ANNUAL REPORT 2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Qazi Mohra, Poonch (J&K)	01965-221796	01965-221796	kvkpoonch@gmail.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 & Technology of Jammu, Main Campus Chatha, Jammu	0191-2262028	0191-2262028	deeskuastj@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Ajay Gupta	9469170031	9469170031	mahajan.ajay@gmail.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 31st March 2018)

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 in KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist & Head	Vacant	-	-	15600-39100 **G.P:** 9000	-	-	-	-
2	Subject Matter Specialist (I/c Scientist & Head)	Dr. Ajay Gupta	40	Agronomy	15600-39100 G.P: 8000	36820	28/10/2014	Permanent	General
3	Subject Matter Specialist	vacant	-	-	15600-39100 G.P: 6000	-	-	-	-
4	Subject Matter Specialist	vacant	-	-	15600-39100 G.P: 6000	-	-	-	-
5	Subject Matter Specialist	Dr. Muzaffar Mir	40	Fruit Science	15600-39100 G.P: 6000	22950	01/07/2014	Permanent	General
6	Subject Matter Specialist	Dr. Muneeshwar Sharma	41	Plant Protection	15600-39100 G.P: 6000	22950	02/07/2014	Permanent	General
7	Subject Matter Specialist	Vacant	-	-	15600-39100 G.P: 6000	-	-	-	-
8	Programme	Sh. S.S. Jamwal	42	Horticulture	9300-34800	17130	14/08/2008	Permanent	General

	Assistant				G.P: 4200				
9	Programme Assistant	Sh. Mohd. Qasim	34	Computer Sciences	9300-34800 G.P: 4200	15670	03/06/2012	Permanent	S.T.
10	Farm Manager	Sh. Mushtaq Ahmad Guroo	37	Entomology	9300-34800 G.P: 4200	15670	03/07/2012	Permanent	General
11	Accountant / Superintendent	Smt Anita Saproo	-	-	9300-34800 G.P: 4600	26160	18/12/2017	Permanent	General
12	Stenographer	vacant		-	9300-34800 G.P: 4200	-	-	Permanent	General
13	Driver	Sh. Jagroop Singh	-	-	G.P: 4600	22690	27/07/2017	Permanent	General
14	Driver	Sh. Mohd. Aslam	-	-	5200-20200 G.P: 2400	10370	23/08/2010	Permanent	General
15	Supporting staff	Vacant	-	-	5200-20200 G.P: 1300	-	-	-	-
16	Supporting staff	Sh. Kewal Kishore	-	-	5200-20200 G.P: 1300	7090	23/08/2010	Permanent	General

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

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

1.7. **Infrastructural Development:**

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	15.03.2011	400		2008		Completed
2.	Farmers Hostel	ICAR	15.03.2011	300		2008		Completed
3.	Staff Quarters	ICAR	15.03.2011	400		2008		Completed
	1							
	2							
4.	Demonstration Units							
	1	ICAR				2009		Completed
	2	ICAR				2009		incomplete
	3							
	4							

5	Fencing	ICAR				2009		In-Complete
6	Rain Water harvesting system	KVK grant	-	-	-	-	-	Temporary
7	Threshing floor	ICAR	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	Farm fencing (Chain link)							Complete

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2008	4,30,000	279.00 hours	Good
Tata Sumo	2010	5,98,973	47325 KM	Good
Motorcycle	2012	45,202	22992 KM	Good
Mini Tractor	2017	293800	50 hours.	Good

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	2008	34,528.00	Good
Computer	2009	33,217.00	Good
Printer Coloured	2008	19,717.36	Good
Scanner	2008	2,600.00	Good
Sony Handycam	2008	29,900.00	Good
Song Digital Camera	2009	16,800.00	Good
Fax Machine	2009	7,000.00	Good
Laser Printer (1007hp)	2009	5,475.00	Good
LED 26"	2010-11	26,500.00	Good
DVD 5.1 channel	2010-11	1900.00	Good
Xerox Machine	2010-11	43040.00	Good
Computer	2013	41,788.00	Good
Projector	2015	33094.00	Good
Laser Printer (Brother 1201)	2015	4800.00	Good
Projector screen	2015		Good
Portable Public Address System	2016	24417.0	Good
Sony UPL Multi-media Projector	2016	99982.0	Good
Mridaprikshak Soil Testing Mini Lab (Solar operated)	2016	75000.0	Good
GPS Garmium USA	2016	13216.0	Good
Seed cum Fertilizer drill	2016	65500.0	Good
MB Plough	2016	42700.0	Good
Maize Planter	2016	49800.0	Good
Refrigerator	2016	24500.0	Good
Brush cutter	2016	17900.0	Good
Spray pump (battery operated|)	2016	4850.0	Good
Panasonic multifunctional printer (2170)	2016	24958.0	Good
Grafting machines (02 Nos.)	2016	13900.0	Good
Mridaprikshak Soil Testing Mini Lab (Solar operated)	2017	86000.0	Good
Weighing balance	2017	8500	Good
Garden tool kit	2017	3700	Good
Nikon camera	2017	32000	Good
Lcd projector sony	2017	120000	Good
Led Display board	2017	66868	Good

Agmatel podium	2017	149900	Good
Interactive board	2017	44655	Good
Lcd projector sony	2017	91800	Good
Handycam sony	2017	21500	Good
HP Laptop	2017	60000	Good
Digital Xerox machine	2017	82500	Good
Power tiller	2017	156985	Good
Tractor trolley	2017	99984	Good
HP Laptop	2017	49900	Good
All in one	2017	98162	Good
Printer	2017	11600	Good
Genset	2017	368910	Good
Seed treatment drum (3 nos.)	2017	8130	Good
Wheel hoe (4 Nos.)	2017	4840	Good
Laptop (01) TSP	2018	55589	Good
LED Sony Bravia (01)TSP	2018	41349	Good
Computer (05) TSP	2018	225250	Good
Printer (01) TSP	2018	10900	Good

1.8. A). Details SAC meeting* conducted in the year 2018-19

Sl. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1.	24.03.2018	12	-	-	-

MINUTES OF THE 10TH SCIENTIFIC ADVISORY COMMITTEE MEETING OF KVK POONCH

The 10th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Poonch was organized on 24th March, 2018 in the Conference Hall of KVK, Poonch. The meeting was chaired by Dr. R. K. Arora, Associate Director Extension & I/c. (KVKs) and was attended by Dr. M. S. Bhadwal, Associate Dean FVSc & A.H, district officers of line departments and progressive farmers of district Poonch (Annexure I). The meeting started with the welcome address presented by Dr. Muneeshwar Sharma, SMS, KVK, Poonch. Dr. Ajay Gupta, Member Secretary, SAC and Sr. Scientist & Head, KVK Poonch presented the agenda items.

Agenda Items	Title
Agenda Item - 1	**Confirmation/Approval of Proceedings of 9th SAC meeting held on 8th February, 2017** Proceedings of the 9th SAC meeting were circulated among all the members of SAC and since no queries received from any of the members, the same were confirmed by the house.
Agenda Item - 2	**Action Taken Report of 9th SAC Meeting of KVK Poonch held on 8th February, 2017** Action taken on the recommendation of the members of SAC during 9th SAC meeting was presented before the house. (Annexure-I)
Agenda Item - 3	**Financial Expenditure for the year 2017-18**

	The financial expenditure of KVK-Poonch for the year 2017-18 was presented before the house.
Agenda Item – 4	**Presentation of Progress Report (1st April 2017 to 23rd March, 2018)** Progress report of KVK w.e.f. w.e.f. 1st April 2017 to **23rd** March, 2018 was presented before the house.
Agenda Item – 5	**Achievements of Externally Funded Projects for the year 2017-18** The overall achievement of externally funded projects for the year 2017-18 was presented before the house
Agenda Item – 6	**Action plan for the year 2018-19.** The action plan for the year 2018-19 was presented in detail before the house.

While deliberating on the annual progress report and action plan of KVK Poonch, Chairman SAC gave following suggestions/recommendations:

While deliberating the horticultural activities in district Poonch, Chief Horticulture Officer, Poonch suggested to conduct training programmes on horticulture, especially on canopy management (Training & Pruning) and budding and grafting of fruit crops. He also suggested the need to conduct training/awareness programmes on citrus cultivation at Mendhar, Tehsil of district Poonch. The Chairman instructed I/c Sr. Scientist & Head, KVK Poonch to finalize the training programmes in collaboration with Department of Horticulture and also assured Chief Horticulture Officer that Department can utilize the services of Scientist Horticulture, of KVK Poonch, as and when required.

Chairman also directed SMS Fruit Science, to generate the maximum number of quality planting material of walnut and Pecan nut and tempertae fruit plants.

(Action: KVK Poonch & Department of Horticulture)

Chief Animal Husbandry Officer once again raised the persistent problem of phosphorus deficiency in animals in the district and asked that phosphorus rich supplements should be provided in the deficient areas. He informed the house that the fodder/Grasses fed to the animals from low lying areas are more phosphorus deficient than upper reaches and he emphasized the need for identification of reasons for phosphorus deficiencies and measures to overcome the deficiency. The Chairman instructed I/c, Sr. Scientist & Head, KVK Poonch to collect the soil samples of low lying (plain) demarcated phosphorus deficiency areas in collaboration with Department of Animal Husbandry, Poonch and analyse the samples from Department/Divison. He also instructed to utilize the services of Dr. Mandeep Singh Azad or Dr Parul Gupta (Animal Sciences) of KVK Reasi & Rajouri, respectively to provide UMMB blocks to the farmers.

Associate Dean, Veterinary Sciences, R. S. Pura, suggested to incorporate need based farmer training programmes on animal sciences with special emphasizes on hygiene of slaughter houses and Mastitis and assured that the services of the concerned scientists will be provided. He further emphasized the need for popularization of Mastitis kit to protect the animal tits infection. Chairman directed, Sr. Scientist & Head to conduct such training programmes in collaboration with Faculty of Veterinary Sciences, as and when required and also include Demonstrations for popularization of mastitis kits .

(Action: KVK Poonch, FVSc & A. H & Department of Animal Husbandry)

While discussing the issue of trainings on Fisheries, the Chairman directed that hands-on trainings should be given on fish breeding to be organized in collaboration with Department of Fisheries. Assistant Director Fisheries assured the chairman, that the training programmes on fisheries shall be conducted in collaboration with KVK, during the onset of breeding season.

(Action: KVK Poonch & Department of Fisheries)

While discussing the vocational programmes, Smt. Rubina Kousar progressive farmer suggested to incorporate training for unemployed women. Chairman directed Sr. Scientist and Head to enhance duration of vocational training on cutting and tailrong from 10 to 15 days and obtain list of intersted women for the same.

(Action: KVK Poonch)

Appreciating the connection between the KVK and allied departments, the Chairman directed Sr. Scientist & Head, KVK Poonch to conduct demand based training programmes for farmers and extension functionaries and increase the **outreach**. He advised the officers of line department to prepare a catalogue of training programmes well in advance and communicate the same to Sr. Scientist & Head, KVK Poonch. While discussing the Front Line Demonstrations (FLDs) on pulses and oil seeds, Chairman directed Sr. scientist & Head, that only approved FLDs should be laid down other than CFLDs. He also directed SMS, Plant Protection to conduct training programmes with regard to apiculture and chalk out the programmes in consultation with Dr Arvind Isher, Sr. Scientist & Head KVK, Rajouri. Chairman further directed Sr. Scientist & Head, KVK, Poonch to involve HoDs of the concerned divisions for developing action plan to make it more vibrant. He directed Sr. Scientist & Head KVK Poonch to register and display the members of Scientific Advisory Committee (SAC) and registered farmers on KVK, Website. He also directed Sr. Scientist & Head to invite DDM, NABARD, while conducting next Scientific Advisory Meet of KVK, Poonch.

(Action: KVK Poonch)

With regard to vocational trainings, Chairman directed, Sr. Scientist & Head, KVK-Poonch to provide feedback of **vocational** training programmes especially cutting and Tailoring. He also emphasized to focus on

employment generation enterprises like floriculture, vegetable cultivation, poultry, mushroom cultivation, value addition of fruits & vegetables after proper scrutiny of trainees for training programmes.

(Action: KVK Poonch)

Chairman appreciated the efforts of KVK Poonch in implementing the Tribal Sub Plan and wide coverage by media regarding the scheme. He also appreciated involvement of MLAs/MLCs/ Board Members of Schedule tribe in implementing the scheme.

The meeting ended with the vote of thanks proposed by Dr. Muzafar Mir, Scientist (Fruit Science), KVK, Poonch. Proceedings of the meeting were also recorded by Dr Muzafar Mir, KVK, Poonch.

Annexure I

List of Participants of 10th SAC Meeting of KVK, Poonch held on 24th of March 2018.

S. No.	Name	Designation
1.	Dr. R. K. Arora	Associate Director Extension & I/c. KVKs SKUAST-J (Chairman)
2.	Dr. M. S. Bhadwal	Associate Dean, FVSc & A.H, R. S. Pura, SKUAST-J
3.	P. K Koul	Chief Agricultural Officer, Poonch
4.	Dr. Akiq Ahmad Khan	I/c. Chief Animal Husbandry Officer, Poonch
5.	Sh. Bashir Ahmed	District Officer, Fisheries, Poonch
6	Sh. Mohd Fareed	Horticulture Development Officer, Poonch
7.	Javed Haqani	Progressive farmer
8.	Smt. Nayeem Kousar	Progressive farmer
9	Smt. Rubina Kousar	Progressive Farmer
10.	Dr. Ajay Gupta	I/c Sr. Scientist & Head, KVK, Poonch
11.	Dr. Muzafar Mir	Scientist, Fruit Science, KVK ,Poonch
12.	Dr. Muneeshwar Sharma	Scientist, Plant Protection, KVK, Poonch

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

2. DETAILS OF DISTRICT (2018-19)

Poonch is located on the Southern slopes of Pir Panjal range and as such is rugged with spurs and valleys. It lies between 33^0 25' to $34^0$10' North latitude and 73^0 58' to 74^0 35' East longitude. It is bounded on the north by Baramula and Budgam district of Kashmir valley, on its west and North-West lies Pakistan Occupied Kashmir (POK). The district having population of 4.76 lacs consists of 6 tehsils, 11 blocks and 189 villages covering an area of 1674 sq. km. The climate of the district varies from Sub-tropical to temperate and receives good annual rainfall.

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

S. No	Farming system/enterprise
1	**Rainfed** Maize + Rajmash (Mono cropping) Maize + Rajmash + Potato Maize – Wheat Maize- Oat **Fruit Crops:** Apple, Pecanut, Walnut, Peach, Plum and Apricot
2	**Irrigated (canal)** Paddy (Monocropped) Paddy- Berseem Paddy – Wheat

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

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

2.3 Soil type/s

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

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

S. No	Crop	Area (ha)	Production (Qtls)	Productivity (Qtls /ha)
1	Paddy	3621	10,320.0	24.00
2	Maize	23828	48,000	20.00
3	Wheat	14970	22,725	15.15
Area, Production and Productivity of major fruit crops in district. Area(Ha) and Production (M.T)				
S. No	**Crop**	**Area (ha)**	**Production (MT)**	**Productivity (t /ha)**
1	Apple	2082.00	2499.00	1.20
2	Pear	1623.00	4263.00	2.63
3	Apricot	892.00	591.00	0.66
4	Peach	607.00	670.00	1.10
5	Plum	1322.00	1194.00	0.90
6	Cherry	0.00	0.00	
7	Citrus	363.00	556.00	1.53
8	Walnut	7905.00	11032.00	1.40
9	Other Dry Fruits	287.00	7.00	0.02
10	Other fresh	1508.00	1483.00	0.98

2.5**. Weather data (2018-19)**

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April 2018	99.0	N.A.	N.A.	N.A.
May 2018	59.0	N.A.	N.A.	N.A.
June 2018	79.20	N.A.	N.A.	N.A.
July 2018	204.0	N.A.	N.A.	N.A.
August 2018	185.5	N.A.	N.A.	N.A.
September 2018	0	N.A.	N.A.	N.A.
October 2018	25.0	N.A.	N.A.	N.A.
November 2018	55.0	N.A.	N.A.	N.A.
December 2018	28.0	N.A.	N.A.	N.A.
January 2019	146.5	N.A.	N.A.	N.A.
February 2019	144.5	N.A.	N.A.	N.A.
March 2019	75.0	N.A.	N.A.	N.A.
Total	**1025.7**	N.A.	N.A.	N.A.
Mean		N.A.	N.A.	N.A.

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

Category	Population	Production	Productivity
Cattle			
Crossbred	53432	36000 MT (Milk)	5 lts/day in 305 days
Indigenous	38626	18000 MT (Milk)	3 lts/day in 305 days
Buffalo	113284	45000 MT (Milk)	3 lts/day in 305 days
Sheep			
Crossbred	128926	Mutton 26.389 lakh kg Wool 2.957 lakh kg	
Indigenous	30640	151900	
Goats	134678	653600	

APR 2018-19

Pigs	--	--	--
Crossbred	--	--	--
Indigenous	--	--	--
Rabbits	21	--	--
Poultry			
Hens	--	--	--
Desi	--	--	--
Improved	183708	127 Lakh eggs	80 eggs/layer/year
Ducks	--	--	--
Turkey and others			

Category		**Area**	**Production**	**Productivity**
Fish				
Marine		--	--	--
Inland	*Culture*	3 ha	14.3 tonnes	5.0 t/ha
	capture	--	411.3 tonnes	
Prawn		--	--	--
Scampi		--	--	--
Shrimp		--	--	--

2.7 Details of Operational area / Villages (2018-19)

Sl.No.	**Taluk**	**Name of the block**	**Name of the village**	**Major crops & enterprises**	**Major problem identified**	**Identified Thrust Areas**
1	Poonch Haveli	Haveli	Madari Magnad Jhallas, Nangali, Salotri, Digwar, Bandi Chechian,	Maize (*Zea mays*), Paddy (*Oryza sativa*), Fodder	- Low Productivity in maize and paddy - Fodder scarcity - Non availability of fertilizer at right time	- INM & IPM in Paddy and Maize - Standardization of wheat Production technology under rainfed conditions - Introduction of improved fodder varieties. -
2	Mandi	Mandi	Sathra, Rajpura, Mandi, Loran, Saujian	Maize (*Zea mays*), Rajmash (*Phaseolus* sp.), walnut appler & apricot	- Low Productivity in fruit crops - Attack of insect pest in rajmash under mixed cropping - Large Mono-cropped area	- INM & IPM and IDM in Maize - IPM and IDM in rajmash - -Training & Pruning -INM in fruits
3	Loran	Surankote, Bufliaz	Loran Sib Butterkot	Maize (*Zea mays*) Rajmash (*Phaseolus* sp.)	- Low Productivity in maize - Large Mono-cropped area - Attack of insect pest in rajmash under mixed cropping	- Seed treatment - IPM in rajmash -SCH in maize - Training & Pruning -
4	Mendhar	Mendhar	Butterkot	Mustard Wheat (*Triticum aestivum*)	- Problem of weed management in wheat -	- Standardization of wheat Production technology under rainfed conditions - IPM and IDM

5.	Balakote		Balakote	Maize (*Zea mays*)	- Low productivity in maize - Low productivity in pomegranate -	- INM & IPM in Maize - -Control of anar butterfly

2.8 Priority/thrust areas

Crop/Enterprise	**Thrust area**
Agriculture	
Maize (*Zea mays*)	- Integrated Nutrient & Pest Management - Introduction of single cross hybrids
Paddy (*Oryza sativa*)	- Integrated Nutrient Management, IPM/IDM , Weed management
Wheat (*Triticum aestivum*)	- Standardization of Production technology under rainfed conditions, Weed management
Pulses Rajmash (Phaseolus vulgaris)	- Standardization of Production technology under rainfed conditions, High yielding improved varieties' Integrated Pest and Disease Management
Oilseeds	-Increasing area under Oilseeds
Fodder (oats)	Availability of green fodder round the year
Horticulture	
Fruits: Pear (*Pyrus communis*)	Micro Nutrient Management, Rejuvenation of Old Orchards, IPM/IDM
Plum (*Prunus domestica*),	Application of Micronutrients, Rejuvenation of Old Orchards, IPM/IDM
Apple (*Malus sylvestris*)	Promoting INM, IPM/IDM
Walnut (*Juglans* spp.)	Production of quality planting material of walnut at KVK Farm
Pecanut	Production of quality planting material of pecanut at KVK farm
Strawberry	Runner production of different varieties at KVK farm.
Plant Protection	IPM/IDM in cereal crops, vegetables and fruit crops
Animal Husbandry	
Cow, Buffalo, Sheep, Goat	Disease Management in Sheep & Goat

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2018-19

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
4	4	20	20	48.10 ha	57.0 ha	250	331

3.A.1 FLDs Conducted under CFLDs on Oilseed

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

3.A.2 FLDs Conducted under CFLDs on Pulses

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	33	38	660	708				
Rural youth	04	04	80	89				
Extn. Functionaries	04	04	80	71				
T&V	10	10	150	147				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
10.0	10.15	2000	2600
Oat/Wheat			

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

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*
1	Production Technology	Maize	Low Productivity due low to yielding varieties		Introduction of High yielding SCHs	01			02	05.15	--	--	-	-
					Promotion of Maize composite JMC-3					0.48				
					Evaluation of popcorn maize SJPC-1					0.10				
2		Wheat	Low Productivity due to traditional varieties		Promotion of location specific Wheat VL 907	02		-	01	05.45	-	-	-	-
			Problem of weeds			01								
3	Pulses	Rajmash	Less area under pulses in Poonch Distt.		Promotion of BR-104 (Bhaderwah Rajmash under Poonch conditions)	01				0.50				
4	Fodder Crop production	MP Cherry	Scarcity of fodder			01								
		Napier			Promotion of Napier hybrid on bunds for increasing fodder						6000 rooted slips			

		Oats	Scarcity of fodder Mono cropping		Promotion of Oats in monocropped area of Poonch Distt.	01			01	10.25	-	-	-	-
5	Fertility management		Lack of knowledge of vermicomost			01								
6	Capacity building		Lack of knowledge of CSS			01								
1	INM	Plum	Low quality and yield due to imbalanced use of fertilizers	Integrated Nutrient management in Plum (9 years of age)				-		-	-	-	-	
2	INM	Apple	Low quality and yield due to imbalanced use of fertilizers	Integrated Nutrient management in Apple (12 years of age)	Promotion of QPM in Apple				01		250	-	-	
	HDP		Low density orchards			02		01						
3		Walnut			Promotion of QPM in Walnut									
4		Apricot							01					
5		Garlic			Promotion of improved variety G313					0.10				

6	Value addition	Fruit crops	Post harvest loss of perishable fruits				01							
7	Propagation Techniques	Fruit crops	Lack of knowledge of propogation techniques			02	01							
8	Canopy management	Fruit crops	Poor management of orchards			02								
9	Mangement of orchards	Fruit crops	Poor fruit set			03								
10	Nursery management	Vegetable crops	Poor nursery management			01								
11	Protected cultivation	Vegetable crops	Lack of scientific knowledge			01		01						
12	Vegetable production technology	Vegetable crops	Lack of scientific knowledge			02								
1	IDM	Rajmash	Low yield due to Anthracnose	Management of Anthracnose in Rajmash				-	-	-	-	-	-	-
2	IDM	Maize	Low yield due to turcicum blight	Management of turcicum blight in maize										
3	IPM & IDM	Pecan nut	Low yield due to insects pest and			02						-	-	-
		Apple				02								

		Wheat	diseases			01								
5	IPM & IDM	Tomato	Low yield due to poor mangement practices		-	01						-	-	-
6	IPM	Maize + Rajmash under mixed cropping	No protection measures adopted	-	Management of cut worm in maize+rajmash under mixed cropping	01			01			-	-	
7	IDM	Chillies	Wilt management			02								
8	IPM & IDM	Paddy	Insect pest	-	-	01						-	-	-
9	IPM & IDM	Field, Vegetable and Fruit crops	seed and soil borne diseases	-	-	02						-	-	-
10	IPM	Field crops	Problem of stored grain pests	-	-	02						-	-	-
11	Safe use of Pesticides	Field, Vegetable and Fruit crops	Application techniques			01		01						
12	IPM & IDM	Field, Vegetable and Fruit crops	No use of Biocontrol agents					01						
13	Mushroom Production	Mushroom	Lack of knowledge in Mushroom production				01							
14	Apiculture	Honey bee colonies				01								
	Cutting tailoring						01							

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										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management						02				02
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management	01		01							02
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	01		01			02				04

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

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										01
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management						02				02
Integrated Farming System										

Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management	01		01							02
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	01		01			02				04

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

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

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

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

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

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	Apple	Integrated Nutrient Management in Apple (12 years of age)	5	5	0.2
	Plum	Integrated Nutrient management in Plum (9 years of age)	5	5	0.2
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management	Rajmash	Management of Anthracnose in Rajmash	5	5	0.15
	Maize	Management of Turcicum leaf blight in Maize	5	5	0.15
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			**20**	**20**	**0.70**

3.2.2. Technologies Refined 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	Apple	Integrated Nutrient Management in Apple (12 years of age)	5	5	0.2
	Plum	Integrated Nutrient management in Plum (9 years of age)	5	5	0.2
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
	Rajmash	Management of Anthracnose in Rajmash	5	5	0.15
Integrated Disease Management	Maize	Management Turcicum leaf blight in Maize	5	5	0.15
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			**20**	**20**	**0.70**

3.2.3. Technologies assessed under Livestock and other enterprises

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

3.2.4. Technologies Refined under Livestock and other enterprises

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

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

Trial 2

1)	Title	:	Management of anthracnose in Rajmash
2)	Problem diagnose/defined	:	Low production due to anthracnose
3)	Details of technologies selected for assessment /refinement	:	(I) No measures (Farmers Practice) (II) Seed treatment with Carbendazim 2.5 gm/kg + Three sprays of Carbendazim @ 0.5 gm/l (III) Seed treatment with Carbendazim 2.5 gm/kg + Three sprays of Mancozeb @ 3 gm/l
4)	Source of technology	:	Package of practices of SKUAST-Jammu
5)	Production system thematic area	:	Rainfed
6)	Thematic area	:	Integrated disease Management
7)	Performance of the Technology with performance indicators	:	Results of the trial at farmers field revealed that the minimum % disease incidence (7 %) of anthracnose in rajmash was recorded from seed treatment with Carbendazim @ 2.5 gm/kg followed by three sprays of Carbendazim @ 0.5 gm/l, whereas, 11.4 % disease incidence was recorded from seed treatment with Carbendazim 2.5 gm/kg followed by three sprays of Mancozeb @ 3 gm/l and maximum disease incidence (37 %) was recorded in the farmers practice treatment with No measures.
8)	Final recommendation for micro level situation	:	Seed treatment with Carbendazim @ 2.5 gm/kg and followed by three sprays of Carbendazim @ 0.5 gm/l.
9)	Constraints identified and feedback for research	:	Non availability of quality plant protection chemicals in local market and reliability of farmer on shopkeepers for selection of fungicides.
10)	Process of farmers participation and their reaction	:	Farmers actively participated in the trial and were satisfied with the performance of chemicals and were ready to use it in the future for obtaining optimum yield.

B). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Rajmash	Rainfed	Low production due to Anthracnose Disease	**Management of Anthracnose in Rajmash**	05	Farmers Practice (No Chemical)	% Disease incidence	37	Least % disease incidence was recorded in the seed treatment with Carbendazim @ 2.5 gm/kg + Three Sprays of Carbendazim @ 0.5 gm/l	Farmers were sowing the crop without seed treatment and foliar sprays to control the anthracnose disease incidence after the technology refinement they got higher returns
					Seed treatment with Carbendazim @ 2.5 gm/kg + Three sprays of Carbendazim @ 0.5 gm/l		7		
					Seed treatment with Carbendazim @ 2.5 gm/kg + Three sprays of Mancozeb @ 3 gm/l		11.4		

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Farmers Practice (No Chemical)	388	55900	3.58
Seed treatment with Carbendazim @ 2.5 gm/kg + three sprays of Carbendazim @ 0.5 gm/l	565	91000	5.14
Seed treatment with Carbendazim @ 2.5 gm/kg + three sprays of Mancozeb @ 3 gm/l	523	82600	4.75

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

***** Give details of the technology assessed or refined and farmer's practice***

Trial 3

1) Title : Management of Turcicum leaf blight in maize

2) Problem diagnose/defined: Low production due to Turcicum leaf blight disease

3) Details of technologies selected for assessment /refinement :

I Farmers Practice (No measures)
II Three sprays of Mancozeb @2.5 gm/l after the emergence of disease
III Three sprays of Propiconazole @ 1ml/l after the emergence of disease

4) Source of technology : Package of practices of CSHPKV Palampur

5) Production system thematic area : Rainfed

6) Thematic area : Integrated disease Management

7) Performance of the Technology with performance indicators : Results recorded from the trial at farmers field revealed that the minimum % disease incidence (7.6 %) of Turcicum leaf blight in maize and maximum yield of 5580 Kg/ha was recorded from the Treatment I (three sprays of Propiconazole @ 1ml/l after the emergence of disease) followed by Treatment III (three sprays of Mancozeb @ 2.5 gm/l after the emergence of disease) 12.6 % disease incidence and 4820 Kg/ha yield, whereas, and maximum disease incidence (39 %) and lowest yield (3583 Kg/ha) was recorded from Ttreatment III Farmers practice (No measures).

8) Final recommendation for micro level situation : Three sprays of Propiconazole @ 1ml/l after the emergence of disease for the control of Turcicum leaf blight in maize.

9) Constraints identified and feedback for research : Non availability of quality plant protection chemicals in local market and reliability of farmer on shopkeepers for selection of fungicides.

10) Process of farmers participation and their reaction : Farmers actively participated in the trial and were satisfied with the performance of chemicals and were ready to use it in the future for obtaining optimum yield.

2). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology refined	Parameters	Data on the parameter	Results of refinement	Feedback from the farmer	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11
Maize	Rainfed	Low production due to Turcicum leaf blight disease	Management of Turcicum leaf blight	05	Treatment-I Farmers Practice (No measures)	% disease incidence	39	Least % disease incidence was recorded after Three Sprays of Propiconazole @ 1 ml/lt after the emergence of disease	Farmers are satisfied with the results of the three Sprays of Propiconazole @ 1 ml/lt after the emergence of disease and are willing to apply the same in future in their fields	Farmers were sowing the crop without applying any measures for the control of the Turcicum leaf blight after the technology refinement they got higher returns
					Treatment II Three Sprays of Mancozeb @ 2.5 gm/l after the emergence of disease		12.4			
					Treatment- III Three Sprays of Propiconazole @ 1 ml/lt after the emergence of disease		7.6			

**** No. of farmers***

Technology Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
12	13	14	15
Treatment-I Farmers Practice (No Chemical)	3583	30953	2.47
Treatment II Three Sprays of Mancozeb @ 2.5 gm/l after the emergence of disease	4820	47390	3.11
Treatment- III Three Sprays of Propiconazole @ 1 ml/lt after the emergence of disease	5580	58410	3.60

****Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.***
***** Give details of the technology assessed or refined and farmer's practice***

A. Technology Assessment

Trial 4

1. Title : Integrated nutrient Management in Apple

2. Problem diagnose/defined : Poor quality and yield due to imbalanced dose of nutrition

3. Details of technologies selected for assessment/refinement:

i. Imbalanced dose of Urea and FYM (Farmers practice)
ii. N=735 g/tree, P=450 g/tree and K=1050 g/tree
iii. Intervention (NP50% +VC30% + FYM20% and K75%+VC 15%+FYM10%)

4. Source of technology : SKUAST-K and Dr. YSPUHF, Solan (H.P)

5. Production system thematic area : Rainfed Horticulture based system

6. Thematic area : Integrated nutrient management

7. Performance of the Technology with performance indicators : Soil application of balanced dose of manures and fertilizers at right time improves the fruit quality of apple and also increase (23.8%) yield than the farmers practice.

8. Final recommendation for micro level situation : Soil application of recommended dose of manures and fertilizers may be applied in apple growing areas of Poonch. However, further trials need to be conducted before recommendation

9. Constraints identified and feedback for research :.

10. Process of farmers participation and their reaction : Farmers are very much satisfied with the performance of balanced fertilizer doses and the farmers are interested to adopt the technique.

B). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter		Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8		9	10
Apple	Rainfed	Poor quality and yield due to imbalanced dose of fertilizers	Integrated nutrient management in apple		Imbalanced dose of Urea & FYM(farmers practices)	Yield (Kg/tree)	21.3		Soil application of recommended dose of manures and fertilizers may be applied in apple growing areas of Poonch. However, further trials need to be conducted before recommendation	Farmers are very much satisfied with the performance of balanced fertilizer doses and the farmers are interested to adopt the technique.
				05	N=735g/tree, P=450g/tree, K=1050 g/tree		24.8			
					NP(urea$_{50\%}$ VC$_{30\%}$, FYM $_{20}$ and K $_{75\%}$ + VC$_{15\%,}$ +FYM$_{10\%}$		26.3			

**** No. of farmers***

Technology Assessed	*Production per unit (Kg/tree)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Imbalanced dose of Urea and FYM (Farmers practice)	21.3		
N=735 g/tree, P=450 g/tree, K=1050 g/tree	24.8		
NP(urea$_{50\%}$ VC$_{30\%}$, FYM $_{20}$ and K $_{75\%}$ + VC$_{15\%,}$ +FYM$_{10\%}$	26.3		

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

***** Give details of the technology assessed or refined and farmer's practice***

A. Technology Assessment

Trial 5

1.	Title	:	Integrated nutrient Management in plum
2.	Problem diagnose/defined	:	Low yield due to imbalanced dose of nutrition
3.	Details of technologies selected for assessment/refinement:		1. FYM (20-25 kg/tree) (Farmers practice) 2. N=735 g/tree, P=280 g/tree and K=1080 g/tree 3. N= (Urea=50%, VC= 30%, FYM= 20%), P (DAP=25%, VC=50%, FYM=25%), K (MoP=75%, VC=15%, FYM=10%)
4.	Source of technology	:	Dr. YSPUHF, Solan (H.P)
5.	Production system thematic area	:	Rainfed Horticulture based system of plum
6.	Thematic area	:	Integrated nutrient management
7.	Performance of the Technology with performance indicators	:	Soil application of balanced dose of manures and fertilizers at right time improves the fruit quality of plum and also increase (67%) yield than the farmers practice.
8.	Final recommendation for micro level situation	:	Soil application of recommended dose of manures and fertilizers may be applied in plum growing areas of Poonch. However, further trials need to be conducted before recommendation
9.	Constraints identified and feedback for research	:.	
10.	Process of farmers participation and their reaction	:	Farmers are very much satisfied with the performance of balanced fertilizer doses and the farmers are interested to adopt the technique.

B). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter		Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8		9	10
plum	Rainfed	Low yield due to imbalanced dose of fertilizers	Integrated nutrient management in plum		FYM (20-25 kg/tree) (farmers practices)	Yield (Kg/tree)	24.21		Soil application of recommended dose of manures and fertilizers may be applied in apple growing areas of Poonch. However, further trials need to be conducted before recommendation	Farmers are very much satisfied with the performance of balanced fertilizer doses and the farmers are interested to adopt the technique.
				04	N=735g/tree, P=280g/tree, K=1080 g/tree		35.35			
					N= (Urea=50%, VC= 30%, FYM= 20%), P (DAP=25%, VC=50%, FYM=25%), K (MoP=75%, VC=15%, FYM=10%)		40.23			

**** No. of farmers***

Technology Assessed	*Production per unit (Kg/tree)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
FYM (20-25 kg/tree) (Farmers Practice)	24.21	336519	1.45
N=735g/tree, p=280 g/tree, K=1080g/tree	35.35	491365	2.12
N= (Urea=50%, VC= 30%, FYM= 20%), P (DAP=25%, VC=50%, FYM=25%), K (MoP=75%, VC=15%, FYM=10%)	40.23	559197	2.41

****Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.***
***** Give details of the technology assessed or refined and farmer's practice***

PART 4 - FRONTLINE DEMONSTRATIONS

4.A. Summary of FLDs implemented during 2018-19

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pulses	Rain fed	Kharif	Rajmash	Local Loran	-	Plant protection	IPM	2	2.0	0	0	20	20	-
		-	-	Rajmash	BR 104	-	Seed replacement	Improved variety	-	10.0	26		40	66	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cereals	Rainfed	Kharif 2018	Maize	Double deklab proAgro 4794	Double deklab proAgro 4794	Replacement of traditional varieities	SCHs	25.0	25.75	31	0	72	103	-
			Kharif 2018	Maize	JMC 03		Promotion of composite		-	2.4	03	0	9	12	
			Kharif 2018	Maize	SJPC-1		Pop corn maize		-	0.2	0	0	04	04	
		Rainfed	Rabi-2018-19	Wheat	VL 907		Seed replacement	Improved variety	5.0	5.45	04	0	24	28	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vegetables	Rainfed	Rabi	Garlic	G-313		Improved variety	Variety	0.1	0.1	02	0	03	05	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fruit	Rainfed	Rabi	Apple	Variety		Popularization of QPM in apple	Variety	1.0	1.0	1	04	19	23	-
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Rainfed	Rabi-2018-19	Oat	Kent	-	Replacement of fodder wheat with oat	Introduction of oat as fodder crop	10.0	10.25	14	0	45	59	
		Rainfed	Kharif 2018	Napier	Napier hybrid				-	1.0	5	0	7	12	
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Poultry														
	Rabbitry														
	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
	Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mussels														
	Ornamental fishes														
	Oyster mushroom														
	Button														

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	
	mushroom														
	Vermicompost														
	Sericulture														
	IFS														
	Apiculture														
	Implements														
	Others (specify														

4.A. 1. Soil fertility status of FLDs plots during 2014-15

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

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*	
	Fruit											
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder											
	Plantation											
	Fibre											
	Dairy											
	Poultry											
	Rabbitry											
	Pigerry											
	Sheep and goat											
	Duckery											

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*	
	Common carps											
	Mussels											
	Ornamental fishes											
	Oyster mushroom											
	Button mushroom											
	Vermicompost											
		-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	IFS	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-

B. Results of Frontline Demonstrations

APR 2018-19

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																			
Pulses	IPM	Local Loran	-	Rainfed	20	2.1	5.70	4.60	5.23	2.89	80.97	21000	104600	83600	4.98	17430	57800	40370	3.32
	Variety	BR104	-	Rainfed	66	10.0	3.9	3	3.45	3.24	6.48	16500	58650	42150	2.55	15900	55080	39180	2.46
Cereals	Hybrid		Double deklab	Rainfed	60	15.0	58.2	44.4	51.3	33.8	51.78	22600	82935	60335	2.67	18400	48165	29765	1.62
	Hybrid		Pro-Agro 4794	Rainfed	43	10.75	50	41.2	45.6	34.6	31.79	20200	71250	51050	2.53	18400	49305	30905	1.68
	Composite		JMC-3	Rainfed	12	2.4	41.8	38.4	40.1	30.1	33.22	15400	57142.5	41742.5	2.71	15200	42892.5	27692.5	1.82
	Pop corn		SJPC-1	Rainfed	04	0.20	20.6	16.9	18.75			17600	65625	48025	2.73				
Wheat	Variety	VL 907	Rabi-2018-19	Rainfed	28	5.45	38.2	30.6	34.4	28	22.86	19100	63296	44196	2.31	16800	51520	34720	2.07
Millets																			
Vegetables	Rainfed	Rabi	Garlic	G-313	05	0.10	98.4	80.6	89.5	80	11.88	160000	581750	421750	2.64	150000	520000	380000	2.47
Flowers																			
Fruit	Rainfed	Rabi	Apple		23	1.0	180	144	162	86	88.37	150000	729000	579000	3.86	120000	387000	267000	2.23
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	Rainfed	Rabi-2018-19	Oat	Kent Green fodder	59	10.25	302	256	279	244	14.34	19750	69750	50000	2.53	18150	61000	42850	2.36
Fodder	Napier hybrid		NB37	rainfed	12		740	550	645	230									

* 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 in weed/pest/ diseases etc.)

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

; H – Highest Yield, L – Lowest Yield A – Average Yield

4.B.2. Livestock and related enterprises

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	-	-	-	-	H	L	A	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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***

4. B.3. Fisheries

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										
	-	-	-	-	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

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										
	-	-	-	-	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***
-	**-**	**-**

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

Sl.No.	***Activity***	***No. of activities organised***	***Number of participants***	***Remarks***
1	Field days	07	135	
2	Farmers Training			
3	Media coverage	03		
4	Training for extension functionaries			
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	01	07	03	10	09	02	11	16	05	21
Resource Conservation Technologies										
Cropping Systems	01	14	02	16	01	0	01	15	02	17
Crop Diversification										
Integrated Farming										
Water management										
Seed production	01	15	01	16	04	01	05	19	02	21
Nursery management										
Integrated Crop Management										
Fodder production	01	19	01	20	0	0	0	19	01	20
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low										

volume and high value crops										
Off-season vegetables										
Nursery raising	01	02	0	02	11	01	12	13	01	14
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	**2**	**21**	**0**	**21**	**21**	**0**	**21**	**42**	**0**	**42**
c) Ornamental Plants										
Nursery Management										
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology										
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology										
Processing and value addition	-	-	-	-	-	-	-	-	-	-

f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology										
Processing and value addition	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management										
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management										
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing										
IV Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management										
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and										

nutrition gardening										
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	01	22	0	22	0	0	0	22	0	22
Integrated Disease Management	2	13	3	16	20	2	22	33	5	38
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	04	0	04	11	02	13	15	02	17
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	01	09	0	09	06	0	06	15	0	15
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	**12**	**126**	**10**	**136**	**83**	**8**	**91**	**209**	**18**	227
(B) RURAL YOUTH										
Mushroom Production	01	08	0	08	04	0	04	12	0	12
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and	01	03	0	03	11	0	11	14	0	14

pruning of orchards										
Value addition	01	17	0	17	15	0	15	32	0	32
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	01	0	31	31	0	0	0	0	31	31
Rural Crafts										
TOTAL	**4**	**28**	**31**	**59**	**30**	**0**	**30**	**58**	**31**	89
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management	01	17	0	17	0	0	0	17	0	17
Bio control agents	01	07	03	10	03	02	05	10	05	15
Integrated Nutrient management										
High density fruit	01	18	0	18	0	0	0	18	0	18
Protected cultivation technology	01	21	0	21	0	0	0	21	0	21
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	**4**	**63**	**3**	**66**	**3**	**2**	**5**	**66**	**5**	71

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	14	01	15	04	0	04	18	01	19
Integrated Farming										
Water management										
Seed production	01	17	0	17	02	0	02	19	0	19
Nursery management										
Integrated Crop Management										
Fodder production	01	07	0	07	07	03	10	14	03	17
Production of organic inputs										

II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	01	11	0	11	06	0	06	17	0	17
Off-season vegetables										
Nursery raising	01	14	0	14	03	03	06	17	03	20
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	01	06	02	08	07	01	08	13	03	16
b) Fruits										
Training and Pruning	2	25	0	25	5	0	5	32	0	32
Layout and Management of Orchards										
Cultivation of Fruit	2	16	0	16	17	1	18	33	1	34
Management of young plants/orchards	3	31	0	31	20	0	20	51	0	51
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										

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

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

Integrated Pest Management	6	47	6	53	50	20	70	97	25	122
Integrated Disease Management	6	92	6	98	18	3	21	110	9	119
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	01	05	0	05	09	01	10	14	01	15

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										
(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										
Repair and maintenance of farm machinery and implements										
Nursery										

Management of Horticulture crops										
Training and pruning of orchards										
Value addition										
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										
(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	**26**	**285**	**15**	**300**	**148**	**32**	**180**	**435**	**46**	481

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	01	07	03	10	09	02	11	16	05	21
Resource Conservation Technologies										
Cropping Systems	01	14	02	16	01	0	01	15	02	17
Crop Diversification	01	14	01	15	04	0	04	18	01	19
Integrated Farming										
Water management										
Seed production	2	32	1	33	6	1	7	38	2	40
Nursery management										
Integrated Crop Management										
Fodder production	2	26	1	27	7	3	10	33	4	37
Production of										

organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	01	11	0	11	06	0	06	17	0	17
Off-season vegetables										
Nursery raising	2	16	0	16	14	4	18	30	4	34
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	01	06	02	08	07	01	08	13	03	16
b) Fruits										
Training and Pruning	2	25	0	25	5	0	5	32	0	32
Layout and Management of Orchards										
Cultivation of Fruit	2	16	0	16	17	1	18	33	1	34
Management of young plants/orchards	3	31	0	31	20	0	20	51	0	51
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	2	21	0	21	21	0	21	42	0	42
c) Ornamental Plants										
Nursery Management										
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants										
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology										
Processing and value addition	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-

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

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

Integrated Pest Management	07	69	6	75	50	20	70	119	25	144
Integrated Disease Management	8	105	9	114	38	5	43	143	14	157
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	04	0	04	11	02	13	15	02	17
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax	01	05	0	05	09	01	10	14	01	15

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	01	09	0	09	06	0	06	15	0	15
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	38	411	25	436	231	40	271	644	64	708
(B) RURAL YOUTH										
Mushroom Production	01	08	0	08	04	0	04	12	0	12
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										

Nursery Management of Horticulture crops										
Training and pruning of orchards	01	03	0	03	11	0	11	14	0	14
Value addition	01	17	0	17	15	0	15	32	0	32
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	01	0	31	31	0	0	0	0	31	31
Rural Crafts										
TOTAL	**4**	**28**	**31**	**59**	**30**	**0**	**30**	**58**	**31**	**89**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management	02	24	03	27	03	02	05	27	05	32
Integrated Nutrient management										
Rejuvenation of old orchards	01	18	0	18	0	0	0	18	0	18
Protected cultivation technology	01	21	0	21	0	0	0	21	0	21
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	**4**	**63**	**3**	**66**	**3**	**2**	**5**	**66**	**5**	**71**

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			Number of SC/ST			Total number of participants		
								Male	Female	Total	Male	Female	Total	Male	Female	Total
1	16.04.2018	Farmers	Management of stored grain pests	PP	Stored grain pests	01	KVK campus	22	0	22				22	0	22
2	01.05.2018	Farmers	Production Techniques in Maize	CP	Crop production	01	KVK campus	14	2	16	1	0	1	16	1	17
3	03.05.2018	Farmers	Importance of Pulses in improving fertility and income	CP	Crop diversification	01	Jhulllas	14	1	15	04	0	04	18	1	19
4	09.05.2018	Farmers	Safety concerns during use of pesticides in agriculture	PP	IPM	01	Degwar	9	1	10	8	1	9	17	2	19
5	15.05.2018	Farmers	Scientific cultivation of summer vegetables	vegetables	production	01	Gundi	11	0	11	06	0	06	17	0	17
6	21.05.2018	Farmers	Nursery management of summer vegetable	vegetables	Nursery raising	01	KVK	2	0	2	11	1	12	13	1	14
7	12.06.2018	Farmers	Production techniques of kharif fodder	CP	Fodder production	01	Butterkot	19	1	20	0	0	0	19	1	20
8	29.06.2018	Farmers	Seed Treatment for effective control of seed and soil borne diseases	PP	Seed treatment	01	KVK	08	03	11	07	02	09	15	5	20

9	10.07.2018	Farmers	Insect Pest and Disease management in Paddy	PP	IPM/IDM	01	Chandak	04	02	06	05	06	11	09	08	17
10	17.07.2018	Farmers	Wilt management in Chilli	PP	IDM	01	Jhullas	08	01	09	05	02	07	13	03	16
11	17.07.2018/ 14.08.2018	Farmers	Propogation techniques (Budding) in fruit crops	Hort	Plant propagation techniques	01	On-Campus	14	0	14	11	0	11	25	0	25
12	09.08.2018	Farmers	IPM and IDM in Maize+Rajmash under mixed cropping	PP	IDM	01	Loran	20	0	20	01	0	01	21	0	21
13	04.09.2018	Farmers	Wilt management in Chilies	PP	IDM	01	Degwar	15	02	17	01	0	01	16	02	18
14	05.09.2018	Farmers	IPM and IDM in Tomato	PP	IPM/IDM	01	Mangnar	12	03	15	02	01	03	14	04	18
15	19.10.2018	Farmers	Scientific cultivation of winter vegetables	vegetables	Nursery raising	01	jalian	14	0	14	03	03	06	17	03	20
16	31.10.2018	Farmers	Production Techniques in rabi Fodder	CP	Fodder production	01	On Campus	07	0	07	07	03	10	14	03	17
17	12.11.2018	Farmers	Seed Production in Wheat	CP	Seed Production	01	On Campus	15	1	16	04	01	05	19	02	21
18	14.11.2018	Farmers	Weed management in Rabi crops	CP	Weed management	01	On Campus	07	03	10	09	02	11	16	05	21
19	06.12.2018	Farmers	Seed Treatment for effective control of seed and soil borne diseases.	PP	Seed Treatment	01	KVK Poonch	05	0	05	13	0	13	18	0	18
20	06.12.2018	Farmers	Protected cultivation of	Hort	Protecteive cultivation	01	Siroi, mandi	06	02	08	07	01	08	13	03	16

			vegetables													
21	13.12.2018	Farmers	Vermicomposting and its importance	PP	Vermicompost prodution	01	On Campus	04	0	04	11	02	13	15	02	17
22	17.12.2018	Farmers	Management of stored grain pests	PP	stored grain pests	01	Degwar	09	0	09	11	0	11	20	0	20
23	20.12.2018	Farmers	Insect Pest and Disease management in Wheat crop	PP	IPM/IDM	01	Bandi Chechian	08	02	10	07	01	08	15	03	18
24	17.01.2019	Farmers	Canopy Management in Apple	Hort	Canopy Management	01	Azmabad, Mandi	09	0	09	05	0	05	16	0	16
25	18.01.2019	Farmers	Pruning of Fruit Crops	Hort	Training and pruning	01	Atholi	16	0	16	0	0	0	16	0	16
26	23.01.2019	Farmers	Centrally Sponsored Schemes for The Benefit of Farmers	CP		01	KVK	09	0	09	06	0	06	15	0	15
27	29.01.2019	Farmers	Honey Bee Production.	PP	Production of bee colonies	01	Mankote	05	0	05	09	01	10	14	01	15
28	11.02.2019	Farmers	Insect Pest Management in Pecannut	PP	IPM	01	Kossalina	09	0	09	15	0	15	24	0	24
29	21.02.2019	Farmers	Insect Pest Management in Pecannut	PP	IPM	01	Khari Karmara	04	0	04	09	12	21	13	12	25
30	01.03.2019	Farmers	Canopy Management in Fruit crops	Hort	Training and pruning	01	Khanetar	07	0	07	11	0	11	18	0	18
31	02.03.2019	Farmers	Propagation techniques (grafting) in fruit crops	Hort	Training and pruning	01	KVK Poonch	07	0	07	10	0	10	17	0	17

32	03.03.2019	Farmers	High density plantation in Apple	Hort	Cultivation of Fruit	01	Mandi	08	0	08	11	0	11	19	0	19
33	04.03.2019	Farmers	High density plantation in Apple	Hort	Cultivation of Fruit	01	Surankote	08	0	08	06	01	07	14	01	15
34	07.03.2019	Farmers	Pollination and its importance in fruit set	Hort	Cultivation of Fruit	01	Sathra	08	0	08	08	0	08	16	0	16
35	11.03.2019	Farmers	Seed production of self pollinated crops	CP	Seed production	01	Khari	17	0	17	02	0	02	19	0	19
36	14.03.2019	Farmers	Insect pest and disease management in Apple	PP	IDM	01	Surankot	21	01	22	04	0	04	25	01	26
37	15.03.2019	Farmers	Insect pest and disease management in Apple	PP	IPM/IDM	01		20	0	20	0	0	0	20	0	20
38	23.03.2019	Farmers	Canopy Management in Fruit crops	Hort	Canopy Management	01	Loran	16	0	16	01	0	01	17	0	17
1	16.01.2019	Extension personnel	High Density Planting in Apple	Hort	Cultivation of Fruit	01	On Campus	18	0	18	0	0	0	18	0	18
2	24.01.2019	Extension personnel	Protected Cultivation of vegetables	Vegetables	Protective cultivation	01	On campus	21	0	21	0	0	0	21	0	21
3	28.01.2019	Extension personnel	Safety Parameters in Insecticide Usage	Plant Protection	IPM	01	On campus	17	0	17	0	0	0	17	0	17
4	16.03.2019	Extension personnel	Use of Biocontrol Agents for Disease & Pest Control	PP	IPM	01	On campus	07	03	10	03	02	05	10	05	15

	12.05.2018	Extension personnel	T&V Workshop				On campus	0	0	0	0	0	0	15	0	15
	19.06. 2018		T&V Workshop				On campus	0	0	0	0	0	0	18	0	18
	19.07. 2018		T&V Workshop				On campus	0	0	0	0	0	0	21	0	21
	21.08. 2018		T&V Workshop				On campus	0	0	0	0	0	0	13	0	13
	11.09. 2018		T&V Workshop				On campus	0	0	0	0	0	0	09	0	09
	17.10. 2018		T&V Workshop				On campus	0	0	0	0	0	0	14	0	14
	16.11. 2018		T&V Workshop				On campus	0	0	0	0	0	0	11	0	11
	18.12. 2018		T&V Workshop				On campus	0	0	0	0	0	0	16	0	16
	25.01. 2019		T&V Workshop				On campus	0	0	0	0	0	0	24	0	24
	15.3. 2019		T&V Workshop				On campus	0	0	0	0	0	0	08	0	08

(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**	
Tailoring	10 Sept. to 9 Oct.2018	Cutting and Tailoring for Rural Women and School Dropouts	Tailoring	30	0	31	31	small			14
Mushroom	Oct. to Nov., 2018	Vocational Training on Mushroom Cultivation	Mushroom production	15	12	0	12	04	04	-	-
Fruits and vegetables	21 to 26.01.2019	Value Added Products of Fruits and Vegetables	Value addition	05	32	0	32	small			05
Apple Walnut Plum Apricot	05.01.2019 to 14.03.2019	Propagation techniques (grafting) in fruit crops	Grafting	10	14	0	14	small			0

*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			exp
1	16.03.2019	Awareness cum training programme on **PPVFRA**			01	Farmers/ women farmers	05	06	02	08	49	13	62	55	15	70	**PPVFRA**	44310	13430

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

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants								
								Others			SC/ST			Total		
								Male	Female	Total	Male	Female	Total	Male	Female	Total
Total																

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	Oats	01	18	01	19	04	0	04				22	1	23
2.	Field Day	Apricot	01	03	01	04	10	01	11				13	02	15
3.	Field day	Wheat	01	02	0	02	16	06	22				18	06	24
4.	Field day	Apple	01	0	0	0	13	05	18				13	5	18
5.	Field Day	Maize	01	21	0	21	04	0	04				25	0	25
6.	Field day	Maize	01	11	04	15	0	0	0				15	0	15
7.	Field day	Maize+Rajmash	01	15	0	15	0	0	0				15	0	15
	Total		**07**	**70**	**6**	**76**	**47**	**12**	**59**	**0**	**0**	**0**	**121**	**14**	**135**
8.	Kisan Mela	Pre rabi Kissan Mela (KVK)	01	91	12	103	10	0	10	12	0	12	113	12	125
9.	Kisan Mela														
	Total														
10.	Kisan Ghosthi		05												384
11.	Exhibition		05												2000
12.	Film Show (parthenium week, nutrition PPVFRA etc.)	Parthenium management	09												520
13.	Method Demonstrations		04												
14.	Farmers Seminar														
15.	Workshop		10												147
16.	Group meetings														
17.	Lectures delivered as resource persons		106												
18.	Newspaper coverage		60										Large readers		
19.	Radio talks		06										Large audience		
20.	TV talks		01												
21.	Popular articles														
22.	Extension Literature														2211
23.	Advisory Services														
24.	Scientific visit to farmers field		97	341	87	428	319	145	464				660	232	892
25.	Farmers visit to KVK			756	394	1150	561	222	783				1317	616	1949
26.	Diagnostic visits														
27.	Exposure visits Intra district	24.01. 2019	01	23	0	23				05	0	05	23	5	28
28.	Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	Soil health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
30.	Animal Health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
31.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	Soil test	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	campaigns														
33.	Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.	Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	Celebration of important days (specify)	Farmer scientist interaction and Live Webcasting of Hon'blePrime Ministers Address	20.06. 2018	13	05	18	23	03	26	10	0	10	46	8	54
	27.06. 2018	Awareness Programme on PMFBY	01	01	0	01	32	12	44				33	12	45
	12.07. 2018	Interaction and Live Webcasting of Hon'ble Prime Ministers Address with Women, SHZ's and farmers	01	01	0	01	10	19	29				11	19	30
	16.07. 2018	ICAR Foundation Day	01	15	05	20	08	04	12				23	09	32
	15.10. 2018	Mahila Kissan Diwas	01	0	26	26	05	70	75				05	96	101
	05.12 .2018	World Soil Day	01	21	04	25	50	02	52	23	0	23	94	06	100
	23.12. 2018	Kissan Kalyan Diwas (with deptt)	03												100
	24.02. 2019	Interaction and Live Webcasting of Hon'ble Prime Ministers Address on Kissan SammanNidhi	01	14	01	15	47	16	63				61	17	78
	Grand Total		**322**												**9052**

* Example for guidance only

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**
KVK Poonch	**5261**	**08**	**08**	-	-	-	-	-	-

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2018-19

No. of Technology week celebrated	**Types of Activities**	**No. of Activities**	**Number of Participants**	**Related crop/livestock technology**
04				
(Parthenium week)	Lectures organized, film shows, community awareness, pamphlets distribution,	03	444	Parthenium management, physical, chemical, biological and integrated methods of parthenium management
Nutrition month	Lectures, presentations, debate, group discussion, pamphlets distribution, radio talk, expert lectures	04	100	Involvement of adolescent girls, anganwadi workers

Swachtaa Hi Sewa Month	Debate and poster Competitions Rally and shramdhan, park cleaning, Painting competition	06	592	Involvement of school and college students, Wall Painting on Swachhata awareness, prize distribution mass awareness through media
Swachtaa Pakhwada	Swachhata pledge Cleanliness Shramdaan and Awarenessprogramme	04		Involvement of panchayat members, mass awareness through media
	Lectures organised	42		
	Exhibition	05	2000	
	Film show	09	520	
	Fair			
	Farm Visit	52		
	Diagnostic Practicals			
	Distribution of Literature (No.)	06	2211	
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)		250	
	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

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
	Oats	Kent/Sabzaar	10.25	48841	59
	Wheat	HS 490/ Moond wheat	0.45	1282.50	03
OILSEEDS					
PULSES					
VEGETABLES	Garlic	G-313	0.20		05
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	Fruit plants		200 nos.	**19000**	
SPICES					
VEGETABLES					
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

*An example for guidance only

C) BIO PRODUCTS

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

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle	**Buffalo***	**Murrah***				
	Buffalo*					
SHEEP AND GOAT	**Goat***	**Osmanabadi***				
POULTRY	**Hen***	**Whiteleghorn***				
	Hen*	**Giriraja***				
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	Breeding single cross hybrids of maize for rainfed mid hill regions. *Journal of Pharmacognosy and Phytochemistry*	Singh, P., **Gupta, Ajay** and Singh Amit. 2018	*7(4): 1722-1724 (5.21)*
	Performance of Var. BR-104 of Rajmash (*Phaseolus vulgaris* L.) in Temperate Areas of Poonch district of J&K.	**Ajay Gupta,** Sharma, M., Sharma, V. and Mir 2018 M	*Agro Economist. An International Journal 5(1): 01-03*
	Managing chickpea wilt Fusarium oxysporum through use of biorationals	Reena, **M Sharma**, Jamwal, S., Kumar, A., Singh, M. and Sinha, B.K.	Legume Research 3987: 1-6
	Effect of integrated nutrient management on physical characteristics of guava under Meadow orcharding cv. Allahbad Safeda.	**Jamwal, S**., Mishra, S. and Singh, S. 2018.	Journal of Pharmacgnosy and Phytochemistry 2076-2079

Item	*Title*	*Authors name*	*Number of copies*
	Effect of Pusa Hydrogel and plant growth regulators on vegetative growth, flowering and fruiting of strawberry (Fragaria X Ananassa Dutch) Cv. Chandeler.	Singh, S., Mishra, S., Jamwal, S.S. and Bahadur, V. 2019.	Int. J. of Agriculture and Biology 21 (6):1117-1122
Technical reports			
Technical bulletins			
Popular articles			
Training Manual			
Extension literature			
Folders /leaflets	Nutrition Foods for Human Health	**Ajay Gupta,** Sharma M. and Mir M.	
Success stories	Seed Replacement Rate of Wheat (*Triticum aestivum L*)-SRRW by HYW variety HS-490	**Ajay Gupta**, and Muneeshwar Sharma	
	Security of Fodder through Introduction of Oat (*Avena sativa L*) Varieties Kent and Sabzar	**Ajay Gupta**, and Muneeshwar Sharma	
Case studies	Quality seed brings prosperity to Tribal farmers	**Ajay Gupta**, Sharma, M and Mir, M	
Abstracts	Reintroducing oilseeds for achieving self reliance in oilseed production in Poonch district, Jammu & Kashmir	**Ajay Gupta[1]**, Singh, P. Sharma, M and Mir, M	
	Napier growing for achieving self-reliance in fodder In *02 days Royal Association for RAASA Conference*	**Ajay Gupta[1]**, Singh, P. Sharma, M and Mir, M	
	Empowering tribal women in Poultry farming for better livelihood In *National Conference on Women Empowerment Through Agro-Entrepreneurship for Livelihood Security*	Ajay Gupta, Mir, M Sharma, M, Qasim M and Guroo M.A.	
	Standardization of methods and time of walnut grafting under mid-hill conditions of poonch In International conference on worldwide research initiatives for Agriculture, Science and Technology (WRIAST-2018)' 24-26 October 2018 at Srinagar.	Mir, M, Arora R.K., Gupta, Ajay, Sharma, M. Sharma, P Qureshi S and Guroo MA	

(C) Details of Electronic Media Produced

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

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

Integrated nutrient management in Plum to enhance the yield & quality

Muzafar Mir, Ajay Gupta, Muneshwar Sharma & S. S Jamwal

Krishi Vigyan Kendra, Poonch

Situational analysis

Poonch is one of the remotest district of Jammu and Kashmir. Land holding of the farmers of the district is very small. Average size of land holding is quite low as it is 0.20 ha only. Plum is one of the most important stone fruits grown in district Poonch covering an area of 1350.44 hectares with an annual production of 1320 M.T. Santa Rosa plum has been found to be prolific and regular bear and is most important table variety cultivated successfully in the mid-hills of district Poonch. If proper care is taken in nutrient management by using organic manures and inorganic fertilizers, the proper growth, yield & quality of plum is assured. The climate of the district is congenial for the cultivation of plum as it has an immense potential to secure the livelihoods of the farm families. By the intervention of Krishi Vigyan Kendra, Poonch, integrated nutrient management was carried out with the objective of evaluating the effect of organic and inorganic fertilizers to enhance the yield and quality of plum.

On-farm testing (OFT)

To address the problem of low yield & quality of plum in district Poonch. Integrated nutrient management was evaluating to enhance the quality and production of plum in Poonch district of Jammu & Kashmir. On-farm trials of integrated nutrient management were conducted by KVK Poonch at 5 locations for consecutive two years during 2016-17 and 2017-18. The results presented in Table 1 revealed that the highest yield (40.23 kg/tree) was recorded with the application of ($NP_{50\%}$ +$VC_{30\%}$ + $FYM_{20\%}$ and $K_{75\%}$+VC $_{15\%}$+$FYM_{10\%}$), intervention by KVK, Poonch, followed by 35.35 kg/tree with the application of Urea (735g/tree), DAP (450g/tree), MOP (1050g/ tree). Whereas, the farmers practice recorded the lowest yield 24.21 kg/tree, as against the intervention.

Table:1: Effect of integrated nutrient management on yield and quality of plum (var. Santa rosa)

Treatments	**Average yield (Kg/tree)**	**Increase over farmers practice (%)**	**Net return (Rs ha^{-1})**	**B:C ratio**
T1: Farmers Practice (Full dose of N +10-15 kg FYM)	24.21	-	336519	1.45
T2: Urea (735g/tree), DAP (450g/tree), MOP (1050g/ tree)	35.35	**46.01**	491365	2.12
T3: Intervention ($NP_{50\%}$ +$VC_{30\%}$ + $FYM_{20\%}$ and $K_{75\%}$+VC $_{15\%}$+$FYM_{10\%}$)	40.23	**66.17**	559197	2.41

Up-scaling of technology

After successful testing under OFTs, integrated nutrient management was up-scaled through Frontline Demonstrations (FLDs) in the Poonch district for its wider adoption to enhance the yield and quality of plum fruits. A total of 20 FLDs were conducted during the current season in different locations of the district. The results revealed that the yield was increased by the technology demonstrated by KVK in comparison to farmer's practices. The technology was also demonstrated by distribution of pamphlets prepared by KVK, Poonch

Impact

The highest yield (40.23 kg/tree) was recorded with the application of ($NP_{50\%}$ +$VC_{30\%}$ + $FYM_{20\%}$ and $K_{75\%}$+VC $_{15\%}$+$FYM_{10\%}$), followed by 35.35 kg/tree with the application of Urea (735g/tree), DAP (450g/tree), MOP (1050g/ tree). However, 24.21kg/tree was recorded under farmers practice. The impact of integrated nutrient management on plum indicates that integrated use of vermicompost, organic manures and chemical fertilizers in amalgation, could help in effectuating the goal of quality fruit production and paves the way for sustainable fruit production under a safe environment. Therefore, incorporated application of organic manure and inorganic fertilizers may be a etter choice for enhancing yield and quality of plum in the district.

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

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

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

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

9.E. Field activities

i.	Number of villages adopted	01
ii.	No. of farm families selected	22
iii.	No. of survey/PRA conducted	01

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

	Status of establishment of Lab	:	N/A
1.	Year of establishment	:	N/A
2.	List of equipment's purchased with amount	:	N/A

Sl. No	Name of the Equipment	Qty.	Cost
1	Mridaprikshak Soil Testing Mini Lab (Solar operated)	2017	86000.0
2	Power tiller	2017	156985
3	Tractor trolley	2017	99984
4	Seed treatment drum (3 nos.)	2017	8130
5	Wheel hoe (4 Nos.)	2017	4840
6	Mini Tractor	2017	293800
Total			

3. **Details of samples analyzed / Soil Health Cards issued during 2018-19 :**

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

4. Status of mini soil testing labs/kit : 02
5. Year of procurement of lab/kit : 2016 (01): 2017 (01)
6. No. of mini labs with the KVK : Nil
7. Type of mini labs (Name of lab/Kkt) :

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2018-19 : 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)

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)

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

11.0 LINKAGES

11.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. Chief Agriculture Office, Poonch	Farmer Trainings, Kisan melas, Diagnostic visits, Kisan Ghoshties, meetings, T&V, Exhibitions etc
2. Chief Horticulture Office, Poonch	-do-
3. Animal Husbandry department	-do-

4. Sheep Husbandry department	-do-
5. Department of Fisheries	-do-
6. Lead bank, J&K	-do_
7. Department of Floriculture	Farmer Trainings, Kisan melas, Diagnostic visits, Kisan Ghoshties, meetings etc
8. Department of Sericulture	Farmer Trainings
9. Nehru Yuva Kendra	Camps, Youth trainings
10. ATMA	Exposure visit, FLD, Trainings
10. BSF and Army camps	Joint camps, Diagnostic visits, Expert lectures Skill development 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

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
	Kissan Mela	joint	
	Kissan Ghoshti	joint	
	Farmer scientist interaction	joint	
	Joint diagnostic visits	joint	

Coordination activities between KVK and ATMA during 2018-19

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	03	03	-	-
	Technology Week				
	Exposure visit	01	01		
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	FFS				
06	**Publications**				
	Video Films				

S. No.	*Programme*	*Particulars*	*No. of programmes attended by KVK staff*	*No. of programmes Organized by KVK*	*Other remarks (if any)*
	Books	CITRUS PATHOLOGY	M K Pandey **Muneeshwar Sharma** and Mohd Suhail	Write & print Publications 2019	
		Organic Vegetable Farming: An Eco Friendly Technology for sustainable Development	Sandeep Kumar Manoj Kumar and **Muneeshwar Sharma**	Write & print Publications 2019	
	Extension Literature				
	Pamphlets				
	Others News coverage				
07	**Other Activities**				

11.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any

11.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY

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)

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	
1	Vermicompost unit	2015							
2									

12.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals	Wheat								
Rice									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits	23/02/2018	-	0.5	-	Pecan nut,	3000	14160	-	Seed sown
					walnut			19000	
Vegetables									
Others (specify)									
Fodder	Nov 2017	May 2018	2.0	Kent	Seed	10.25	20320/	48841	
fodder	June 2018		1.8	MP cherry	green	Auctioned	17450/	62040	

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

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

12.4 Performance of instructional farm (livestock and fisheries production)

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

12.5 Utilization of hostel facilities:

Accommodation available (No. of beds) = 40

Months	***No. of trainees stayed***	***Trainee days (days stayed)***	***Reason for short fall (if any)***
April 2018	-	-	-
May 2018			
June 2018			
July 2018			
August 2018			

September 2018			
October 2018			
November 2018			
December 2018			
January 2019			
February 2019			
March 2019			

12.6. Database management

S. No	*Database target*	*Database created by the KVK*
1	1000	1650

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit

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

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

Name of the crop	Number of plant materials produced

Other activities organized using Rainwater Harvesting Demonstration Unit

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	SKUAST-J Chatha	
With KVK	J&K Bank	Main Branch Poonch	22987 (revolving)
	J&K Bank	Programme Coordinator, KVK poonch	22969

13.2 Utilization of KVK funds during the year 2018-19 (up to March 2019)

SL.No	Budget Head	Other than TSP	TSP	SCSP	TOTAL
	Grants for Creation of Capital Assets (Capital)				
1	Works				
	A. Land				
	B				
	(i) Building				
	(II) Office building				
	(ii) Residential building				
2.	Equipment		1.00		
3.	Information technology		0.15		
4.	Library books and journal		0.20		
5.	Vehicles & vessels				
6.	Livestock				
7.	Furniture and fixture				
8.	Others		1.50		
	Total capital (Grants for creations of capital assests)		2.85	0.00	2.85
1.	Grant in aid salary				
	Pay and allowances	92.60			92.60
	Total pay and allowances	**92.60**			
	Grant in Aid – General				
2.	Travelling allowances (domestics)	1.00			1.00
	T.A (Foreign)				
	Total TA	**1.00**			
3.	A. Research Expenses		9.00	0.00	10.67
	B. Operational expenses				
	C. Infrastructure (Rent, electricity, water charges , veh running exp. Insurances)	0.50			
	D. Communication (postage and telephone)	0.25			
	E. Others (excluding TA) (printing and stationery consumable ,advertising legal professional charges	0.92			
	F. Publicity and exhibitions				
	G. Guest house –maintenance (recurring only)				
	H. Others miscellaneous				
	1. Repair and maintenance				
	(i) Equipments, vehicles and others				
	(ii) Office Buildings				
	(iii)Residential Buildings				
	Revolving fund				
	Total Recurring Contingence	**1.67**	9.00	0.00	10.67
	Grant in Aid-General (RC+TA)	**2.67**	9.00	0.00	11.67
	Grant Total (Capital +Salary+General)	**95.27**	11.85	0.00	107.12

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 2014 to March 2015	78976+ (FDR:3,50,000)	119125	8614	189487+ (FDR:3,50,000)
April 2015 to March 2016	418829.00	89567.00	43275.00	465121.00
April 2016 to March 2017	465121.00	201338	42082.00	624377
April 2017 to March 2018	624377	67276	302440	899418
April 2017 to March 2018	899418	99116	94874	903660 (including 4.0 lakh FDR)

14. Details of HRD activities attended by KVK staff during 2018-19

Name of the staff	*Designation*	*Title of the training programme*	*Institute where attended*	*Date*
Dr Ajay Gupta Dr Muneeshwar Sharma	SMS	Attended State level Annual Action plan meeting of Jammu and Kashmir for 2018-19	KVK RS Pura	16.04.2018 to 17.04.2018
Dr. Muneeshwar Sharma	SMS	21 Day Training Programme on	NIPHM, Hyderabad	07.06.2018 to 27.06.2018
Dr. Ajay Gupta	SMS	Attended PFMS workshop	SKUAST-J Chatha	05.06.2018
Dr. Ajay Gupta	SMS	Participated in ZRAEC	SKUAST-J Chatha	25.06.2018
Dr. Ajay Gupta, Dr Muneeshwar Sharma	SMS	PCRA Training	KVK R.S. Pura	09.07.2018
Dr. Ajay Gupta	SMS	Attended 02 days training programme on Forage production and utilization for livelihood security in North western Himalayas	SAMETI, SKUASt-J	26.07.2018 27.07.2018
Dr. Ajay Gupta	SMS	Participated in ICAR TCS Training at Data Centre, NKN Lab	SKUAST-J	31.08.2018
Dr. Muzafar Mir	SMS	10 day Training programme on Innovation in weed Management in context of changing agrarian needs.	SKUAST-K	18.09.2018 to 27.09.2018

Dr. Ajay Gupta	SMS	Participated in National Conference on Agro-Tourism, doubling of Farmers Income, Economics of production and Marketing of Cashew nut and Coconut	Goa	25-26 October, 2018
Dr. Ajay Gupta	SMS	Participated in 02 days RASAA Conference	SKUAST-J Chatha	19.11.2018 20.11.2018
Dr. Ajay Gupta, Dr. Muneeshwar Sharma,	SMS	National Conference on Women Empowerment Through Agro-Entrepreneurship for Livelihood Security (WE-2019)	Baba Jitto Auditorium, SKUAST-Jammu, Chatha	07-08 February 2019
Dr. Ajay Gupta, Dr. Muneeshwar Sharma, Sh. S.S. jamwal	SMS	Participated in 02 days training programme on "organic Farming for sustainable Agriculture	SAMETI, SKUAST-J	06-07 March, 2019
Dr. Ajay Gupta, Dr. Muneeshwar Sharma Sh. S.S. Jamwal	SMS	University level workshop of KVKs of Jammu	SKUAST-J Chatha	28.03.2019
Dr. Ajay Gupta, Dr. Muneeshwar Sharma Sh. S.S. Jamwal	SMS	Attended 01 day Training at SAMETI	SAMETI, SKUAST-J	30.03.2019

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

External funded Projects

Title	Funding Agency	Year of Start	Duration of Project	Total approved budget of theProject (Lacs)	PI of the Project
Enhancing livelihood opportunities through agro-technological interventions of tribal communities of rajouri poonch and Reasi dist.	EPHS, ICAR, GOI, New Delhi	2013	CONTINUED	48.38 lakhs	Dr. A. **Ishar** *Co-PIs Dr.* ***AJAY Gupta*** ***Dr. M. Sharma*** *Dr. M. Mir*

Achievements TSP

TSP sub component	Varieties/ Hybrid	Area Covered (ha.)	Families benefitted	DBT applicable component
Promotion of hybrids in maize	Pro Agro 4794/ Double Deklab	47.0	172	135000
Strengthening of small dairy units	ISI Cattle feed	-	34	50490
Promotion of Backyard poultry	Chabroo/ Devendra	7933 commercial day old chicks	212	166071
Promotion of high yielding varieties of fodder crop (Oats)	Kent	10.75	55	59125/-
Promotion of high yielding varieties of Wheat	VL 907/HS562/HS542	5.60 ha	25	26920/-
Balanced fertilizer application under FLD's	Urea/DAP/MOP	15	100	146490
Capacity building of tribal farmers	Production techniques in Maize/wheat/ Oats	-	249	
Strengthening of small dairy units	305 UMMB Blocks (05 blocks/beneficiary) distributed	-	75	30000
Promotion of high value fruit crops	FLD on **Peacanut (**200 plants)**and walnut (100 plants)**		30	19000/-
Establishment of Cutting and Tailoring center Under TSP	10 sewing machines provided to Jhullas and Degwar	02 panchayats	02	32571/
Distribution of chaff cutter	provided to tribal clusters	14 panchayats	14	70112.0
Protected structures (polyhouses) for off season vegetable cultivation	provided to 02 identified tribal clusters	02 panchayats	02	57162/-
Set of small implements	Set of spade, sickle, iron rake, cob sheller, beetle hoe	01 panchayat	20	6540/-

Collaborative Programmes

	Organized by	Date	Venue	Participan	Name of Scientist
Kissan Kalyan Diwas	Department of Agriculture and KVK Poonch	02.05.2018	Jhullas	35	Dr. Ajay Gupta
		02.05.2018	Lassana	50	Dr.Muneeeshwar sharma
		02.05.2018	Mandi	15	Dr.Muzafar Mir
Awareness Programme on Parthenium	Department of Agriculture and KVK Poonch	28.06.2018	Jhullas	38	Dr. Ajay Gupta
Debate competition on Swachatta	NYK and KVK Poonch	02.10.2018	GHSS Khanetar	100	Dr. Ajay Gupta
Exposure Visit of Farmers to KVK Poonch	KVK Poonch &Deptt. Of Agriculture Poonch	24.01.2019		23	DrMuneeshwar Sharma

Participation in Kissan mela/Agriculture Camp

	Organized by	Date	Venue	Participants
kisan mela	Department of Agriculture	12.03.2019	Fazlabad, Surankote	350
Kisan Mela PMSKY		16.03.2019	Loran	550
Exhibition cum kisan mela		26.03.2019	Chief Agri office poonch	1200

Joint diagnostic visits (Collaborative Programmes)

		Organized by	Date
1	Joint diagnostic visit kharif (Maize)	Department of Agriculture	01.10.2018

Annexures

District Profile - I

1. General census

Population	4.76	Lacs as per 2011 Census
Male (Population)	2.52	Lacs as per 2011 Census
Female (Population)	2.24	Lacs as per 2011 Census
Number of Tehsils	06	--
Number of Blocks	11	--
Number of Panchyats	189	--
Number of villages	178	--
Area	114381	ha
Total Sown Area	45310	ha
Irrigated area	3719	ha
%age irrigated area	12.18	%
Area under forests	34050	ha
Land put to Non - Agriculture Use	8487	ha
Barren and Un-cultivated Land	18276	ha
Permanent Pastures & Grazing Land	18561	ha

Source: Digest of statics 2012-13

2. Agricultural and allied census

S. No	Crop	Area (ha)	Production (Qtls)	Productivity (Qtls /ha)
1	Paddy	3621	10,320.0	24.00
2	Maize	23828	48,000	20.00
3	Wheat	14970	22,725	15.15
Area, Production and Productivity of major fruit crops in district. Area(Ha) and Production (M.T)				
S. No	**Crop**	**Area (ha)**	**Production (MT)**	**Productivity (t /ha)**
1	Apple	2082.00	2499.00	1.20
2	Pear	1623.00	4263.00	2.63
3	Apricot	892.00	591.00	0.66
4	Peach	607.00	670.00	1.10
5	Plum	1322.00	1194.00	0.90

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

Category	Population	Production	Productivity
Cattle			
Crossbred	53432	38125 MT (Milk)	5 lts/day in 305 days
Indigenous	38626	13725 MT (Milk)	3 lts/day in 305 days
Buffalo	113284	45750 MT (Milk)	3 lts/day in 305 days
Sheep			
Crossbred	235300	Mutton 26.389 lakh kg Wool 6.852 lakh kg	
Indigenous	172100		
Goats	164800		
Rabbits	21	--	--

APR 2018-19

Poultry				
Improved		183708	72 Lakh eggs	80 eggs/layer/year
Category		**Area**	**Production**	**Productivity**
Fish				
Marine		--	--	--
Inland	*Culture*	3.45 ha	7.78 tonnes	2.25 t/ha
	captue		145.8 tonnes	

3. Agro-climatic zones

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

4. Agro-ecosystems

1	AES-I	Plain Topography with Thick Soil and Canal Irrigated
	AES-II	Slopy land with thin soil cover and rainfed
	AES-II	Thick growth of coniferous and deciduous forests

5. Major and micro-farming systems

S. No	Farming system/enterprise
1	**Rainfed** Maize + Rajmash (Mono cropping) Maize + Rajmash + Potato Maize – Wheat Maize- Oat Maize- Mustard **Fruit Crops:** Apple, Pecanut, Walnut, Peach, Plum and Apricot
2	**Irrigated (canal)** Paddy (Monocropped) Paddy- Berseem Paddy – Wheat

6. Major production systems like rice based (rice-rice, rice-green gram, etc.), cotton based, etc.

Production system
Rainfed
Maize + Rajmash (Mono cropping)
Maize – Wheat
Maize- Oat
Irrigated (canal)
Paddy (Monocropped)
Paddy- Berseem
Paddy – Wheat

7. Major agriculture and allied enterprises

Agriculture:	Maize, Paddy, Fodder, Oilseeds, Pulses
Horticulture:	Pecan nut, Apricot, Plum, Walnut, Sandy Pear, Apple
Animal Husbandry:	Cows, Buffaloes, Sheep & Goats, Poultry

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

Include

1. Names of villages, focus area, target area etc.
2. Survey methods used (survey by questionnaire, PRA, RRA, etc.)
3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc.
4. Analysis and conclusions
5. List of location specific problems and brief description of frequency and extent/ intensity/severity of each problem
6. Matrix ranking of problems
7. List of location specific thrust areas
8. List of location specific technology needs for OFT and FLD
9. Matrix ranking of technologies
10. List of location specific training needs

Technology Inventory and Activity Chart - III

Include

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

Sl. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation
1.	Cv. BSMR-8 *	Pigeonpea	2006	MAU, Parbhani	Notification no. 656 dated 25.06.2006 of Central/State Varietal Release Committee/ Proceedings no. 66 of MAU, Parbhani dated 04.02.2006
2.	Modified Paddy Drum Seeder*	Improved Farm Implements	2007	Directorate of Rice Research	Proceedings/Notification no. 77 of DRR, Hyderabad dated 04.02.2007
3.	Stem application of Imidachloropid @ 0.04%*	Cotton	2008	ANGRAU, Hyderabad	Proceedings/Notification no. 88 of ANGRAU, Hyderabad dated 04.02.2008

PS * an example for guidance only

3. Activity Chart

Crop/Animal/Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
Cotton	Low productivity of cotton under rainfed medium black soils of Northern Amaravati	1) Imbalance fertilizer application 2) Pest and disease occurance 3) Flower and fruit drop due to micro-nutrient deficiency	1. Application of recommend dose of Nutrients 2. Integrated Pest control 3. Micro-nutrient i.e boron application to control flower and fruit drop	1. Single component FLD to demonstrate effect of recommended dose of nutrients 2. Training and FLD programme on integrated pest management of cotton pest 3. OFT on management boron deficiency to control flower and fruit drop	1. Sl. No. 6 of Technology Inventory 2. Sl. No. 45 of technology Inventory 3. Sl. No. 99 of Technology inventory
Soybean					
Mulberry					
Jersy Cow					

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

Include

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

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

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