	ICAR	15.03.2011	300		2008		Completed
3.	Staff Quarters	ICAR	15.03.2011	400		2008		Completed
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units							
a	Cow Shed	ICAR				2009		Completed
b	Poultry	ICAR				2009		Under Construction
c								
5	Fencing	ICAR				2009		In-Completed
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*
Tractor	2008	4,30,000	253.00 hours	Good
Tata Sumo	2010	5,98,973	24933KM	Good
Motorcycle	2012	45,202	6260 KM	Good

C) Equipments & AV aids

Sl.No	*Name of the equipment*	*Year of purchase*	*Cost (Rs.)*	*Present status*
1	Computer	2008	34,528.00	Good
2	Computer	2009	33,217.00	Good
3	Printer Coloured	2008	19,717.36	Good
4	Scanner	2008	2,600.00	Good
5	Sony Handycam	2008	29,900.00	Good
6	Song Digital Camera	2009	16,800.00	Good
7	Fax Machine	2009	7,000.00	Good
8	Laser Printer (1007hp)	2009	5,475.00	Good
9	LED 26"	2010-11	26,500.00	Good
10	DVD 5.1 channel	2010-11	1900.00	Good
11	Xerox Machine	2010-11	43040.00	Good
12	Computer	2013	41,788.00	Good

1.8. Details SAC meeting* conducted in 2013-14

Sl.No.	*Date*	*Number of Participants*	*No. of absentees*	*Salient Recommendations*	*Action taken*
1.	19/03/2014	25	04	Attached	To be incorporated in Action Plan-2014-15
2.					

***Attach a copy of proceedings along with list of participants**

PART II - DETAILS OF DISTRICT

Poonch is located on the Southern slopes of Pir Panjal range and as such is rugged with spurs and valleys. It lies between 33^0 25' to $34^0$10' North latitude and 73^0 58' to 74^0 35' East longitude. It is bounded on the north by Baramula and Budgam district of Kashmir valley, on its west and North-West lies Pakistan Occupied Kashmir (POK). The district having population of 3.71 lacs consists of 4 tehsils, 6 blocks and 178 villages covering an area of 1674 sq. km. The climate of the district varies from Sub-tropical to temperate and receives good annual rainfall.

2.1 Major farming systems/enterprises (based on the analysis made by the KVK): Maize – Wheat (as fodder) is the major cropping sequence being followed in the district. Besides this, other cropping rotations being practiced in the district are:-

Sl. No	*Farming system/enterprise*	
1	Rainfed	Maize + Rajmash (Monocropping) Maize + Rajmash + Potato Maize – Wheat Maize- Oat Maize- Mustard

2	Irrigated (canal)	Paddy (Monocropped) Paddy- Barseem Paddy - Wheat
3	Tank Irrigated	-

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

Sl. No	***Agro-climatic Zone***	***Characteristics***
1	Sub-Tropical (Upto 800 m)	Plain area with water logging
	Intermediate (Lower) 800-1500m	Slopy land with problem of soil erosion
	Intermediate Higher >1500	High Hills with gully erosion
	Agro ecological situation	**Characteristics**
2	AES-I	Plain Topography with Thick Soil and Canal Irrigated
	AES-II	Slopy land with thin soil cover and rainfed
	AES-II	Thick growth of coniferous and deciduous forests

2.3 Soil type/s

S. No	***Soil type***	***Characteristics***	***Area in ha***
1	Silty	Soil is silty with water logged and flood prone	N.A.
2	Sandy loam	Soil is sandy to sandy loam with salt affected in patch.	N.A.

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

Sl. No	*Crop*	*Area (ha)*	*Production* (*Metric tons*)	*Productivity* (*q /ha*)
1	Paddy	4,300	10,320.0	24.00
2	Maize	24,000	48,000	20.00
3	Wheat	15,000	22,725	15.15

2.5. Weather data

Month	*Rainfall (mm) 2012*	*Mean monthly Temperature ^{0} C*		*Mean monthly Relative Humidity (%)*	
		Maximum	*Minimum*	*Morning*	*Evening*
April 2013	50.75	27.17	13.82	84.80	28.04
May 2013	37.48	33.07	17.18	64.80	18.16
June 2013	208.50	33.99	19.75	81.77	32.86
July 2013	219.70	32.22	21.96	96.75	51.90
August 2013	83.70	30.21	20.40	99.29	58.93
September 2013	61.50	30.03	17.44	95.47	45.93
October 2013	28.52	27.60	15.00	91.22	37.70
November 2013	N.A.	22.26	07.35	79.85	24.23
December 2013	N.A.	17.39	4.16	81.38	29.48
January 2014	N.A.	16.70	4.28	81.96	29.38
February 2014	N.A.	15.65	4.93	88.70	38.39
March 2014	N.A.	19.25	07.80	91.09	39.32
Total	**690.15**	**305.54**	**154.07**	**1037.08**	**434.32**
Mean	**98.60**	**25.46**	**12.84**	**86.42**	**36.19**

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

Category	*Population*	*Production*	*Productivity*
Cattle			
Crossbred	69445	16425 MT (Milk)	--
Indigenous	137491	16525 MT (Milk)	--
Buffalo	203336	50850 MT (Milk)	--
Sheep			
Crossbred	229600	Mutton 26.242 lakh kg Wool 6.752 lakh kg	--
Indigenous	173800		--
Goats	162800		--
Pigs	--	--	--
Crossbred	--	--	--
Indigenous	--	--	--
Rabbits	-	--	--
Poultry			
Hens	349894	245 Lakh eggs	--
Desi	250870	100 Lakh eggs	--
Improved	99024	135 Lakh eggs	--
Ducks	--	--	--
Turkey and others	--	--	--
Fish	--	--	--
Marine	--	--	--
Inland	1.98 ha	3.6 Tonnes/ year	--
Prawn	--	--	--
Scampi	--	--	--
Shrimp	--	--	--

2.7 District profile has been Updated for 2013-14: Yes

2.8 Details of Operational area / Villages

Sl. No	*Name of the taluk*	*Name of the Block*	*Name of the village*	*How long the village is covered under operational area of the KVK (specify the years)*	*Major crops and enterprises*	*Major problems identified*	*Identified thrust areas*
1	Poonch Haveli	Haveli	Madari Magnad Jhallas, Nangali, Salotri, Digwar, Bandi Chechian, Khanetar	Since 2007	Maize (*Zea mays*), Paddy (*Oryza sativa*), Fodder	- Low Productivity in maize and paddy - Fodder scarcity - Non availability of fertilizer at right time	- INM & IPM in Paddy and Maize - Standardization of wheat Production technology under rainfed conditions - Introduction of improved fodder varieties. - Standardization of Pulses Production technology under rainfed conditions
2	Mandi	Mandi	Sathra, Rajpura, Mandi, Loran, Saujian	Since 2008	Maize (*Zea mays*), Rajmash (*Phaseolus* sp.), walnut appler & apricot	- Low Productivity in maize - Attack of insect pest in rajmash under mixed cropping - Large Mono-cropped area	- INM & IPM in Maize - IPM in rajmash - Introduction of Kalazeera for Monocropped area of the block
3	Surankote	Surankote, Bufliaz	Draba, Potha, Kallar, Seri Khwaja,	Since 2009	Maize (*Zea mays*) Rajmash (*Phaseolus* sp.) Paddy (*Oryza sativa*)	- Low Productivity in maize and paddy - Large Mono-cropped area	- INM & IPM in Maize - IPM in rajmash
4	Mendhar	Mendhar Balakote	Ucchaad, Mankote, Sagra, Ari, Dargloon	Since 2010	Maize (*Zea mays*) Mustard Wheat (*Triticum aestivum*)	- Low productivity in maize - Problem of weed management in wheat - Use of Local varieties for oilseed and pulses	- INM & IPM in Maize - Standardization of wheat Production technology under rainfed conditions - Introduction of improved varieties of oilseed and pulses.

2.9 Priority thrust areas

Sl. No	*Crop*	*Thrust areas*
Agriculture		
1	Maize (*Zea mays*)	- Integrated Nutrient & Pest Management - Introduction of single cross hybrids
2	Paddy (*Oryza sativa*)	- Integrated Nutrient Management, IPM , Weed management
3	Wheat (*Triticum aestivum*)	- Standardization of Production technology under rainfed conditions, Weed management
4	Pulses	- Standardization of Production technology under rainfed conditions, High yielding improved varieties
Horticulture		
5	Pear (*Pyrus communis*)	Micro Nutrient Management, Rejuvenation of Old Orchards
6	Plum (*Prunus domestica*),	Application of Micronutrients, Rejuvenation of Old Orchards
7	Apple (*Malus sylvestris*)	Promoting IPM & IDM, Rejuvenation of Old Orchards
8	Walnut (*Juglans* spp.)	Insect Pest & Disease Management
Animal Husbandry		
9	Cow, Buffalo, Sheep, Goat	Fertility improvement by addressing reproductive problems
		Availability of green fodder round the year
		Breed up-gradation in Buffalo
		Disease Management in Sheep & Goat

PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		*Number of farmers*		*Number of FLDs*		*Number of farmers*	
Targets	***Achievement***	***Targets***	***Achievement***	***Targets***	***Achievement***	***Targets***	***Achievement***
04	04	11	11	31 ha	31 ha	115	115

Training				Extension Programmes			
3				4			
Number of Courses		*Number of Participants*		*Number of Programmes*		*Number of participants*	
Targets	***Achievement***	***Targets***	***Achievement***	***Targets***	***Achievement***	***Targets***	***Achievement***
50	50	926	926	12	12	1003	1003

Seed Production – Ragi (Qtl.)		Planting materials (Nos.)	
5		6	
Target	***Achievement***	***Target***	***Achievement***
-	-	-	-

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	***Achievement***	***Target***	***Achievement***
-	-	-	-
-	-	-	-

3. B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.9

S. No	*Thrust area*	*Crop/ Enterprise*	*Identified Problem*	*Interventions*										
				Title of OFT if any	*Title of FLD if any*	*Number of Training (farmers)*	*Number of Training (Youths)*	*Number of Training (extension personnel)*	*Extension activities (No.)*	*Supply of seeds (Qtl.)*	*Supply of planting materials (No.)*	*Supply of livestock (No.)*	*Supply of bio products*	
													No.	*Kg*
1	Production Technology	Maize	Low Productivity due low to yielding varieties & imbalanced fertilizer application	-	Introduction of High yielding SCHs	01	-	-	02	10.00	-	-	-	-
		Paddy	Low Productivity due to traditional varieties & imbalanced fertilizer application	Evaluation of Paddy Varieties	Application of Balanced dose of fertilizers & Weed Management	01	-	-	01	3.00	-	-	-	-
		Wheat	Low Productivity due to traditional varieties & imbalanced fertilizer application	Effect of seed rate on productivity of wheat varieties	-Introduction of high yielding wheat varieties - Application of Balanced dose of fertilizers	-	-	-	01	10.00	-	-	-	-

		Oilseeds (Mustard & Gobi Sarson)	Monocropping	-	Introduction of oilseeds in crop cycle	02	-	-	-	10kgs	-	-	-	-
		Pulses	Non-availability of quality seed	-	-	03	-	-	-	-	-	-	-	-
		Vegetables	Low production due to traditional methods of cultivation	-	-	01	-	-	-	-	-	-	-	-
		Fruit Crops	Alternate bearing	-	-	01	-	-	-	-	-	-	-	-
		Ornamentals	Non-availability of ornamentals in local area	-	-	01	-	-	-	-	-	-	-	-
2	IPM & IDM	Apple	Eradiction of old orchards & Low productivity due to Insect Pests	Management of SanJose scale in Apple	-	03	-	01	-	-	-	-	-	-
		Vegetables	Low productivity due to insect pess & diseases	Insect Pest Management in Cucumber	-	02	-	01	-	-	-	-	-	-
		Maize + Rajmash	Loss in production due to insect pests & diseases	-	-	03	-	01	04	-	-	-	-	
		Paddy	Loss in production due to insect pests & diseases	-	-	01	-	-	-	-	-	-	-	-

		Wheat	Loss in production due to insect pests & diseases	-	-	01	-	-	-	-	-	-	-	-
		Stored Grains	Loss in storage due to insect pests	-	-	-	-	01	-	-	-	-	-	-
3	Fodder Crop Production	Oats	-Scarcity of fodder -Monocrop ping	-	-Introduction of oats as fodder crop	03	-	-	-	2.00	-	-	-	-
		Perrenial Grasses	Scarcity of fodder	-	-	01	-	-	-	-	-	-	-	-
4	Cattle Management	Cattle	Low milk production due to poor nutrition, pests and diseases - Infertility management	-	-	05	-	-	-	-	-	-	-	-
		Goat & Sheep	Poor growth due to malnutrition and diseases	-	-	02	-	-	-	-	-	-	-	-
		Poultry	Poor poultry breeds	-	-	01	-	-	-	-	-	-	-	-
5	Fish Production Technology	Fish	Low productivity	-	-	-	01	-	-	-	-	-	-	
5	Farm Management	-	-Poor farm income - Loan facities	-	-	03	03	-	-	-	-	-	-	-

3. B2. Details of technology used during reporting period

S.No	*Title of Technology*	*Source of technology*	*Crop/enterprise*	*No.of programmes conducted*			
				OFT	*FLD*	*Training*	*Others (Specify)*
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
A	Scientific Cultivation of Crops	SKUAST-J	Maize	-	10 ha	01	-
			Paddy	01	06 ha	02	-
			Wheat	01	10 ha	01	-
			Oilseeds	-	02 ha	01	-
			Vegetables	01	-	03	-
	-	-	Strawberry	-	0.5 ha	-	-
			Fruit crops	-	-		
B	Integrated Pest Management	SKUAST-J	Maize +Rajmash		5 ha	04	-
	-	-	Apple	-01	-	06	-
			Vegetables	01	-	03	-
C	Management of Farm Animals	SKUAST-J	Cattle	-	-	05	-
			Sheep & Goat	-	-	02	-
			Poultry	-	-	01	-
			Fishries	-	-	01	-

3. B2 contd..-

S. No.*	**OFT**				**FLD**				**Training**				**Others (Specify)**			
	General		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**	
	No. of farmers covered															
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
-	08	-	02	-	96	03	37	02	499	32	788	150	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Same as above

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	*Cereals*	*Oilseeds*	*Pulses*	*Commercial Crops*	*Vegetables*	*Fruits*	*Flower*	*Plantation crops*	*Tuber Crops*	*TOTAL*
Integrated Nutrient Management	02	-	-	-	-	-	-	-	-	02
Varietal Evaluation										
Integrated Pest Management	-	-	-	-	01	01	--	-	-	02
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total	**02**	**-**	**-**	**-**	**01**	**01**	**-**	**-**	**-**	**04**

4. A2. Abstract on the number of technologies refined in respect of crops

Thematic areas	*Cereals*	*Oilseeds*	*Pulses*	*Commercial Crops*	*Vegetables*	*Fruits*	*Flower*	*Plantation crops*	*Tuber Crops*	*TOTAL*
Integrated Nutrient Management										
Varietal Evaluation										
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total										

4.A3. Abstract on the number of technologies assessed in respect of livestock/enterprises

Thematic areas	*Cattle*	*Poultry*	*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						

4.A4. Abstract on the number of technologies refined in respect of livestock/enterprises

Thematic areas	*Cattle*	*Poultry*	*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						

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Integrated Nutrient Management					
Varietal Evaluation	Paddy	Pusa Hybrid 6129	02		
	Wheat	Optimum seed rate	04		
Integrated Pest Management	Apple	Horticulture Oil+Metasystox & Chloropyriphos+Horticulture Oil	02		
	Cucumber	Carbaryl (Sevin) Cypermethrin	03		
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

4.B.2. Technologies Refined under various Crops: N/A

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Integrated Nutrient Management					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

4.B.3. Technologies assessed under Livestock and other enterprises

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*	*No. of farmers*
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

3. B.4. Technologies Refined under Livestock and other enterprises

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*	*No. of farmers*
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

4.C1. Results of Technologies Assessed
Results of On Farm Trial – 1

Crop/ enterprise	*Farming situation*	*Problem definition*	*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
Paddy	Irrigated	Cultivation of old varieties	Evaluation of Paddy Varieties	02	Pusa Hybrid 6129	Yield	44.50qtl.	Paddy-6129 gave 51.87% higher yield in comparison to farmers practice K343. Farmers are willing to adopt this variety on large scale due to higher yield and resistance against blast.	Farmers are willing to adopt the high yielding Pusa Hybrid 6129

Contd..

Technology Assessed	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
11	12	13	14	15	16
Pusa Hybrid 6129	IARI, New Delhi	44.50	Qtl. Per hectare	40,000/-	1:3

4.C2. Details of On Farm Trial for assessment

1 Title of Technology Assessed : **Evaluation of Paddy Varieties**

2 Problem Definition : Availability of low yielding variety of paddy

3 Details of technologies selected for assessment : Farmers Practice K343
Pusa Hybrid 6129

4 Source of technology : IARI New Delhi

5 Production system and thematic area : Irrigated Conditions

6 Performance of the Technology with performance indicators : Paddy-6129 gave 51.87% higher yield in comparison to farmers practice K343

7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Farmers are ready to adopt this technology

8	Final recommendation for micro level situation	: K-343 shall be replaced by Paddy-6129 due to high yielding and resistance against diseases.
9	Constraints identified and feedback for research	: Nil
10	Process of farmer's participation and their reaction	: Farmers are willing to adopt this variety

Results of On Farm Trial – 2

Crop/ enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trials*	*Technology Assessed*	*Parameters of assessment*	*Data on the parameter*	*Results of assessment*	*Feedback from the farmer*
1	2	3	4	5	6	7	8	9	10
Wheat	Rainfed	Low yield	Effect of seed rate on the productivity of high yielding varieties of wheat	04	Optimum seed rate	Yield	**Crop is in the reproductive phase still to be harvested in the month of June**		

Contd..

Technology Assessed	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
11	12	13	14	15	16
Optimum seed rate	-	-	-	-	-

4 .C2. Details of On Farm Trial for assessment

1 Title of Technology Assessed : Effect of seed rate on the productivity of high yielding varieties of wheat.

2 Problem Definition :Screening of optimum seed rate

3 Details of technologies selected for assessment :Farmers practice 40kg/acre
48kg/acre
52kg/acre

4 Source of technology : IARI Regional Station Karnal

5 Production system and thematic area :Rainfed conditions

6 Performance of the Technology with performance indicators :Crop is in the reproductive phase and still to be harvested in the month of June

7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques :Nil

8 Final recommendation for micro level situation :Nil

9 Constraints identified and feedback for research :Nil

10 Process of farmer’s participation and their reaction :Nil

Results of On Farm Trial – 3

Crop/ enterprise	*Farming situation*	*Problem definition*	*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
Apple	Rainfed	Management of San Jose Scale in Apple	Management of San Jose Scale in Apple	02	Application of Horticulture Oil+Metasystox and Chloropyriphos+Horticulture Oil	Yield	Spray of Horticulture Oil + Metasystox	Spray of Horticulture Oil + Metasystox recommended for getting higher yield i.e. 56	Farmers are willing to spray Horticulture Oil+Metasystox and Chloropyriphos +Horticulture Oil for the effective control of San Jose Scale in Apple

Contd..

Technology Assessed	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
11	12	13	14	15	16
Application of Horticulture Oil+Metasystox and Chloropyriphos+Horticulture Oil	Package of practices, SKUAST-K	56	Kg/plant	1630.00	1:7

4. C2. Details of On Farm Trial for assessment

1 Title of Technology Assessed : Management of San Jose Scale in Apple

2 Problem Definition : Low productivity

3 Details of technologies selected for assessment :Farmers Practice (No chemical)
Spray of Horticulture Oil+Metasystox
Spray of Horticulture Oil+Chloropyriphos

4 Source of technology : Package of practices, SKUAST- Kashmir

5 Production system and thematic area :Rainfed /Horticulture Base

6 Performance of the Technology with performance indicators : Results of the trial at farmer's field revealed that San Jose Scale can be effectively managed by spraying apple

		trees with Horticultural Mineral Oil followed by spray of Metasystox or Chlorpyriphos. However, trees sprayed with metasystox gave better results in managing the pest and thereby increasing the yield (56 kg /plant).
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	: Farmers are willing to spray Horticulture Oil+Metasystox and Chloropyriphos+Horticulture Oil for the effective control of San Jose Scale of Apple.
8	Final recommendation for micro level situation	: Apple plants should be sprayed with Horticultural Mineral Oil at dormant stage and thereby followed by spray of metasystox at later stages.
9	Constraints identified and feedback for research	: Non-availability of Mineral oils in local market.
10	Process of farmer's participation and their reaction	: Farmers actively participated in the trial and all the operations were successfully done by him. Farmers of the area are now in contact with the dealers of the local market and have booked their chemicals in advance.

Results of On Farm Trial – 4

Crop/ enterprise	*Farming situation*	*Problem definition*	*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
Cucumber	Rainfed	Attack of insect pests in cucumber	Insect Pest Management in Cucumber	03	Carbaryl (Sevin) Cypermethrin	% insect incidence	11% 19%	Incidence of insect pests were least when crop was sprayed with Carbaryl 11%	Farmers are willing to apply a carbaryl for effective insect pest management in cucumber

Contd..

Technology Assessed	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
11	12	13	14	15	16
Carbaryl (Sevin) Cypermethrin	SKUAST-J	11 19	%	3,02,000 2,64,000	1:4.82 1:4.21

4. C2. Details of On Farm Trial for assessment

1 Title of Technology Assessed : Insect Pest Management in Cucumber

2 Problem Definition : Low Productivity

3 Details of technologies selected for assessment : Farmers Practice Chlorpyriphos
Carbaryl (Sevin)
Cypermethrin

4 Source of technology : Package of practices, SKUAST-Jammu

5 Production system and thematic area : Irrigated / Vegetable based

6 Performance of the Technology with performance indicators : Results of the trials conducted at farmer's field at three different locations revealed that incidence of insect pests were least when crop was sprayed with Carbaryl 11%. It was followed by Cypermethrin (19%), whereas crop sprayed with Chlorpyriphos showed maximum (32%) insect pest incidence.

7 Feedback, matrix scoring of various technology parameters done : Farmers are willing to apply a carbaryl for effective insect pest management in cucumber.

through farmer's participation / other scoring techniques

8 Final recommendation for micro level situation : Spraying the crop with Carbaryl gave the best results followed by Cypermethrin and Chlorpyriphos.

9 Constraints identified and feedback for research : Non-availability of Quality plant protection chemicals in local market and reliability of farmer on shopkeepers for selection of pesticides.

10 Process of farmer's participation and their reaction : Farmers were satisfied with the performance of new chemical and were ready to use it in the future.

4.D1. Results of Technologies Refined N/A

Results of On Farm Trial – 1

Crop/ enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trials*	*Technology Refined*	*Parameters of refinement*	*Data on the parameter*	*Results of refinement*	*Feedback from the farmer*	*Justification for refinement*
1	2	3	4	5	6	7	8	9	10	11

Contd..

Technology Refined	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
12	13	14	15	16	17

4. C2. Details of On Farm Trial for refinement

1 Title of Technology Refined :

2 Problem Definition :

3 Details of technologies selected for refinement :

4 Source of technology :

5 Production system and thematic area :

6	Performance of the Technology with performance indicators	:
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:
8	Final recommendation for micro level situation	:
9	Constraints identified and feedback for research	:
10	Process of farmer's participation and their reaction	:

Results of On Farm Trial – 2

Crop/ enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trials*	*Technology Refined*	*Parameters of refinement*	*Data on the parameter*	*Results of refinement*	*Feedback from the farmer*	*Justification for refinement*
1	2	3	4	5	6	7	8	9	10	11

Contd..

Technology Refined	*Source of Technology*	*Production*	*Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)*	*Net Return (Profit) in Rs. / unit*	*BC Ratio*
12	13	14	15	16	17

4.C2. Details of On Farm Trial for refinement

1 Title of Technology Refined :

2 Problem Definition :

3 Details of technologies selected for refinement :

4 Source of technology :

5 Production system and thematic area :

6 Performance of the Technology with performance indicators :

7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques :

8 Final recommendation for micro level situation :

9 Constraints identified and feedback for research :

10 Process of farmer's participation and their reaction :

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2013-14

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
	Oilseeds	Rainfed	Rabi-2013	Mustard	RSPR-1	-	Crop Diversification	Introduction of oilseeds	01	01	03	05	08	
		Rainfed	Rabi-2013	Gobi-sarson	DGS-1	-	Crop Diversification	Introduction of oilseeds	01	01	02	06	08	
	Pulses	Rainfed	Kharif-2013	Rajmash	Local-Loran	-	Pest Management	IPM	03	05	-	15	15	
	Cereals	Rainfed	Kharif-2013	Maize	Pro-Agro 4794	Pro-Agro 4794	INM	INM & Proper Seed rate	10	10	20	18	38	
		Irrigated	Kharif-2013	Paddy	K-343				06	06	08	08	16	
		Rainfed	Rabi-2013	Wheat	HS295 HS490		INM	INM & Proper Seed Rate	10	10				
	Millets													
	Vegetables													
	Flowers													
	Ornamental													
	Fruit	Irrigated	Rabi-2013	Strawberry	Chandler	-	Crop Diversification	Strawberry Cultivation	-	0.5	01	08	09	
	Spices and condiments													
	Commercial													
	Medicinal and aromatic													

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Area (ha)*		*No. of farmers/ demonstration*			*Reasons for shortfall in achievement*
									Proposed	*Actual*	*SC/ST*	*Others*	*Total*	
	Fodder	Rainfed	Rabi-2013	Oat	Kent	-	Replacement of fodder wheat with oat	Introduction of oat as fodder crop	02	02	03	06	09	
	Plantation													
	Fibre													
	Dairy													
	Poultry													
	Rabbitry													
	Pigerry													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	IFS													
	Apiculture													
	Implements													
	Others (specify)													

5.A. 1. Soil fertility status of FLDs plots during 2013-14

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/Acre)			Previous crop grown
									N	P	K	
	Oilseeds	*NA*										
	Pulses	*NA*										
	Cereals	*NA*										

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Millets	*NA*										
	Vegetables											
	Flowers											
	Ornamental											
	Fruit											
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder											
	Plantation											
	Fibre											
	Dairy											
	Poultry											

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Rabbitry											
	Pigerry											
	Sheep and goat											
	Duckery											
	Common carps											
	Mussels											
	Ornamental fishes											
	Oyster mushroom											
	Button mushroom											

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Vermicompost											
	Sericulture											
	IFS											
	Apiculture											
	Implements											
	Others (specify)											

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/Acre)			Previous crop grown
									N	P	K	

B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds																			
Mustard		RSPR-1	-	Rainfed	08	01	**Crop yet to be threshed as harvesting delayed due to continuous rains**												
Gobi Sarson		DGS-1	-	Rainfed	08	01	**Crop yet to be threshed as harvesting delayed due to continuous rains**												
Pulses																			
Rajmash (Mixed crop with Maize)	IPM	Local	-	Rainfed	15	05	4.92	3.35	4.20	2.98	40.93	7450	42000	34550	-	4200	29800	25600	-
Cereals																			
Maize	INM & Hybrid seed	Pro-Agro 4794	Pro-Agro 4794	Rainfed	38	10	47.24	29.11	39.88	28.97	37.65	16310	43868	27558	2.69	14770	31867	17097	2.15
Paddy	INM	K-343	-	Irrigated	16	06	50.16	36.12	43.24	34.25	26.24	19650	82156	62506	4.18	18200	65075	46875	3.57
Millets																			
Vegetables																			
Flowers																			
Ornamental																			

Crop	*Name of the technology demonstrated*	*Variety*	*Hybrid*	*Farming situation*	*No. of Demo.*	*Area (ha)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
							Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
							H	L	A										
Fruit																			
Strawberry	Scientific Strawberry Cultivation	Chandler	-	Irrigated	09	0.5	Crop in flowering stage												
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder																			
Oat	Introduction of fodder crop	Kent	-	Rainfed	09	02	**Crop in vegetative stage**												
Plantation																			
Fibre																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST ; H – Highest Yield, L – Lowest Yield A – Average Yield

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)

Data on other parameters in relation to technology demonstrated					
Crop	***Technology to be demonstrated***	***Variety/ Hybrid***	***Parameter with unit***	***Demo***	***Check***
			NIL		

5.B.2. Livestock and related enterprises: NIL

Type of livestock	*Name of the technology demonstrated*	*Breed*	*No. of Demo*	*No. of Units*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration Rs./unit)*				**Economics of check (Rs./unit)*			
					Demo			*Check if any*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Dairy																	
Poultry																	
									NIL								
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	***Demo***	***Check if any***

5. B.3. Fisheries : NIL

Type of Breed	*Name of the technology demonstrated*	*Breed*	*No. of Demo*	*Units / Area (m^2)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration Rs./unit) or (Rs./m2)*				**Economics of check Rs./unit) or (Rs./m2)*			
					Demo			*Check if any*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Common carps																	
Mussels																	
									NIL								
Ornamental fishes																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	***Demo***	***Check if any***

5.B.4. Other enterprises : NIL

Enterprise	*Name of the technology demonstrated*	*Variety / species*	*No. of Demo*	*Units / Area {m^2}*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./unit) or (Rs./m2)*				**Economics of check (Rs./unit) or (Rs./m2)*			
					Demo			*Check if any*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Oyster mushroom																	
Button mushroom																	
Vermicompost									**NIL**								
Sericulture																	
Apiculture																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	***Demo***	***Local***

5.B.5. Farm implements and machinery NIL

Name of the implement	*Cost of the implement in Rs.*	*Name of the technology demonstrated*	*No. of Demo*	*Area covered under demo in ha*	*Labour requirement in Mandays*		*% save*	*Savings in labour (Rs./ha)*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
					Demo	*Check*			*Gross cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
NIL																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	***Demo***	***Local***

5.B.6. Extension and Training activities under FLD

Sl.No.	***Activity***	***No. of activities organised***	***Number of participants***	***Remarks***
1	Field days	04	74	Farmers have showed good interest in participating and asking the inquiries during the field day regarding the enhancement of the yield of various crops.
2	Farmers Training	39	768	-
3	Media coverage			
4	Training for extension functionaries	06	76	-
5	Others (Vocational Training)	05	82	-

PART VIa – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	*Name of the technology demonstrated*	*Name of the hybrid*	*No. of Demo*	*Area (ha)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
					Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Cereals																	
Maize	Introduction of Hybrid & Proper Seed Rate	Pro-Agro 4794	38	10	47.24	29.11	39.88	28.97	37.65	16310	43868	27558	2.69	14770	31867	17097	2.15
Paddy																	
Sorghum																	
Wheat																	
Others (pl.specify)																	
Total																	
Oilseeds																	
Castor																	
Mustard																	
Safflower																	
Sesame																	
Sunflower																	
Groundnut																	
Soybean																	
Others (pl.specify)																	
Total																	
Pulses																	
Greengram																	
Blackgram																	
Bengalgram																	
Redgram																	

Type of Breed	*Name of the technology demonstrated*	*Name of the hybrid*	*No. of Demo*	*Area (ha)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
					Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Others (pl.specify)																	
Total																	
Vegetable crops																	
Tomato																	
Brinjal																	
Chilli																	
Tomato																	
Bottle gourd																	
Capsicum																	
Okra																	
Onion																	
Potato																	
Field bean																	
Others (pl.specify)																	
Total																	
Commercial crops																	
Sugarcane																	
Coconut																	
Others (pl.specify)																	
Total																	
Fodder crops																	
Maize (Fodder)																	

Type of Breed	*Name of the technology demonstrated*	*Name of the hybrid*	*No. of Demo*	*Area (ha)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
					Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Sorghum (Fodder)																	
Others (pl.specify)																	
Total																	

H-High ,L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VI b – FARMERS FIELD SCHOOLS

Title of the FFS	No. of participants	Name and address of the collaborator farmer	Technology demonstrated	Date of sowing	Date of harvest	Yield in q/ha		% increase over check
						FFS plot	Check plot	
NIL								

PART VII. TRAINING

7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Crop Production										
Weed Management										
Resource Conservation Technologies (Water)	01	27	03	30	40	32	72	67	35	102
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation	02	-	-	-	56	04	60	56	04	60
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)	01	-	-	-	149	19	168	149	19	168
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
Water management										
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										
Others (pl.specify)										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Dry land Horticulture										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Scaling of water productivity in agriculture										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
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										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Advanced technologies in plant protection										
Fisheries										
Integrated fish farming										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
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										
Others (pl.specify)										
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										
Mushroom production										
Apiculture										
Others (pl.specify)										
Azolla cultivation										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Farmers Field School										
Youth Empowerment										
Formation of CBAs										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
Sericulture										
Production technologies										
Rainfed Sericulture										
Disinfection of rearing house										
TOTAL	**04**	**27**	**03**	**30**	**245**	**55**	**300**	**272**	**58**	**330**

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Crop Production	***11***	***95***	***05***	***100***	***79***	***16***	***95***	***174***	***21***	***195***
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	01	27	02	29	08	-	08	35	02	37
Integrated Farming	07	52	-	52	50	07	57	102	07	109
Micro Irrigation/Irrigation										
Seed production	02	04	03	07	21	07	28	25	10	35
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs and farming										
Others (Perennial grasses cultivation)	01	12	-	12	-	02	02	12	02	14
Water saving technologies										
Horticulture	***04***	***23***	***06***	***29***	***38***	***02***	***40***	***61***	***08***	***69***
a) Vegetable Crops	**02**	**23**	**06**	**29**	**04**	**-**	**04**	**27**	**06**	**33**
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Protective cultivation										
Others (pl.specify)										
Integrated crop management	02	23	06	29	04	-	04	27	06	33
b) Fruits	**02**	**-**	**-**	**-**	**34**	**02**	**36**	**34**	**02**	**36**
Training and Pruning	01	-	-	-	18	02	20	18	02	20
Layout and Management of Orchards										
Cultivation of Fruit	01	-	-	-	16	-	16	16	-	16
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management	**09**	**85**	**05**	**90**	**70**	**01**	**71**	**155**	**06**	**161**
Dairy Management	01	01	01	02	16	-	16	17	01	18
Poultry Management	01	16	-	16	04	-	04	20	-	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	01	10	-	10	06	-	06	16	-	16
Animal Disease Management	02	15	04	19	07	01	08	22	05	27
Feed and Fodder technology										
Production of quality animal products	03	33	-	33	21	-	21	54	-	54
Others (Income generation through sheep and goat rearing)	01	10	-	10	16	-	16	26	-	26
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										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Safe drinking water										
Enter prenurship and processing										
Agril. Engineering										
Farm machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection	**12**	**142**	**02**	**144**	**120**	**19**	**139**	**262**	**21**	**283**
Integrated Pest Management	08	117	-	117	79	13	92	196	13	209
Integrated Disease Management	03	23	02	25	29	01	30	52	03	55
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (Seed Treatement)	01	02	-	02	12	05	17	14	05	19
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										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
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										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Sericulture										
Mulberry production										
Silkworm rearing										
Others (Pl. specify)										
Extension Education	***03***	***30***	***-***	***30***	***29***	***01***	***30***	***59***	***01***	***60***
Income Generating Units for Rural Youths	01	23	-	23	-	01	01	23	01	24
Kissan credit cards and their benefits	01	07	-	07	14		14	21	-	21
Loan/Credit facilities for agriculture	01	-	-	-	15	-	15	15	-	15
TOTAL	**39**	**375**	**18**	**393**	**336**	**39**	**375**	**711**	**57**	**768**

7.C. Training for Rural Youths including sponsored training programmes (on campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	01	09	-	09	06	-	06	15	-	15
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (Use of ICT for employment generation)	01	05	02	07	06	01	07	11	03	14
TOTAL	**02**	**14**	**02**	**16**	**12**	**01**	**13**	**26**	**03**	**29**

7.D. Training for Rural Youths including sponsored training programmes (off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	01	11	06	17	01	-	01	12	06	18
Mushroom Production	01	18	-	18	-	-	-	18	-	18
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture	01	-	-	-	17	-	17	17	-	17
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**03**	**29**	**06**	**35**	**18**	**-**	**18**	**47**	**06**	**53**

7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Productivity enhancement in field crops	02	-	-	-	-	-	-	-	-	21
Integrated Pest Management	04	-	-	-	-	-	-	-	-	55
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Scaling up of water productivity in Agriculture										
Nutrition Gardening										
Total	**06**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**76**

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										

Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total										

7.G. Sponsored training programmes conducted

S.No.	*Area of training*	*No. of Courses*	*No. of Participants*								
			General			*SC/ST*			*Grand Total*		
			Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
1	**Crop production and management**	03	27	03	30	96	36	132	123	39	162
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**	01	-	-	-	149	19	168	149	19	168
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics										
12.b.	Scaling up of water productivity in Agriculture (to farmers and extension personnel)										
	Total	**04**	**27**	**03**	**30**	**245**	**55**	**300**	**272**	**58**	**330**

Details of sponsoring agencies involved : NMMI, TSP, MoA,

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No.	*Area of training*	*No. of Courses*	*No. of Participants*								
			General			*SC/ST*			*Grand Total*		
			Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										

1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture	**01**	**-**	**-**	**-**	**17**	**-**	**-**	**17**	**-**	**17**
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation	**01**	**18**	**-**	**18**	**-**	**-**	**-**	**18**		**18**
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Bee Keeping	01	09	-	09	06	-	06	15	-	15
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**03**	**27**	**-**	**27**	**23**	**-**	**06**	**50**		**50**

PART VIII – EXTENSION ACTIVITIES

8.AExtension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	*No. of Programmes*	*No. of Participants (General)*			*No. of Participants SC / ST*			*No. of extension personnel*			*Grand Total*
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*	
Field Day	04	37	03	40	33	01	34	-	-	-	74
Kisan Mela											
Kisan Ghosthi	02	13	04	17	28	06	34	-	-	-	51
Exhibition	05	-	-	-	-	-	-	-	-	-	-
Film Show	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	02	-	-	-	-	-	-	-	-	-	20
Group meetings	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	70	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	51	-	-	-	-	-	-	-	-	-	670
Radio talks	17	-	-	-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-	-
Popular articles	25	-	-	-	-	-	-	-	-	-	-
Extension Literature	1123	-	-	-	-	-	-	-	-	-	-
Advisory Services	850	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	165	-	-	-	-	-	-	-	-	-	325
Farmers visit to KVK	-	-	-	-	-	-	-	-	-	-	992
Diagnostic visits	45	-	-	-	-	-	-	-	-	-	90

Nature of Extension Programme	*No. of Programmes*	*No. of Participants (General)*			*No. of Participants SC / ST*			*No. of extension personnel*			*Grand Total*
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*	
Exposure visits	01	-	-	-	-	-	-	-	-	-	20
Ex-trainees Sammelan	05	-	-	-	-	-	-	-	-	-	40
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	02	-	-	-	-	-	-	-	-	-	68
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	01	-	-	-	-	-	-	-	-	-	14
World Environment day	-	-	-	-	-	-	-	-	-	-	-
Parthenium day	01	-	-	-	-	-	-	-	-	-	32
World Food Day	-	-	-	-	-	-	-	-	-	-	-
Women in Agriculture day	-	-	-	-	-	-	-	-	-	-	-
Kissan day	-	-	-	-	-	-	-	-	-	-	-
Total	**2369**	**50**	**07**	**57**	**61**	**07**	**68**	**-**	**-**	**-**	**2364**

8. B. Kisan Mobile Advisory Services

Kisan Mobile Advisory									
Name of the KVK	**No. of farmers Covered**	**No. of Messages (Text)**	**Type of messages**						
			Crop	**Livestock**	**Weather**	**Marketing**	**Awareness**	**Other enterprise**	**Any other**
KVK Poonch	**2100**	**05**	**Pea, Barley, Wheat**	**-**	**-**	**-**	**-**	**-**	**-**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	*Name of the crop*	*Variety*	*Hybrid*	*Quantity of seed (qtl)*	*Value (Rs)*	*Number of farmers to whom provided*
Cereals (crop wise)	Wheat	HS-490	No	6.00	15,624	20 (FLD)
Oilseeds						
Pulses						
Commercial crops						
Vegetables						

Flower crops						
Spices						
Fodder crop seeds	Oats	Kent	No	4.00	9200	09 (FLD)
Fiber crops						
Forest Species						
Others (specify)						
Total				**10**	**24824**	

9.B. Production of planting materials by the KVKs

Crop category	***Name of the crop***	***Variety***	***Hybrid***	***Number***	***Value (Rs.)***	***Number of farmers to whom provided***
Commercial						
Vegetable seedlings						
Fruits	Strawberry	Chandler	-	1500	3000	09
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						

Forest Species						
Others(specify)						
Total				**1500**	**3000**	

9.C. Production of Bio-Products

Bio Products	***Name of the bio-product***	***Quantity Kg***	***Value (Rs.)***	***Number of farmers to whom provided***
Bio Fertilizers	Vermicompost	500	-	Used at Farm
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Micro nutrient mixture				
Total		500		

9.D. Production of livestock materials

Particulars of Live stock	*Name of the breed*	*Number*	*Value (Rs.)*	*Number of farmers to whom provided*
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total				

PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

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

(A) KVK News Letter – (Name, Date of start, periodicity, number of copies distributed, etc.)

(B) Literature developed/published

Item	*Title*	*Authors name*	*Number of copies*
Research papers	Agricultural Marketing System in the Intermediate Hills of Jammu and Kashmir. *Agri-business Potentials in India: Experiences from Hill States*, (eds.) Singh, Ram; Naik, Dibakar and Feroze, S.M., EBH Publishers (India), Guwahati, pp. 557-570. ISBN: 978-93-83252-21-3.	Sharma, Pawan Kumar; **Sanjay-Swami** and Ishar, Arvind	
	Site Specific Nutrient Management for Increasing Crop Productivity. Precision Farming: A New Approach, (eds.) Ram, T.; Lohan, S.K.; Singh, R. and Singh, P., Daya Publication House, New Delhi, India pp.240-257. ISBN: 978-81-7035-827-5.	**Sanjay-Swami;** Bazaya, B.R.; Chand, L.; Jat, N.K. and Arora, R	
	Growth, Yield and profitability of Indian mustard [*Brassica juncea* (L.) Czern & Coss] with different weed control measures and sulphur levels. *Agric. Sci. Digest*, 33(1): 15-20. ISSN: 0253-150X.	Sah, D.; Ram Sewak; Singh, A. K. and **Sanjay-Swami**	
	Stability analysis for seed yield attributing traits in chickpea *(Cicer arietinium L)* under Mid Hills of J&K. *Legume Research*- Accepted 14th December, 2013.	Sanjeev Kumar, Sanjay Khar, Magdeshwar Sharma and Praveen Singh (2014)	
	Genetic divergence study in improved wheat (*Triticum aestivum L*) varieties. ***African Journal***		

Item	*Title*	*Authors name*	*Number of copies*
	of Agricultural Research Vol. 9 (4):507-512.	(2014). Praveen Singh, A.K. Singh, M. Sharma and **S.K. Salgotra**	
	Genetic variability, Association for Morph-Physio Trails and Screening of Genotypes against Pea Seed Borne Mosaic Virus in Lentil. ***Legume Research*** **(Accepted)**	**Sanjeev Kumar**, Sanjay Khar, Vishal Mahajan, Pawan Kumar, Arvind Kumar Isher, Suraj Parkash and S. S. Jamwal	
	Valuing traditional Bee Keeping in Sustainable livelihood food security. In Proc. National Symposium on Recent Advances in Beneficial Insects. IINRG, Ranchi. Nov.27-29, 2013	Arvind Kumar Ishar, Devinder Sharma, D.P.Abrol and R.S.Bandral	
	Seasonal Incidence of Wasps in Apiaries at Poonch. In Proc. National Symposium on Recent Advances in Beneficial Insects. IINRG, Ranchi. Nov.27-29, 2013	Arvind Kumar Ishar, Devinder Sharma, Sanjay Swami and S.S.Jamwal	
	Evaluation of Fungicides, Botanicals and Bio-agents against wilt of chickpea caused by Fusarium oxysporum sp. Ciceri. In Proc. ISPS-IUFRO Conference on Sustainable Resource Management for Climate Change Utilization and Food Security. March, 13-15, 2014**.**	Sonika Jamwal, Anamika Jamwal and Arvind Ishar	

Item	*Title*	*Authors name*	*Number of copies*
Technical reports	MPRs, QPRs,, SDRs, CCRs	Staff of KVK	40
Technical bulletins	*A Pocket Diary of Ongoing Central and State Government Schemes for Farmers in J&K with reference to District Poonch*, Krishi Vigyan Kendra, Poonch, SKUAST-Jammu.	**Sanjay-Swami;** Ishar, A.K.; Kumar, S. and Jamwal, S.S	100
	A Pocket Diary on Protection of Plant Varieties and Farmers' Right Act, 2001. Krishi Vigyan Kendra, Poonch, SKUAST-Jammu.	**Sanjay-Swami;** Ishar, A.K.; Kumar, S. and Jamwal, S.S. (2014	100
	Khumb ke beejon ki Gunvatta evam Pehchaan	Sachin Gupta, V.K.Razdan, Moni Gupta, Arvind Ishar, Deepak Kumar, Shabir Ahmed and Ranbir Singh	500
Popular articles	"KVK-Poonch: Empowering Women in Agriculture", *The Regional Voice*, Vol. 1, Issue 32, October 07, 2013, p.04.	**Sanjay-Swami**	
	"Role of KVK-Poonch in Technology Transfer", *The Regional Voice*, Vol. 1, Issue 31, September 30, 2013, p.04.	**Sanjay-Swami**	
Training Manual	-	-	-
Extension literature	-	-	-
Folders /leaflets	-	-	-
TOTAL	**15**		**740**

10.B. Details of Electronic Media Produced

S. No.	**Type of media (CD / VCD / DVD/ Audio-Cassette)**	**Title of the programme**	**Number**
01	100 CD	Sponsored Training Programme on PPV&FRA.	100
02	14 Pendrive	Use of ICT for employment generation with special reference to	14

		agriculture	

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

The success stories/case studies with good action photographs (with captions) should be on the following topics

- ***a) Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
- ***b) Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
- ***c) Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above success stories/case studies are furnished below

TITLE : Crop Diversification

Introduction

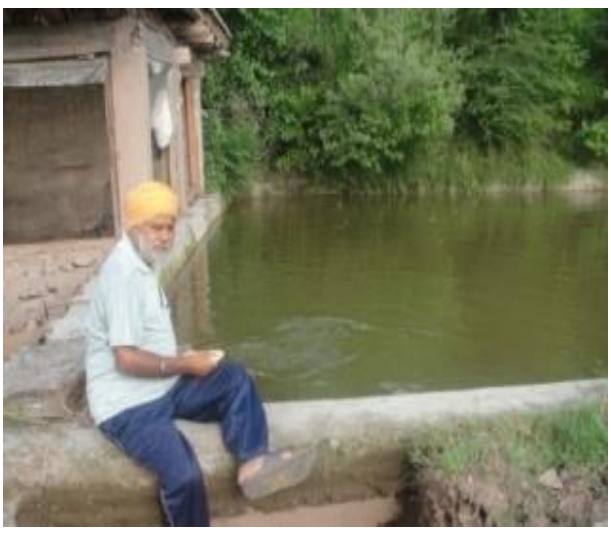
Sr. Amreek Singh, a retired army personnel owns 05 hectares of land in village Jhallas of Haveli Tehsil in Poonch district. He was growing traditional crops like maize, paddy and wheat at his farm. He was able to just cater his needs of food and other necessities of his family. Along with cereal crops he was rearing a milch animal at his farm.
He was also having a water harvesting tank at his farm which was being used for raising vegetables on an area of just 0.05 ha.

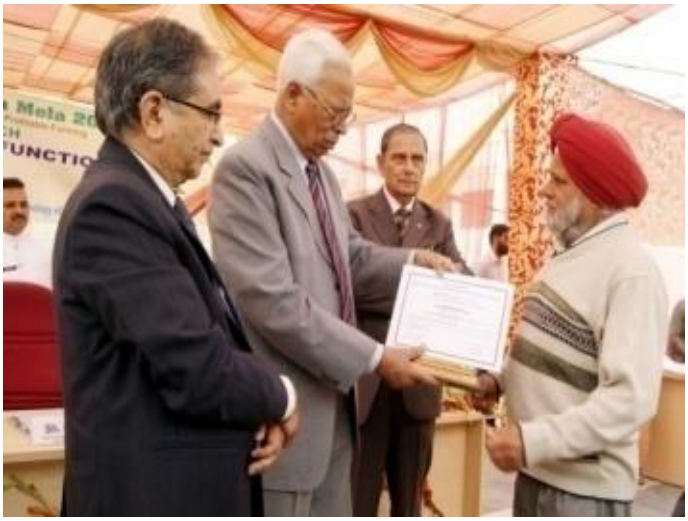
KVK intervention : KVK Poonch motivated the farmer to adopt diversified farming at his farm. He was imparted training in different fields of agriculture like seed production, mushroom cultivation and pisciculture. In association with Deptt. Of Agriculture, the farmer was sent on exposure visit to other areas of the state as well as the country. This visit motivated the farmer to adopt diversified farming. A Front Line Demonstration on improved variety of wheat viz. HS-490 was laid out at his farm.

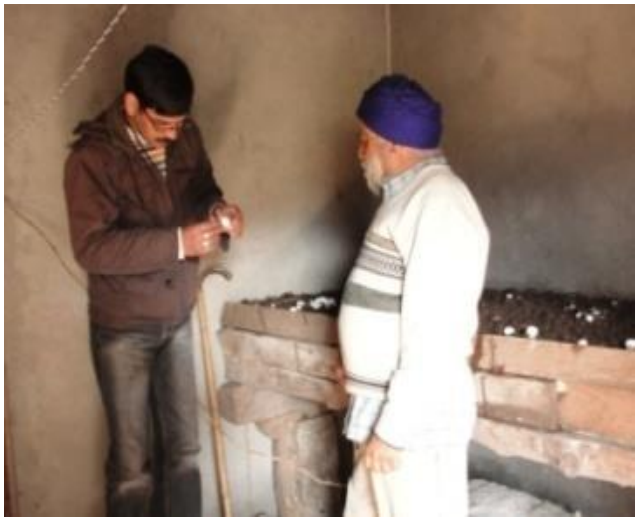
Output : He is now earning more than 5 lacs per annum by diversifying his farm activities**.**

Outcome : The famer is now successfully raising diverse crops and enterprises at his farm viz. Mushroom, Fish, Milk, Backyard Poultry, Maize, Wheat, Paddy, Vermicompost and vegetables at his farm. Fish is being reared in the water harvesting tank and excess water is being used to raise vegetables on an area of 0.2 hectares. He is also producing seed of wheat vaar. HS-490 and is sellin the same to other farmers of the area thereby replacing the old varieties and increasing the productivity o f h is fellow farmers. Number of milch animals have also been increased and recently he has installed a bio-gas plant at his farm and all the fuel consumption in his kitchen is met out by this gas.
Sr. Amreek Singh has won District level Progressive Farmer Award.

Impact : The farmer has became the source of inspiration for other farmers and 4 more farmers of the area have started harvesting the stream water in small ponds and started vegetable cultivation, mushroom cultivation and backyard poultry at their farm therby increasing their annual income besides providing employment round the year. He is now working as Farmer Friend of KVK and is also Member of Scientific Advisory Committee of KVK, Poonch.







10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year.

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

S. No.	*Crop / Enterprise*	*ITK Practiced*	*Purpose of ITK*
1	Paddy	Crop of Paddy infested with blast is broomed with fresh leaves of Cannabis sativa (bhang) and their	Management of Blast in Paddy

S. No.	*Crop / Enterprise*	*ITK Practiced*	*Purpose of ITK*
		incidence is reduced drastically.	
2	Walnut	Trunk of walnut is banded with paste of cowdung and cow urine.	For repelling and controlling walnut weevil

10.F. Indicate the specific training need analysis tools/methodology followed for

- **Identification of courses for farmers/farm women-** PRA / Crop Survey
- **Rural Youth- PRA**
- **In-service personnel- Meetings / Group Discussions**

10.G. Field activities

i. Number of villages adopted -
ii. No. of farm families selected -
iii. No. of survey/PRA conducted -

10.H. Activities of Soil and Water Testing Laboratory : Laboratory Not Established

Status of establishment of Lab :

1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	*Name of the Equipment*	*Qty.*	*Cost(Rs.)*
Total			

Details of samples analyzed so far since establishment of SWTL: N/A

Details	*No. of Samples analyzed*	*No. of Farmers benefited*	*No. of Villages*	*Amount realized (Rs.)*
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

Details of samples analyzed during the 2013-14: N/A

Details	*No. of Samples analyzed*	*No. of Farmers benefited*	*No. of Villages*	*Amount realized (Rs.)*
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

10.I. Technology Week celebration during 2013-14

Period of observing Technology Week: From 18/02/2014 to 25/02/2014
Total number of farmers visited : 56
Total number of agencies involved : 07
Number of demonstrations visited by the farmers within KVK campus: 04

Other Details

Types of Activities	***No. of Activities***	***Number of Farmers***	***Related crop/livestock technology***
Gosthies	01	35	
Lectures organized	14	50	
Exhibition	05	60	
Film show	04	58	
Fair	01	55	
Farm Visit	10	65	
Diagnostic Practicals	05	63	
Supply of Literature (No.)	1000	62	
Supply of Seed (q)	-		
Supply of Planting materials (No.)	-		
Bio Product supply (Kg)	-		
Bio Fertilizers (q)	-		
Supply of fingerlings	-		
Supply of Livestock specimen (No.)	-		
Total number of farmers visited the technology week		448 (Avg. 56/day)	

10. J. Interventions on drought mitigation (if the KVK included in this special programme) : N/A

A. Introduction of alternate crops/varieties

State	*Crops/cultivars*	*Area (ha)*	*Number of beneficiaries*

B. Major area coverage under alternate crops/varieties

Crops	*Area (ha)*	*Number of beneficiaries*
Total		

C. Farmers-scientists interaction on livestock management

State	*Livestock components*	*Number of interactions*	*No.of participants*
Total			

D. Animal health camps organized

State	*Number of camps*	*No.of animals*	*No.of farmers*
Poonch, Jammu and Kashmir	02	85	68
Total	**02**	**85**	**68**

E. Seed distribution in drought hit states: **NIL**

State	*Crops*	*Quantity (qtl)*	*Coverage of area (ha)*	*Number of farmers*
Total				

F. Large scale adoption of resource conservation technologies

State	*Crops/cultivars and gist of resource conservation technologies introduced*	*Area (ha)*	*Number of farmers*

G. Awareness campaign

State	Meetings/Trainings		Gosthies/Gramsabha		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers

PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before Rs./acre)	After (Rs./acre)
Improved variety of wheat (HS-490)	36	80	10980.00	14736.00
SCH of Maize	39	65	11688.00	15672.00
Intoduction of oats as fodder in monocropped area	08	100	1,120	1,680
IPM in Rajmash	15	100	13,008	17,040

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

11.B. Cases of large scale adoption

(Please furnish detailed information for each case)

Loran area of Mandi Block in Poonch district is semi-temperate region where mono cropping is practiced where in maize is major crop grown as mixed crop with Rajmash and potato. During winters, land is left fallow and in the next season, maize is again sown in the month of April. There was acute shortage of fodder in these months.

KVK, Poonch laid **FLDs on oat as fodder** crop in the lower reaches of Loran. The crop was succesfull, though the yield was not upto its potential. Yet, to a large extent, the scarcity of green fodder was taken care off.

Initially, the crop was grown over an area of mere **01 hectare**, but now oat is being grown over an area of **50 -60 hectare** and a rapid increase in the acreage under this fodder crop is being observed.

11.C. Details of impact analysis of KVK activities carried out during the reporting period :

Not done for the current year

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture	Training programmes, Inservice training programmes, FLDs etc
Department of Horticulture	Farmers training programmes
Department of Fisheries	Farmers training programmes

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

12.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	*Date/ Month of initiation*	*Funding agency*	*Amount (Rs.)*
Tribal Sub Plan (TSP)	01/2014	MoA, GoI	13.00 lacs

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district :

If yes, role of KVK in preparation of SREP of the district:
Member of ATMA, Prepare Contingent Plans, Research Plans for OFTs and validation of Technologies.

Sl. No.	*Programme*	*Nature of linkage*	*Remarks*
1	Kisan Melas	Research-Extension-farmer Linkage	-
2	Kisan Goshthies	Research-Extension-Farmer Linkage	-
3	Scientist Farmer Interaction	Research-Farmer Linkage	-
4	Trainings	Research-Farmer Linkage	-
5	On-Farm Trials	Validation of Proven technologies	-

Coordination activities between KVK and ATMA during 2013-14

S. No.	*Programme*	*Particulars*	*No. of programmes attended by KVK staff*	*No. of programmes Organized by KVK*	*Other remarks (if any)*
01	**Meetings**	**District ATMA board Meeting**	02	**NIL**	
02	**Research projects**		-		
03	**Training programmes**				
04	**Demonstrations**	-	-	-	-
05	**Extension Programmes**				
	Kisan Mela		04	-	
	Technology Week	-	-	01	-
	Exposure visit	Visit to farmer Fair Nagpur	-	01	-

S. No.	*Programme*	*Particulars*	*No. of programmes attended by KVK staff*	*No. of programmes Organized by KVK*	*Other remarks (if any)*
	Exhibition	Fruit Show	04	-	-
	Soil health camps				
	Animal Health Campaigns				
	FFS				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others News coverage				
07	**Other Activities**				

12.D. Give details of programmes implemented under National Horticultural Mission

S. No.	*Programme*	*Nature of linkage*	*Funds received if any Rs.*	*Expenditure during the reporting period in Rs.*	*Constraints if any*

12.E. Nature of linkage with National Fisheries Development Board

S. No.	*Programme*	*Nature of linkage*	*Funds received if any Rs.*	*Expenditure during the reporting period in Rs.*	*Remarks*

12.F. Details of linkage with RKVY

S. No.	*Programme*	*Nature of linkage*	*Funds received if any Rs.*	*Expenditure during the reporting period in Rs.*	*Remarks*
1	Resource Centre for Training conducted by Department of Floriculture , Poonch	Research-Extension-Farmer Linkage	NIL	NIL	SMS of KVK imparted training to floriculturists of Poonch at KVK, Farm

12. G Kisan Mobile Advisory Services

Month	*No. of SMS sent*	*No. of farmers to which SMS was sent*	*No. of feedback / query on SMS sent*
April 2013			
May	02	700	-
June	02	700	-
July	01	700	
August			
September			

October	05	2100	
November			
December			
January 2014			
February			
March			

PART XIII-PERFORMANCE OF INFRASTRUCTURE IN KVK

13.A. Performance of demonstration units (other than instructional farm)

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

13.B. 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	Nov.	May	0.50	HS 490	Foundation seed	6.00qtl.	2,547	15,624	
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									
Oats	Nov.	May	0.4	Kant	Foundation seed	4.00 qtl	2037	9,200	

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

Sl. No.	*Name of the Product*	*Qty*	*Amount (Rs.)*		*Remarks*
			Cost of inputs	*Gross income*	
1	Vermicompost	5.00 qtls.	-	-	Used at KVK, Farm

13.D. Performance of instructional farm (livestock and fisheries production) N/A

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

13.E. Utilization of hostel facilities: Hostel is under construction

Accommodation available (No. of beds) = **Furniture is not available in the hostel**

Months	***No. of trainees stayed***	***Trainee days (days stayed)***	***Reason for short fall (if any)***
April 2013			
May 2013			
June 2013			
July 2013			
August 2013			
September 2013			
October 2013			
November 2013			
December 2013			
January 2014			
February 2014			
March 2014			

13.F. Database management

S. No	***Database target***	***Database created***

13.G. Details on Rain Water Harvesting Structure and micro-irrigation system – N/A

Amount sanction (Rs.)	***Expenditure (Rs.)***	***Details of infrastructure created / micro irrigation system etc.***	***Activities conducted***					***Quantity of water harvested in '000 litres***	***Area irrigated / utilization pattern***
			No. of Training programmes	***No. of Demonstration s***	***No. of plant materials produced***	***Visit by farmers (No.)***	***Visit by officials (No.)***		

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	*Name of the bank*	*Location*	*Branch code*	*Account Name*	*Account Number*	*MICR Number*	*IFSC Number*
With Host Institute							
With KVK	J&K Bank	Poonch	0019	Programme Coordinator	0019040500022969	185051101	JAKA0BORDER
	J&K Bank	Poonch	0019	Programme Coordinator (Revolving Fund)	0019040500022987	185051101	JAKA0BORDER

14.B. Utilization of KVK funds during the year 2013-14 (Rs. in lakh)

Sl. No.	*Particulars*	*Sanctioned*	*Released*	*Expenditure*	*Balance*
A. Recurring Contingencies					
1	**Pay & Allowances**	56.65	56.65	66.05	-9.40
2	**Traveling allowances**	0.80	0.80	0.99	-0.19
3	**Contingencies**	5.80	5.80	5.80	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance				
B	POL, repair of vehicles, tractor and equipments				
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)				
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	Extension activities				
I	Maintenance of buildings				
J	Establishment of Soil, Plant & Water Testing Laboratory				
K	Farmers Filed School				
L	Library				
TOTAL (A)		**63.25**	**63.25**	**72.84**	**-9.59**
B. Non-Recurring Contingencies					
1	**Works**				
a.	Furniture and Furnishing				
b.	EPBAX				
c.	Administrative building (II & Final installment)				
d.	Farmers (II & Final installment)				
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)		**63.25**	**63.25**	**72.84**	**-9.59**

14.C. Status of revolving fund (Rs. in lakh) for the three years

ICAR revolving fund

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 2011 to March 2012	2,44,485	88,679	8,656	3,24,508
April 2012 to March 2013	3,24,508	1,06,964	2,496	78,976 + FDR(3,50,000)
April 2013 to March 2014	78,976 + FDR(3,50,000)	1,19,125	8,614	1,89,487 + FDR(3,50,000)

15. Details of HRD activities attended by KVK staff during 2013-14

Name of the staff	*Designation*	*Title of the training programme*	*Institute where attended*	*Dates*
Dr. Sanjay Swami	PC	21 days Winter School Training Programme for Capacity Building in Geospatial Technologies at Department of Remote Sensing & GIS	University of Jammu	25 February to 17 March, 2014.
Dr. Sanjeev Kumar	SMS	Climate Change, food security and livelihood Opportunities in Mountain Agriculture - Unconventional Breeding Approaches to Tackle Emerging Issues of Food Security	SKUAST Kashmir, Shalimar Srinagar PAU Ludhiana	May 14- 23, 2013 10-30th September, 2013
Dr. Arvind Kumar Ishar	SMS	Pest Surveillance	NIPHM, Hyderabad	12-19 August, 2013
Dr. Sanjay Swami Dr. Sanjeev Kumar Dr. Arvind Kumar Ishar S. S. jamwal	PC SMS SMS Prog. Asstt.	1. Reporting and Documentation of Field Experiments 2. Scientific Documentation of Case Studies / Success Stories 3. Marketing Intelligence for Agricultural Commodities 4. University Level Work Shop of all KVKs of SKUAST-J	Directorate of Extension, SKUAST-Jammu	20-22 March, 2014 31st March, 2014

16. Please include any other important and relevant information which has not been reflected above (write in detail).

SUMMARY FOR 2013-14

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*
Integrated Nutrient Management			
Varietal Evaluation	PAADDY	Evaluation of paddy varieties	02
	Wheat	Effect of seed rate in the productivity of wheat varieties	04
Integrated Pest Management	Apple	Management of San Jose Scale in apple	02
	Cucumber	Insect pest management in cucumber	03
Integrated Crop Management			
Integrated Disease Management			
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			
Storage Technique			
Others (Pl. specify)			
Total			

Summary of technologies assessed under livestock : NIL

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			

Summary of technologies assessed under various enterprises

Thematic areas	*Enterprise*	*Name of the technology assessed*	*No. of trials*

Summary of technologies assessed under home science

Thematic areas	*Enterprise*	*Name of the technology assessed*	*No. of trials*

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops-Nil-

Thematic areas	*Crop*	*Name of the technology refined*	*No. of trials*
Integrated Nutrient Management			
Varietal Evaluation			
Integrated Pest Management			
Integrated Crop Management			
Integrated Disease Management			
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			
Storage Technique			
Others (Pl. specify)			
Total			

Summary of technologies assessed under refinement of various livestock NIL

Thematic areas	*Name of the livestock enterprise*	*Name of the technology refined*	*No. of trials*
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			

Summary of technologies refined under various enterprises: NIL

Thematic areas	*Enterprise*	*Name of the technology assessed*	*No. of trials*

Summary of technologies refined under home science : NIL

Thematic areas	*Enterprise*	*Name of the technology assessed*	*No. of trials*

III. FRONTLINE DEMONSTRATION

Crops

Crop	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*Area (ha)*	*Yield (q/ha)*		*% change in yield*	*Other parameters*		**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Oilseeds			01		01													
Mustard	Crop Diversification	Introduction of Oilseeds		08		**Crop yet to be threshed**												
Gobi Sarson	Crop Diversification	Introduction of Oilseeds		08	01	**Crop yet to be threshed**												
Pulses																		
Rajmash	Pest Management	IPM	01	15	05	4.20	2.98	40.93			7450	42000	34550	-	4200	29800	25600	-
Cereals																		
Maize	Varietal Replacement Nutrient Management	Sowing of Hybrid Balanced Dose of fertilizers	01	38	10	39.88	28.97	37.65			16310	43868	27558	2.69	14770	31867	17097	2.15
Padddy	Varietal Replacement Nutrient Management	New Improved Variety Balanced Dose of Fertilizer	01	16	06	43.24	34.25	26.24			19650	82156	62506	4.18	18200	65075	46875	3.57
Wheat																		
Millets																		
Vegetables																		
Fruit																		
Strawberry	Crop Diversification	Scientific Strawberry Cultivation	01	09	0.5	**Crop is in the flowering stage**												

Crop	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*Area (ha)*	*Yield (q/ha)*		*% change in yield*	*Other parameters*		**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Commercial crops																		
Fodder																		
Oats	Introduction of Fodder crop	Oat Cultivation	01	09	02	**Crop is at Vegetative stage**												

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*No.of units*	*Major parameters*		*% change in major parameter*	*Other parameter*		**Economics of demonstration (Rs.)*				**Economics of check (Rs.)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Dairy																		
Poultry																		
Rabbitry																		
Pigerry																		
Sheep and goat																		
Duckery																		
Others (pl.specify)																		
	Total																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries: -

Category	*Thematic area*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*No.of units*	*Major parameters*		*% change in major parameter*	*Other parameter*		**Economics of demonstration (Rs.)*				**Economics of check (Rs.)*			
						Demonstration	*Check*		*Demonstration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Common carps																		
Mussels																		
Ornamental fishes																		
Others (pl.specify)																		
	Total																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*No.of units*	*Major parameters*		*% change in major parameter*	*Other parameter*		**Economics of demonstration (Rs.) or Rs./unit*				**Economics of check (Rs.) or Rs./unit*			
					Demons ration	*Check*		*Demons ration*	*Check*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Total																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Women empowerment:

Category	*Name of technology*	*No. of KVKs*	*No. of demonstrations*	*Name of observations*	*Demonstration*	*Check*
Women						
Pregnant women						
Adolescent Girl						
Other women						
Children						
Neonats						
Infants						
Children						

Farm implements and machinery: NIL

Name of the implement	*Crop*	*Name of the technology demonstrated*	*No. of KVKs*	*No. of Farmer*	*Area (ha)*	*Filed observation (output/man hour)*		*% change in major parameter*	*Labor reduction (man days)*				*Cost reduction (Rs./ha or Rs./Unit ect.)*			
						Demonstration	*Check*									

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

Demonstration details on crop hybrids

Crop	***Name of the Hybrid***	***No. of farmers***	***Area (ha)***	***Yield (kg/ha) / major parameter***			***Economics (Rs./ha)***			
				Demonst-ration	***Local check***	***% change***	***Gross Cost***	***Gross Return***	***Net Return***	***BCR***
Cereals										
Maize	Pro-Agro 4794	38	10	39.88	28.97	37.65	16310	43868	27558	2.69
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										

Crop	*Name of the Hybrid*	*No. of farmers*	*Area (ha)*	*Yield (kg/ha) / major parameter*			*Economics (Rs./ha)*			
				Demonst-ration	*Local check*	*% change*	*Gross Cost*	*Gross Return*	*Net Return*	*BCR*
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Others (pl.specify)										
Total										
Cucumber										
Tomato										
Brinjal										
Tomato										
Brinjal										
Chilli										
Tomato										
Tomato										
Brinjal										
Tomato										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Sugarcane										
Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

IV. Training Programme

Training for Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Crop Production										
Weed Management										
Resource Conservation Technologies (Water)	01	27	03	30	40	32	72	67	35	102
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation	02	-	-	-	56	04	60	56	04	60
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)	01	-	-	-	149	19	168	149	19	168
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
Water management										
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										
Others (pl.specify)										
Dry land Horticulture										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Scaling of water productivity in agriculture										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
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										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Advanced technologies in plant protection										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
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										
Others (pl.specify)										
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										
Mushroom production										
Apiculture										
Others (pl.specify)										
Azolla cultivation										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Farmers Field School										
Youth Empowerment										
Formation of CBAs										
Agro-forestry										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
Sericulture										
Production technologies										
Rainfed Sericulture										
Disinfection of rearing house										
TOTAL	**04**	**27**	**03**	**30**	**245**	**55**	**300**	**272**	**58**	**330**

Training for Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Crop Production	***11***	***95***	***05***	***100***	***79***	***16***	***95***	***174***	***21***	***195***
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	01	27	02	29	08	-	08	35	02	37
Integrated Farming	07	52	-	52	50	07	57	102	07	109
Micro Irrigation/Irrigation										
Seed production	02	04	03	07	21	07	28	25	10	35
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs and farming										
Others (Perennial grasses cultivation)	01	12	-	12	-	02	02	12	02	14
Water saving technologies										
Horticulture	***04***	***23***	***06***	***29***	***38***	***02***	***40***	***61***	***08***	***69***
a) Vegetable Crops	**02**	**23**	**06**	**29**	**04**	**-**	**04**	**27**	**06**	**33**
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Integrated crop management	02	23	06	29	04	-	04	27	06	33
b) Fruits	**02**	**-**	**-**	**-**	**34**	**02**	**36**	**34**	**02**	**36**
Training and Pruning	01	-	-	-	18	02	20	18	02	20
Layout and Management of Orchards										
Cultivation of Fruit	01	-	-	-	16	-	16	16	-	16
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management	**09**	**85**	**05**	**90**	**70**	**01**	**71**	**155**	**06**	**161**
Dairy Management	01	01	01	02	16	-	16	17	01	18
Poultry Management	01	16	-	16	04	-	04	20	-	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	01	10	-	10	06	-	06	16	-	16
Animal Disease Management	02	15	04	19	07	01	08	22	05	27
Feed and Fodder technology										
Production of quality animal products	03	33	-	33	21	-	21	54	-	54
Others (Income generation through sheep and goat rearing)	01	10	-	10	16	-	16	26	-	26
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										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Safe drinking water										
Enter prenurship and processing										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
Agril. Engineering										
Farm machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection	**12**	**142**	**02**	**144**	**120**	**19**	**139**	**262**	**21**	**283**
Integrated Pest Management	08	117	-	117	79	13	92	196	13	209
Integrated Disease Management	03	23	02	25	29	01	30	52	03	55
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (Seed Treatement)	01	02	-	02	12	05	17	14	05	19
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										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		M	*F*	*Total*	*M*	*F*	*Total*	*M*	*F*	*Total*
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										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Sericulture										
Mulberry production										
Silkworm rearing										
Others (Pl. specify)										
Extension Education	***03***	***30***	***-***	***30***	***29***	***01***	***30***	***59***	***01***	***60***
Income Generating Units for Rural Youths	01	23	-	23	-	01	01	23	01	24
Kissan credit cards and their benefits	01	07	-	07	14		14	21	-	21
Loan/Credit facilities for agriculture	01	-	-	-	15	-	15	15	-	15
TOTAL	**39**	**375**	**18**	**393**	**336**	**39**	**375**	**711**	**57**	**768**

Training for Rural Youths including sponsored training programmes (on campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Nursery Management of Horticulture crops										

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	01	09	-	09	06	-	06	15	-	15
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (Use of ICT for employment generation)	01	05	02	07	06	01	07	11	03	14
TOTAL	**02**	**14**	**02**	**16**	**12**	**01**	**13**	**26**	**03**	**29**

Training for Rural Youths including sponsored training programmes (off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	01	11	06	17	01	-	01	12	06	18
Mushroom Production	01	18	-	18	-	-	-	18	-	18
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture	01	-	-	-	17	-	17	17	-	17
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**03**	**29**	**06**	**35**	**18**	**-**	**18**	**47**	**06**	**53**

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Productivity enhancement in field crops	02	-	-	-	-	-	-	-	-	21
Integrated Pest Management	04	-	-	-	-	-	-	-	-	55
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Scaling up of water productivity in Agriculture										
Nutrition Gardening										
Total	**06**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**76**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	*No. of Courses*	*No. of Participants*								
		General			*SC/ST*			*Grand Total*		
		Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total										

Sponsored training programmes

S.No.	*Area of training*	*No. of Courses*	*No. of Participants*								
			General			*SC/ST*			*Grand Total*		
			Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
1	**Crop production and management**	03	27	03	30	96	36	132	123	39	162
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**	01	-	-	-	149	19	168	149	19	168
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics										
12.b.	Scaling up of water productivity in Agriculture (to farmers and extension personnel)										
	Total	**04**	**27**	**03**	**30**	**245**	**55**	**300**	**272**	**58**	**330**

Details of Vocational Training Programmes carried out for rural youth

S.No.	*Area of training*	*No. of Courses*	*No. of Participants*								
			General			*SC/ST*			*Grand Total*		
			Male	*Female*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*	*Total*
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture	**01**	**-**	**-**	**-**	**17**	**-**	**-**	**17**	**-**	**17**
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation	**01**	**18**	**-**	**18**	**-**	**-**	**-**	**18**		**18**
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Bee Keeping	01	09	-	09	06	-	06	15	-	15
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**03**	**27**	**-**	**27**	**23**	**-**	**06**	**50**		**50**

V. Extension Programmes

Activities	*No. of programmes*	*No. of farmers*	*No. of Extension Personnel*	*Total*
Field Day	04	74		
Kisan Mela				
Kisan Ghosthi	02	51		
Exhibition	05			
Film Show				
Method Demonstrations				
Farmers Seminar				
Workshop	02	20		
Group meetings				
Lectures delivered as resource persons	70			
Advisory Services	850			
Scientific visit to farmers field	165	325		
Farmers visit to KVK				
Diagnostic visits	45	90		
Exposure visits	01	20		
Ex-trainees Sammelan	05	40		
Soil health Camp				
Agri mobile clinic				
Soil test campaigns				
Farm Science Club Conveners meet				
Self Help Group Conveners meetings				
World Environment day				
Parthenium day	01	32	-	-
World Food Day				
Women in Agriculture day				
Kisan day				
Any Other (Specify)				
Total	**1150**	**620**		

Details of other extension programmes

Particulars	*Number*
Electronic Media	
Extension Literature	1123
News Letter	
News paper coverage	51
Technical Articles	02
Technical Bulletins	03
Technical Reports	42
Radio Talks	17
TV Talks	
Animal health camps (Number of animals treated)	02
Others (pl.specify)	
Total	

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	*Name of the crop*	*Name of the variety (if hybrid pl. specify)*	*Quantity of seed (q)*	*Value (Rs)*	*Number of farmers*
Cereals	Wheat	HS490	6.00	15,624	-
Oilseeds					
Pulses					
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others					
Total					

Production of planting materials by the KVKs

Crop category	*Name of the crop*	*Name of the variety (if hybrid pl. specify)*	*Number*	*Value (Rs.)*	*Number of farmers*
Commercial					
Vegetable seedlings					
Fruits	Strawberry	Chandler	1500	3000	-
Ornamental plants					
Medicinal and Aromatic					
Plantation					
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others					
Total					

Production of Bio-Products

Bio Products	*Name of the bio-product*	*Quantity (Kg)*	*Value (Rs.)*	*No. of Farmers*
Bio Fertilizers	vermicomposit	6.00	-	-
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Micro nutrient mixture				
Total				

Production of livestock and related enterprise materials

Particulars of Live stock	*Name of the breed*	*Number*	*Value (Rs.)*	*No. of Farmers*
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2012-13

Samples	*No. of Samples*	*No. of Farmers*	*No. of Villages*	*Amount realized (Rs.)*
Soil				
Water				
Plant	**42**	**39**	**21**	**--**
Manure				
Others (pl.specify)				
Total	**42**	**39**	**21**	**-**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
01

IX. NEWSLETTER

X. RESEARCH PAPER PUBLISHED

Number of research paper published
11

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	*No. of Demonstration s*	*No. of plant materials produced*	*Visit by farmers (No.)*	*Visit by officials (No.)*

----------XXXXXXX----------

ANNEXURE-I

Proceedings of Scientific Advisory Committee meeting

MINUTES OF 6TH SAC MEETING OF KVK POONCH ORGANIZED ON 19th MARCH, 2014

6th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Poonch was organized on 19th March, 2014 in the Meeting Hall of KVK, Poonch. The meeting was chaired by Dr. K.S. Risam, Director Extension, SKUAST-Jammu and was attended by district officers of Agriculture and line departments, Scientists of MBRSS, Poonch in addition to four progressive farmers of district Poonch. The meeting started with welcome address by Dr. Arvind Ishar, SMS (Entomology). Dr. Sanjay Swami, Member Secretary and Programme Coordinator, KVK, Poonch presented the Annual Progress Report of KVK, Poonch w.e.f. 16 May 2012 to 19 March 2014 and Proposed Annual Action Plan for the year 2014-15.

Agenda Items	Title
Agenda Item - 1	**Confirmation/Approval of Proceedings of 5th SAC Meeting held on 15th May 2012.** Proceedings of the 5th SAC meeting were circulated among all the members of SAC and the same were confirmed by the house.
Agenda Item - 2	**Action Taken Report of 5th SAC Meeting of KVK Poonch held on 15th May 2012.** Action taken on the recommendation of the members of SAC during 5th SAC meeting were presented before the house.
Agenda Item - 3	**Financial Expenditure for the year 2013-14** The financial expenditure of KVK-Poonch for the year 2013-14 was presented before the house.
Agenda Item - 4	**Presentation of Progress Report (15th May 2012 to 19th March, 2014)** Progress report of KVK w.e.f. 15th May 2012 to 19th March, 2014 was presented before the house.
Agenda Item – 5	**Presentation of Action plan for the year 2014-15.**
Agenda Item – 6	**Any other item (s) with the permission of the chair**

The Annual Action Plan of KVK, Poonch for the Year 2014-15 was presented before the house and necessary suggestions were sought for incorporation in the plan.

While discussing the replacement of traditional varieties with hybrids, Chief Agriculture Officer, Poonch informed the house that they have covered 50% area under high yielding maize hybrids like Bioseed 9621 but in the *kharif* 2013 it showed complete failure and seeks cooperation from KVK scientist to suggest some other high yielding varieties/hybrids of maize for Poonch district. Director Extension directed the Maize Scientist MBRSS, Poonch for production of seeds of Single Cross Hybrids (SCHs).

Chief Agriculture Officer further suggested the house that portable vermin-beds are more useful as compared to vermi-compost pits. There is no need of designing permanent structure for vermin-compositing unit. He also emphasized that more number of training programmes with collaboration of department of agriculture should be organised for the farmers of district Poonch.

Further speaking on the introduction of new high yielding varieties of paddy, Chief Agriculture Officer requested for testing of Pusa Basmati-1 for their morph-physiological traits as this variety is being grown by some of the farmers in block Haveli. Director Extension directed the PC that the same should be tested under local conditions. Associate Director Research, RARS, Rajouri also suggested for testing of Pusa Sugandh- 2 and Pusa Sugandh- 3 for its suitability in Poonch district

(Action: KVK Poonch, Department of Agriculture & MBRSS Poonch)

Chief Horticulture Officer, Poonch requested for conducting some training programmes on horticulture especially on pruning, budding and grafting on Pear, Plum and Walnut. He also requested to organize demonstration unit on budding and grafting in selected established orchard which shall be used for training of BHT/BAT trainees. In this connection, Director Extension also instructed to organise training programme with the help of Department of Horticulture during the month of June - July anywhere in Poonch involving BHT/BAT trainees. He requested CHO, Poonch to depute trained staff from his department for trainings of budding and grafting.

CHO further requested that the training programmes on moisture conservation in horticultural crops should be organised in collaboration with the officers of horticultural department for the farmers of Poonch.

Commenting on the On-Farm Trial conducted by plant protection scientist of KVK, DE instructed scientist to prepare a bulletin on the management of San Jose Scale in apple. He also directed to conduct field days on its management in collaboration with the Department of Horticulture.

(Action: KVK & Department of Horticulture)

Assistant Director Fisheries, Poonch informed the house that numbers of collaborative trainings have been conducted by KVK and Department of Fisheries during 2013-14. Director Extension emphasized that more number of such training programmes in collaboration with the fishery department should be organised especially on fish breeding. Farmers should be identified in collaboration with the department so that they can be sent to the SKUAST-K for advanced training programme on fishery. At the same time, he instructed that schedule of all the training programmes for the coming month should be sent to the concerned department up to 25th of the preceding month.

(Action: KVK Poonch & Department of Fishery)

While discussing the problem of non-availability of chicks with Department of Animal Husbandry-Poonch, Director Extension requested Poultry Development Officer, Poonch for arranging the chicks for FLDs by KVK from Belicharana hatchery, Jammu. Responding to his request, Poultry Development Officer, Poonch informed the house that a hatchery unit has been established at Poonch by the department and assured to provide chicks during the next financial year.

(Department of Animal Husbandry)

On the request of Chief Agriculture Officer, Director Extension directed the PC, KVK for conducting training programmes on off-season cultivation of Pea in Chandi Marh area of Poonch. **He also directed to identify the farmers for seed production of vegetables at their farm under the supervision of KVK scientists.**

(Action: KVK Poonch)

Director Extension also requested Chief Agriculture Officer, Poonch for identifying the farmers for training programmes in collaboration with scientists of KVK Poonch. He also instructed the PC to conduct a meeting with the heads of line department for preparing the calendar of training programmes. CAO also requested the Director Extension for organizing training programmes on post harvest management of Rajmash in collaboration with KVK scientists. Director Extension assured him of full cooperation from Scientists of KVK. While discussing the scarcity of fodder in the area, Director Extension directed the PC for increasing the area of Oat under FLDs and not to conduct FLDs on wheat in Action Plan 2014-15, as same in not a widely grown crop in the area. He further directed scientists to compare the data of awnless wheat (Moond wheat) with oats varieties like Kent and Sabzar on the basis of biochemical and molecular traits so that farmers can be awared of the best use of fodder crop for getting higher milk yield from the milch animals and scarcity of fodders could be tackled. He suggested that biochemical and molecular traits could be evaluated seeking the help of Division of PBG, SKUAST-J, Chatha.

(Action: Department of Agriculture, KVK Poonch & Division of PBG)

Chief Agriculture Officer requested the KVK scientists for establishing the demonstration unit on Micro-irrigation and funds should be borne by the Department of Agriculture under NMMI Project.

(Action: KVK Poonch)

Progressive farmers namely Sh. Bansi Lal and Mrs. Suneet Kour informed the house that with the intervention of KVK, their income has increased manifold. Sh. Amreek Singh also informed the house that the wheat variety HS-490 provided by KVK under FLD is performing very well for the last three years and he has provided the seed of the same to other farmers of his locality and it is now grown on 50 hectares area of his village. This way he is replacing the old varieties of wheat with this new high yielding variety, Director Extension applauded the role of the farmer in popularizing the variety in his area. He directed the staff of KVK to prepare the success story of the farmer.

(Action: KVK Poonch)

Addressing to the suggestions and queries from the members, Dr. K.S. Risam, Director Extension, SKUAST-J directed the Programme Coordinator to incorporate all the suggestions of the members of Scientific Advisory Committee. He emphasized that farmers training programmes should be on the basis of problems identified. He further directed that in service training programmes should be based on the requirements of extension functionaries of the district. He also directed that each scientist must conduct at least two OFTs every year. Responding to the request of farmers for providing inputs, DE suggested that the inputs should be given to the poor farmers only rather than progressive and awarded farmers under various schemes (FLDs/TSP/OFTs etc.) of KVK and central sponsored schemes.

Director Extension appreciated the efforts made by scientific staff of KVK for establishing the three new demonstration units namely Vermicompost Unit, Apiary Unit and Mushroom Unit.

He instructed the Member Secretary to submit the minutes of 6th SAC meeting well in advance for its approval and circulate the same to all the members of SAC for taking appropriate action at their part.

(Action: KVK Poonch)

The meeting ended with the vote of thanks proposed by Dr. Sanjeev Kumar, SMS (Plant Breeding & Genetics).

List of Participants of 6th SAC Meeting of KVK, Poonch held on 19th March, 2014

S. No.	Name	Designation
1	Dr. K.S. Risam	Director Extension, SKUAST-J
2	Dr. A.K.Sharma	Associate Director Research, RARS, Rajouri
3	Sh. Younis Choudhary	Chief Agriculture Officer, Poonch.
4	Sh. R.K.Koul	Chief Horticulture Officer, Poonch
5	Dr. Sunil Bazaz.	Chief Animal Husbandry Officer, Poonch
6	Dr.V.K.Bhala.	District Sheep Husbandry Officer, Poonch
7	Qadeer-ul-Reheman Qazi.	District Social Welfare Officer.
8	Sh. Azmat Hussain Shah	Range Officer, Poonch
9	Sh. Bashir Ahmed	Assistant Director, Fisheries
10	Sh. Bansi Lal	Progressive Farmer
11.	S. Amreek Singh	Progressive Farmer
12	Smt. Suneet Kour	Progressive Farmer
13	Miss. Lalita Thakur	Progressive Farmer
14	Dr. Praveen Singh	Jr. Scientist, MBRSS, Poonch
15	Dr. Sanjay Swami	Programme Coordinator

ANNEXURE-II
Success story / Case studies

TITLE : Crop Diversification

Introduction

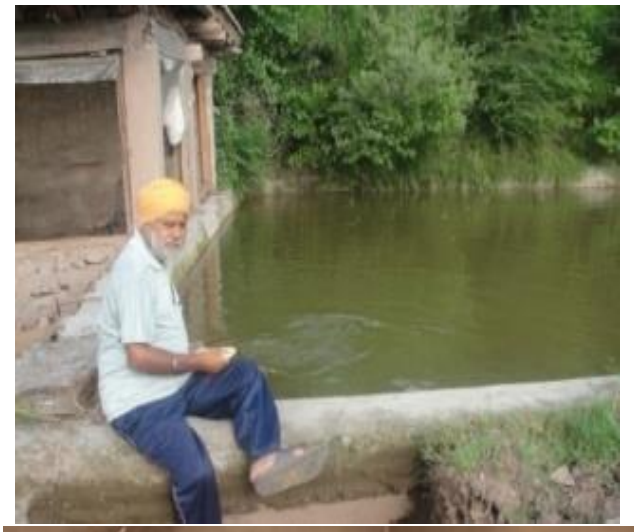
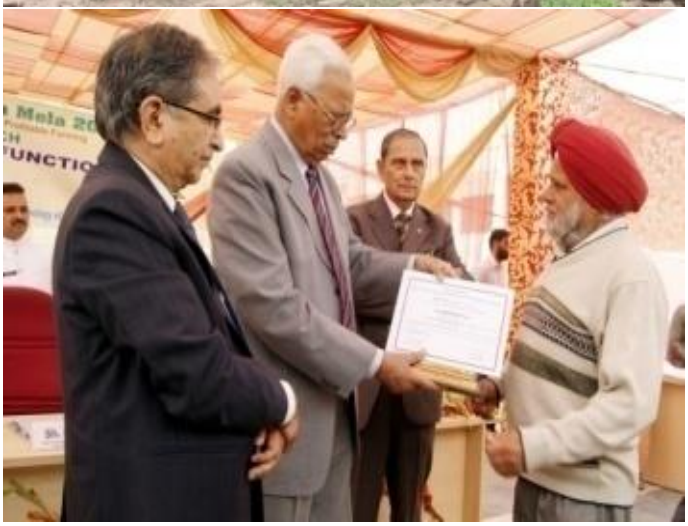
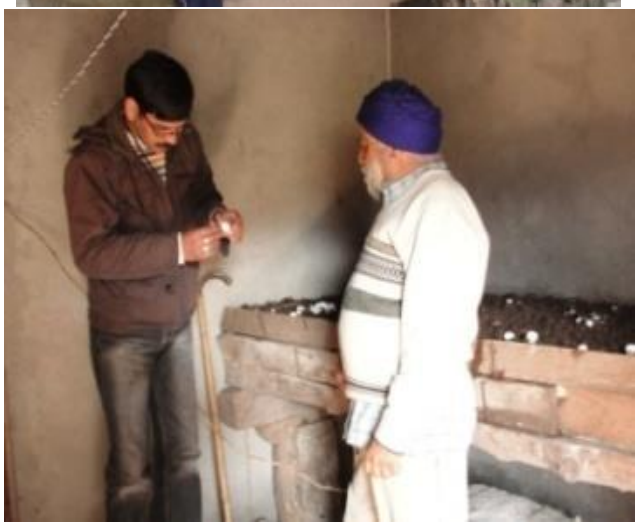
Sr. Amreek Singh, retired army personnel owns 05 hectares of land in village Jhallas of Haveli Tehsil in Poonch district. He was growing traditional crops like maize, paddy and wheat at his farm. He was able to just cater his needs of food and other necessities of his family. Along with cereal crops he was rearing a milch animal at his farm.
He was also having a water harvesting tank at his farm which was being used for raising vegetables on an area of just 0.05 ha.
KVK intervention: KVK Poonch motivated the farmer to adopt diversified farming at his farm. He was imparted training in different fields of agriculture like seed production, mushroom cultivation and pisciculture. In association with Deptt. Of Agriculture, the farmer was sent on exposure visit to other areas of the state as well as the country. This visit motivated the farmer to adopt diversified farming. A Front Line Demonstration on improved variety of wheat viz. HS-490 was laid out at his farm.

Output: He is now earning more than 5 lacs per annum by diversifying his farm activities**.**

Outcome: The famer is now successfully raising diverse crops and enterprises at his farm viz. Mushroom, Fish, Milk, Backyard Poultry, Maize, Wheat, Paddy, Vermicompost and vegetables at his farm. Fish is being reared in the water harvesting tank and excess water is being used to raise vegetables on an area of 0.2 hectares. He is also producing seed of wheat var. HS-490 and is selling the same to other farmers of the area thereby replacing the old varieties and increasing the productivity o f h is fellow farmers. Number of milch animals has also been increased

and recently he has installed a bio-gas plant at his farm and all the fuel consumption in his kitchen is met out by this gas.
Sr. Amreek Singh has won District level Progressive Farmer Award.

Impact : The farmer has became the source of inspiration for other farmers and 4 more farmers of the area have started harvesting the stream water in small ponds and started vegetable cultivation, mushroom cultivation and backyard poultry at their farm therby increasing their annual income besides providing employment round the year. He is now working as Farmer Friend of KVK and is also Member of Scientific Advisory Committee of KVK, Poonch.

PHOTOGRAPHS OF DIVERSIFIED AGRICULTURE

Annexure-III

Cases of large scale adoption