

ANNUAL REPORT 2016-17

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	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 2016)

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: 8000				
2	I/c Scientist & Head	Dr. Ajay Gupta		Agronomy	15600-39100 G.P: 7000	32730	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		Fruit Science	15600-39100 G.P: 5400	21630	01/07/2014	Permanent	General
6	Subject Matter Specialist	Dr. Muneeshwar Sharma		Plant Protection	15600-39100 G.P: 5400	21630	02/07/2014	Permanent	General
7	Subject Matter Specialist	Vacant							
8	Programme Assistant	Sh. S.S. Jamwal		Horticulture	9300-34800 G.P: 4200	16630	14/08/2008	Permanent	General
9	Programme	Sh. Mohd.		Computer	9300-	14780	03/06/2	Permanent	S.T.

	Assistant	Qasim		Sciences	34800 G.P: 4200		012		
10	Farm Manager	Sh. Mushtaq Ahmad Guroo		Entomology	9300-34800 G.P: 4200	14780	03/07/2012	Permanent	General
11	Accountant / Superintendent	Sh. Darshan Kumar		-	9300-34800 G.P: 4600	25900	11/11/2008	Permanent	General
12	Stenographer	Sh. Sahil Talgotra		-	5200-20200 G.P: 2400	10770	30/01/2012	Permanent	General
13	Driver	Sh. Sukhwant Singh		-	9300-34800 G.P: 4600	9190	30/07/2012	Permanent	General
14	Driver	Sh. Mohd. Aslam		-	5200-20200 G.P: 2400	8990	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	6680	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-Completed
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	36430 KM	Good
Motorcycle	2012	45,202	12430 KM	Good
Mini Tractor	2017	293800	-	Good

C) Equipments & 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		
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

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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

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

Sl. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1.	08.02.2017	13	3	Attached	To be incorporated in Action Plan-2016-17

MINUTES OF 9th SCIENTIFIC ADVISORY COMMITTEE MEETING OF KVK POONCH ORGANIZED ON 8th FEBRUARY 2017

9th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Poonch was organized on 8th February, 2017 in the Conference Hall of KVK, Poonch. The meeting was chaired by Associate Director Extension & (I/c KVKs), SKUAST- Jammu Dr. R. K. Arrora and was attended by Dr. Razdan, Prof. & Head, Division of Plant Breeding & Genetics, Dr. Sanjay Khar Professor, Division of Ag. Engineering, I/c, MBRSS, Poonch, District officers of line departments and progressive farmers of district Poonch. The meeting started with welcome address by Dr. Muneeshwar Sharma, Scientist (Plant Protection). Dr. Ajay Gupta, Member Secretary, SAC and Sr. Scientist & Head, KVK-Poonch presented agenda items as mentioned below.

Agenda Items	Title
Agenda Item - 1	Confirmation/Approval of Proceedings of 8th SAC Meeting held on 21th December 2015. Proceedings of the 8 th SAC meeting were circulated among all the members of SAC and the same were confirmed by the house.
Agenda Item - 2	Action Taken Report of 8th SAC Meeting of KVK Poonch held on 21th December 2015. Action taken on the recommendation of the members of SAC during 8 th SAC meeting was presented before the house. (Annexure-I)

Agenda Item - 3	Financial Expenditure for the year 2016-17 The financial expenditure of KVK-Poonch for the year 2016-17 was presented before the house.
Agenda Item – 4	Presentation of Progress Report (1st April 2016 to 8th Feb, 2017) Progress report of KVK w.e.f. 1 st April 2016 to 8 th Feb, 2017) was presented before the house.
Agenda Item – 5	Achievements of Externally Funded Projects for the year 2016-17 The overall achievement of externally funded projects for the year 2016-17 was presented before the house
Agenda Item – 6	Action plan for the year 2017-18. The action plan for the year 2017-18 was presented in detail before the house.

1. While discussing the issue of Maize hybrids and composites, I/c, MBRSS Poonch informed the house that 26% more yield was obtained from composite varieties as against farmers practice (Local check). Associate Director Extension & (I/c KVKs), SKUAST-Jammu directed to I/c, MBRSS Poonch for supplying the seed of composites for the distribution among farmers.

(Action: MBRSS, Poonch)

2. While discussing the issue of Post Harvest Management of Rajmash, I/c Sr. Scientist & Head KVK, Poonch informed the house that two kg each of Local Moth & Rajmash were procured from Loran & same were submitted to Director Research, SKUAST-J for further purification & development . Chief Agricultural Officer, Poonch requested for conducting some training programmes on post harvest management in rajmash. Chairman directed, Sr. Scientist & Head, KVK-Poonch for conducting the training programmes on post harvest management of Rajmash in collaboration with Department of Agriculture and to collect the feed-back from such training programmes.

(Action: KVK Poonch & Department of Agriculture)

3 While discussing the Moond Wheat as a more preferred feed than the Oats, Associate Director Extension & (I/c KVKs),directed, Sr. Scientist & Head, KVK-Poonch to test and compare the nutritional value of Moond Wheat and oats.

(Action: KVK Poonch)

4 Chief Horticulture Officer, Poonch requested for conducting some training programmes on horticulture especially on canopy management, Pollination in fruit crops, budding and grafting of fruit crops. He also requested for procuring strawberry runners from KVK on bill basis for onward

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distribution to farmers. Associate Director Extension & (I/c KVKs), instructed I/c. Sr. Scientist & Head, KVK-Poonch to finalize the training programmes in collaboration with Department of Horticulture and increase the number of such training programmes as desired by Chief Horticulture Officer, Poonch to get the feed-back from such trainings and also to identify the farmers who are really interested to undergo such training programmes. He also assured Chief Horticulture Officer that the Department can utilize the services of Fruit Scientist, KVK, Poonch, at any time. He also directed SMS Fruit Science, to generate the maximum number of quality planting material of walnut and Pecan nut to full fill the farmers need in Poonch district and maintain the crop register properly. Chief Horticulture Officer, Poonch informed the house that thrust should be given on the zonalization.

(Action: KVK, Poonch & Department of Horticulture)

5 Chief Animal Husbandry Officer 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 emphasized the need for identification of reasons for phosphorus deficiencies in animal and measures to overcome the deficiency. Associate Director Extension & (I/c KVKs) instructed I/c. Sr. Scientist & Head, KVK to analyze the soil sample of ten demarcated phosphorus deficiency areas in collaboration with Department of Animal Husbandry, Poonch. He also instructed to I/c. Sr. Scientist & Head, KVK, Poonch to utilize the services of Dr. Mandeep Singh Azad, Scientist Animal Science, KVK Reasi for making the UMMB blocks and distribute them among the farmers. He emphasized the need for identification of reasons for phosphorus deficiencies in animal and measures to overcome the deficiency.

(Action: KVK Poonch & Department of Animal Husbandry)

Associate Director Extension & (I/c KVKs) directed, I/c. Sr. Scientist & Head, KVK-Poonch for ensuring seed certification before distributing to the farmers. He also directed that the breeder seed should be given to the progressive farmers so that they can multiply it on their own field.

(Action: KVK Poonch & Department of Agriculture)

While discussing the issue of trainings on Fisheries, Associate Director Extension & (I/c KVKs) directed that trainings on fish breeding should be given practically so that the trainees can be trained by “learning by doing” and the training programmes on fish breeding should be organized in collaboration with the Department of Fisheries on appropriate/suitable time of fish breeding. Assistant Director

Fisheries assured to 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)

Appreciating the work and efforts of KVK and addressing to the suggestions and queries from the members, Associate Director Extension & (I/c KVKs) SKUAST-Jammu apprised that there is an excellent linkage between the KVK and allied departments and directed Sr. Scientist & Head, KVK-Poonch for conducting the demand based training programmes for farmers and extension functionaries. He advised the officers of line department to prepare a catalog of training programmes well in advance and communicate the same to Sr. Scientist & Head, KVK, Poonch. He also appreciated the various initiatives undertaken by the scientists of KVK to bring succor to farmers community and exhorted them to sustain this positive engagement with the growers. Associate Director Extension & (I/c KVKs) directed, Sr. Scientist & Head. KVK-Poonch to involve HoDs of the concerned Divisions before developing action plan to make it fit, more vibrant & HoDs inputs and recommendations should be included in the action plan. He directed Sr. Scientist & Head. KVK-Poonch, to encourage SC/ST farmers in the next (SAC) meeting and also invite the MLA/MLCs/Board Members of Schedule tribe, while distributing the TSP items/equipments/inputs, till Panchayat elections. He also directed, Sr. Scientist & Head to celebrate “**Mahela Divas**” on 15th of Oct. and also invite local MLA/MLCs for participation.

With regard to vocational trainings, Associate Director Extension & (I/c KVKs) SKUAST-Jammu, directed, Sr. Scientist & Head, KVK-Poonch to focus on employment generation enterprises like floriculture, vegetable cultivation, poultry, mushroom cultivation, value addition of fruits & vegetables and trainees be scanned before being registered for any training programme to full fill the objectives.

The meeting ended with the vote of thanks proposed by Dr. Muzafar Mir, Scientist (Fruit Science), KVK, Poonch. Dr Muzafar Mir & Sh Mushtaq Guroo recorded the proceedings of the meeting.

List of Participants of 9th SAC Meeting of KVK, Poonch held on 8th of February 2017.

S. No.	Name	Designation
1.	Dr. R. K. Arora	Associate Director Extension & I/c.KVKs
2.	Dr. A.K Razdan	Prof. & Head, Div. of PBG, SKUAST-J
3.	Dr Sanjay Khar	Professor, div. of Ag. Engineering, SKUAST-J

4.	Dr. Parveen Singh	Incharge MBRSS, Poonch
5.	Sh. Inderjit Singh	District Agriculture Officer, Ext. Poonch
6.	Sh. S. K. Angurana	Chief horticulture Officer, Poonch
7.	Dr. V.K. Bhalla	District Sheep Husbandry Officer, Poonch
8.	Sh. Bashir Ahmed	District Officer, Fisheries, Poonch
9.	Sh. Mohd Fareed	Horticulture Development Officer
10.	Sh. Mohd Ishtiyah	Progressive farmer
11.	Sh. Mohd Sadiq	Progressive farmer
12.	Sh. Mohd Sadeeq	Progressive Farmer
13.	Dr. Ajay Gupta	I/c.Sr. Scientist & Head, KVK Poonch

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

2. DETAILS OF DISTRICT (2016-17)

Poonch is located on the Southern slopes of Pir Panjal range and as such is rugged with spurs and valleys. It lies between 33⁰ 25' to 34⁰10' North latitude and 73⁰ 58' to 74⁰ 35' East longitude. It is bounded on the north by Baramulla 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

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April 2016	25.0	N.A.	N.A.	N.A.
May 2016	27.5	N.A.	N.A.	N.A.
June 2016	226.0	N.A.	N.A.	N.A.
July 2016	119.5	N.A.	N.A.	N.A.
August 2016	25.0	N.A.	N.A.	N.A.

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September 2016	30.0	N.A.	N.A.	N.A.
October 2016	-	N.A.	N.A.	N.A.
November 2016	-	N.A.	N.A.	N.A.
December 2016	-	N.A.	N.A.	N.A.
January 2017	272.0	N.A.	N.A.	N.A.
February 2017	73.0			
March 2017	81.5			
Total	879.5	N.A.	N.A.	N.A.
Mean	73.29	N.A.	N.A.	N.A.

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	53432	38125 MT (Milk)	5 lts/day in 305 days
<i>Indigenous</i>	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	
<i>Indigenous</i>	172100		
Goats	164800		
Pigs	--	--	--
<i>Crossbred</i>	--	--	--
<i>Indigenous</i>	--	--	--
Rabbits	21	--	--
Poultry			
Hens			--
<i>Desi</i>			--
<i>Improved</i>	183708	72 Lakh eggs	80 eggs/layer/year
Ducks	--	--	--
Turkey and others			

Category	Area	Production	Productivity
Fish			
<i>Marine</i>	--	--	--
<i>Inland</i>	<i>Culture</i>	3.45 ha	7.78 tonnes
	<i>captue</i>		145.8 tonnes
Prawn	--	--	--
Scampi	--	--	--
Shrimp	--	--	--

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

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Poonch Haveli	Haveli	Madari Magnad Jhallas, Nangali, Salotri, Digwar, Bandi Chechian, Khanetar	Maize (<i>Zea mays</i>), Paddy (<i>Oryza sativa</i>), Fodder	- Low Productivity in maize and paddy - Fodder scarcity - Non availability of fertilizer at right time	- INM & IPM in Paddy and Maize - Standardization of wheat Production technology under rainfed conditions - Introduction of improved fodder varieties. - Standardization of Pulses Production technology under rainfed conditions
2	Mandi	Mandi	Sathra, Rajpura, Mandi, Loran, Saujian	Maize (<i>Zea mays</i>), Rajmash (<i>Phaseolus</i> 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 - Introduction of Kalazeera for Monocropped area of the block -Training & Pruning -INM in fruits
3	Surankote	Surankote, Bufliaz	Draba, Potha, Kallar,	Maize (<i>Zea mays</i>) Rajmash (<i>Phaseolus</i> sp.) Paddy (<i>Oryza sativa</i>)	- Low Productivity in maize and paddy - Large Mono-cropped area	- INM & IPM in Maize - IPM in rajmash
4	Mendhar	Mendhar	Ucchaad, Mankote	Mustard Wheat (<i>Triticum aestivum</i>)	- Problem of weed management in wheat - Use of Local varieties for oilseed	- - Standardization of wheat Production technology under rainfed conditions - Introduction of improved varieties of oilseed
5.	Balakote		Balakote	Maize (<i>Zea mays</i>)	- Low productivity in maize - Low productivity in pomegranate -	- INM & IPM in Maize - -Control of anar butterfly
6.	Mankote		Mankote	Maize Fodder	Improving the yield and quality in mustard Scarcity of fodder during winter months	- Nutrient management in mustard - Identification/Introduction of suitable fodder crops
Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Agriculture	
Maize (<i>Zea mays</i>)	- Integrated Nutrient & Pest Management - Introduction of single cross hybrids
Paddy (<i>Oryza sativa</i>)	- Integrated Nutrient Management, IPM/IDM , Weed management
Wheat (<i>Triticum aestivum</i>)	- Standardization of Production technology under rainfed conditions, Weed management
Pulses Rajmash (<i>Phaseolus vulgaris</i>)	- 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 (<i>Pyrus communis</i>)	Micro Nutrient Management, Rejuvenation of Old Orchards, IPM/IDM
Plum (<i>Prunus domestica</i>),	Application of Micronutrients, Rejuvenation of Old Orchards, IPM/IDM
Apple (<i>Malus sylvestris</i>)	Promoting INM, IPM/IDM
Walnut (<i>Juglans spp.</i>)	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 2016-17**

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises,)			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
5	5	25	25	40.0 ha	53.5 ha	200	244

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	-	35	-	849				
Rural youth	5	5	-	133				
Extn. Functionaries	8	8	-	130				
PPVFRA	1	1	-	124				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
15.0	15.0	2000	3200

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	02		-		1	5	--	--	-	-
2		Wheat	Low Productivity due to traditional varieties		Use of quality seed in wheat	02		01		-	5	-	-	-	-
3		Oats	Low Productivity due to traditional varieties			02						-	-	-	-
4		Plum	Low quality and yield due to imbalanced use of fertilizers	Integrated Nutrient management in Plum (9 years of age)		01		-			-	-	-	-	
4		Apple	Low quality and yield due to imbalanced use of fertilizers	Integrated Nutrient management in Apple (12 years of age)		01		-			-	-	-	-	
		Fruit crops	Propagation techniques in fruit crops			03	01								
		Fruit crops	Canopy management			03	01	01		04					
		Fruit crops	Alternate bearing			02									
		Fruit crops	INM			02									
5		Rajmash	Low yield due to anthracnose disease	Management of Anthracnose in Rajmash		01		-		-	-	-	-	-	-

6		Cucumber	Low yield due to powdery mildew	Management of Powdery mildew in cucumber		01								
		Paddy	Poor nursery			01								
2	IPM & IDM	Pecan nut	Management of insect pest in walnut		-	01						-	-	-
		Apple				01								
		Vegetables			-							-	-	-
		Maize + Rajmash	Management of cut worm in maize+rajmash under mixed cropping	-	-	01						-	-	-
		Chillies	Wilt management			01								
		Paddy		-	-	01						-	-	-
		Seed treatment		-	-	02						-	-	-
		Stored Grains		-	-	02		01				-	-	-
			Application techniques					01						
			Biocontrol Agents					01						
3	Fodder Crop Production	Oats	-Scarcity of fodder -Monocropping	Evaluation of oats varieties	Use of quality seed in oats	01		-	-	10.25		-	-	-
		Vermi composting				01								
		Perennial Grasses	Scarcity of fodder	-	Promotion of Napier	01						-	-	-
	IWM	Maize				01		02	27					

		Wheat			Promotion of HY variety	01		01		5.45				
	Mushroom						01							
	ICT						01							
	Value addition						01							
					35	05	08							

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		01	02			05

* *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

<i>Thematic areas</i>	<i>Crop</i>	<i>Name of the technology assessed</i>	<i>No. of trials</i>	<i>Number of farmers</i>	<i>Area in ha (Per trail covering all the Technological Options)</i>
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	Oats	Evaluation of Oats Varieties	5	5	0.75
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management	Rajmash	Management of Anthracnose in Rajmash	5	5	0.5
	Cucumber	Management of Powdery mildew in cucumber	5	5	0.5
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

3.2.2. 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	Oats	Evaluation of Oats Varieties	5	5	0.75
Integrated Pest Management					
Integrated Crop Management					
	Rajmash	Management of Anthracnose in Rajmash	5	5	0.5
Integrated Disease Management	Cucumber	Management of Powdery mildew in cucumber	5	5	0.5
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

3.2.3. Technologies assessed under Livestock and other enterprises

<i>Thematic areas</i>	<i>Name of the livestock enterprise</i>	<i>Name of the technology assessed</i>	<i>No. of trials</i>	<i>No. of farmers</i>
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

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

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

A. Technology Assessment

Trial1

1. Title : Evaluation of promising varieties in Oats
2. Problem diagnose/defined : Low productivity of Oats due to cultivation of Kent
3. Details of technologies selected for assessment/refinement : Variety Kent (Farmers Practice)**
Sabzaar (SKUAST-K)
Palampur-1 (CSKHPKV, Palampur recommended)
4. Source of technology : CSKHPKV, Palampur
5. Production system thematic area : Rainfed cereal based system (Paddy-wheat)
6. Thematic area : Varietal evaluation**
7. Performance of the Technology with performance indicators : Maximum yield of Green Fodder 300 qt/ha was recorded from the variety Palampur-1
8. Final recommendation for micro level situation : Variety Palampur-1 tested through OFT will be recommended for cultivation
9. Constraints identified and feedback for research : Non availability of seed of Palampur-I in sufficient quantity
10. Process of farmers participation and their reaction : Farmers actively participated in the trial and were satisfied with the performance of the variety Palampur-1 for getting the optimum yield of Green Fodder

B). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	8	9	10
Oats	Rainfed	Low yield due to cultivation of varieties	Evaluation of promising fodder varieties in Oats of temperate areas			Green Fodder Yield (qt/ha)	Optimum yield of Green Fodder 300 qt/ha was recorded from the variety Palampur-1	Farmers actively participated in the trial and were satisfied with the performance of the variety Palampur-1 for getting the optimum yield of Green Fodder
				04	Kent	256		
					Sabzaar	281		
					Palampur-1	300		

* No. of farmers

Technology Assessed	*Production per unit (single cut)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Kent	25600	33750	2.64
Sabzaar	28200	35800	2.78
Palampur-1	30000	39500	2.92

*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 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 + Spray of Carbendazim @ 0.5 gm/l
 - iii. Seed treatment with Carbendazim 2.5 gm/kg + Spray of Mancozeb @ 3 gm/l
- 4) Source of technology : Package of practices of SKUAST-Jammu
- 5) Production system thematic area :
- 6) Thematic area : Integrated disease Management
- 7) Performance of the Technology with performance indicators :

Results of the trial at farmers field revealed that anthracnose in rajmash can be effectively managed by the Seed treatment with Carbendazim @ 2.5 gm/kg and Spraying of Carbendazim @ 0.5 gm/l gave better results than other treatments and thereby increasing the yield (27.86 %).
- 8) Final recommendation for micro level situation : final recommendations after 2 years study
- 9) Constraints identified and feedback for research : Non availability of quality plant protection chemicals in local market and reliability of farmer on shopkeepers for selection of pesticides.
- 10) Process of 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	40	Least % disease incidence was recorded in the seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Carbendazim @ 0.5 gm/l	Farmers were sowing the crop without seed treatment and foliar spray to control the anthracnose disease incidence after the technology refinement they got higher returns
				Seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Carbendazim @ 0.5 gm/l	10.4				
				Seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Mancozeb @ 3 gm/l	14.4				

* No. of farmers

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Farmers Practice (No Chemical)	361.40	47980	2.97
Seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Carbendazim @ 0.5 gm/l	557.20	86640	4.49
Seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Mancozeb @ 3 gm/l	501.80	75360	4.01

*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 powdery mildew in cucumber
- 2) Problem diagnose/defined: Low production due to powdery mildew
- 3) Details of technologies selected for assessment /refinement :
- i. No measures (Farmers Practice)
 - ii. Spray of wettable powder @2.5 gm/l
 - iii. Spray of Dinocap @ 0.5ml/l
- 4) Source of technology : Package of practices of SKUAST-Jammu
- 5) Production system thematic area :
- 6) Thematic area : Integrated disease Management
- 7) Performance of the Technology with performance indicators :
- Results of the trial at farmers field revealed that powdery mildew in cucumber can be effectively managed by the three sprays of dinoseb 0.5ml/L than other treatments and thereby increasing the yield (27.86 %).
- 8) Final recommendation for micro level situation : Final recommendations after 2 years study
- 9) Constraints identified and feedback for research : Non availability of quality plant protection chemicals in local market and reliability of farmer on shopkeepers for selection of pesticides.
- 10) Process of 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
Cucumberr	Rainfed	Low production due to powdery mildew disease	Management of powdery mildew in cucumber	05	Farmer practice (no chemical)	% disease incidence	39.0	Least % disease incidence was recorded after the three sprays of dinocap @ 0.5 ml/l	Farmers are satisfied with the results of the spray of Dinocap @ 0.5ml/l and are willing to apply the same in future in their fields	Farmers were sowing the spray without applying any management practice to control the powdery mildew disease and after the technology refinement. They got higher returns
					Three sprays of wetable sulphur @ 2.5 grm/l after the appearance of symptoms		13.0			
					Three sprays of dinocap @ 0.5 ml/l after the appearance of symptoms		7.0			

* No. of farmers

Technology Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
12	13	14	15
Farmer practice (no chemical)	3600	25500	3.42
Three sprays of wetable sulphur @ 2.5 grm/l after the appearance of symptoms	4324	32240	3.93
Three sprays of dinocap @ 0.5 ml/l after the appearance of symptoms	4768	36680	4.33

*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 (5%) 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	05	Imbalanced dose of Urea & FYM(farmers practices) N=735g/tree, P=450g/tree, K=1050 g/tree NP(urea _{50%} VC _{30%} , FYM ₂₀ and K _{75%} + VC _{15%} , +FYM _{10%}	Yield (Kg/tree)	19.85 23.88 24.32	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.

* 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)	19.85		
N=735 g/tree, P=450 g/tree, K=1050 g/tree	23.88		
NP(urea _{50%} VC _{30%} , FYM ₂₀ and K _{75%} + VC _{15%} , +FYM _{10%}	24.32		

*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 (45%) 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)	25.95	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		30.95		
					N= (Urea=50%, VC= 30%, FYM= 20%), P (DAP=25%, VC=50%, FYM=25%), K (MoP=75%, VC=15%, FYM=10%)		31.32		

* 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)	25.95		
N=735g/tree, p=280 g/tree, K=1080g/tree	30.95		
N= (Urea=50%, VC= 30%, FYM= 20%), P (DAP=25%, VC=50%, FYM=25%), K (MoP=75%, VC=15%, FYM=10%)	31.32		

*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 2016-17

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration				Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	OBC	Others	Total	
	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pulses	Rain fed	Kharif	Rajmash	Local Lorán	-	Plant protection	IPM	2	3	2	-	13	15	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cereals	Rainfed	Kharif 2016	Maize	Double deklab proAgro 4794	Double deklab proAgro 4794	Replacement of traditional varieties	SCHs	20.0	24.75	24	-	61	85	-
		Rainfed	Rabi-2016-17	Wheat	HS490/WH 1105		Seed replacement	Improved variety	5.0	5.45	9		24	33	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vegetables	Rainfed	Rabi	Garlic	G-313		Improved variety	Variety	0.2	0.2	2		2	4	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fruit	Rainfed	Rabi	Strawberry	Chandler		Popularization of strawberry as cash crop	Variety	0.5	0.5	4		6	10	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Rainfed	Rabi-2016-17	Oat	Kent	-	Replacement of fodder wheat with oat	Introduction of oat as fodder crop	10.0	10.25	26		56	82	
		Rainfed	Kharif 2016	Napier	Napier hybrid				-	1.0	5		7	12	
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Poultry														
	Rabbitry														
	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mussels														
	Ornamental fishes														
	Oyster mushroom														
	Button mushroom														
	Vermicompost														

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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	
	Sericulture														
	IFS														
	Apiculture														
	Implements														
	Others (specify)														

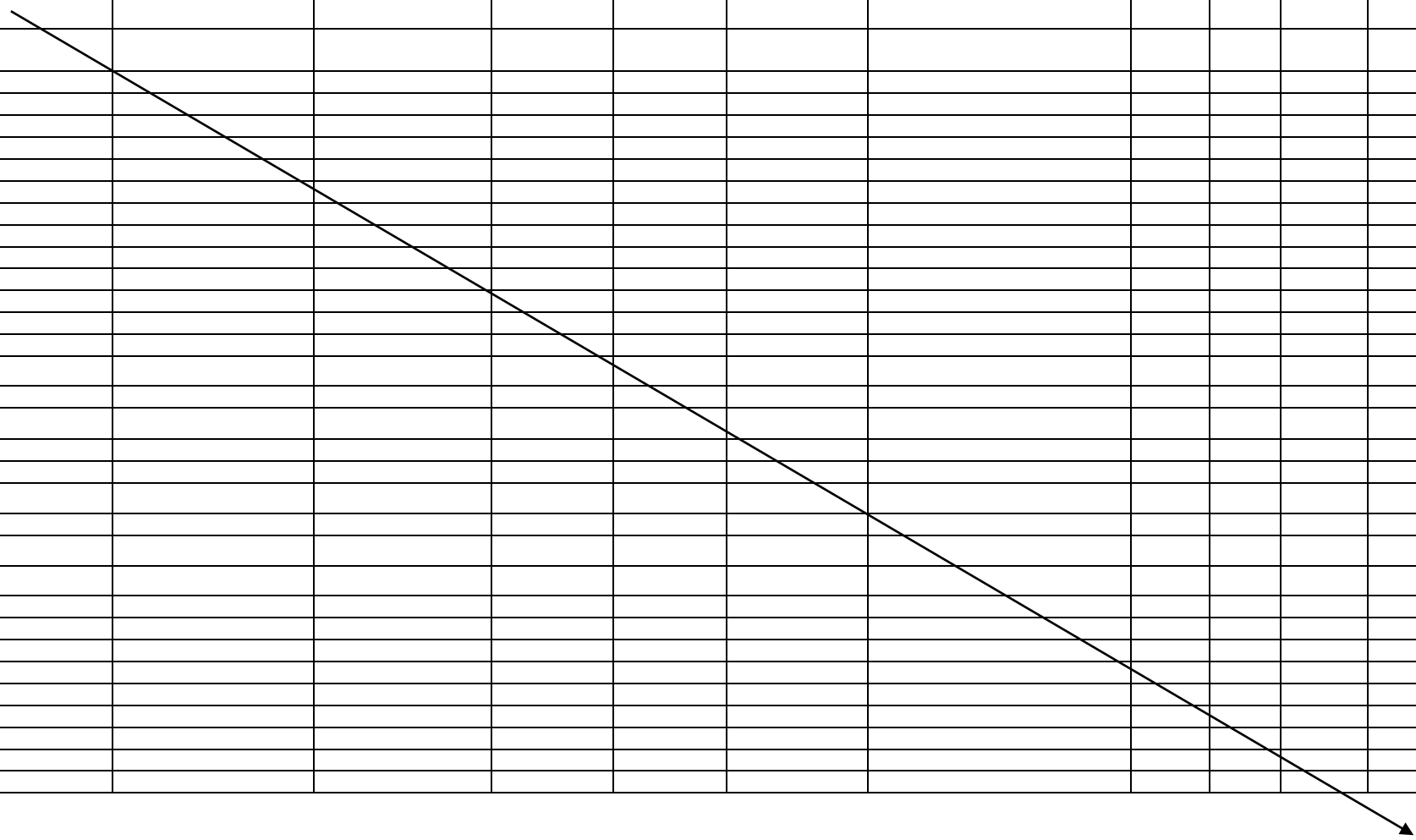
4.A. 1. Soil fertility status of FLDs plots during 2014-15

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											
	Fruit											

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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	
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder											
	Plantation											
	Fibre											
	Dairy											
	Poultry											
	Rabbitry											
	Piggery											
	Sheep and goat											
	Duckery											
	Common carps											

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

B. Results of Frontline Demonstrations

4.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds																			
Pulses	IPM	Local Loran	-	Rainfed	15	3.0	5.55	4.25	4.98	2.83	75.90	26000	99600	73600	3.83	24300	56600	32300	2.33
Cereals	Variety		Double deklab	Rainfed	49	14.0	52.0	38.3	45.2	30.1	50.2	26600	70980	44380	2.67	19200	41087	22067	2.16
			Pro-Agro 4794	Rainfed	36	10.75	46.30	38.20	42.3	29.4	43.9	26600	63200	36600	2.38	19200	40131	21111	2.11
Wheat	Variety	Rainfed	Rabi-2016-17	Wheat	HS490														
				WH 1105	26	5.45	39.6	36.4	38.0	27.5	38.1	17300	60800	43500	2.51	16100	44000	27900	1.73
Millets																			
Vegetables	Rainfed	Rabi	Garlic	G-313	4	0.2	100.0	84.0	92.0	76.8	19.8	155200	736000	580800	4.74	134000	614400	480400	3.58
Flowers																			
Fruit	Rainfed	Rabi	Strawberry	Chandeller	10	0.5	166.0	142.0	154.0	-	-	188000	1660000	1472000	7.82	-	-	-	-
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder	Rainfed	Rabi-2016-17	Oat	Kent	82	10.25	320 Green Fodder	240	280	214	30.8	12600	48000	35400	2.81	12000	32100	20100	1.68

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* 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.)

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

; 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./m ²)				*Economics of check (Rs./unit) or (Rs./m ²)				
					Demo		Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A										
Common carps	-	-	-	-	H	L	A	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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./m ²)				*Economics of check (Rs./unit) or (Rs./m ²)			
					Demo	Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

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	-	-	-	-	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.)

<i>Data on other parameters in relation to technology demonstrated</i>		
<i>Parameter with unit</i>	<i>Demo</i>	<i>Local</i>
-	-	-

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

<i>Sl.No.</i>	<i>Activity</i>	<i>No. of activities organised</i>	<i>Number of participants</i>	<i>Remarks</i>
1	Field days	04	82	
2	Farmers Training			
3	Media coverage	02		
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	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	01	06	01	07	10	08	18	16	09	25	
Cropping Systems	-	-	-	-	-	-	-	-	-	-	
Crop Diversification	-	-	-	-	-	-	-	-	-	-	
Integrated Farming	-	-	-	-	-	-	-	-	-	-	
Water management	-	-	-	-	-	-	-	-	-	-	
Seed production	03	22	12	34	21	11	32	43	23	66	
Nursery management											
Integrated Crop Management											
Fodder production	01	09	0	09	11	0	11	20	0	20	
Production of organic inputs	01	06	0	06	13	02	15	19	02	21	

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II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	02	35	06	41	22	03	25	57	09	66
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	02	26	0	26	17	0	17	43	0	43
Integrated Disease Management	01	04	04	08	09	0	09	13	04	17
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming		-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production										
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-	-	-	-	-	-	-	-	-	-	-

colonies and wax sheets										
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	11	108	23	131	103	24	127	211	47	258
(B) RURAL YOUTH										
Mushroom Production	01	18	28	46	07	04	11	25	32	57
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production	02	21	0	21	14	0	14	35	0	35
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and										

implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	01	06	0	06	04	0	04	10	0	10
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL	04	45	28	73	25	04	29	70	32	102
(C) Extension Personnel										
Productivity enhancement in field crops	03	38	0	38	01	0	01	39	0	39
Integrated Pest Management	02	54	0	54	0	0	0	54	0	54
Integrated Nutrient management	02	08	02	10	07	0	07	15	02	17
Rejuvenation of old orchards										
Protected cultivation										

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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	01	20	0	20	0	0	0	20	0	20
Gender mainstreaming through SHGs										
TOTAL	08	120	02	122	08	0	08	128	02	130

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	02	17	3	20	6	6	12	24	8	32
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production	01	08	0	08	13	0	13	21	0	21
Nursery management	01	12	0	12	09	0	09	21	0	21
Integrated Crop										

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Management										
Fodder production	01	0	0	0	13	10	23	13	10	23
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning	04	66	05	71	50	07	57	116	12	128
Layout and Management of Orchards	02	25	0	25	20	05	25	45	05	50
Cultivation of Fruit	02	29	0	29	30	05	35	59	05	64
Management of young plants/orchards	01	10	0	10	12	5	17	22	5	27
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	01	14	0	14	21	0	21	35	0	35
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	05	51	01	52	48	02	50	99	03	102
Integrated Disease Management	04	30	08	38	44	06	50	74	14	88
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry										

and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	24	262	17	279	266	46	312	529	62	591
(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	01	05	21	26	0	05	05	05	26	31
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL	01	05	21	26	0	05	05	05	26	31
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected										

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

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	02	17	3	20	6	6	12	24	8	32
Resource Conservation Technologies	01	06	01	07	10	08	18	16	09	25
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production	04	30	12	42	34	11	45	64	23	87
Nursery management	01	12	0	12	09	0	09	21	0	21

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Integrated Crop Management										
Fodder production	02	09	0	09	24	10	34	33	10	43
Production of organic inputs	01	06	0	06	13	02	15	19	02	21
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning	04	66	05	71	50	07	57	116	12	128
Layout and Management of Orchards	02	25	0	25	20	05	25	45	05	50
Cultivation of Fruit	02	29	0	29	30	05	35	59	05	64
Management of young plants/orchards	01	10	0	10	12	5	17	22	5	27
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	03	49	06	55	43	03	46	92	09	101
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	-	-	-	-	-	-	-	-	-	-

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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	77	01	78	65	02	67	142	03	145
Integrated Disease Management	05	34	12	46	53	06	59	87	18	105
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming		-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production										
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-

Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL	35	370	40	410	369	70	439	740	109	849
(B) RURAL YOUTH										
Mushroom Production	01	18	28	46	07	04	11	25	32	57
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production	02	21	0	21	14	0	14	35	0	35
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	02	11	21	32	04	05	09	15	26	41
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	05	50	49	99	25	09	34	75	58	133
(C) Extension Personnel										
Productivity enhancement in field crops	03	38	0	38	01	0	01	39	0	39
Integrated Pest Management	02	54	0	54	0	0	0	54	0	54
Integrated Nutrient management	02	08	02	10	07	0	07	15	02	17
Rejuvenation of old orchards										

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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	01	20	0	20	0	0	0	20	0	20
Gender mainstreaming through SHGs										
	08	120	02	122	08	0	08	128	2	130

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

	Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
								Male	Female	Total	Male	Female	Total	Male	Female	Total
1	26.04.2016	Farmers	Management of Stored Grain Pests	Plant Protection	IPM	01	On campus	12	0	12	5	0	5	17	0	17
2	03.05.2016	Farmers	Nursery raising techniques in paddy	Crop production	Nursery management	01	Off campus	12	0	12	9	0	9	21	0	21
3	19.05.2016	Farmers	Production techniques of Maize	Crop production	Seed production	01	On campus	9	0	9	12	0	12	21	0	21
4	20.05.2016	Farmers	Safety concerns during use of Pesticides in Agriculture.	Plant Protection	IPM	01	Off campus	12	0	12	7	0	7	19	0	19
5	23.05.2016	Farmers	Seed treatment for effective control of seed and soil borne diseases.	Plant Protection	IDM	01	Off campus	8	0	8	12	1	13	20	1	21
6	02.06.2016	Farmers	Production techniques of Maize	Crop production	Seed production	01	Off campus	8	0	8	13	0	13	21	0	21
7	09.06.2016	Farmers	Insect pest & disease management in Paddy nursery.	Plant Protection	IPM	01	Off campus	5	0	5	16	0	16	21	0	21
8	16.06.2016	Farmers	Production techniques of Kharif fodder crops (Sorghum)	Crop production	Fodder production	01	On campus	9	0	9	11	0	11	20	0	20
9	23.06.2016	Farmers	Integrated Pest and disease management in Maize & Rajmash under mixed cropping	Plant Protection	IPM	01	Off campus	15	0	15	5	0	5	20	0	20
10	28.06.2016	Farmers	Integrated Pest Management in Vegetable Crops.	Plant Protection	IPM	01	Off campus	8	0	8	12	0	12	20	0	20
11	12.07.2016	Farmers	Weed Management in Kharif Crops	Crop production	Weed Management	01	Off campus	6	3	9	2	3	5	9	5	14
12	31.08.2016	Farmers	Wilt management in chillies	Plant Protection	IDM	01	Off campus	3	8	11	14	5	19	17	13	30
13	02.09.2016	Farmers	Propagation techniques (Budding) in fruit crops	Fruit science	Plant Propagation techniques	01	On campus	14	0	14	21	0	21	35	0	35
14	05.09.2016	Farmers	Propagation techniques (Budding) in fruit crops	Fruit science	Plant Propagation techniques	01	Off campus	23	3	26	9	0	9	32	3	35

15	08.09.2016	Farmers	Physiological disorders in fruit crops	Fruit science	Management of young plants/orchards	01	Off campus	11	1	12	12	1	13	23	2	25
16	28.10.2016	Farmers	Seed production in wheat	Crop production	Seed production	01	On campus	4	7	11	2	2	4	6	9	15
17	08.11.2016	Farmers	Seed treatment for effective control of seed borne diseases	Plant Protection	IDM	01	On campus	4	4	8	9	0	9	13	4	17
18	10.11.2016	Farmers	Agonomic practices for increasing rabi fodder yield	Crop production	Fodder production	01	Off campus	0	0	00	13	10	23	13	10	23
19	11.11.2016	Farmers	Seed Production in wheat	Crop production	Seed production	01	On campus	9	5	14	7	9	16	16	14	30
20	21.12.2016	Farmers	PradhanMantriFasalBimaYojna for the benefit of farmers	Crop production		01	On campus	6	1	7	10	8	18	16	9	25
21	22.12.2016	Farmers	Weed management in rabi crops	Crop production	Weed management	01	Off campus	11	0	11	4	3	7	15	3	18
22	31.01.2016	Farmers	Canopy management (training an pruning in fruit crops)	Fruit science	training an pruning	01	Off campus	17	0	17	10	0	10	27	0	27
23	02.02.2017	Farmers	-d0	Fruit science	training an pruning	01	Off campus	15	4	19	14	6	20	29	10	39
24	03.02.2017	Farmers	-do-	Fruit science	training an pruning	01	Off campus	23	0	23	14	0	14	37	0	37
25	21.02.2017	Farmers	Pollination and its importance in fruit set	Fruit science		01	Off campus	8	0	8	25	5	30	33	5	38
26	22.02.2017	Farmers	Propagation techniques in fruit crops)	Fruit science	Plant Propagation techniques	01	On campus	12	3	15	13	3	6	25	6	31
27	27.02.2017	Farmers	Pollination and its importance in fruit set	Fruit science		01	Off campus	21	0	21	5	0	5	26	0	26
28	28.02.2017	Farmers	Management of stored grain pests	Plant Protection	IPM	01	On campus	14	0	14	12	0	12	26	0	26
29	01.03.2017	Farmers	Insect pest management	Plant Protection	IPM	01	Off campus	9	1	10	12	0	12	21	1	22
30	02.03.2017	Farmers	Nursery raising techniques in fruit crops	Fruit science	Nursery raising	01	On campus	10	0	10	12	5	17	22	5	27
31	07.03.2017	Farmers	Vermicomposting and its importance	Crop production	Organic inputs	01	On campus	6	0	6	13	2	15	19	2	21
32	13.03.2017	Farmers	Insect pest and disease management in Apple	Plant Protection	IPM	01	Off campus	14	0	14	2	0	2	16	0	16

33	14.03.2017	Farmers	Insect pest and disease management in peacanut	Plant Protection	IPM	01	Off campus	7	0	7	12	2	14	19	2	21
34	14.03.2017	Farmers	Balanced application of fertilizers in fruit crops	Fruit science	INM	01	Off campus	11	0	11	10	4	14	21	4	25
35	15.03.2017	farmers	Integrated nutrient management in fruit crops	Fruit science	INM	01	Off campus	14	0	14	10	1	11	24	1	25
1	11.08.2016	Extension personnel	Physiological and nutritional disorders in fruit crops	Fruit science		01	On campus	2	1	3	4	0	4	6	1	7
2	29.08.2016	Extension personnel	Chemical weed control field crops	Crop production	Weed management	01	On campus	8	0	8	1	0	1	9	0	9
3	30.08.2016	Extension personnel	Chemical weed control in field crops	Crop production	Weed management	01	On campus	18	0	18	0	0	0	18	0	18
4	23.09.2016	Extension personnel	Management of stored grain pests	Plant Protection	IPM	01	On campus	27	0	27	0	0	0	27	0	27
5	12.01.2016	Extension personnel	Recently released varieties, high yielding varieties for Jammu hill region	Crop production		01	On campus	12	0	12	0	0	0	12	0	12
6	20.01.2016	Extension personnel	Pesticide Application Techniques in plant Protection.	Plant Protection	IPM	01	On campus	27	0	27	0	0	0	27	0	27
7	24.01.2016	Extension personnel	Use of Biocontrol Agents and other Mechanical methods in Organic Farming.	Plant Protection		01	On campus	20	0	20	0	0	0	20	0	20
8		Extension personnel	Canopy management (training and pruning in fruit crops)	Fruit science	training and pruning	01	On campus	5	1	6	4	0	4	9	1	10

(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 elsewhere
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Computer	06.05.2016	Use of ICT in Agriculture	Computer	01	10	0	10				
Apple Walnut Plum Apricot	09.08.18 to 12.08.16	Budding in fruit crops	Budding	03	21	0	21				

Mushroom	October 2016 5,6,7,13,14,17,18,24,25,26,27,28,31 November 2016 (8 and 11 Nov.)	Mushroom cultivation (on campus)	Mushroom cultivation	15	25	32	57						
Fruits and vegetables	03.10.2016 01 to 05.11.2016	Value added products of fruit and vegetables for rural youth	Value addition	06	5	26	31						
Apple Walnut Plum Apricot	13.03.2017 to 16.03.2017	Propagation techniques in fruit crops		04	20	0	20						

*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/RV/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		
1	11.03.2017	One day training cum awareness programme on PPVFRA, 2001		Conservation and registration of local varieties/germplasm	01	Farmers	05	9	0	9	96	19	115	103	21	124	PPVFRA Authority	80,000/-

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

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RV/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	Maize (13.09.2015)	1	11	1	12	2	1	3	-	-	-	12	3	15
2.	Field Day	Maize 20.09.2016	1	11	0	11	7	1	8				12	7	19
3.	Field day	Maize + Rajmash	1	16	0	16	0	0	0				16	0	16
4.	Field day	Winter vegetables	1	27	4	31	1	0	1				31	1	32
	Total		4	65	5	70	10	2	2				71	11	82
5.	Kisan Mela														
6.	Kisan Mela														
	Total														
7.	Kisan Ghosthi	23.12.2016	7	30	10	40	28	19	47						123
8.	Exhibition														
		17-18 March 2017	3												
9.	Film Show (parthenium week, PPVFRA etc.)	Parthenium management	10	16	0	16	42	0	42				58	0	58
10.	Method Demonstrations														
11.	Farmers Seminar		1	10	0	10	10	1	11				20	1	21
12.	Workshop		5												
13.	Group meetings														
14.	Lectures delivered as resource persons		116												
15.	Newspaper coverage														
16.	Radio talks		15												
17.	TV talks														
18.	Popular articles														
19.	Extension Literature														
20.	Advisory Services														
21.	Scientific visit to farmers field														
22.	Farmers visit to KVK														
23.	Diagnostic visits														
24.	Exposure visits	PPVFRA conference	01				5	0	5				5	0	5
25.	Ex-trainees Sammelan														
26.	Soil health Camp														
27.	Animal Health Camp	08.03.2017	1	24	7	31	4	7	11				28	14	42
		09.03.2017	1	6	0	6	30	1	31				36	1	37
28.	Agri mobile														

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	clinic															
29.	Soil test campaigns															
30.	Farm Science Club Conveners meet															
31.	Self Help Group Conveners meetings															
32.	Mahila Mandals Conveners meetings															
33.	Celebration of important days (specify)	Parthenium Week 16-08-2016 to 22-08-2016														
		Swachtaa diwas														
		Jai Kissan Hai Vigyan week														
		Seachtaa pakhwara														
	Grand Total			151	22	173	129	30	159					218	27	366

* 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	1620	13	13	-	-	-	-	-	-

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

No. of Technology week celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
03 (Parthenium week, Jai Kissan Jai Vigyan, Swachtaa Pakhwada)	Gosthies	03	114	Parthenium management, physical, chemical, biological and integrated methods of parthenium management
	Lectures organised	18	114	
	Exhibition			
Parthenium week Jai Kissan Jai Vigyan	Film show	10	114	
	Fair			
	Farm Visit			
	Diagnostic Practicals			

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	Distribution of Literature (No.)		228	
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

7. Production and supply of Technological products

A) SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
	Oats	Kent	12.0	69000	82
	Wheat	HS 490	2.50	6250	12
OILSEEDS					
PULSES					
VEGETABLES	Garlic	G-313	0.20		
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		3200 nos.		
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

<i>Item</i>	<i>Title</i>	<i>Authors name</i>	<i>Number of copies</i>
Research papers	<p>I. Study on comparative efficiency of bio-organic nutrients on plant growth, leaf nutrient content and fruit quality attributes in Kiwifruit.</p> <p>II. Effect of calcium & Boron on reproductive performance of Sweet Cherry <i>cv Bigarreau Noir Grossa</i></p>	<p>Babita Khachi, Som Dev Sharma and Muzafar Mir</p> <p>G.I. Hassan, Muzafar Mir, Siloni Salathia</p>	
Technical reports	<p>Monthly Reports</p> <p>Quarterly Reports</p> <p>Annual Progress Report</p> <p>TSP Report</p> <p>PPVFRA report</p> <p>Parthenium week Report</p> <p>Swacchta Pkhwada report</p>		
Technical bulletins			
Popular articles			
Training Manual			
Extension literature	Napier Grass-A perennial fodder source	Dr. Ajay Gupta, Sh. M.A. Guroo, Dr. Muneeshwar Sharma, Dr. Muzaffar Mir	500
Folders /leaflets	Pradhan Mantri Fasal Bima Yojana-	Dr. Ajay Gupta, Sh. M.A. Guroo, Dr. Muneeshwar Sharma, Dr. Muzaffar Mir	200
	Congress grass ka prabhandan	Dr. Ajay Gupta, Dr. Muzaffar Mir and Sh. M.A. Guroo	200
	Kisson ke liye Podh kisamon aor krishak aadhikar sarankshan	Dr. Ajay Gupta, Dr. Muneeshwar Sharma, Dr.	100

<i>Item</i>	<i>Title</i>	<i>Authors name</i>	<i>Number of copies</i>
	AAdhiniyam	Muzaffar Mir and Sh. M.A. Guroo	
	Cultivation of peacanut, walnut, peach and plum in urdu language	Dr. Muzaffar Mir Sh. M.A. Guroo, Dr. Ajay Gupta, Sh. Mohd. Qasim	300
TOTAL			

(C) Details of Electronic Media Produced

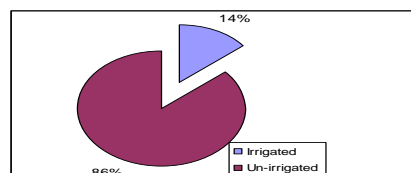
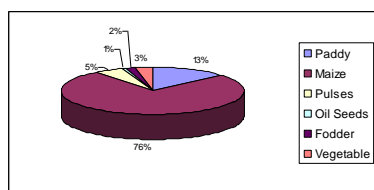
S.No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

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

HYBRID MAIZE BRINGS PROSPERITY TO FARMERS

Background Information

- Poonch is one of the remotest district of Jammu and Kashmir State. The average size of land holdings is quite low as it is 0.20 ha only.
- Maize is the most important crop of the district and is cultivated in an area of approximate **24 thousand hectares**. Agricultural productivity of maize is low i.e. **20.0 quintals** per hectare (Digest of statistics, 2014-15). Moreover, 86 % of the maize crop in the district is sown rainfed.



- In general farmers usually grow traditional varieties or household seed
- The scarcity of quality seed, its timely availability, lack of knowledge about suitable hybrids, high price of hybrid seed etc. were the challenges before farmers in adoption of improved hybrids. As a result, more than 80 per cent of the farmers were growing local seed of maize only.
- These varieties were low yielding, highly susceptible to many diseases. Due to low yield, the farmers were not getting profit from growing maize crop.
- KrishiVigyan Kendra-Poonch felt an urgent need to change the mind set of the farmers of the district. A team of scientists were engaged to find out performance of some hybrids under On farm trials which can fit perfectly in the cropping system of maize growing areas of this district.

Description of technology

- **Identification of problem:** Baseline survey was conducted by the team of KVK scientists to identify the major constraints of low production and productivity of maize crop.

- **Practising Farmer Trainings:** Various training and awareness programmes were conducted on cultivation of maize hybrid and prevention of post harvest losses. **Trainings** were imparted to the beneficiaries about improved agronomic practices viz. proper seed rate, fertilizer application, line sowing and weed management during *kharif*
- Before introducing the hybrids in the district, **some hard working and progressive farmers were selected** for laying the Front Line Demonstrations (FLDs) so that more number of farmers can be convinced.
- **Evaluation trials were also conducted** on the experimental farm of KrishiVigyan Kendra and farmers field to show relative advantage of hybrids over traditional varieties. Critical input in the form of seeds have been regularly been supplied to the farmers under Front Line Demonstrations (FLDs) of KVK for horizontal expansion of the hybrids to bring more area under maize cultivation. More than **456 Front Line Demonstrations** were conducted on the farmers' field during *kharif*2009 to *kharif*2016 in the district under ISOPPOM and KVK trials (Fig. 1 and Fig 2). The performance of hybrids was excellent with grain yield ranging from 45-60 qtls/ha

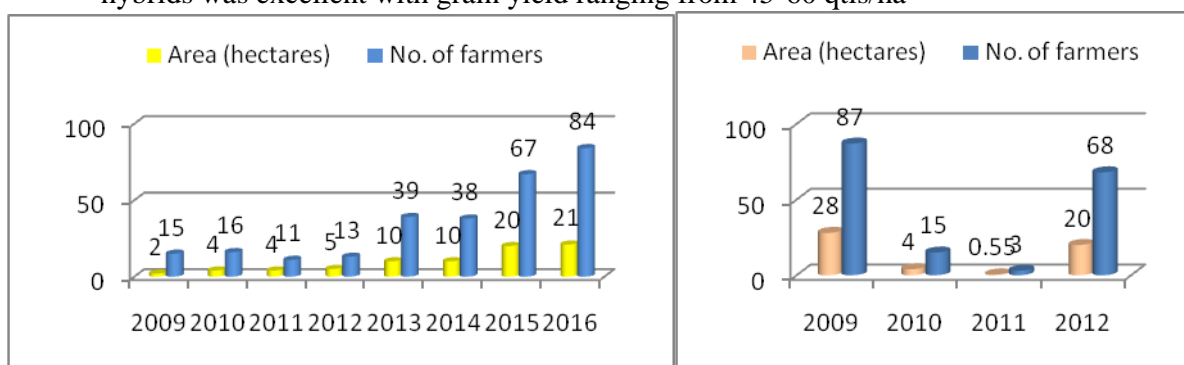


Figure 1 FLD on Maize under KVK

Figure 2 FLD on Maize under ISOPPOM

- **Maize commodity village:** KVK Poonch has adopted a small remote village Digwar in the block Haveli of district Poonch as Maize village under Specific Commodity Village for increasing production and productivity of maize crop. To enhance the maize productivity in the adopted village, many activities have been undertaken since *kharif*2015.

Baseline survey and identification of families		
FOCUSSED GROUP DISCUSSION	May	To identify the major constraints of low production and productivity of maize.
Awareness-cum-Training Programme	May	The farmers were apprised about importance of quality seed, line sowing, weed management and other practices for improving the yield of maize crop.
Distribution of Quality Seed	May/ June (Ist week)	The quality seed of high yielding varieties/ cultivars of maize were also distributed by KVK to the selected 28 farmers in 2015 and 26 farmers in 2016 of the village to conduct Front Line Demonstrations (FLDs) on their fields.

Laying out of FLDs	Ist week of June	The KVK Team monitored the laying out of FLDs by the farmers of the village who were provided seed
Regular Monitoring of FLDs	July-Aug	The KVK Team monitored the laying out of FLDs by the farmers of the village who were provided seed
Visit by dignitaries	18.07.2015	Hon'ble Vice Chancellor and Director Extension, SKUAST-J along with KVK team conducted monitoring visit at adopted Maize Village Digwar on 17 th August 2015 and interacted with the farmers for understanding their problems.
Plat protection measures	September	Scientist plant Protection conducted visit of Degwar village at silking and tasseling stages and at harvest
Field day cum KissanGhoshti	October	Maize day was conducted in commodity village in 2015 and in 2016 at harvest/maturity time where large nos. of farmers from adjoining villages also participated
Monitoring of yield	October November	The scientists visited the farmers fields to monitor the yield of maize crop

Gain in knowledge and skills of participating farmers: Due to the KVK interventions viz. awareness programmes, field days, front line demonstrations etc. there is considerable improvement in adoption of improved practices viz. line sowing, seed rate, fertilizer application etc.

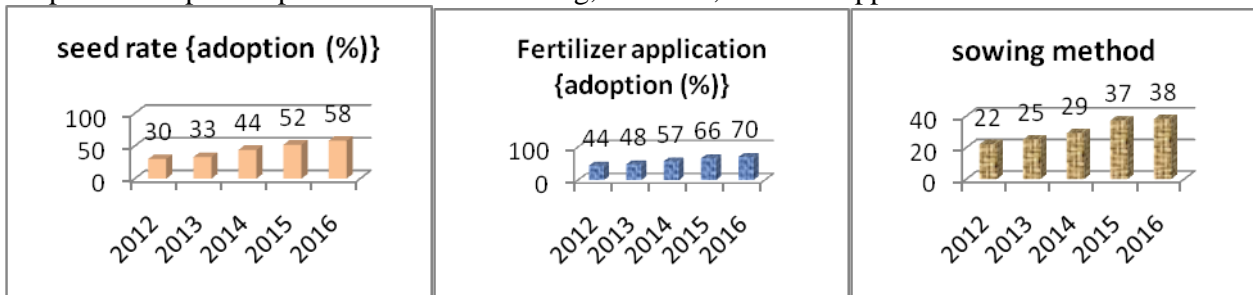


Figure 3-5 (Fig. 3 seed rate, Fig. 4 fertilizer application)

The farmers in the cluster villages were using very high seed rate i.e 3-4 kg/kanal as against 1.0-1.25 kg/kanal which led to crop competition, lodging and low yield. KVK Poonch demonstrated the advantage of using proper seed rate to the farmers and as a result farmers in the cluster villages have adopted proper seed rate as illustrated in Fig. 3. Similarly, farmers used to apply higher urea 8 kg/kanal as against recommended dose of 5 kg /kanal. Due to KVK intervention, 70% farmers in cluster village have started using recommend fertilizer dose and the adoption rate has witnessed an upward trend as shown in fig 4. A similar response has been observed in line sowing. However, under hill conditions, the adoption rate of line sowing is not gaining as use of maize seed drill is not feasible in most of the farm conditions.

In addition to this, the yield of hybrids in front line demonstrations ranging from 30.9 to 50.7 % was obtained in different years over local sown seed as shown in **fig 6**.

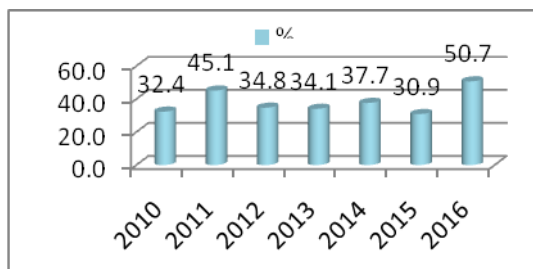


Fig 6: Increase in yield of hybrids over local check in Front Line demonstrations



Horizontal spread: The area under hybrid maize has increased over the years. Krishi Vigyan Kendra has introduced hybrids in maize in kharif 2008. Since then, there is a significant increase in area under hybrids in the district. Fig. 6 and fig 7 clearly illustrate that the Seed demand and area under maize hybrids (DD and 4794) has increased significantly during last 3 years. The overall area under hybrids is to the extent of 85 % of total area under maize in the district.

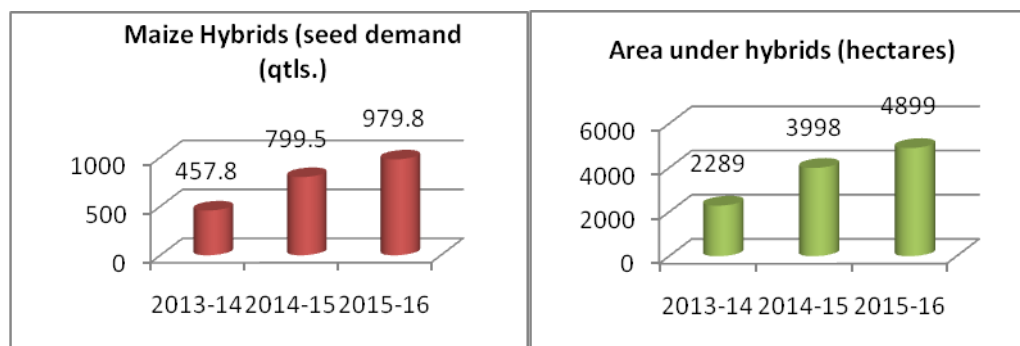
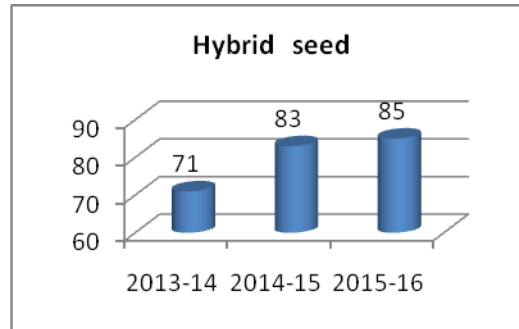


Fig. Seed demand and area of private hybrids (DD and 4794) during last 3 years



Economic benefits from adoption of technology: It has been observed that farmers are using very high seed rate in the district. Adoption of proper seed rate in hybrids can save almost 30-50 % of the seed of farmers thereby significant reduction in cost of production can be achieved with higher yields. A 20 % reduction in seed demand extrapolated to entire district with 80 % area under hybrids can approximately save seed to the tune of 960 quintals saving an amount of Rs. 1,29,60,000 (@ Rs. 13500 per quintal of landed cost) as shown under.

seed rate	40 kg/ha	30 kg/ha	25 kg/ha	Saving in comparison to 40 kg/ha	Saving in comparison to 30 kg/ha
80% area under hybrids	19200	19200	19200		
seed demand	7680	5760	4800		
cost of seed	103680000	77760000	64800000		
seed saving (quintals)				2880	960
monetary advantage (Rs.)				38880000	12960000

FACTORS CONTRIBUTING TO SUCCESS

- High yielding
- Higher monetary return due to high productivity per unit area

IMPACT OF TECHNOLOGY

- Economical: Progressive farmer Sh. Bansilal is realizing highest yield of maize crop in the district (110-120 q/ha) and earning a profit of Rs. 1.12 lakhs from his marginal land of 12 kanals (0.6 ha) in maize crop.
- S. Amrik Singh of Jhullas is also obtaining comparable yields to Sh. Bansilal with higher monetary returns
- Another farmer, Sh. Bashir Ahmed, resident of Khari is also very hard working farmer. He had also produced more than 85 quintals of maize grain (yield per hectare) which covered about 8 kanals of land in his area since *kharif* 2012.
- Looking to the success of ShriBansilal, Sh. Amrik Singh and Sh. Bashir Ahmed, eighty other farmers also come forward to adopt improved practices in maize cultivation in the year 2016 in the villages of these farmers.
- Farmers of surrounding villages like Ajote, Kunnayian, Darra, nangali, salotri have also started to grow hybrid maize in their areas with proper seed rate and balanced fertilizer scheduling.

- Other farmers in the commodity village are getting more yield (60-65 qt) as compared to the average yield of 20.0 quintals per hectare in district. In every season, the area under hybrids in maizecrop is increasing horizontally
- The farmer Sh. Bansilal and Sh. Bashir Ahmed is a source of inspiration for the maize growing farmers in the village and adjoining areas.
- Area under maize hybrids has increased significantly since introduction of maize hybrids in district by KVK.
- Maize productivity showed an increase of 30.9 to 50.7 % under front line demonstration as compared to local check.
- Farmers in adjoining villages have started using quality seed in maize (hybrid seed) and increase in demand of hybrids in maize improved production and productivity in Poonch 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 | 28 |
| 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 equipments 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 2016-17 :**

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 2016-17 :**

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/No

S. No.	Programme	Nature of linkage	Remarks

Coordination activities between KVK and ATMA during 2016-17

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

11.4 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									
Rice									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits	23/02/2015	-	0.5	-	Peach, Plum, Pecan nut, Apricot,	100	4000	-	Orchards are under developing stage

					Apple				
Vegetables									
Others (specify)									
Oats	09 January 2017		Kent	Seed	Oats				Harvest stage

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) = NIL

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

12.6. Database management

S. No	Database target	Database created by the KVK
1	1000	1380

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit

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

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Demonstrations conducted using Rainwater Harvesting Demonstration Unit

Date	Title of the Demonstration	Client (PF/R/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 2016-17 (up to March 2017)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	94.00	81.5	81.17
2	Traveling allowances	1.50	1.05	1.05
3	Contingencies	4.50	3.79	4.07
	Vocational training	16.50	12.27	13.06
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
	Technology Information Unit	6.0	6.0	6.0
TOTAL (A)		122.5	104.7	105.4
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture	17.25	13.17	17.25
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	0.10	0.10	0.09
TOTAL (B)		17.35	13.27	17.34
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2013 to March 2014				
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

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

Name of the staff	Designation	Title of the training programme	Institute where attended	Date
Dr, Ajay Gupta	I/c. Scientist & Head	21 days winter school on Resource conservation technologies	PAU Ludhiana	05.10.2016 to 25.10.2016
Dr. Muneeshwar Sharma	Plant Protection	05 days Short course on Pest Risk Analysis	NIPHM, Hyderabad	13.02.2017 to 17.02.2017
Dr, Ajay Gupta, Dr. Muneeshwar Sharma, Dr. Muzaffar Mir		Agriculture Marketing; New Paradigm	SAMETI, SKUAST-J	
Dr, Ajay Gupta, Dr. Muneeshwar Sharma, Dr. Muzaffar Mir		Integrated Farming system	Division of Extension SKUAST-J	
Dr, Ajay Gupta	I/c. Scientist & Head	Zonal workshop of KVKs of Zone-I	CSK, HPKV, Palampur	December 12-14, 2016

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 budhal and poonch block of rajouri and poonch dist.	EPHS, ICAR, GOI, New Delhi	2013	CONTINUED	42.00 lakhs (21.0 lakhs for Poonch KVK)	Dr. Arvind Ishar Co-PIs Dr. AJAY Gupta Dr. Muneeshwar Sharma Dr. Muzaffar Mir

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Achievements TSP

S. No.	Topic	No. of beneficiaries	Area
1	FLD Maize	198	50.0 ha
2	FLD Oats	50	10.0 ha
3	FLD on Backyard poultry	241	6740 birds
4	Strengthening of small dairy units	158	

COLLABORATIVE PROGRAMMES at KVK Poonch

COLLABORATIVE PROGRAMMES at KVK Poonch			
1	Training programme under ATMA (Directorate of Agriculture)	06.02.2017	92
2	Training cum Exposure programme by Department of Horticulture	10.02.2017	55
3	Training programme floriculture	01.03.2017	78
4	Training programme floriculture	02.03.2017	58
5	Training programme floriculture	14.03.2017	45
6	Skill development programme 39 RR	2 months	60

Annexures

District Profile - I

1. General census

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

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			
<i>Crossbred</i>	53432	38125 MT (Milk)	5 lts/day in 305 days
<i>Indigenous</i>	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	
<i>Indigenous</i>	172100		
Goats	164800		
Rabbits	21	--	--

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

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 occurrence 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					
Jersey 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