PROFORMA FOR ANNUAL REPORT 2016-17

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK Srinagar (Narkura	Office	FAX	
	9419079152	-	kvksrinagar@hotmail.com

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

Address	Telephone		E mail
	Office	FAX	
Sher- e- Kashmir University of Agricultural Sciences and Technology of Kashmir	0194-461258	0194-461260	skuast.ac.in dee skuast-k@gmail.com

1.3. Name of the Programme Coordinator with phone, mobile No & e-mail

Name	Telephone / Contact		
Dr. Rekhi Singh	Residence	Mobile	Email
	Green View Colony Alochi Bagh Srinagar	9419078638	rekhiextension@gmail.com

1.4. Year of sanction: **2002-2003**

1.5. Staff Position (as on 31st March 2017)

Sl. No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obt.	Pay Band & Grade Pay (Rs.)	Present basic (Rs.)	Date of joining at present post	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. Rekhi Singh	52	Agri Extension	37400-67000	46000	August 2016	Permanent	Others
2	Subject Matter Specialist	Dr. Asima Amin	33	Vegetable Science	15600-39100	27170	October 2013	Permanent	Others
3	Subject Matter Specialist	Dr. Shabeena Qureshi	38	Horticulture	15600-39100	32850	April-2007	Permanent	Others
4	Subject Matter Specialist	Dr. Ruksana Majid	32	Veterinary Sciences	15600-39100	23590	July 2013	Permanent	Others
5	Subject Matter Specialist	Mrs. Bhinish Shakeel	38	Home Science	15600-39100	26590	August 2010	Permanent	Others
6	Subject Matter Specialist	Dr. Uzma Bashir	41	Soil Science	15600-39100	32610	January 2017	Permanent	Others
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-
8	Programme Assistant	Mr. Mohd Ashraf Mir	53	Entomology	9300-34800	25670	Sept-2007	Permanent	Others
9	Computer Programmer	Mr. Yasir Arfat Bhat	39	I.T	9300-34800	18180	February 2012	Permanent	Others

10	Farm Manager	Mr. Jalal-u-Din	54	BSc Agri.	9300-34800	23660	July 2012	Permanent	Others
11	Accountant / Superintendent	Ms. Firdousa	54	B.A	9300-34800	20560	November 2016	Permanent	Others
12	Stenographer	Mr. Gh. Mohd. Mir		BSc.	9300-34800	17120	February 2014	Permanent	Others
13	Driver	Mr. Ab. Majeed	49	Matric	9300-34800	19720	January 2017	Permanent	Others
14	Driver	Vacant	-	-	-	-	-	-	-
15	Supporting staff	Mr. Javid Ahmad Chopan	32	-	4440-7440	7680	July-2007	Permanent	Others
16	Supporting staff	Mr. Ali Mohd Bhat	38	-	4440-7440	6680	July-2007	Permanent	Others

1.6. Total land with KVK (in ha)
:

S. No.	Item	Area (ha)
1	Under Buildings	0.1
2.	Under Demonstration Units	0.1
3.	Under Crops	0.16
4.	Orchard/Agro-forestry	-
5.	Others (Wetland)	19.08

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	-	-	-	-	250	Completed
2.	Farmers Hostel							
3.	Staff Quarters							
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units							
	1. Livestock 1	ICAR	-	-	-	-	160	Completed
	2. Livestock 2	ICAR	-	-	-	-	160	Completed
	3							
	4							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	2004	4,85,000	219000	Fair (Needs repair off & on)

C) Equipments including Tractor & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
U.P.S	29-03-2003	9500.00	Working
Gas Heater	29-03-2003	7872.00	Working
Printer	31-03-2003	15200.00	Working
Officers Table	07-07-2003	9419.00	Working
Photo Copier	17-03-2004	64083.00	Working
Altimeter	24-03-2004	6744.00	Working
Wipro Computer	26-03-2004	43659.00	Working
Digital Camcorder	27-03-2004	45000.00	Working
Printer	March-2005	7800.00	Working
Chemical Balance	March-2005	97000.00	Working
Water distillation Still	March-2005	94900.00	Working
Conductivity Meter	March-2005	5500.00	Working
Grinder	March-2005	12390.00	Working
Kjelda Distillation and igestion Combined Unit	March-2005	12510.00	Working
Computer System HCL & WIPRO Make	March-2005	75000.00	Working
Refrigerator (Whirlpool)	March-2005	10650.00	Working
Refrigerator (Haier)	March-2005	9200.00	Working
Shaker	March-2005	13680.00	Working
Oven	March-2005	19800.00	Working
Flame Photometer	March-2005	34725.00	Working
Bataloni Gas Heater	March-2005	15600.00	Working
PH Meter	March-2005	10430.00	Working
Hot Plate	March-2005	10440.00	Working
Kjeplus Automatic Digestion	March-2005	50720.00	Working
Glass Distillation System	March-2005	5800.00	Working
Generator set	March-2005	43028.00	Working
Stabilizer	March-2005	6430.00	Working
Sofa Set	March-2005	15288.00	Working
Physical Balance	March-2005	8700.00	Working
Conductivity Bridge	March-2005	5500.00	Working
U.P.S 1KVA	March-2005	8200.00	Working
Typewriter	March-2005	10000.00	Working
Thresher	March-2005	68000.00	Working
Fax Machine	Oct- 2005	14062.00	-
Microscope	Nov- 2005	26200.00	Working
Diesel Engine with Accessories	March-2006	326000.00	Working
HCL Computer with UPS	May-2007	40992.00	Working
Digital Camera	February-2007	17190.00	Working
Printer	May-2007	2950.00	Working
Water Motor	February-2009	3100.00	Working
PA wireless Amplifier and Microphone	March-2009	8,790.00	Working
Transformer (10KV)	March-2009	11,250.00	Working
LCD (Benq) Model 624 Lumen 3000x	March -2010	82125.00	Working
Manual Screen 84”x4.3	March -2010	7763.00	Working
Lasser Printer Sumsung ML -1640	March -2010	5694.00	Working
UPS (Luminous Line)	March -2010	5684.00	Working
Revolving Chair GB 411(Usha) 6 No.s	March -2010	27600.00	Working

Usha Sewing Machine (2 No's)	March -2010	6000.00	Working
HCL Laptop (01 No.)	March-2013	45000.00	Working
Brother Printer 3 in 1 (01 No.)	March 2015	16333.00	Working
HP Desktop Computer (02 No.)	February 2017	74059.00	Working
Brother Printer (02 No.)	February 2017	16560.00	Working
UPS (Intex) 02 No.	February 2017	11000.00	Working
Sony Digital Cyber shot Camera (02 No.)	February 2017	14900.00	Working
Xerox Machine Samsung (01 No)	February 2017	81614.00	Working
Stabilizer Transformer (01 No.)	February 2017	6500.00	Working
Trolleys (Hydraulic) (01 No.)	February 2017	160000.00	Working
LCD Project Screen (01 No.)	March-2017	14500.00	Working
Knap Sack Battery Operated (01 No.)	March-2017	5500.00	Working
Foot Sprayer (02 No.)	March-2017	4500.00	Working
Bush Cutter (01 No.)	March 2016	28500.00	Working
Lawn More	March 2016	6000.00	Working
Vacuum Cleaner	February 2017	8100.00	Working

1.8. A). Details SAC meeting* conducted in the year 2016-17

Sl. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1.	04-05-2017	**List attached**	-	At the outset of the meeting Hon'ble Vice-Chancellor interacted with the officers of the line department and progressive farmers & impressed upon the Programme Coordinator to take on board the officers of line department & Progressive farmers while formulating action plan for year 2017-18 and took feedback/ suggestions to strengthen & make the activities result oriented	
2.				The Hon'ble Chairman heard the suggestions from the stakeholders & also enquired about the intervention of FLD's of Kroiler Birds. The Programme Coordinator informed the house that the FLD is for popularization of breed among common masses	
				The Worthy Vice-Chancellor was apprised about that necessary measure taken for management of honey bee colonies in Kashmir during the winter and impressed upon to popularize the technology developed.	
				Regarding establishment of duckery unit at KVK Campus, the chairman was informed about the submission of proposal for large unit submitted to ZPD for financial encumbrance.	
				The chairman while enquiring about the OFT's on use of Boron for management of Cherry Cracking , the SMS concerned informed the house that the initial result of the application of Boron was good. But due to inclement weather during previous year, the desired results could not be obtained. The chairman directed for repetition of the OFT during current season.	
				The house directed for taking necessary measures about the management of kitchen waste in the Hostels of SKUAST-Kashmir while responding to the concern of the representatives from Horticulture department regarding the pollination problem in orchards of Apple and Almond, the chairman asked to popularize utilizing honey bee colonies in the orchards for	

				the purpose. The Chairman asked to popularize SKUAST-K released varieties of almond which are mid to late bloomer.	
				The Vice-Chancellor stressed Programme Coordinator for use of Bio pesticides in OFT's/ FLD's.	
				The house also directed to involve line departments/farmers in laying FLD's and inform about the progress made. The Programme Coordinator while responding told the house that AEO's and other functionaries at local level are contacted.	
				The representative from Sheep Husbandry department requested for considering the small ruminant sector in the forth coming action plan activities as the same has been ignored in the agenda item. The Vice-Chancellor directed to take steps for purpose.	
				Regarding the floriculture sector, the chairman directed for strengthening of floriculture sector & provided the expertise by the SKUAST-K & Stressed for bulk production of flowers in the valley.	
				Regarding value added products viz; Muraba, Pickles Jam etc. the house asked to popularize the products at local level & create self help groups for managing soft loan from banks for respectable livelihood.	
				The house asked the Programme Coordinator to initiate a process of training at food technology centre, SKUAST-Shalimar for involving local unemployed youth for employment generation.	
				The chairman sought information about the targets and achievement of soil sampling.	
				he chairman while discussing on the issue of judicious use of land in Srinagar city, stressed for promoting the kitchen gardening/Pot culture/floriculture & vermin composting for low cost fertilizer.	
				The representative from AH department suggested for development of back yard sheep rearing, utilizing vegetable and kitchen waste	
				The Chairman interacted with the progressive farmer who in his address requested to take initiative in developing the farm friendly atmosphere and involve the youth in the farming profession	

List of participants who attended SAC Meeting of KVK Srinagar held on 04-05-2017

S. No	Name of the participants	Designation
1.	Dr. Nazeer Ahamad	Hon'ble Vice-Chancellor
2.	Dr. Mushtaq Ahamad	Director Extension SKUAST-K
3.	Dr. Rekhi Singh	Programme Coordinator
4.	Dr. Syed Mohd Andrabi	Poultry Dev Officer
5.	Mr. Mohd Afzal Shah	Lead District Manager
6.	Dr. Sheikh Muzaffar Ahamad	Associate Director Ext (Agri)
7.	Mr. Parvaiz Ahamad Bhat	SVC
8.	Dr. Uzma Bashir	SMS
9.	Dr. Shabeena Majid	SMS
10.	Dr. Asima Amin	SMS
11.	Mrs Saima Paul	SMS
12.	Dr. Amal Sexana	SMS
13.	Mr. Mohd Amin Bhat	HDO
14.	Mr. Touseef Ah. Bhat	AFO
15.	Ms. Shameema	Farmer
16.	Ms. Nahida Nabi	Entrepreneur
17.	Mr.Wajida Tabasum Gurkoo	Chairman Royal Products
18.	Ms. Rukaya Rashid	Entrepreneur
19.	Mr. OC Sharma	Senior Scientist CITH
20.	Mr. Altaf Hussain	SMS
21.	Dr. Riaz Rasool	District Sheep Husb. Officer
22.	Mr. Arif Ahamad	`Soil Conservation officer
23.	Mr. Qazi Ahamad	Zonal Soil Conservation officer
24.	Ms. Gulshan	Farmer
25.	Mr. Khazir Mohammad	PSO
26.	Mr. Mohd Ashraf Mir	PA
27.	Mr. Jalal u din Peer	PA
28.	Mr. Gh. Mohd Mir	PA
29.	Mr. Yasir Arfat Bhat	PA
30.	Ms. Irfana Bashir	Employee
31.	Mr. Gh Mohd Bhat	Employee
32.	Mr. Javid Ahamad Chopan	Employee
33.	Mr. Mushtaq Ahamad	Employee
34.	Mr. Ali Mohd Bhat	Employee
35.	Mr. Mohd Yosuf	Farmer
36.	Mr. Gh Hassan	Farmer
37.	Mr. Ab. Majid	Driver
38.	Mr. Gh. Nabi	Driver

2. DETAILS OF DISTRICT (2016-17)

Srinagar district, situated in the centre of Kashmir Valley, is surrounded by five districts. In the north it is flanked by Kargil and Ganderbal, in the South by Pulwama and in the north-west by Budgam. The average altitude is about 1600m amsl .The district with a population of around 13 Lakh, is spread over an area of 294 Sq. Kms. It comprises of 07 Tehsils/ towns viz; Srinagar North and Srinagar South, Central, Khanyar, Idgah, Chanapora, Natipora and Panthachowk, one block (Srinagar), besides 137 Revenue villages.

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

S. No	Farming system/enterprise	
1	Irrigated (borewell)	Horticulture, Vegetable
2	Irrigated (canal)	Paddy, Oilseed, Wheat, Pulses
3	Tank Irrigated	Vegetable and Horticulture
4	Rainfed	Pulses and Maize
5	Enterprises	Broiler and Dairy

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

S. No	Agro-climatic Zone	Characteristics
1.	Mid to high altitude temperate zone (JK-3)	District Srinagar has area of 294 sq.kms and is the smallest district of the state. District Srinagar falls under temperate zone as per the agro-climatic conditions. The precipitation is mainly in the form of snow in winter and rains/ hail in summer. Temperature varies from 5 ^{0}C in winter to max of 34^{0}C in summers and the average rainfall of the district is 585mm. Plain area constitute maximum of the total geographical area of the District. Rice and Maize are main crops of the district besides area under horticulture crops namely Apple, Pear, Cherry and Peach involve the major portion of total cultivated land. Among agronomic crops Maize is mostly grown as rain fed crop in Karewas.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Clay to clay loam Sandy loam	As per soil classification major soils in the district belong to Entisols followed by Inceptisols, Alfisols and Mollisols. They show varying degree of profile development from A-C to A-B-C profiles on steep slopes to piedmont plains, Karewas and broad valleys. The soil reaction ranges from acidic to slightly alkaline (ph 5.0 to 8.5) organic matter content is generally high.	5.328 1.332

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

S. No	Crop	Area (ha)	Production (Qtls)	Productivity (Qtls /ha)
1.	Fresh Fruit	5.66	19171	10000-12000
2.	Dry Fruit	1.78	1220	-
3.	Rice	2.511	0.587	6000
4.	Maize	0.101	0.059	4500
5.	Oilseed	0.434	0.588	1350
6.	Fodders	0.284	1.776	1200
7.	Pulses	0.073		800
8.	Wheat	0.003		4000

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
March-2016	6.26774	15.0613	2.74839	85.7097
April-2016	3.893333	18.71667	6.053333	87.66667
May-2016	2.05806	26.2903	9.75806	79.2581
June-2016	0.137931	30.43333	14.21667	73.26667
July 2016	3.464516	30.29032	16.60968	80.6129
August 2016	3.167742	27.3194	15.5613	86.3871
September 2016	0.403333	28.93333	11.08667	85.23333
October 2016	0.206452	24.82258	3.545161	82.35484
November 2016	0	16.03333	-1.4867	89.36667
December 206	0.129032	11.26452	-3.97742	93.96774
January 2017	9.367742	3.93871	-2.43548	93.32258
February 2017	7.057143	10.60714	0.096429	85.85714
March 2017	4.783871	14.82258	3.119355	80.29032

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

Category	Population	Production	Productivity
Cattle			
Crossbred	43166		
Indigenous			
Buffalo	33		
Sheep			
Crossbred	51646		
Indigenous			
Goats	10219		

Pigs	-		
Crossbred	-		
Indigenous	-		
Rabbits	-		
Poultry			
Hens	3990081		
Desi			
Improved			
Ducks			
Turkey and others			

Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Source: J & K Animal Husbandry Department Srinagar.

2.7 Details of Operational area / Villages (2016-17)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Srinagar	Srinagar (Zone Qamarwari)	Lawpora Mirgung Zainakote Khusipora Dandergah Noorbagh Palpora Kreshbal Soura Anachar Narkura Batmallo Bemina Gangbuk	Paddy, Mustard, Pulse, Vegetable Potato Sericulture Cattle	Paddy Blast, Water logging Non avaibility of quality seed Insect pests	Awareness about Blast, formation of cooperative societies. Vegetable seed production. Seed replacement. Collection of exotic vegetable. Area expansion under high value vegetable crops. Value addition of fruits and vegetables.
2.	Srinagar	Srinagar (Zone Brain)	Rajbagh Khonmoh A & B,Zevan Miskeenbagh Nayedyar Abnivpora Brain Dalgate Nishat Gupkar Khanyar S	Poultry Cattle Apple, Pear, Paddy Maize. Vegetables Saffron Almond Cherry Fisheries Naduru. Craft.	Collar rot, root rot, Papery bark, Blast brown spot, Non avaibility of quality seed Insect pests	Imparting Trainings on disease and nutrient management, Laying FLD's. Training and pruning of fruit trees. Integrated management of insect's pests. Vocational trainings on local craft

3	Srinagar	Srinagar (Zone Harwan)	Dhara Fakirgujri Shalimar Batapora Mulfaq Chatterhama Burzahama Gassu Telbal Khimber Tikke Sangrassi	Sheep Cattle Floriculture Paddy Strawberry Maize Pulses Apiculture Medicinal plants Pear, Vegetable, Apple Cherry,	Poor pruning and trainings, Low productivity, Root rot. Collar rot Pollination problem Rice blast Papery bark Traditional varieties	Awareness cum training on pruning and training, vocational training on disease management. Integrated nutrient and water management. Integrated disease and insect/pest management in horticulture crops. Commercial cultivation of floriculture crops
4	Srinagar	Srinagar (Zone Zakura)	Zakura, Gulab Bagh Ahmad Nagar Buchpora Mallbagh Saderbal Lalbazar Nigeen East Nigeen West Dargah	Apple Pomegranate Pear Quince Fishries Mushroom Sheep Medicinal plants Nadru Poultry	Collar rot root rot Papery Bark Anar butterfly	Imparting Trainings on disease management, Laying FLD's. Training and pruning. Integrated insect/pest management Cultivation of exotic vegetables. Commercial cultivation of floriculture crops. Pollination management of horticulture crops.
5	Srinagar	Srinagar (Zone Barzulla)	Barzulla Rambagh Solina Lalmandi Hyderpora Nowgam Rawalpora Channpora Bagi Mahtab Gogo Rangreth Humhama	Kitchen gardening Protected cultivation High density apple plantation Nutrition gardens Backyard poultry	Disease management, low productivity, seed problem. Less awareness about training and pruning	Imparting training on disease management, Awareness cum training on pruning and training. Dairy management, Cultivation of high value vegetables under protected conditions. Organic farming.

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Paddy and Vegetables	Seed replacement and Integrated Crop Management
Vegetable Crops	Introduction and popularizing of HYVs and INM
Temperate Fruit Crops Apple Strawberry	➢ Pollination improvement and scientific Training and pruning in Apple. ➢ High density apple plantation. ➢ Crop Diversification with emphasis on crops like strawberry. ➢ IDM, INM and promotion of use of organics, micro nutrients, and on-farm nutrient cycling
Vegetables Vegetables Lettuce, Broccoli Vegetables and Fruit crops	➢ Development of Peri-urban agriculture ➢ Off-season vegetable cultivation and cultivation under protected conditions. ➢ Exotic vegetable cultivation. ➢ Nutrition Kitchen gardening.

Poultry and Dairy	Promotion and Scientific management of livestock and poultry farming.
Home Science Capacity Building Capacity Building Home Science	❖ Child and women care and awareness on balanced nutrition in backward areas of the district. ❖ Capacity building of rural women and Fisherwomen. ❖ Self help group formation of skilled women. ❖ Vocational training.
Capacity Building	Emphasis on Agro-based Income generating activities for mitigation of rural unemployment.
Soil and Water Conservation Soil and Water Conservation	➢ Awareness on Natural Resource conservation, environmental protection and efficient resource management. ➢ Special emphasis on Dal and Anchar Lakes and Hill areas.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2016-17

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
03	02	07	05	-	23.95 ha	-	117

3.A.1 FLDs Conducted under CFLDs on Oilseed

FLD (Oilseeds)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
20 ha	20 ha	-	50

3. A.2 FLDs Conducted under CFLDs on Pulses: Nil

FLD (Pulses)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
-	-	-	-

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	-	48	-	1123	-	251	-	5305
Rural youth								
Extn.								

Functionaries								

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	**Achievement**	**Target**	**Achievement**
-	Nil	-	Tomato: 2000 Seedlings
-		-	Brinjal: 1500 Seedlings
-		-	Chilli: 1500 Seedlings
-		-	Capsicum: 700 Seedlings
-		-	Bottelguard: 150 Plants
-		-	Cucumber: 100 Plants

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	***Achievement***	***Target***	***Achievement***
-	50 farmers (500No.)	-	Nil

3. B. Abstract of interventions undertaken:

S. No	*Thrust area*	*Crop/ Enterprise*	*Identified Problem*	*Interventions*										
				Title of OFT if any	*Title of FLD if any*	*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*

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	**02**	-	-	-	-	**02**
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	**01**	-	-	-	**01**
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value	-	-	-	-	-	-	-	-	-	-

addition										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	**02**	**01**	-	-	-	**03**

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

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

3.2. Achievements on technologies Assessed and Refined

3.2.1. 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	**Vegetables**	**Yield Performance of Different Varieties of Methi and Coriander**	**01**	**03**	**0.5 Marlas each**
Integrated Pest Management					
Integrated Crop Management	**Apple**	**Effect of Honey Bees in Yield of Apple**	**01**	**02**	**0.2 ha**
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming					

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			**02**	**05**	**0.5 Marlas each+02 ha**

3.2.2. Technologies Refined under various Crops: Nil

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					

3.2.3. Technologies assessed under Livestock and other enterprises: Nil

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				

3.2.4. Technologies Refined under Livestock and other enterprises: Nil

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				

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

A. <u>Technology Assessment</u>

On Farm Trial – 1

1	Title	Effect of honey bees on yield of Apple.
2	Problem Diagnose/defined	Low yield and poor fruit set
3	Details of technologies selected for assessment/refinement	Placement of bee hives
4	Source of technology	SKUAST-K
5	Production system thematic area	Fruit Production
6	Thematic area	Fruit Production
7	Performance of the Technology with performance indicators	Yield
8	Final recommendation for micro level situation	Avoid pesticide application and keep bees warm
9	Constraints identified and feedback for research	Low temperature hinders bee activity.
10	Process of farmer's participation and their reaction	The farmers participated actively and highly appreciated usage of bee hives in orchards.

Results of On Farm Trial – 1

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Apple (Red delicious)	Rainfed	Poor Fruit Set	Effect of honey bees on yield of Apple.	02	SKUAST-Kashmir	Yield per tree	100 Kgs/tree 125 Kgs/tree 140 Kgs/tree	Table given	Highly satisfied

Technology Assessed	Production per unit
11	12
T1: Farmer Practice	100 Kgs/tree
T2: 04 bee hives/ha	125 Kgs/tree
T3: 06bee hives/ha	140 Kgs/tree

On Farm Trial – 2

1	Title	Yield performance of different varieties of Methi and Coriander
2	Problem Diagnose/defined	Low yield
3	Details of technologies selected for assessment/refinement	**Methi:** T1: Local T2: Shalimar Improved **Coriander :** T1: Local T2: SHDH-1
4	Source of technology	SKUAST-K
5	Production system thematic area	Crop Production
6	Thematic area	Crop Production
7	Performance of the Technology with performance indicators	Shalimar improved varieties of Methi has higher yield of 120 q/ha than local (71 q/ha) SHDH-1 variety of Coriander has higher yield of 71. 12 q/ha than local variety (55 q/ha)
8	Final recommendation for micro level situation	Soil should be well drained loamy rich in organic matter
9	Constraints identified and feedback for research	Satisfactory
10	Process of farmer's participation and their reaction	Active participation of farmers. The farmers were highly satisfied with the results.

Results of On Farm Trial – 2
Varietal Evaluation of Methi and Coriander

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Vegetable (Methi & Coriander)	Irrigated	Low yield	Yield performance of different varieties of Methi and Coriander	03	SKUAST-Kashmir	Table given below			Satisfied

Yield data: q/ha

	Methi		Coriander	
Location	**Shalimar Improved**	**Local**	**SHDH-1**	**Local**
Narkura	118.50	75.00	71.00	55.00
Baghat Barzulla	119.00	59.00	70.00	51.00
Telbel	121.00	78.00	72.35	59.00

Adaptive Research Trial 3: Varietal Assessment of different varieties of Okra

Varietal Assessment of different varieties of Okra	02	Low Yield	T1- Pusa sawani T2- SKBS-11	Crop Production **Parameters:** 1. Plant height 2. No. of branches/plant 3. Pod length (cm) 4. Pod diameter (cm) 5. No. of pods/plant 6. Pod weight (g) 7. Yield (kg/plot)

S. No	Variety	Plant Height (cm)
01	Pusa sawani	177.64
02	SKBS-11	233.34

*Could not be completed because of unrest and will be repeated during current year.

PART 4 - FRONTLINE DEMONSTRATIONS

4.A. Summary of FLDs implemented during 2016-17

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	OBC	Others	Total	
	Oilseeds	**Rabi**	**2015-16**	**Brown Sarson**	**KS-101**	**-**	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**02**	**-**	**-**	**21**	**21**	
	Pulses														
	Cereals	**Kharief**	**2016**	**Paddy**	**Jehlum**	-	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**12.5**	**05**	**-**	**40**	**45**	
	Millets														
	Vegetables														
	Flowers														
	Fruit														
	Spices and condiments														
	Commercial														
	Medicinal and aromatic														
	Fodder	**Rabi**	**2015-16**	**Oats**	**Sabzar**	**-**	**Demonstration**	**INM and IDM**	**-**	**9.4**	**20**	**-**	**27**	**47**	
	Dairy														

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*	*OBC*	*Others*	*Total*	
	Poultry	**Kharief**	**2016**	**Poultry Birds**	**Krioler**	**-**	**-**	**-**	**-**	**500**	**15**	**-**	**35**	**50**	**-**
	Piggery														
	Sheep and goat														
	Button mushroom														
	Vermicompost														
	IFS														
	Apiculture														
	Implements														
	Others (specify)														

4.A. 1. Soil fertility status of FLDs plots during 2016-17

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	**Irrigated**	**Rabi.2015-16**	**Brown Sarson**	**KS-101**	**-**	**Varietal Adoptability**	**INM and Line Sowing**	**150**	**11.0**	**150**	**Paddy**
	Pulses											
	Cereals	**Irrigated**	**Kharief 2016**	**Paddy**	**Jehlum**	**-**	**Varietal Adoptability**	**INM and Line Sowing**	**158**	**12.1**	**164**	**Mustard**
	Millets											
	Vegetables											
	Flowers											
	Fruit											
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder	**Rabi**	**Rabi 2015-16**	**Oats**	**Sabzar**	**-**	**Varietal Adoptability**	**INM and Line Sowing**	**152**	**12.8**	**169**	**Maize**
	Plantation											
	Dairy											
	Poultry	**Kharief**	**Kharief 2016**	**Poultry Birds**	**Krioler**	**-**	**Varietal**	**Demontration**	**-**	**-**	**-**	**-**

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*	
							Adoptability					
	Piggery											
	Sheep and goat											
	Button mushroom											
	Vermicompost											
	IFS											
	Apiculture											
	Implements											
	Others (specify)											

B. Results of Frontline Demonstrations

4. 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	**INM & IDM**	**KS-101**	**-**	**Irrigated**	21	02	16.60	11.25	13.93	9.61	32.00	35000	55720	20720	1.6:1	30000	38400	8400	12:1
Pulses																			
Cereals	**IDM and INM and Line Sowing**	**Jehlum**	**-**	**Irrigated**	45	12.5	83.50	61.00	72.25	49.60	31.35	96000	146000	50000	1.5:1	80000	99200	19200	1.2:1
Millets																			
Vegetables																			
Flowers																			
Fruit																			
Spices and condiments																			
Commercial																			

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										
Medicinal and aromatic																			
Fodder	**IDM and INM**	**Sabzar**	-	**Rainfed**	47	9.4	19.45	15.55	17.00	12.00	29.40	40000	68000	28000	1.7:1	35000	48000	13000	1.37:1

* 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.): Nil

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

4.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																	
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***

3. 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																	
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***

4.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										
Button mushroom																	
Vermicompost																	
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***
Blast Tolerance (%) Maturity days	Disease incidence: 0 %	Disease incidence: 30%

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

Sl.No.	***Activity***	***No. of activities organised***	***Number of participants***	***Remarks***
1	Field days	03	172	Field days were organized on scientific cultivation of Paddy and Brown Sarson
2	Farmers Training	06	225	Trainings were conducted on different managemental practices of particular crops
3	Media coverage	2	0	Management of different practices including IDM, INM etc
4	Training for extension functionaries	02	65	
5	Others (Please specify)	-	-	

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

A) **ON Campus**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	01	25	12	37	-	-	-	25	12	37
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										

Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	01	23	-	23	-	-	-	23	-	23
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management	01	24	-	24	-	-	-	24	-	24
Soil and Water Conservation										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										

Feed management										
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	01	-	24	24	-	-	-	-	24	24
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio										

control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets	01	35	-	35	-	-	-	35	-	35
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial										

development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL										
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production	01	20	-	20	-	-	-	20	-	20
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	01	-	10	10	-	-	-	-	10	10
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest	01	22	-	22	-	-	-	22	-	22

Technology										
Tailoring and Stitching										
Rural Crafts	01	-	23	23	-	-	-	-	23	23
TOTAL	**09**	**149**	**69**	**218**	**-**	**-**	**-**	**149**	**69**	**218**
(C) Extension Personnel										
Productivity enhancement in field crops	01	23	-	23	-	-	-	23	-	23
Integrated Pest Management	01	24	-	24	-	-	-	24	-	24
Integrated Nutrient management	01	26	-	26	-	-	-	26	-	26
Rejuvenation of old orchards										
Protected cultivation technology	02	49	-	49	-	-	-	49	-	49
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	**05**	**122**	**-**	**122**	**-**	**-**	**-**	**122**	**-**	**122**

B) **OFF Campus**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	01	-	-	-	22	-	22	22	-	22

Integrated Farming	02	47	-	47	-	-	-	47	-	47
Water management										
Seed production										
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising	01	15	10	25	-	-	-	15	10	25
Exotic vegetables like Broccoli										
Export potential vegetables	03	60	12	72	-	-	-	60	12	72
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	02	10	04	14	20	05	25	30	09	39
b) Fruits										
Training and Pruning	01	20	10	30	22	17	39	42	37	69
Layout and Management of Orchards	01	-	35	35	-	-	-	-	35	35
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	01	-	-	-	10	13	23	10	13	23
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management										

technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management	01	24	0	24	-	-	-	24	0	24
Soil and Water Conservation										
Integrated Nutrient Management	02	23	-	23	25	-	25	47	-	47
Production and use of organic inputs										
Management of Problematic soils	01	10	08	18	-	-	-	10	08	18
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high										

nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Income generation activities for empowerment of rural Women	01	-	24	24	-	-	-	-	24	24
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
VII Plant Protection										
Integrated Pest Management	04	81	09	90	-	-	-	81	09	90
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										

Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	01	15	08	23	-	-	-	15	08	23
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**22**	**305**	**120**	**425**	**99**	**35**	**134**	**404**	**155**	**559**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										

Seed production										
Production of organic inputs										
Integrated Farming	01	20	-	20	-	-	-	20	-	20
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops	01	-	-	-	15	08	23	15	08	23
Commercial fruit production	01	-	-	-	20	05	25	20	05	25
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards	01	18	06	24	-	-	-	18	06	24
Value addition	03	-	39	39	10	12	22	20	36	56
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL	**07**	**38**	**45**	**83**	**45**	**25**	**70**	**83**	**70**	**153**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old										

orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	-	-	-	-	-	-	-	-	-	-

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	01	-	-	-	22	-	22	22	-	22
Integrated Farming	02	47	-	47	-	-	-	47	-	47
Water management										
Seed production										
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value	01	25	12	37	-	-	-	25	12	37

crops										
Off-season vegetables										
Nursery raising	01	15	10	25	-	-	-	15	10	25
Exotic vegetables like Broccoli										
Export potential vegetables	03	60	12	72	-	-	-	60	12	72
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	02	10	04	14	20	05	25	30	09	39
b) Fruits										
Training and Pruning	01	20	10	30	22	17	39	42	27	69
Layout and Management of Orchards	01	-	35	35	-	-	-	-	35	35
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	02	23	-	23	10	13	23	33	13	46
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management										

technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management	02	48	-	48	-	-	-	48	-	48
Soil and Water Conservation										
Integrated Nutrient Management	02	23	-	23	25	-	25	47	-	47
Production and use of organic inputs										
Management of Problematic soils	01	10	08	18	-	-	-	10	08	18
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	01	-	24	24	-	-	-	-	24	24
Income generation activities for empowerment of rural Women	01	-	24	24	-	-	-	-	24	24

Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
VII Plant Protection										
Integrated Pest Management	04	81	09	90	-	-	-	81	09	90
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										

Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	01	15	08	23	-	-	-	15	08	23
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets	01	35	-	35	-	-	-	35	-	35
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL										
(B) RURAL YOUTH	**27**	**412**	**156**	**568**	**109**	**35**	**144**	**521**	**191**	**712**
Mushroom Production										
Bee-keeping										
Integrated farming	01	20	-	20	-	-	-	20	-	20
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops	01	-	-	-	15	08	23	15	08	23
Commercial fruit production	02	20	-	20	20	05	25	40	05	45
Repair and maintenance of farm										

machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards	01	18	06	24	-	-	-	18	06	24
Value addition	04	-	49	49	10	12	22	10	61	71
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology	01	22	-	22	-	-	-	22	-	22
Tailoring and Stitching										
Rural Crafts	01	-	23	23	-	-	-	-	23	23
TOTAL	**11**	**80**	**78**	**158**	**45**	**25**	**70**	**125**	**103**	**228**
(C) Extension Personnel										
Productivity enhancement in field crops	01	23	-	23	-	-	-	23	-	23
Integrated Pest Management	01	24	-	24	-	-	-	24	-	24
Integrated Nutrient management	01	26	-	26	-	-	-	26	-	26
Rejuvenation of old orchards										
Protected cultivation technology	02	49	-	49	-	-	-	49	-	49
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										

WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	**05**	**122**	**-**	**122**	**-**	**-**	**-**	**122**	**-**	**122**

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

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants (Other)			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
02-03-2016	Progressive Farmer	Scientific Cultivation of Potato	Crop Production	Scientific Management	03	Off Campus	20	06	26	0	0	0	20	06	26
12-05-2016	Progressive Farmer	Scientific Cultivation of Beans	Crop Production	INM	03	Off Campus	16	06	22	0	0	0	16	06	22
04-05-2016	Progressive Farmer	Production Technology of Sweet Corn	Crop Production	INM	03	Off Campus	0	0	0	22	0	22	22	0	22
13-10-2016	Progressive Farmer	Scientific Cultivation of Oilseeds	Crop Production	INM	03	Off Campus	24	0	24	0	0	0	24	0	24
20-10-2016	Progressive Farmer	Scientific Cultivation of Oats	Crop Production	INM	03	Off Campus	23	0	23	0	0	0	23	0	23
10-03-2016	Progressive Farmer	Importance of HMO's for Management of Sanjose Scale & European Red Mite	Crop Protection	IDM	03	Off Campus	26	0	26	0	0	0	26	0	26
27-04-2016	Progressive Farmer	Management of Cutworm	Crop Protection	IDM	03	Off Campus	25	0	25	0	0	0	25	0	25
11-04-2016	Progressive Farmer	Safe handling of Pesticides	Crop Protection	IDM	03	Off Campus	20	04	24	0	0	0	20	04	24
17-06-2016	Progressive Farmer	Management of Brinjal and Tomato Fruit Borer	Crop Protection	IDM	03	Off Campus	10	05	15	0	0	0	10	05	15
18-04-2016	Rural Youth	Role of Pollilizers and Pollinators in Fruit Plants	Horticulture Production	Crop Management	03	Off Campus	0	0	0	20	05	25	20	05	25
10-06-2016	Progressive Farmer	Pollination Management in Cucurbits	Horticulture Production	Crop Management	03	Off Campus	0	0	0	10	09	19	10	09	19
14-06-2016	Rural Youth	Preservation of Seasonal Fruits	Horticulture Production	Value Addition	03	Off Campus	0	0	0	10	12	22	10	12	22

14-11-2016	Progressive Farmer	Training and Pruning	Horticulture Production	Training & Pruning	03	Off Campus	20	10	30	22	17	39	42	27	69
01-12-2016	Rural Youth	Practical Demonstration on Training and Pruning of Fruit Crops	Horticulture Production	Training & Pruning	03	Off Campus	18	06	24	0	0	0	18	06	24
16-01-2017	Progressive Farmer	Scientific Layout of Orchards	Horticulture Production	Orchard Management	03	Off Campus	35	0	35	0	0	0	35	0	35
	Rural Youth	Orchard Sanitation	Horticulture Production	Horticulture Management	03	On Campus	20	0	20	0	0	0	20	0	20
30-03-2016	Farm Women	Layout of Kitchen Garden	Vegetable Production	Crop Diversification	03	Off Campus	15	10	25	0	0	0	15	10	25
27-04-2016	Progressive Farmer	Scientific Cultivation of Solanacious Vegetables	Vegetable Production	Crop Diversification	03	Off Campus	24	0	24	0	0	0	24	0	24
29-04-2016	Rural Youth	Preservation of Vegetables	Vegetable Production	Value Addition	03	On Campus	0	10	10	0	0	0	0	10	10
18-05-2016	Rural Youth	Transplanting of Solanaceous Vegetables	Vegetable Production	Management Technology	03	Off Campus	0	0	0	15	08	23	15	08	23
17-01-2017	Progressive Farmer	Latest Techniques and Early Raising of Vegetable Seedlings under Protected Conditions	Vegetable Production	Off Season Vegetable Cultivation	03	Off Campus	10	04	14	0	0	0	10	04	14
12-01-2017	Rural Girls	Scientific Cultivation of Methi and Coriander	Vegetable Production	Crop Diversification	03	On Campus	25	12	37	0	0	0	25	12	37
27-04-2016	Progressive Farmer	Importance of Sol Test based Fertilizer Application	Soil Science	INM	03	Off Campus	23	0	23	0	0	0	23	0	23
26-04-2016	Progressive Farmer	Importance of Soil Testing and Demonstration of Soil Sampling	Soil Science	INM	03	On Campus	24	0	24	0	0	0	24	0	24
29-04-2016	Progressive Farmer	INM in rainfed Maize at high Altitude of	Soil Science	INM	03	Off Campus	0	0	0	25	0	25	25	0	25

		District Srinagar													
31-05-2016	Progressive Farmer	Soil Quality Enhancement of Intensively Cultivated Maize Fields	Soil Science	INM	03	Off Campus	24	0	24	0	0	0	24	0	24
08-06-2016	Progressive Farmer	Practices for Improvement of Soil Health in Orchards	Soil Science	INM and IDM	03	Off Campus	10	08	18	0	0	0	10	08	18
26-10-2016	Progressive Farmer	Integrated Nutrient Management in Oats	Soil Science	INM	03	Off Campus	23	0	23	0	0	0	23	0	23
10-01-2017	Progressive Farmer	Production of Vermi-compost on Commercial Scale	Soil Science	INM	03	Off Campus	15	08	23	0	0	0	15	08	23
27-05-2016	Progressive Farmer	Cultivation of Cutflowers under Green House Conditions	Floriculture	Propagation Techniques in Ornamental Plants	03	Off Campus	0	0	0	10	13	23	10	13	23
22-11-2016	Rural Youth	Flower Arrangement	Floriculture	Ornamental Plant Management	03	On Campus	22	0	22	0	0	0	22	0	22
26-03-2017	Progressive Farmer	Awareness Programme on Flower Production in Collaboration with Department of Floriculture	Floriculture	Propagation Techniques in Ornamental Plants	03	On Campus	23	0	23	0	0	0	23	0	23
19-05-2016	Rural Girls	Decoration out of Waste	Home Science	Decoration/ Design	03	Off Campus	0	15	15	0	0	0	0	15	15
19-05-2016	Farm Women	Decoration out of Waste	Home Science	Decoration/ Design	03	Off Campus	0	24	24	0	0	0	0	24	24
10-06-2016	Rural Girls	Value addition of Strawberry	Home Science	Value addition	03	Off Campus	0	24	24	0	0	0	0	24	24
17-12-2016	Farm Women	Preservation of Fruit and Vegetables (Murabba, Garlic	Home Science	Value addition	03	On Campus	0	24	24	0	0	0	0	24	24

		Preserve, Apple Jam, Mixed Pickle)													
08-12-2016	Progressive Farmer	Management of Honey Bees in collaboration with Division of Entomology	Apiculture	Apiculture	03	On Campus	35	0	35	0	0	0	35	0	35
30-06-2016	Rural Youth	Apiculture as an Enterprise	Apiculture	Apiculture	03	Off Campus	0	0	0	21	0	21	21	0	21
10-06-2016	Rural Girls	New Weaving Technique with Modular Charka	Capacity Building	Skill Development	03	Off Campus	0	0	0	0	29	29	0	29	29
14-01-2017	Rural Girls	Vocational Training Programme on Formal Decoration (Home & Office)	Capacity Building	Decoration/ Design	03	On Campus	0	23	23	0	0	0	0	23	23
28-04-2016	Field Functionary	Apple Spray Schedule 2016 and its Importance	Horticulture Production	Spray Schedule	03	On Campus	24	0	24	0	0	0	24	0	24
18-05-2016	Field Functionary	Scientific Cocoon Production on 18-05-2016	Sericulture	Skill Development	03	Off Campus	0	0	0	25	0	25	25	0	25
22-06-2016	Field Functionary	Awareness Programme on Drip Irrigation of HDP	Horticulture Production	Horticulture Management	03	On Campus	27	0	27	0	0	0	27	0	27
22-02-2016	Field Functionary	Importance of Soil Health in Sustainable Crop Production	Crop Production	INM	03	On Campus	26	0	26	0	0	0	26	0	26
18-01-2017	Field Functionary	Importance of Soil Health in Sustainable Crop Production	Crop Production	INM	03	On Campus	22	0	22	0	0	0	22	0	22
30-03-2017	Field Functionary	Importance of Pollination in Fruit Crops	Horticulture Production	Horticulture Management	03	On Campus	23	0	23	0	0	0	23	0	23

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Decoration	13-01-2017	Formal Decoration	SDP	15	-	23	23	-	01	02	Primary School Teacher
Decoration	13-04-2016	Decoration out of waste	SDP	15	0	15	15	-	01	-	-

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes conducted by KVK

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
01	10-06-2016	Weaving New Techniques with Modular Charka	Home Science	Skill Development	10	RY	01	0	0	0	0	29	29	0	29	29	Deptt. Of Vety-Science	-
02	11th - 13th of March 2016	Preservation of fruit & Veg.	do	Value addition	10	PF	01	0	0	0	03	35	35	03	35	35	Hort. Deptt.	-
Total					**20**		**02**	**0**	**0**	**0**	**03**	**64**	**64**	**03**	**64**	**64**	-	-

(F) Skill Development Training under ASCI Conducted by selected KVKs

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/ RY/EF)	No. of courses	No. of Participants								
								Others			SC/ST			Total		
								M	F	Total	M	F	Total	M	F	Total
01	14-11-2016	Training and Pruning	Horticulture	Horticulture Production	03	PF	01	24	0	24	0	0	0	24	0	24
02	20-06-2016	Value Addition of Strawberry	Home Science	Value addition	15	RY	01	0	0	0	24	0	24	24	0	24
Total					18		02	24	0	24	24	0	24	48	0	48

6. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Topic /Crop	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Field Day	Brown Sarson	01	23	05	28	02	04	06	02	01	0	27	10	37
2.	Field Day	Brown Sarson	01	15	04	19	0	0	0	02	01	03	19	03	22
3.	Field day		0	0	0	0	0	0	0	0	0	0	0	0	0
	Total		**02**	**38**	**09**	**47**	**02**	**04**	**06**	**04**	**02**	**03**	**46**	**13**	**59**
4.	Kisan Mela		01	110	15	125	35	09	44	05	01	06	150	25	175
5.	Kisan Mela		0	0	0	0	0	0	0	0	0	0	0	0	0

	Total		**01**	**110**	**15**	**125**	**35**	**09**	**44**	**05**	**01**	**06**	**150**	**25**	**175**
6.	Kisan Ghosthi		0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Exhibition		02	225	60	285	101	30	131	10	04	14	336	94	430
8.	Film Show		20	202	80	282	80	25	105	09	05	14	291	110	401
9.	Method Demonstrations		16	155	70	225	50	30	80	30	18	48	235	118	353
10.	Farmers Seminar		0	0	0	0	0	0	0	0	0	0	0	0	0
11.	Workshop		01	0	0	0	0	0	0	0	0	0	0	0	0
12.	Group meetings		0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Lectures delivered as resource persons		16	305	75	380	45	15	60	10	07	17	360	97	457
14.	Newspaper coverage		05	0	0	0	0	0	0	0	0	0	0	0	0
15.	Radio talks		08	0	0	0	0	0	0	0	0	0	0	0	0
16.	TV talks		18	0	0	0	0	0	0	0	0	0	0	0	0
17.	Popular articles		01	0	0	0	0	0	0	0	0	0	0	0	0
18.	Extension Literature		05	330	175	505	64	23	87	06	05	11	400	203	603
19.	Advisory Services		08	225	125	350	75	50	125	05	05	10	305	180	485
20.	Scientific visit to farmers field		109	210	155	365	50	48	98	0	0	0	260	203	463
21.	Farmers visit to KVK		0	215	160	375	60	26	86	0	0	0	275	186	461
22.	Diagnostic visits		22	55	25	80	25	20	45	0	0	0	80	45	125
23.	Exposure visits		02	245	40	285	90	45	135	0	0	0	335	85	420
24.	Ex-trainees Sammelan		0	0	0	0	0	0	0	0	0	0	0	0	0
25.	Soil health Camp	05-12-16	01	40	20	60	20	20	40	0	0	0	60	40	100
26.	Animal Health Camp		02	55	20	75	20	10	30	09	09	18	84	39	123
27.	Agri mobile clinic		0	0	0	0	0	0	0	0	0	0	0	0	0
28.	Soil test campaigns		06	45	30	75	15	15	30	0	0	0	60	45	105
29.	Farm Science Club Conveners meet		0	0	0	0	0	0	0	0	0	0	0	0	0
30.	Self Help Group Conveners meetings		0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Mahila Mandals Conveners meetings		0	0	0	0	0	0	0	0	0	0	0	0	0
32.	Celebration of important days (specify)	29-05-16 Plantation day	01	15	10	25	10	10	20	0	0	0	25	20	45
33.	PMFBY	30-03-2017	01	85	25	110	60	40	110	0	0	0	145	65	210
34.	Sawachta Pakwada		02	20	20	40	10	06	16	0	0	0	30	26	56
	Grand Total		**251**	**2723**	**1138**	**3861**	**849**	**439**	**1298**	**97**	**59**	**150**	**3673**	**1632**	**5305**

6. B. Kisan Mobile Advisory Services

Kisan Mobile Advisory									
Name of the KVK	No. of farmers Covered	No. of Advisories Sent	Type of messages						
			Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Any other
Srinagar	485	08	03	02	01	01	01	-	-

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2016-17: Nil

No. of Technology week celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

7. Production and supply of Technological products

A) SEED MATERIALS: Nil

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
OILSEEDS					
PULSES					
VEGETABLES					
FLOWER CROPS					

OTHERS (Specify)					

*An example for guidance only

B) PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES	Tomato	Marglobe	2000		**110**
	Brinjal	Local Long	1500		**100**
	Chilli	Japanese Green Long	1500		**100**
	Capsicum	Nishat-1	700		**50**
	Bottelguard		150		**05**
	Cucumber		100		**04**
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

*An example for guidance only

C) BIO PRODUCTS: Nil

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
1						
2						
3						
4						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

D) LIVESTOCK: Nil

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

*** An example for guidance only**

PART 8 – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

8. 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	Comparative study on the working of low cost food warmer/ traditional technology (Abstract)	Ponam Sharma Afshan Gul Tabassum Ara	-
	Innovation and popularization of low cost food warmer in Kashmir (Abstract)	Ponam Sharma Tabassum Ara Afshan Gul	-
	Avenues for women micro entrepreneurship development (Abstract)	Ponam Sharma Tabassum Ara Afshan Gul	-
	Efficacy of some horticultural mineral oils (HMO's) against *Quadraspidiotus perniciosus* (Comstock) in Kashmir.	M.A.Mir, R.K. Nehru Shabeena Majid, Jalaluddin	-
	Genetic studies involving metric traits in quality protein Maize (QPM) lines under temperate conditions.	Z.A.Dar, A.A.Lone M.A.Mir	-
	Efficacy of some horticultural mineral oils (HMO's) alone and in combination with some ovicidal acaricides against *panonychus ulmi* (Koch) in Kashmir	M.A.Mir, Saima Paul Asima Amin Shabeena Majid	-

	Heterosis for grain yield and its attributes in highland temperate maize germplasm.	Gower Ali, Z.A.Dar, M.A.Mir A.A. Lone.	-
Total	**07**		
Technical reports	-	-	-
Technical bulletins	-	-	-
Total	**-**	**-**	**-**
Popular articles	-	-	-
Training Manual	-	-	-
Total	-	-	-
Extension literature	-	-	-
Folders /leaflets	Training system of high density apple	Shabeena Majid Asima Amin	**100**
	Chawal Kay Pakwan	Saima Paul	**100**
	Pradhan Mantri Fasil Bhima Yojana Sarson Ki Kasht	Rekhi Singh, M.A. Mir, Jalaluddin Peer M.A. Mir, Jalauddin Peer	**100**
TOTAL	**10**	**-**	**300**

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
01	**DVD**	**Vermicomposting making out of kitchen waste**	**10**

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

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

Introduction: KVK Srinagar under mandate of popularizing newly released varieties of different crops made sincere efforts to popularize high yielding maize varieties at different locations of the District.

Intervention: Kendra introduced high yielding composite Maize varieties whose yield as well as straw quality was much better than the local varieties.

Output/Outcome: During the first year, the local farmers refused to sow the C-15 Maize variety and follow package of practices particularly a seed rate of 30 Kg/ha against 80-90 Kg/ha. As soon as the crop under demonstration matured a visible difference was seen in respect of cob size, No. of cobs, height of the plants and quality of the straw which gained interest in farmers of the locality. After the crop was harvested, average yield of more than

40 q/ha was recorded at different location in comparison to local varieties whose average yield is 20-25 q/ha.

Impact: 35% increase was recorded in the seed yield and 30-40% increase in straw plus the crop matures a week earlier than the local varieties.



Monitoring of Maize

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

Title: Cultivation of Off-Season Exotic Vegetables under Protected Conditions.

Introduction: Cultivation of off-season exotic vegetables was almost impossible for vegetable growers of the district. As we know vegetables play an important role in the balanced diet of human beings, besides providing energy. Vegetables ensure supply of vital protective nutrients like minerals and vitamins and are capable of producing more biomass. To boost vegetable production and enhance their availability, protected cultivation of vegetable is done. Off-season vegetable farming is the only viable option that can add value to the farmers produce. The tunnels offer protection to vegetable crops during winter. It offers maximum crop yield, better maintenance of the fertility of land, controlled temperature and humidity, protection from wild animals and insects & better water conservation.

Off-season cultivation of vegetables will not only bring high remuneration and better financial inclusion of farmers but also bridge the widening demand supply gap. On an average, the yield of vegetable crops could be 10-12 times higher than that of outdoor

cultivation. Off-season vegetable cultivation is no doubt a profitable approach and adopting such methods and structures can positively lend to better financial inclusion through increased profitability.

Intervention: Kendra introduced clutches of size 6*3 feet covered with polythene at different locations for early raising of off-season exotic vegetables so that farmers can fetch good price for their produce. Different exotic vegetable seeds of Orach, Beet Root, Swiss Chard, Parsley and Lettuce were sown earlier.

Outcome/Output: Exotic vegetables grown under protected conditions matures early with high germination %. The germination was more than 90 % as compared to the seed sown under open conditions whose germination was less than 50%. Cultivation of exotic vegetables fetches more income during off-season and requires less maturity days than vegetables grown under open conditions. Clutches can be a suitable substitute for green houses if the seedlings are grown on small scale. Clutches being of low cost can easily be afforded by the farmers as compared to green houses whose cost of installation is very high and at the same time farmers can fetch a good price for their produce in the market.

Impact: Technology is getting more and more popular among farmers because of its low cost of establishment, early availability of seedlings, fetches more income, higher germination percentage, lower incidence of insects, pests and diseases and easy to install.

Off-season Exotic Vegetable Cultivation under Low Tunnels

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

Integrated Farming

Introduction: Mr. Farooq Ahmad Wani (40) S/o Ghulam Mohammad Wani hailing from Katti Mohalla, Khonmoh in district Srinagar has set himself as a role model for the farmers. Mr. Farooq Ahmad Wani has developed the farm in the sloppy undulating terrain by successfully adopting suitable soil and water conservation methods such as terracing and water harvesting. His traditional farm has crops like vegetables i.e. Tomato, Brinjal, Capsicum, Chillies, Leafy Vegetables, Onion, Carrot, Garlic, Potato etc and fruits like Almond and Saffron.

Intervention: However, the support from the Krishi Vigyan Kendra (KVK) Srinagar helped him to go for cultivation of high yielding varieties of vegetables, introduction of exotic vegetables, seed production of vegetables, high yielding varieties of almond along with vermi-composting, Poultry birds, Sheep etc. Mr. Farooq incorporated the components in such a way that it enhanced productivity and profitability in relation to the farming system model practiced earlier.

Outcome/output: Rs. 3.5 lakhs from 2.0 ha land by adopting integrating farm techniques and optimum resource utilization

Impact: The dairy unit has 3 cows, 1 bull and produces 30 liters of milk a day. Dairy farming plays a vital role in the sustainability of the system. He also has set up honey bee colonies. The average production from this system is 4Qts. of almonds, 1.5 tones of cow dung and 2 kg of saffron from 10 kanals.

9. B. Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: Nil

9. C. 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
01	Apiculture	Due to harsh winters and lack of flora in Kashmir, beekeepers migrate their colonies to warmer places where flora is available for feeding. Shifting of colonies is much expensive because of labour, transportation etc. Interestingly one of our farmer has developed an innovative technology called "Winter Packing of Bee hive Colonies" wherein, frames are placed in the center of the box, sides are covered with newspapers in between space is filled with straw especially Paddy straw which increases inside temperature by 5-10^{0}C. A sugar candy of 250 gm is kept on the top of the frames covered with newspapers, then gunny bags and finally with empty fertilizer bags (being porous) which keeps it dry. Finally the box is covered with the lid. Sugar candy of 250 gm provides feed for 15 day/colony. By this way bees can easily survive for 3-4 months of harsh winter without shifting.	By adopting this procedure the huge exchequer on transportation and other charges can be saved and migration of colonies can be easily avoided.



Winter Packing of Bee hive Colonies

9.D. Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women: Village survey
- Rural Youth: -do-
- In-service personnel: Meetings with District Officers

9. E. Field activities

i. Number of villages adopted: 02
ii. No. of farm families selected: 40
iii. No. of survey/PRA conducted: 02

9. F. Activities of Soil and Water Testing Laboratory / Plant Health Clinic

1. Status of establishment of Lab **:** *Working*
2. Year of establishment : 2005
3. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Kjel Plus Automatic Digestion	01	50,720.00
2	All Glass Distillation System	01	5,800.00
3	Batolini Gas Heater	02	7,800.00
4	Oven (Hot Air)	01	19,800.00
5	Grinder (Stain Less Steel)	01	12,390.00
6	Soil auger	02	1400.00
7	Flame photometer	01	34,725.00
8	Specto-photometer	01	41,500.00
9	Chemical Balance (Sensitive)	01	97,000.00
10	Conductivity Bridge	01	5500.00
11	Gas burner	02	15,00.00
12	Digital P.H meter	01	10,430.00
13	HCL computer & Accessories	01	75,000.00
14	Refrigerator	01	10,650.00
15	Refrigerator Haier	01	9,200.00
16	Hot plates	04	10,440.00
17	Shaker	01	13,680.00
18	Kjelda Distillation & digestion combined unit	01	12,510.00
19	Geneset	01	43,028.00
20	Conductivity meter	01	5500.00
21	Physical balance	01	8,700.00
22	Glass ware & plastic ware.	-	1,30,644.00
23	Chemical ware	-	83,390.00
24	Furniture	-	75,000.00
25	Printer	01	7,500.00
26	Pastel & motor	02	1500.00
27	Heating mental	02	1530.00
28	Test sieves	02	1650.00
29	Thermometer	03	590.00
30	Plant Grinder	01	6700.00
31	Soil Moisture Meter	02	1300.00
Total		**40**	

3. **Details of samples analyzed / Soil Health Cards issued during 2016-17:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	300	300	30	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
Total	**300**	**300**	**30**	Samples were analyzed free of cost on world soil health day

4. Status of mini soil testing labs/kit : 01
5. Year of procurement of lab/kit : 2017 (May)
6. No. of mini labs with the KVK : 01
7. Type of mini labs (Name of lab/Kit) : Mid Parikshak Soil Testing Lab

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2016-17 : Nil**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Soil Health Cards Issued				

10. IMPACT

10.1 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./Unit)	**After (Rs./Unit)**
Grafting/Budding Techniques	25	20	-	Rs. 5/graft Rs. 3/bud
Vermi-composting	23	13	Rs. 1200/quintal	Rs. 1500/quintal
Seed Production of Vegetables (G.M. Dari)	25	20	Rs. 20000/Kanal	Rs. 30000/Kanal
Utilization of Kitchen Waste as Organic Mannure	20	05	-	Rs. 3/kg
Value addition of Fruits	25	20	-	Rs. 500/trainee/month
Knitting	15	23	-	Rs. 1000/trainee/month
Training and Pruning	165	09	-	Rs. 600/pruner/day
Cutting & Stitching	25	37	-	Rs. 6000/trainee/month
Preservation of Fruits and Vegetables	23	28	-	
Weaving New Technique with Modular Charka	29	32	-	

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

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

Cutworm (*Agrotis ipsilon*) is a serious pest of maize in Kashmir. The caterpillar feeds on young plants and cuts them off a little below or above the surface of soil. The pest is mainly active upto 3rd week of June. The pest causes more damage in the tribal areas of Faqirgujri and Dardekhover where maize is cultivated as main crop. Demonstration was conducted to prevent the crop from the pest. Different cultural practices like early sowing of the crop was done to reduce the damage by avoiding its susceptibility stage. Seed rate was increased to compensate the plant damage and ploughing of fields after harvesting was done to expose the pests to their natural enemies. Under heavy infestation application of carbofuran 3G @ 32.5 Kg/ha or Carbayal 10% @ 25 Kg/ha was recommended. By adopting these cultural practices, the damage of the pest was managed. Now the farmers of these areas are following these practices to avoid the damage of pest.

Introduction of high density plantation in the Harwan Zone by the Kendra and Horticulture Department has shown good results as farmers are shifting towards high density fruit plantation which fetches them good returns. By providing the HDP which are easy to maintain, early bearer and have simple cultural practices are getting popularized among the farmers of the area who are now shifting towards the HDP.

Cultivation of vegetables during winter season was impossible under Kashmir conditions and due to the intervention of KVK Scientists farmers cultivate vegetables under protected conditions. It not only provides them vegetables round the year but also fetches higher income in shorter duration of time. Seedlings are healthy and there is lower incidence of diseases, insects & pests. Farmer on a small scale could not afford polyhouse/greenhouse as its cost of installation is very high so Kendra popularized low tunnels/clutches among farmers for cultivation of vegetable seedlings during off-season. Low tunnels have various benefits as farmers can afford it easily, its cost of installation is low and no skilled labour is required.

Vocational training programmes especially for semi-urban girls where land holding is already less due to the urbanization. Kendra conducted a 45 days skill development training programme on “Cutting and Tailoring” at village Nadirgund. 25 girls were trained and the basic steps like running stitch, hemming, tackling etc. were taught to them. In the first phase 08 girls adopted the trade and were linked with local electric blanket manufacturer unit who payed them Rs. 15/blanket as stitching charges. The girls stitch 13-15 inners of blankets and earn a handsome amount of Rs. 6000-6500/month. Seeing the achievement made by these girls in the field of “Cutting and Tailoring” has tempted other girls of the village to follow these practices and encouraging results are evident in the area.

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

KVK conducted a survey to analyze the impact of activities carried out during the reporting time in the six villages of the district where most of the activities were conducted. During the survey the opioners of the key informants like village heads (Namberdars), Sarpanches, Panches, Chowkidars, Farm Leaders, concerned farmers and knowledgeable persons of the villages were contacted. The impact analysis revealed that the KVK activities pertaining to popularization of SKUAST-K location specific Paddy varieties like SR-II, SR-IV and Jehlum had an appreciable impact. SR-II thrives well under water logged conditions and the average increase yield between local and said varieties was recorded more than 30%. Similarly Maize varieties shared an increase of 35% in yield as compared to local varieties. Fodder and Pulse varieties also shared tremendous potential so far yield and other characters are concerned. Different demonstration conducted on cultivation of exotic vegetables has shown fair results as farmers have started shifting of cultivation of exotic vegetables which fetches good price as compared to other vegetables. Impact of disease diagnostic visits were appreciated by providing timely intervention to the problems of the farmers. The impact of vocational training has also been analyzed which is good particularly in allied agriculture enterprises like mushroom cultivation, vermi-composting, dairy and poultry.

11.0 LINKAGES

11.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture	Advisory & Cooperation Participation in meetings and trainings.
Department of Horticulture	-do-
Department of Animal and Sheep Husbandry	-do-
SKUAST-K	Technology & Expertise
Nehru Yuva Kendra Sangstha	Sponsorship of training programmes
Lead Banks/NABARD /Social Welfare	Sponsored programme

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

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

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

11.3 Details of linkage with ATMA:

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage	Remarks

Coordination activities between KVK and ATMA during 2016-17: Nil

S. No.	*Programme*	*Particulars*	*No. of programmes attended by KVK staff*	*No. of programmes Organized by KVK*	*Other remarks (if any)*
01	**Meetings**				
02	**Research projects**				
03	**Training programmes**				
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	FFS				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others News coverage				
07	**Other Activities**				

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

S. No.	Programme	Nature of linkage	Constraints if any

11.5 Nature of linkage with National Fisheries Development Board : Nil

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY: Nil

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

12. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

12.2 Performance of instructional farm (Crops) including seed production: Nil

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									
Rice									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

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

12.4 Performance of instructional farm (livestock and fisheries production) : Nil

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

12.5 Utilization of hostel facilities: Nil

Accommodation available (No. of beds) =

Months	*No. of trainees stayed*	*Trainee days (days stayed)*	*Reason for short fall (if any)*
April 2016			
May 2016			
June 2016			
July 2016			
August 2016			
September 2016			
October 2016			
November 2016			
December 2016			
January 2017			
February 2017			
March 2017			

12.6. Database management

S. No	*Database target*	*Database created by the KVK*
01	Data base of farmers	1000 farmers

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit: Nil

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

Demonstrations conducted using Rainwater Harvesting Demonstration Unit: Nil

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

Seed produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Quantity of seed produced (q)

Plant materials produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Number of plant materials produced

Other activities organized using Rainwater Harvesting Demonstration Unit: Nil

Activity	No. of visitors
Visit of farmers	
Visit of officials	

13. FINANCIAL PERFORMANCE

13.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	J &K Bank	H.S.H.S Srinagar	SB-19776
With KVK	J &K Bank	H.S.H.S Srinagar	CD-1765

13.2 Utilization of KVK funds during the year 2016-17 (up to March 2017) (Lacs)

S. No.	Particulars	Sanctioned	Released *	Expenditure **
A. Recurring Contingencies				
1	**Pay & Allowances**	**89.00**		
2	**Traveling allowances**	**1.00**		
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**4.80**		
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	**12.20**		
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
K	IFS	**3.00**		

L	TIU	**6.00**		
TOTAL (A)		**116.00**		
B. Non-Recurring Contingencies				
1	**Works**	**0.00**		
2	**Equipments including SWTL & Furniture**	**4.00**		
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	**0.00**		
4	**Library** (Purchase of assets like books & journals)	**10.00**		
TOTAL (B)		**4.10**		
C. REVOLVING FUND		**0.00**		
GRAND TOTAL (A+B+C)		**120.10**		

***/** Going to Compile Final Account**

13.3 Status of revolving fund (Rs. in lakhs) for the last four years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2013 to March 2014	288728.40	115835.00	26045.00	378518.40
April 2014 to March 2015	378518.40	152094.00	50000.00	480612.40
April 2015 to March 2016	480612.00	202532.00	6450.00	676694.40
April 2016 to March 2017	676694.40	60624.00	141300.00	596018.40

14. Details of HRD activities attended by KVK staff during 2016-17: Nil

Name of the staff	*Designation*	*Title of the training programme*	*Institute where attended*	*Date*

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

Annexure

District Profile-1

Srinagar district, situated in the centre of Kashmir Valley, is surrounded by five districts. In the north it is flanked by Kargil and Ganderbal, in the South by Pulwama and in the north-west by Budgam. The average altitude is about 1600m amsl .The district with a population of around 13 Lakh, is spread over an area of 294 Sq. Kms. It comprises of 07 Tehsils/ towns viz; Srinagar North and Srinagar South, Central, Khanyar, Idgah, Chanapora Natipora and Panthachowk, 06 blocks, besides 137 Revenue villages.

Geographical area	294 Sq. km
Number of Tehsils	07
No. of Blocks	06
No. of Panchayat	08
No. of Sub Division	02
No. of Villages	137
Households	100899
% Households of Total	100
Literacy %age	71.21
Population	12, 50,173 (2011)
Rainfall	491 (mm)
Land Utilization:	
1) Total Area	11703 ha
2) Forest Cover	600 ha
3) Non Agri Land	105 ha
4) Cultivable Land	10998 ha
Gross Area Sown	10846 ha
Net Area Irrigated	5116 ha
Rainfed Area	5730 ha
Livestock population	5.50 Lac

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

S. No	Crop	Area (000 ha)	Production (000 T)	Productivity (Kg/ha)
1.	Fresh Fruit	5.66	19171	10000-12000
2.	Dry Fruit	1.78	1220	-
3.	Rice	2.511	0.587	6000
4.	Maize	0.101	0.059	4500
5.	Oilseed	0.434	0.588	1350
6.	Fodders	0.284	1.776	1200
7.	Pulses	0.073		800
8.	Wheat	0.003		4000

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

Category	Population	Production	Productivity
Cattle			
Crossbred	43166		
Indigenous			
Buffalo	33		
Sheep			
Crossbred	51646		
Indigenous			
Goats	10219		
Pigs	-		
Crossbred	-		
Indigenous	-		
Rabbits	-		
Poultry			
Hens	3990081		
Desi			
Improved			
Ducks			
Turkey and others			

Major farming systems/enterprises.

S. No	Farming situation.	Representative Villages	Farming system/enterprise
1.	**Under AES-I: -** Plain, Irrigated, Double copped.	Chatterhamma, Danihama, Dara, Narkura, Gassu, Telbal, Manzgam, Fakirgujri, Braine, Shalimar, Khimber, Theed, Khanmooh	i) Paddy- Oilseed ii) Paddy - Oats. iii) Paddy- Vegetable. iv) Horticulture v) Broiler and Dairy

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

S. No	Agro-climatic Zone	Characteristics
1.	Mid to high altitude temperate zone (JK-3)	District Srinagar has area of 294 sq.kms and is the smallest district of the state. District Srinagar falls under temperate zone as per the agro-climatic conditions. The precipitation is mainly in the form of snow in winter and rains/ hail in summer. Temperature varies from 5 ^{0}C in winter to max of 34^{0}C in summers and the average rainfall of the district is 585mm. Plain area constitute maximum of the total geographical area of the District. Rice and Maize are main crops of the district besides area under horticulture crops namely Apple, Pear, Cherry and Peach involve the major portion of total cultivated land. Among agronomic crops Maize is mostly grown as rain fed crop in Karewa.

Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Clay to clay loam Sandy loam	As per soil classification major soils in the district belong to Entisols followed by Inceptisols, Alfisols and Mollisols. They show varying degree of profile development from A-C to A-B-C profiles on steep slopes to piedmont plains, karewas and broad valleys. The soil reaction ranges from acidic to slightly alkaline (ph 5.0 to 8.5) organic matter content is generally high.	5.328 1.332

Agro-Ecosystem analysis of the focus/target area-II

1. **Fakirgujri, Mujigund, Dardekhour, Maloora.**
2. **PRA, Transit Walk, Resource Mapping.**

Krishi Vigyan Kendra Srinagar adopted two villages namely village **Dardkhover** Dara zone Harwan and **Maloora** Mujigund zone Qamarwari having both different topography and different agricultural activities. Both the villages agriculture based economy. Village Maloora is involved in commercial cultivation of vegetables and in Dardkhover village there are multiple agriculture/horticulture activities like cultivation of paddy, maize, fodders and fruits like apple, cherry, pear, apiculture including sheep, goat and dairy.

The average landholding at village Dardkhover is 0.2 ha. And at village Maloora 0.4 ha. Small and marginal farmers constitute majority in the villages. Farm size is further decreasing overtime due to division and subdivision of landholding. Most of the villages are well connected with the road which is an advantage; however this advantage comes with a set of threats and villages are prone to come under urbanization and unreversisible division in spite of producing crops on commercial scale.

Horticulture is an important farming business of village Dardekhover besides Paddy and Maize. Cherry is being cultivated at large scale. .the main problems orchardists confront are poor fruit set, inadequate number of pollinisers, faulty training and pruning and lack of post harvest management practices. Vegetable cultivation on

commercial scale is being adopted in village Maloora. The main problem is lack of quality seed material, timely non availability of other inputs, high incidence of insect/pest and diseases and production of offseason vegetables under control conditions.

3. Analysis and Conclusions:

Table 1: Demographic Information and Literacy.

Villages	Total population	Male (%)	Female (%)	Literacy Rate
Dardekhover	1150	55	45	50
Maloora	1991	52	48	55

Table 2: Present area under Major Crops

Villages	Paddy (%)	Vegetables (%)	Maize (%)	Fodder (%)	Fruits (%)
Dardekhover	15	07	20	08	50
Maloora	50	50	-	-	-

Table 3: Information about Livestock and Poultry.

Villages	Animal/Poultry	No.	Milk
Dardekhover	Cattle	500	4-5 Kg/Cow
Maloora		525	5-6 Kg/Cow
Dardekhover	Sheep	700	-
Maloora		-	-
Dardekhover	Goat	300	-
Maloora		-	-
Dardekhover	Poultry	700	(Local and Broiler)
Maloora		600	(Local and Broiler)

4. List of Location Specific Problems

Problem Identified:

(Dardekhour)

Crop Production (Paddy)

Thematic Area	Existing Practice	Recommended Practice	Interventions
Seed	China 1039	Jehlum	FLDs/Demo's/ Awareness Campaigns
Nursery Management	Traditional/Unprotected Nurseries	Protected Nurseries	Demo's/ Awareness Campaigns
Nutrient Management	Blanket recommendations of NPK	Soil Test based doses of NPK	Trainings/Awareness Programmes
Crop Geometry	Low spacing and more no. of plants/hill	15*15 cms 3 plants/hill	Crop Demos/ Awareness Programmes
Weed Management	Unbalanced doses of weedicides,	Recommended doses of weedicides	Trainings/Demos
Plant Protection	Incidence of Insects/Pests/Diseases	IPM/IDM	Trainings/Awareness Programmes

Average Yield	40 q/ha	60 q/ha	Trainings/Awareness Programmes/Demos

Crop Maize: (Dardekhour)

Thematic Area	Existing Practice	Recommended Practice	Interventions
Seed	Local Seeds	Local specific improved varieties	FLDs/Awareness Programmes
Nutrient Management	Blanket recommendations	Soil test based nutrient management	Trainings/Awareness Programmes
Crop Geometry	Broadcasting	Line Sowing	Awareness Programmes/Demos
Crop Protection	Lack of IPM/IDM	SKUAST-K recommended IDM/IPM	FLDs/Trainings

Vegetables: (Maloora)

Thematic Area	Problem
Nursery Raising	Improper plant geometry and variety selection. Nursery raising under up protected conditions.
Protected/off Season Vegetable Cultivation	Vegetable cultivation under protected condition is not practiced. Lack of adaptation of polyhouse for cultivation of off-season vegetables
Exotic Vegetables	Not Cultivated
Seed Production	Farmers buy seeds from market. Seed cost is high and selection is done arbitrarily.

Fruits: (Dardekhour/Maloora)

Thematic Area	Problem
Training/Pruning	Poor know how about training and pruning techniques.
Plant Propagation Techniques	Scientific techniques of budding and grafting are not followed.
Pollination	Lack of knowledge about pollinizer/pollinators
High Incidence of Insect/Pest/Disease	Lack of knowledge. Improper IPM/IDM
Cultivation of Fruits	Poor orchard Management and lack of scientific cultivation practices.

Animal Science: (Dardekhour/Maloora)

Thematic Area	Problem
Management of Dairy Animals	Poor Housing and Sanitation Improper care, Management of pregnant and lactating cow. Lack of knowledge of artificial insemination.
Feed Management	Scarcity of green grass in winter effect as low milk production, mineral deficiency also reduce milk production.
Sheep/Goat rearing	Improper housing and sanitation, occurrence of bacterial, viral, fungal and parasitic diseases.
Poultry	Low productivity, diseases, poor feed and water management. Poor brooding management.
Others	Animal Husbandry, Veterinary dispensary is not available

Home Science: ((Dardekhour/Maloora)

Thematic Area	Problem
Nutrition	Poor cooking practice. Lack of awareness about balanced diet.
Women Health	Unawareness about importance of Iron in diet especially from women's and girls. Unawareness about nutritious meals for children and adolescent girls.
Home Scale Food Preservations	Post harvest losses in farm produce. Preservation of vegetables through unscientific traditional practices.

6. Matrix Ranking of Problems

Maloora:

i) Water logging
ii) Improper Crop Geometry
iii) Non-availability of Quality Seed
iv) Improper Plant Protection measures
v) Lack of Pollinisers
vi) Faulty training and Pruning.
vii) Post Harvest Losses.

Dardekhour:

i) Failure of Paddy Nursery due to Low Temperature.
ii) Improper Crop Geometry
iii) Lack of Pollinisers
iv) Faulty Training and Pruning.
v) Post Harvest Losses.

7. List of Location Specific Technology Trust Areas
Maloora and Dardekhour

i) Raised Nursery
ii) Crop Geometry
iii) Quality Seed.
iv) Plant Protection.
vi) Pollination.
vii) Training and Pruning.
viii) Value Addition
ix) Nutrient Management

8: List of Location Specific Technology needs for OFT and FLDs
Maloora and Dardekhour

i) Nursery Failure:- OFT on Modified Protected Nursery
ii) Poor Seed Yield:- FLD on HYV
iii) Water logging: - OFT on Raised Bed Cultivation.
iv) Poor Nutrient Management: - OFT on Soil Test Based Nutrient Application.

9: Matrix Ranking of Technologies

Maloora

i) Raised Beds for Nursery Raising.
ii) Recommended Crop Geometry.
iii) Availability of Parental lines for Hybrid Seed Production.
iv) Post Harvest Losses in Fruits and Vegetables.

Dardekhour

i) Use of HYV.
ii) Protected Paddy Nursery.
iii) Proper Training and Pruning Practices.
iv) Pollination Management.
v) Crop Geometry.

10: List of Location Specific Training Needs

Maloora

(Trainings/ Awareness Programmes /Demonstrations)

i) Nursery Raising.
ii) Line Sowing.
iii) Hybrid Seed Production.
iv) Value addition of Fruits and Vegetables.
v) Recommended Nutrient, Disease and Pest Management.
vi) Pollination Management.
vii) Proper Training and Pruning.
viii) Recommended Orchard Layout, Designs.

Dardekhour

i) Protected Nursery.
ii) Seed Replacement.
iii) Proper training and Pruning.
iv) Crop Geometry.
v) Pollination Management.
vi) Recommended Cooking Practices and Nutrient Management.
vii) Value addition of Fruits and Vegetables.

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